

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-3000	7,166391E+08	4,938436E+08	3,647598E+08	3,647663E+08	4,938563E+08	7,166405E+08	9,694461E+08	1,184523E+09	1,308222E+09	1,308215E+09	1,184495E+09	9,694011E+08
-2999	7,165981E+08	4,938291E+08	3,647594E+08	3,647650E+08	4,938463E+08	7,166246E+08	9,694297E+08	1,184507E+09	1,308205E+09	1,308207E+09	1,184512E+09	9,694402E+08
-2998	7,166488E+08	4,938754E+08	3,647891E+08	3,647887E+08	4,938711E+08	7,166425E+08	9,694302E+08	1,184491E+09	1,308184E+09	1,308194E+09	1,184518E+09	9,694450E+08
-2997	7,166347E+08	4,938645E+08	3,647947E+08	3,648019E+08	4,938845E+08	7,166603E+08	9,694549E+08	1,184511E+09	1,308178E+09	1,308148E+09	1,184445E+09	9,693963E+08
-2996	7,166296E+08	4,938825E+08	3,648171E+08	3,648114E+08	4,938708E+08	7,166236E+08	9,694109E+08	1,184481E+09	1,308177E+09	1,308179E+09	1,184493E+09	9,694467E+08
-2995	7,166784E+08	4,939192E+08	3,648449E+08	3,648448E+08	4,939099E+08	7,166545E+08	9,694230E+08	1,184477E+09	1,308161E+09	1,308163E+09	1,184475E+09	9,694082E+08
-2994	7,166308E+08	4,938931E+08	3,648412E+08	3,648487E+08	4,939147E+08	7,166609E+08	9,694264E+08	1,184469E+09	1,308142E+09	1,308128E+09	1,184442E+09	9,694025E+08
-2993	7,166512E+08	4,939229E+08	3,648633E+08	3,648553E+08	4,939058E+08	7,166373E+08	9,693930E+08	1,184437E+09	1,308131E+09	1,308153E+09	1,184495E+09	9,694593E+08
-2992	7,166829E+08	4,939248E+08	3,648611E+08	3,648667E+08	4,939334E+08	7,166760E+08	9,694317E+08	1,184461E+09	1,308128E+09	1,308127E+09	1,184444E+09	9,693936E+08
-2991	7,166329E+08	4,938983E+08	3,648435E+08	3,648454E+08	4,939063E+08	7,166537E+08	9,694253E+08	1,184470E+09	1,308138E+09	1,308127E+09	1,184451E+09	9,694182E+08
-2990	7,166677E+08	4,939288E+08	3,648560E+08	3,648470E+08	4,939055E+08	7,166462E+08	9,694105E+08	1,184461E+09	1,308150E+09	1,308157E+09	1,184484E+09	9,694385E+08
-2989	7,166548E+08	4,939000E+08	3,648373E+08	3,648418E+08	4,939123E+08	7,166671E+08	9,694420E+08	1,184492E+09	1,308169E+09	1,308148E+09	1,184439E+09	9,693832E+08
-2988	7,166198E+08	4,938775E+08	3,648160E+08	3,648139E+08	4,938765E+08	7,166292E+08	9,694121E+08	1,184481E+09	1,308183E+09	1,308194E+09	1,184507E+09	9,694430E+08
-2987	7,166594E+08	4,938939E+08	3,648136E+08	3,648127E+08	4,938873E+08	7,166493E+08	9,694336E+08	1,184495E+09	1,308186E+09	1,308196E+09	1,184513E+09	9,694340E+08
-2986	7,166186E+08	4,938486E+08	3,647803E+08	3,647884E+08	4,938729E+08	7,166527E+08	9,694546E+08	1,184521E+09	1,308199E+09	1,308175E+09	1,184470E+09	9,694098E+08
-2985	7,166231E+08	4,938596E+08	3,647810E+08	3,647711E+08	4,938396E+08	7,166090E+08	9,694121E+08	1,184496E+09	1,308205E+09	1,308216E+09	1,184529E+09	9,694664E+08
-2984	7,166642E+08	4,938728E+08	3,647830E+08	3,647823E+08	4,938629E+08	7,166376E+08	9,694363E+08	1,184509E+09	1,308208E+09	1,308210E+09	1,184499E+09	9,694072E+08
-2983	7,166061E+08	4,938403E+08	3,647666E+08	3,647695E+08	4,938494E+08	7,166265E+08	9,694320E+08	1,184511E+09	1,308204E+09	1,308194E+09	1,184490E+09	9,694185E+08
-2982	7,166313E+08	4,938724E+08	3,647915E+08	3,647849E+08	4,938574E+08	7,166185E+08	9,694034E+08	1,184475E+09	1,308186E+09	1,308203E+09	1,184523E+09	9,694599E+08
-2981	7,166485E+08	4,938676E+08	3,647944E+08	3,648030E+08	4,938878E+08	7,166597E+08	9,694452E+08	1,184498E+09	1,308178E+09	1,308165E+09	1,184460E+09	9,693953E+08
-2980	7,166137E+08	4,938573E+08	3,647933E+08	3,647970E+08	4,938692E+08	7,166333E+08	9,694231E+08	1,184485E+09	1,308169E+09	1,308167E+09	1,184484E+09	9,694336E+08
-2979	7,166633E+08	4,939082E+08	3,648301E+08	3,648252E+08	4,938923E+08	7,166469E+08	9,694268E+08	1,184482E+09	1,308159E+09	1,308157E+09	1,184483E+09	9,694306E+08
-2978	7,166428E+08	4,938924E+08	3,648345E+08	3,648420E+08	4,939127E+08	7,166680E+08	9,694443E+08	1,184492E+09	1,308158E+09	1,308128E+09	1,184421E+09	9,693788E+08
-2977	7,166335E+08	4,939114E+08	3,648584E+08	3,648518E+08	4,938999E+08	7,166302E+08	9,693902E+08	1,184442E+09	1,308136E+09	1,308150E+09	1,184477E+09	9,694416E+08
-2976	7,166874E+08	4,939456E+08	3,648829E+08	3,648842E+08	4,939421E+08	7,166697E+08	9,694105E+08	1,184437E+09	1,308118E+09	1,308134E+09	1,184458E+09	9,694046E+08
-2975	7,166406E+08	4,939156E+08	3,648726E+08	3,648811E+08	4,939402E+08	7,166737E+08	9,694225E+08	1,184447E+09	1,308106E+09	1,308095E+09	1,184422E+09	9,694004E+08
-2974	7,166630E+08	4,939451E+08	3,648917E+08	3,648863E+08	4,939335E+08	7,166514E+08	9,693884E+08	1,184414E+09	1,308091E+09	1,308106E+09	1,184457E+09	9,694478E+08
-2973	7,166955E+08	4,939521E+08	3,648940E+08	3,648973E+08	4,939559E+08	7,166872E+08	9,694309E+08	1,184449E+09	1,308104E+09	1,308091E+09	1,184409E+09	9,693796E+08
-2972	7,166412E+08	4,939228E+08	3,648752E+08	3,648740E+08	4,939234E+08	7,166545E+08	9,694132E+08	1,184451E+09	1,308118E+09	1,308110E+09	1,184435E+09	9,694076E+08
-2971	7,166688E+08	4,939478E+08	3,648872E+08	3,648781E+08	4,939257E+08	7,166517E+08	9,694055E+08	1,184448E+09	1,308130E+09	1,308137E+09	1,184469E+09	9,694305E+08
-2970	7,166548E+08	4,939117E+08	3,648603E+08	3,648688E+08	4,939359E+08	7,166802E+08	9,694388E+08	1,184474E+09	1,308147E+09	1,308133E+09	1,184429E+09	9,693784E+08
-2969	7,166239E+08	4,938928E+08	3,648373E+08	3,648341E+08	4,938914E+08	7,166344E+08	9,694025E+08	1,184453E+09	1,308145E+09	1,308162E+09	1,184490E+09	9,694452E+08
-2968	7,166746E+08	4,939152E+08	3,648374E+08	3,648337E+08	4,939012E+08	7,166530E+08	9,694233E+08	1,184471E+09	1,308157E+09	1,308169E+09	1,184491E+09	9,694282E+08
-2967	7,166328E+08	4,938735E+08	3,648079E+08	3,648111E+08	4,938841E+08	7,166497E+08	9,694413E+08	1,184503E+09	1,308178E+09	1,308152E+09	1,184448E+09	9,694003E+08
-2966	7,166314E+08	4,938833E+08	3,648129E+08	3,648044E+08	4,938645E+08	7,166128E+08	9,693934E+08	1,184463E+09	1,308168E+09	1,308181E+09	1,184498E+09	9,694522E+08
-2965	7,166713E+08	4,938987E+08	3,648200E+08	3,648206E+08	4,938942E+08	7,166519E+08	9,694273E+08	1,184481E+09	1,308171E+09	1,308173E+09	1,184473E+09	9,693973E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2964	7,166123E+08	4,938627E+08	3,648005E+08	3,648046E+08	4,938776E+08	7,166406E+08	9,694257E+08	1,184482E+09	1,308165E+09	1,308160E+09	1,184472E+09	9,694137E+08
-2963	7,166377E+08	4,938939E+08	3,648258E+08	3,648203E+08	4,938843E+08	7,166357E+08	9,694120E+08	1,184466E+09	1,308153E+09	1,308161E+09	1,184491E+09	9,694488E+08
-2962	7,166567E+08	4,938893E+08	3,648255E+08	3,648360E+08	4,939151E+08	7,166760E+08	9,694487E+08	1,184489E+09	1,308157E+09	1,308136E+09	1,184430E+09	9,693780E+08
-2961	7,166214E+08	4,938866E+08	3,648304E+08	3,648297E+08	4,938897E+08	7,166369E+08	9,694103E+08	1,184461E+09	1,308140E+09	1,308137E+09	1,184459E+09	9,694240E+08
-2960	7,166755E+08	4,939389E+08	3,648711E+08	3,648643E+08	4,939179E+08	7,166500E+08	9,694060E+08	1,184448E+09	1,308131E+09	1,308139E+09	1,184465E+09	9,694210E+08
-2959	7,166520E+08	4,939193E+08	3,648730E+08	3,648809E+08	4,939400E+08	7,166725E+08	9,694242E+08	1,184457E+09	1,308123E+09	1,308104E+09	1,184411E+09	9,693779E+08
-2958	7,166433E+08	4,939353E+08	3,648942E+08	3,648924E+08	4,939352E+08	7,166452E+08	9,693747E+08	1,184398E+09	1,308079E+09	1,308101E+09	1,184450E+09	9,694400E+08
-2957	7,167034E+08	4,939736E+08	3,649192E+08	3,649208E+08	4,939719E+08	7,166871E+08	9,694087E+08	1,184409E+09	1,308068E+09	1,308078E+09	1,184422E+09	9,693986E+08
-2956	7,166569E+08	4,939448E+08	3,649066E+08	3,649119E+08	4,939614E+08	7,166820E+08	9,694179E+08	1,184427E+09	1,308070E+09	1,308054E+09	1,184392E+09	9,693900E+08
-2955	7,166741E+08	4,939737E+08	3,649284E+08	3,649188E+08	4,939529E+08	7,166592E+08	9,693912E+08	1,184410E+09	1,308072E+09	1,308073E+09	1,184421E+09	9,694264E+08
-2954	7,166976E+08	4,939721E+08	3,649250E+08	3,649298E+08	4,939805E+08	7,166970E+08	9,694267E+08	1,184438E+09	1,308094E+09	1,308078E+09	1,184389E+09	9,693593E+08
-2953	7,166393E+08	4,939417E+08	3,649039E+08	3,649026E+08	4,939448E+08	7,166612E+08	9,694013E+08	1,184426E+09	1,308093E+09	1,308093E+09	1,184427E+09	9,694049E+08
-2952	7,166736E+08	4,939628E+08	3,649117E+08	3,649040E+08	4,939462E+08	7,166609E+08	9,693965E+08	1,184423E+09	1,308104E+09	1,308121E+09	1,184460E+09	9,694296E+08
-2951	7,166628E+08	4,939254E+08	3,648799E+08	3,648886E+08	4,939493E+08	7,166842E+08	9,694338E+08	1,184460E+09	1,308124E+09	1,308112E+09	1,184420E+09	9,693802E+08
-2950	7,166361E+08	4,939105E+08	3,648592E+08	3,648574E+08	4,939095E+08	7,166391E+08	9,693919E+08	1,184429E+09	1,308110E+09	1,308124E+09	1,184462E+09	9,694377E+08
-2949	7,166888E+08	4,939420E+08	3,648684E+08	3,648606E+08	4,939176E+08	7,166559E+08	9,694130E+08	1,184450E+09	1,308127E+09	1,308133E+09	1,184462E+09	9,694164E+08
-2948	7,166418E+08	4,938990E+08	3,648416E+08	3,648424E+08	4,939032E+08	7,166494E+08	9,694226E+08	1,184473E+09	1,308147E+09	1,308128E+09	1,184432E+09	9,693903E+08
-2947	7,166353E+08	4,939051E+08	3,648479E+08	3,648405E+08	4,938911E+08	7,166244E+08	9,693887E+08	1,184441E+09	1,308134E+09	1,308146E+09	1,184472E+09	9,694378E+08
-2946	7,166725E+08	4,939147E+08	3,648492E+08	3,648552E+08	4,939259E+08	7,166726E+08	9,694288E+08	1,184461E+09	1,308137E+09	1,308141E+09	1,184449E+09	9,693850E+08
-2945	7,166178E+08	4,938838E+08	3,648300E+08	3,648344E+08	4,939011E+08	7,166534E+08	9,694233E+08	1,184460E+09	1,308124E+09	1,308119E+09	1,184447E+09	9,694088E+08
-2944	7,166512E+08	4,939188E+08	3,648580E+08	3,648511E+08	4,939060E+08	7,166443E+08	9,694055E+08	1,184447E+09	1,308127E+09	1,308132E+09	1,184464E+09	9,694370E+08
-2943	7,166687E+08	4,939175E+08	3,648613E+08	3,648684E+08	4,939342E+08	7,166776E+08	9,694375E+08	1,184472E+09	1,308137E+09	1,308116E+09	1,184413E+09	9,693697E+08
-2942	7,166319E+08	4,939146E+08	3,648698E+08	3,648713E+08	4,939206E+08	7,166429E+08	9,693894E+08	1,184423E+09	1,308099E+09	1,308102E+09	1,184434E+09	9,694147E+08
-2941	7,166889E+08	4,939709E+08	3,649141E+08	3,649076E+08	4,939513E+08	7,166636E+08	9,693928E+08	1,184412E+09	1,308085E+09	1,308098E+09	1,184443E+09	9,694179E+08
-2940	7,166655E+08	4,939484E+08	3,649126E+08	3,649206E+08	4,939698E+08	7,166846E+08	9,694136E+08	1,184423E+09	1,308076E+09	1,308063E+09	1,184391E+09	9,693767E+08
-2939	7,166568E+08	4,939623E+08	3,649315E+08	3,649296E+08	4,939629E+08	7,166621E+08	9,693814E+08	1,184384E+09	1,308039E+09	1,308050E+09	1,184411E+09	9,694255E+08
-2938	7,167140E+08	4,939991E+08	3,649527E+08	3,649546E+08	4,939988E+08	7,167028E+08	9,694126E+08	1,184401E+09	1,308045E+09	1,308044E+09	1,184387E+09	9,693766E+08
-2937	7,166628E+08	4,939729E+08	3,649417E+08	3,649424E+08	4,939795E+08	7,166849E+08	9,694078E+08	1,184407E+09	1,308045E+09	1,308026E+09	1,184366E+09	9,693749E+08
-2936	7,166781E+08	4,939957E+08	3,649619E+08	3,649522E+08	4,939752E+08	7,166619E+08	9,693741E+08	1,184386E+09	1,308055E+09	1,308063E+09	1,184408E+09	9,694134E+08
-2935	7,166991E+08	4,939894E+08	3,649528E+08	3,649590E+08	4,940015E+08	7,167013E+08	9,694120E+08	1,184413E+09	1,308071E+09	1,308067E+09	1,184389E+09	9,693607E+08
-2934	7,166449E+08	4,939551E+08	3,649269E+08	3,649308E+08	4,939690E+08	7,166698E+08	9,693874E+08	1,184391E+09	1,308049E+09	1,308057E+09	1,184411E+09	9,694074E+08
-2933	7,166892E+08	4,939842E+08	3,649366E+08	3,649282E+08	4,939639E+08	7,166687E+08	9,693915E+08	1,184401E+09	1,308064E+09	1,308078E+09	1,184438E+09	9,694301E+08
-2932	7,166794E+08	4,939503E+08	3,649067E+08	3,649110E+08	4,939609E+08	7,166824E+08	9,694216E+08	1,184439E+09	1,308093E+09	1,308078E+09	1,184398E+09	9,693745E+08
-2931	7,166477E+08	4,939361E+08	3,648916E+08	3,648860E+08	4,939260E+08	7,166440E+08	9,693898E+08	1,184416E+09	1,308083E+09	1,308088E+09	1,184428E+09	9,694176E+08
-2930	7,166912E+08	4,939622E+08	3,648994E+08	3,648943E+08	4,939446E+08	7,166678E+08	9,694075E+08	1,184432E+09	1,308105E+09	1,308111E+09	1,184439E+09	9,693948E+08
-2929	7,166401E+08	4,939191E+08	3,648719E+08	3,648743E+08	4,939297E+08	7,166628E+08	9,694155E+08	1,184447E+09	1,308111E+09	1,308098E+09	1,184416E+09	9,693831E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2928	7,166386E+08	4,939208E+08	3,648756E+08	3,648721E+08	4,939186E+08	7,166410E+08	9,693866E+08	1,184423E+09	1,308109E+09	1,308122E+09	1,184453E+09	9,694289E+08
-2927	7,166787E+08	4,939315E+08	3,648738E+08	3,648816E+08	4,939467E+08	7,166836E+08	9,694304E+08	1,184452E+09	1,308117E+09	1,308115E+09	1,184432E+09	9,693816E+08
-2926	7,166296E+08	4,939055E+08	3,648589E+08	3,648651E+08	4,939239E+08	7,166601E+08	9,694149E+08	1,184440E+09	1,308094E+09	1,308083E+09	1,184417E+09	9,693999E+08
-2925	7,166672E+08	4,939509E+08	3,648965E+08	3,648858E+08	4,939265E+08	7,166469E+08	9,693935E+08	1,184425E+09	1,308096E+09	1,308099E+09	1,184441E+09	9,694281E+08
-2924	7,166802E+08	4,939490E+08	3,649030E+08	3,649079E+08	4,939581E+08	7,166766E+08	9,694140E+08	1,184436E+09	1,308101E+09	1,308090E+09	1,184401E+09	9,693669E+08
-2923	7,166432E+08	4,939447E+08	3,649127E+08	3,649144E+08	4,939524E+08	7,166567E+08	9,693810E+08	1,184390E+09	1,308051E+09	1,308059E+09	1,184406E+09	9,694059E+08
-2922	7,166984E+08	4,939961E+08	3,649511E+08	3,649483E+08	4,939858E+08	7,166826E+08	9,693880E+08	1,184381E+09	1,308038E+09	1,308054E+09	1,184413E+09	9,694048E+08
-2921	7,166771E+08	4,939782E+08	3,649490E+08	3,649559E+08	4,939961E+08	7,166964E+08	9,694068E+08	1,184394E+09	1,308028E+09	1,308012E+09	1,184357E+09	9,693679E+08
-2920	7,166714E+08	4,939919E+08	3,649683E+08	3,649646E+08	4,939870E+08	7,166695E+08	9,693719E+08	1,184365E+09	1,308015E+09	1,308016E+09	1,184375E+09	9,694048E+08
-2919	7,167195E+08	4,940250E+08	3,649877E+08	3,649878E+08	4,940195E+08	7,167060E+08	9,694031E+08	1,184388E+09	1,308029E+09	1,308025E+09	1,184368E+09	9,693639E+08
-2918	7,166663E+08	4,939936E+08	3,649752E+08	3,649802E+08	4,940084E+08	7,166923E+08	9,693924E+08	1,184379E+09	1,308014E+09	1,308000E+09	1,184348E+09	9,693663E+08
-2917	7,166846E+08	4,940175E+08	3,649934E+08	3,649852E+08	4,940013E+08	7,166744E+08	9,693673E+08	1,184360E+09	1,308020E+09	1,308034E+09	1,184398E+09	9,694135E+08
-2916	7,167063E+08	4,940081E+08	3,649796E+08	3,649864E+08	4,940216E+08	7,167088E+08	9,694040E+08	1,184388E+09	1,308036E+09	1,308040E+09	1,184381E+09	9,693668E+08
-2915	7,166581E+08	4,939754E+08	3,649522E+08	3,649552E+08	4,939869E+08	7,166810E+08	9,693914E+08	1,184379E+09	1,308018E+09	1,308017E+09	1,184380E+09	9,693975E+08
-2914	7,166995E+08	4,940053E+08	3,649616E+08	3,649527E+08	4,939820E+08	7,166763E+08	9,693886E+08	1,184390E+09	1,308045E+09	1,308050E+09	1,184408E+09	9,694114E+08
-2913	7,166856E+08	4,939755E+08	3,649362E+08	3,649371E+08	4,939756E+08	7,166813E+08	9,694071E+08	1,184416E+09	1,308066E+09	1,308051E+09	1,184376E+09	9,693628E+08
-2912	7,166514E+08	4,939556E+08	3,649216E+08	3,649178E+08	4,939489E+08	7,166480E+08	9,693730E+08	1,184393E+09	1,308065E+09	1,308070E+09	1,184409E+09	9,694026E+08
-2911	7,166899E+08	4,939772E+08	3,649251E+08	3,649231E+08	4,939683E+08	7,166785E+08	9,694006E+08	1,184411E+09	1,308079E+09	1,308091E+09	1,184431E+09	9,693929E+08
-2910	7,166446E+08	4,939329E+08	3,648962E+08	3,649044E+08	4,939561E+08	7,166764E+08	9,694103E+08	1,184419E+09	1,308069E+09	1,308058E+09	1,184392E+09	9,693801E+08
-2909	7,166529E+08	4,939445E+08	3,649034E+08	3,648994E+08	4,939390E+08	7,166519E+08	9,693867E+08	1,184407E+09	1,308074E+09	1,308080E+09	1,184429E+09	9,694248E+08
-2908	7,166929E+08	4,939605E+08	3,649071E+08	3,649106E+08	4,939626E+08	7,166830E+08	9,694179E+08	1,184433E+09	1,308091E+09	1,308086E+09	1,184412E+09	9,693770E+08
-2907	7,166434E+08	4,939367E+08	3,648984E+08	3,649013E+08	4,939462E+08	7,166652E+08	9,694064E+08	1,184420E+09	1,308066E+09	1,308048E+09	1,184386E+09	9,693834E+08
-2906	7,166753E+08	4,939803E+08	3,649374E+08	3,649286E+08	4,939591E+08	7,166574E+08	9,693796E+08	1,184396E+09	1,308065E+09	1,308072E+09	1,184419E+09	9,694129E+08
-2905	7,166873E+08	4,939794E+08	3,649434E+08	3,649486E+08	4,939887E+08	7,166875E+08	9,693984E+08	1,184397E+09	1,308051E+09	1,308048E+09	1,184380E+09	9,693634E+08
-2904	7,166534E+08	4,939705E+08	3,649508E+08	3,649554E+08	4,939854E+08	7,166720E+08	9,693723E+08	1,184362E+09	1,308013E+09	1,308018E+09	1,184376E+09	9,693948E+08
-2903	7,167081E+08	4,940214E+08	3,649849E+08	3,649832E+08	4,940132E+08	7,166964E+08	9,693866E+08	1,184365E+09	1,308007E+09	1,308016E+09	1,184385E+09	9,693954E+08
-2902	7,166877E+08	4,940041E+08	3,649842E+08	3,649925E+08	4,940232E+08	7,167057E+08	9,693977E+08	1,184371E+09	1,307993E+09	1,307971E+09	1,184321E+09	9,693525E+08
-2901	7,166825E+08	4,940224E+08	3,650069E+08	3,650014E+08	4,940114E+08	7,166762E+08	9,693628E+08	1,184345E+09	1,307987E+09	1,307987E+09	1,184354E+09	9,693925E+08
-2900	7,167232E+08	4,940502E+08	3,650241E+08	3,650241E+08	4,940436E+08	7,167080E+08	9,693843E+08	1,184359E+09	1,308001E+09	1,308005E+09	1,184360E+09	9,693637E+08
-2899	7,166736E+08	4,940152E+08	3,650076E+08	3,650136E+08	4,940350E+08	7,167068E+08	9,693889E+08	1,184353E+09	1,307978E+09	1,307966E+09	1,184328E+09	9,693619E+08
-2898	7,166925E+08	4,940360E+08	3,650198E+08	3,650144E+08	4,940261E+08	7,166886E+08	9,693656E+08	1,184340E+09	1,307986E+09	1,308001E+09	1,184375E+09	9,694063E+08
-2897	7,167178E+08	4,940321E+08	3,650051E+08	3,650091E+08	4,940362E+08	7,167124E+08	9,693959E+08	1,184366E+09	1,308000E+09	1,308000E+09	1,184356E+09	9,693634E+08
-2896	7,166712E+08	4,939999E+08	3,649805E+08	3,649808E+08	4,940028E+08	7,166820E+08	9,693786E+08	1,184364E+09	1,308002E+09	1,307991E+09	1,184350E+09	9,693809E+08
-2895	7,167040E+08	4,940263E+08	3,649891E+08	3,649791E+08	4,939992E+08	7,166781E+08	9,693770E+08	1,184374E+09	1,308029E+09	1,308033E+09	1,184391E+09	9,694003E+08
-2894	7,166871E+08	4,939920E+08	3,649641E+08	3,649698E+08	4,940021E+08	7,166895E+08	9,693931E+08	1,184387E+09	1,308034E+09	1,308023E+09	1,184356E+09	9,693545E+08
-2893	7,166566E+08	4,939750E+08	3,649492E+08	3,649478E+08	4,939745E+08	7,166631E+08	9,693718E+08	1,184373E+09	1,308031E+09	1,308040E+09	1,184396E+09	9,693985E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2892	7,166921E+08	4,939937E+08	3,649507E+08	3,649501E+08	4,939889E+08	7,166881E+08	9,693983E+08	1,184395E+09	1,308051E+09	1,308062E+09	1,184417E+09	9,693952E+08
-2891	7,166573E+08	4,939549E+08	3,649232E+08	3,649303E+08	4,939765E+08	7,166907E+08	9,694170E+08	1,184411E+09	1,308045E+09	1,308021E+09	1,184360E+09	9,693682E+08
-2890	7,166626E+08	4,939696E+08	3,649340E+08	3,649285E+08	4,939591E+08	7,166586E+08	9,693812E+08	1,184393E+09	1,308055E+09	1,308055E+09	1,184400E+09	9,694068E+08
-2889	7,167001E+08	4,939906E+08	3,649440E+08	3,649441E+08	4,939819E+08	7,166808E+08	9,693965E+08	1,184402E+09	1,308059E+09	1,308058E+09	1,184393E+09	9,693707E+08
-2888	7,166523E+08	4,939645E+08	3,649384E+08	3,649429E+08	4,939762E+08	7,166687E+08	9,693802E+08	1,184383E+09	1,308035E+09	1,308022E+09	1,184365E+09	9,693732E+08
-2887	7,166809E+08	4,940042E+08	3,649730E+08	3,649672E+08	4,939906E+08	7,166698E+08	9,693653E+08	1,184360E+09	1,308021E+09	1,308036E+09	1,184402E+09	9,694130E+08
-2886	7,166983E+08	4,940028E+08	3,649789E+08	3,649890E+08	4,940218E+08	7,167023E+08	9,693884E+08	1,184359E+09	1,307994E+09	1,307992E+09	1,184345E+09	9,693584E+08
-2885	7,166719E+08	4,940030E+08	3,649886E+08	3,649917E+08	4,940124E+08	7,166858E+08	9,693711E+08	1,184341E+09	1,307968E+09	1,307965E+09	1,184341E+09	9,693823E+08
-2884	7,167181E+08	4,940532E+08	3,650249E+08	3,650195E+08	4,940361E+08	7,167013E+08	9,693773E+08	1,184345E+09	1,307979E+09	1,307981E+09	1,184355E+09	9,693843E+08
-2883	7,166983E+08	4,940350E+08	3,650250E+08	3,650312E+08	4,940515E+08	7,167188E+08	9,693944E+08	1,184352E+09	1,307966E+09	1,307938E+09	1,184288E+09	9,693327E+08
-2882	7,166859E+08	4,940473E+08	3,650435E+08	3,650408E+08	4,940439E+08	7,166915E+08	9,693563E+08	1,184324E+09	1,307962E+09	1,307965E+09	1,184335E+09	9,693788E+08
-2881	7,167266E+08	4,940735E+08	3,650566E+08	3,650574E+08	4,940692E+08	7,167186E+08	9,693747E+08	1,184330E+09	1,307964E+09	1,307974E+09	1,184347E+09	9,693672E+08
-2880	7,166845E+08	4,940355E+08	3,650364E+08	3,650442E+08	4,940585E+08	7,167148E+08	9,693800E+08	1,184336E+09	1,307955E+09	1,307938E+09	1,184305E+09	9,693569E+08
-2879	7,167029E+08	4,940562E+08	3,650441E+08	3,650378E+08	4,940428E+08	7,166941E+08	9,693604E+08	1,184326E+09	1,307966E+09	1,307976E+09	1,184356E+09	9,694023E+08
-2878	7,167280E+08	4,940538E+08	3,650331E+08	3,650358E+08	4,940522E+08	7,167122E+08	9,693812E+08	1,184341E+09	1,307970E+09	1,307968E+09	1,184328E+09	9,693516E+08
-2877	7,166807E+08	4,940259E+08	3,650123E+08	3,650101E+08	4,940215E+08	7,166846E+08	9,693665E+08	1,184341E+09	1,307973E+09	1,307966E+09	1,184333E+09	9,693695E+08
-2876	7,167041E+08	4,940458E+08	3,650192E+08	3,650098E+08	4,940215E+08	7,166825E+08	9,693610E+08	1,184345E+09	1,308001E+09	1,308013E+09	1,184381E+09	9,693994E+08
-2875	7,166926E+08	4,940091E+08	3,649903E+08	3,649979E+08	4,940283E+08	7,167087E+08	9,693938E+08	1,184363E+09	1,307998E+09	1,307987E+09	1,184331E+09	9,693466E+08
-2874	7,166626E+08	4,939920E+08	3,649733E+08	3,649748E+08	4,939990E+08	7,166795E+08	9,693752E+08	1,184359E+09	1,308003E+09	1,308008E+09	1,184370E+09	9,693887E+08
-2873	7,167011E+08	4,940167E+08	3,649769E+08	3,649737E+08	4,940039E+08	7,166913E+08	9,693908E+08	1,184377E+09	1,308021E+09	1,308026E+09	1,184390E+09	9,693902E+08
-2872	7,166689E+08	4,939805E+08	3,649556E+08	3,649602E+08	4,939944E+08	7,166897E+08	9,694012E+08	1,184396E+09	1,308032E+09	1,307998E+09	1,184332E+09	9,693531E+08
-2871	7,166680E+08	4,939942E+08	3,649680E+08	3,649619E+08	4,939819E+08	7,166617E+08	9,693653E+08	1,184369E+09	1,308032E+09	1,308036E+09	1,184386E+09	9,694002E+08
-2870	7,167056E+08	4,940136E+08	3,649804E+08	3,649837E+08	4,940121E+08	7,166890E+08	9,693768E+08	1,184361E+09	1,308013E+09	1,308022E+09	1,184372E+09	9,693663E+08
-2869	7,166643E+08	4,939927E+08	3,649763E+08	3,649821E+08	4,940085E+08	7,166862E+08	9,693743E+08	1,184350E+09	1,307984E+09	1,307978E+09	1,184343E+09	9,693694E+08
-2868	7,166907E+08	4,940303E+08	3,650091E+08	3,650043E+08	4,940194E+08	7,166831E+08	9,693599E+08	1,184334E+09	1,307979E+09	1,307991E+09	1,184372E+09	9,694104E+08
-2867	7,167152E+08	4,940331E+08	3,650155E+08	3,650241E+08	4,940510E+08	7,167222E+08	9,693929E+08	1,184343E+09	1,307958E+09	1,307942E+09	1,184300E+09	9,693386E+08
-2866	7,166817E+08	4,940344E+08	3,650285E+08	3,650299E+08	4,940401E+08	7,166979E+08	9,693690E+08	1,184328E+09	1,307946E+09	1,307935E+09	1,184305E+09	9,693585E+08
-2865	7,167211E+08	4,940824E+08	3,650652E+08	3,650580E+08	4,940608E+08	7,167044E+08	9,693614E+08	1,184319E+09	1,307950E+09	1,307955E+09	1,184335E+09	9,693749E+08
-2864	7,167040E+08	4,940603E+08	3,650636E+08	3,650718E+08	4,940816E+08	7,167254E+08	9,693758E+08	1,184325E+09	1,307945E+09	1,307920E+09	1,184273E+09	9,693253E+08
-2863	7,166906E+08	4,940672E+08	3,650738E+08	3,650731E+08	4,940704E+08	7,167034E+08	9,693470E+08	1,184296E+09	1,307929E+09	1,307941E+09	1,184325E+09	9,693826E+08
-2862	7,167378E+08	4,940933E+08	3,650854E+08	3,650878E+08	4,940914E+08	7,167259E+08	9,693632E+08	1,184298E+09	1,307919E+09	1,307932E+09	1,184322E+09	9,693682E+08
-2861	7,167050E+08	4,940650E+08	3,650676E+08	3,650715E+08	4,940761E+08	7,167195E+08	9,693719E+08	1,184313E+09	1,307917E+09	1,307900E+09	1,184280E+09	9,693489E+08
-2860	7,167126E+08	4,940824E+08	3,650766E+08	3,650662E+08	4,940586E+08	7,166926E+08	9,693448E+08	1,184304E+09	1,307940E+09	1,307948E+09	1,184333E+09	9,693946E+08
-2859	7,167378E+08	4,940784E+08	3,650655E+08	3,650669E+08	4,940768E+08	7,167246E+08	9,693749E+08	1,184319E+09	1,307941E+09	1,307938E+09	1,184299E+09	9,693334E+08
-2858	7,166817E+08	4,940449E+08	3,650418E+08	3,650423E+08	4,940498E+08	7,167012E+08	9,693643E+08	1,184322E+09	1,307947E+09	1,307942E+09	1,184311E+09	9,693537E+08
-2857	7,167016E+08	4,940605E+08	3,650441E+08	3,650367E+08	4,940442E+08	7,166958E+08	9,693593E+08	1,184325E+09	1,307968E+09	1,307982E+09	1,184363E+09	9,693974E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2856	7,166996E+08	4,940249E+08	3,650142E+08	3,650239E+08	4,940495E+08	7,167184E+08	9,693920E+08	1,184356E+09	1,307984E+09	1,307963E+09	1,184307E+09	9,693374E+08
-2855	7,166692E+08	4,940087E+08	3,649946E+08	3,649952E+08	4,940141E+08	7,166860E+08	9,693729E+08	1,184351E+09	1,307989E+09	1,307989E+09	1,184352E+09	9,693830E+08
-2854	7,167090E+08	4,940370E+08	3,650060E+08	3,650009E+08	4,940188E+08	7,166891E+08	9,693740E+08	1,184352E+09	1,307994E+09	1,308000E+09	1,184367E+09	9,693834E+08
-2853	7,166817E+08	4,940086E+08	3,649913E+08	3,649936E+08	4,940152E+08	7,166900E+08	9,693820E+08	1,184363E+09	1,307994E+09	1,307973E+09	1,184319E+09	9,693464E+08
-2852	7,166737E+08	4,940191E+08	3,650049E+08	3,649992E+08	4,940086E+08	7,166670E+08	9,693442E+08	1,184329E+09	1,307988E+09	1,308004E+09	1,184371E+09	9,694027E+08
-2851	7,167199E+08	4,940403E+08	3,650164E+08	3,650203E+08	4,940446E+08	7,167106E+08	9,693729E+08	1,184325E+09	1,307959E+09	1,307970E+09	1,184336E+09	9,693563E+08
-2850	7,166776E+08	4,940216E+08	3,650135E+08	3,650201E+08	4,940403E+08	7,167058E+08	9,693764E+08	1,184329E+09	1,307941E+09	1,307929E+09	1,184302E+09	9,693521E+08
-2849	7,167023E+08	4,940618E+08	3,650476E+08	3,650400E+08	4,940440E+08	7,166924E+08	9,693541E+08	1,184314E+09	1,307943E+09	1,307945E+09	1,184333E+09	9,693955E+08
-2848	7,167269E+08	4,940652E+08	3,650581E+08	3,650649E+08	4,940782E+08	7,167268E+08	9,693806E+08	1,184329E+09	1,307943E+09	1,307916E+09	1,184266E+09	9,693174E+08
-2847	7,166851E+08	4,940607E+08	3,650674E+08	3,650695E+08	4,940696E+08	7,167074E+08	9,693582E+08	1,184307E+09	1,307926E+09	1,307919E+09	1,184292E+09	9,693505E+08
-2846	7,167241E+08	4,941038E+08	3,651028E+08	3,650984E+08	4,940910E+08	7,167145E+08	9,693461E+08	1,184284E+09	1,307911E+09	1,307926E+09	1,184319E+09	9,693739E+08
-2845	7,167166E+08	4,940862E+08	3,650993E+08	3,651080E+08	4,941096E+08	7,167389E+08	9,693700E+08	1,184296E+09	1,307900E+09	1,307888E+09	1,184262E+09	9,693272E+08
-2844	7,167030E+08	4,940914E+08	3,651058E+08	3,651046E+08	4,940930E+08	7,167114E+08	9,693386E+08	1,184271E+09	1,307893E+09	1,307906E+09	1,184306E+09	9,693855E+08
-2843	7,167572E+08	4,941212E+08	3,651161E+08	3,651147E+08	4,941125E+08	7,167382E+08	9,693591E+08	1,184276E+09	1,307883E+09	1,307889E+09	1,184284E+09	9,693513E+08
-2842	7,167153E+08	4,940931E+08	3,651023E+08	3,651034E+08	4,940977E+08	7,167264E+08	9,693644E+08	1,184295E+09	1,307892E+09	1,307871E+09	1,184248E+09	9,693278E+08
-2841	7,167151E+08	4,941049E+08	3,651087E+08	3,650980E+08	4,940799E+08	7,166949E+08	9,693287E+08	1,184276E+09	1,307908E+09	1,307920E+09	1,184311E+09	9,693833E+08
-2840	7,167400E+08	4,940953E+08	3,650942E+08	3,650990E+08	4,941026E+08	7,167328E+08	9,693636E+08	1,184299E+09	1,307920E+09	1,307916E+09	1,184281E+09	9,693233E+08
-2839	7,166819E+08	4,940563E+08	3,650628E+08	3,650663E+08	4,940719E+08	7,167164E+08	9,693661E+08	1,184307E+09	1,307922E+09	1,307921E+09	1,184301E+09	9,693533E+08
-2838	7,167066E+08	4,940720E+08	3,650649E+08	3,650585E+08	4,940594E+08	7,167023E+08	9,693556E+08	1,184307E+09	1,307935E+09	1,307948E+09	1,184340E+09	9,693938E+08
-2837	7,167148E+08	4,940491E+08	3,650406E+08	3,650458E+08	4,940622E+08	7,167207E+08	9,693862E+08	1,184340E+09	1,307956E+09	1,307938E+09	1,184290E+09	9,693293E+08
-2836	7,166782E+08	4,940330E+08	3,650258E+08	3,650226E+08	4,940285E+08	7,166825E+08	9,693550E+08	1,184327E+09	1,307966E+09	1,307968E+09	1,184335E+09	9,693785E+08
-2835	7,167221E+08	4,940633E+08	3,650397E+08	3,650334E+08	4,940442E+08	7,166992E+08	9,693602E+08	1,184320E+09	1,307957E+09	1,307967E+09	1,184341E+09	9,693699E+08
-2834	7,166897E+08	4,940348E+08	3,650286E+08	3,650326E+08	4,940474E+08	7,167060E+08	9,693746E+08	1,184334E+09	1,307955E+09	1,307939E+09	1,184294E+09	9,693348E+08
-2833	7,166804E+08	4,940426E+08	3,650401E+08	3,650361E+08	4,940379E+08	7,166815E+08	9,693392E+08	1,184300E+09	1,307941E+09	1,307958E+09	1,184342E+09	9,693970E+08
-2832	7,167332E+08	4,940665E+08	3,650523E+08	3,650578E+08	4,940739E+08	7,167236E+08	9,693713E+08	1,184313E+09	1,307933E+09	1,307930E+09	1,184300E+09	9,693399E+08
-2831	7,166862E+08	4,940479E+08	3,650482E+08	3,650535E+08	4,940656E+08	7,167190E+08	9,693766E+08	1,184318E+09	1,307920E+09	1,307901E+09	1,184274E+09	9,693365E+08
-2830	7,167061E+08	4,940865E+08	3,650871E+08	3,650783E+08	4,940680E+08	7,166966E+08	9,693406E+08	1,184289E+09	1,307913E+09	1,307917E+09	1,184307E+09	9,693816E+08
-2829	7,167367E+08	4,940955E+08	3,651001E+08	3,651064E+08	4,941071E+08	7,167335E+08	9,693642E+08	1,184296E+09	1,307907E+09	1,307894E+09	1,184258E+09	9,693113E+08
-2828	7,166907E+08	4,940850E+08	3,651053E+08	3,651090E+08	4,940988E+08	7,167154E+08	9,693398E+08	1,184270E+09	1,307885E+09	1,307891E+09	1,184282E+09	9,693576E+08
-2827	7,167418E+08	4,941300E+08	3,651369E+08	3,651331E+08	4,941210E+08	7,167331E+08	9,693402E+08	1,184249E+09	1,307859E+09	1,307878E+09	1,184291E+09	9,693700E+08
-2826	7,167355E+08	4,941165E+08	3,651351E+08	3,651421E+08	4,941347E+08	7,167506E+08	9,693658E+08	1,184272E+09	1,307857E+09	1,307840E+09	1,184226E+09	9,693150E+08
-2825	7,167173E+08	4,941211E+08	3,651409E+08	3,651358E+08	4,941120E+08	7,167141E+08	9,693271E+08	1,184246E+09	1,307854E+09	1,307862E+09	1,184271E+09	9,693724E+08
-2824	7,167684E+08	4,941498E+08	3,651532E+08	3,651500E+08	4,941349E+08	7,167396E+08	9,693459E+08	1,184260E+09	1,307865E+09	1,307862E+09	1,184253E+09	9,693296E+08
-2823	7,167153E+08	4,941124E+08	3,651324E+08	3,651351E+08	4,941233E+08	7,167379E+08	9,693580E+08	1,184277E+09	1,307872E+09	1,307854E+09	1,184234E+09	9,693157E+08
-2822	7,167115E+08	4,941168E+08	3,651354E+08	3,651279E+08	4,941038E+08	7,167069E+08	9,693227E+08	1,184253E+09	1,307876E+09	1,307893E+09	1,184295E+09	9,693775E+08
-2821	7,167470E+08	4,941121E+08	3,651185E+08	3,651245E+08	4,941234E+08	7,167452E+08	9,693648E+08	1,184282E+09	1,307888E+09	1,307891E+09	1,184271E+09	9,693217E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2820	7,166895E+08	4,940722E+08	3,650845E+08	3,650877E+08	4,940863E+08	7,167210E+08	9,693627E+08	1,184296E+09	1,307901E+09	1,307897E+09	1,184286E+09	9,693548E+08
-2819	7,167227E+08	4,940944E+08	3,650889E+08	3,650790E+08	4,940739E+08	7,167095E+08	9,693506E+08	1,184290E+09	1,307911E+09	1,307918E+09	1,184312E+09	9,693791E+08
-2818	7,167250E+08	4,940759E+08	3,650740E+08	3,650758E+08	4,940796E+08	7,167215E+08	9,693737E+08	1,184320E+09	1,307933E+09	1,307915E+09	1,184267E+09	9,693145E+08
-2817	7,166839E+08	4,940567E+08	3,650601E+08	3,650571E+08	4,940516E+08	7,166838E+08	9,693334E+08	1,184291E+09	1,307927E+09	1,307938E+09	1,184318E+09	9,693730E+08
-2816	7,167310E+08	4,940868E+08	3,650748E+08	3,650713E+08	4,940737E+08	7,167077E+08	9,693454E+08	1,184291E+09	1,307922E+09	1,307934E+09	1,184319E+09	9,693607E+08
-2815	7,166965E+08	4,940553E+08	3,650593E+08	3,650664E+08	4,940770E+08	7,167247E+08	9,693744E+08	1,184310E+09	1,307915E+09	1,307901E+09	1,184272E+09	9,693297E+08
-2814	7,166892E+08	4,940646E+08	3,650733E+08	3,650697E+08	4,940621E+08	7,166924E+08	9,693353E+08	1,184279E+09	1,307900E+09	1,307910E+09	1,184306E+09	9,693837E+08
-2813	7,167476E+08	4,940979E+08	3,650907E+08	3,650931E+08	4,940975E+08	7,167320E+08	9,693663E+08	1,184293E+09	1,307899E+09	1,307897E+09	1,184274E+09	9,693252E+08
-2812	7,166938E+08	4,940769E+08	3,650889E+08	3,650928E+08	4,940909E+08	7,167234E+08	9,693636E+08	1,184296E+09	1,307896E+09	1,307877E+09	1,184255E+09	9,693296E+08
-2811	7,167178E+08	4,941142E+08	3,651251E+08	3,651174E+08	4,941004E+08	7,167124E+08	9,693293E+08	1,184256E+09	1,307874E+09	1,307883E+09	1,184283E+09	9,693680E+08
-2810	7,167450E+08	4,941241E+08	3,651410E+08	3,651486E+08	4,941408E+08	7,167504E+08	9,693579E+08	1,184267E+09	1,307866E+09	1,307859E+09	1,184236E+09	9,693060E+08
-2809	7,167030E+08	4,941113E+08	3,651418E+08	3,651467E+08	4,941270E+08	7,167266E+08	9,693309E+08	1,184239E+09	1,307839E+09	1,307845E+09	1,184256E+09	9,693565E+08
-2808	7,167601E+08	4,941590E+08	3,651723E+08	3,651683E+08	4,941456E+08	7,167388E+08	9,693323E+08	1,184235E+09	1,307831E+09	1,307838E+09	1,184256E+09	9,693557E+08
-2807	7,167465E+08	4,941440E+08	3,651687E+08	3,651735E+08	4,941565E+08	7,167586E+08	9,693604E+08	1,184257E+09	1,307834E+09	1,307811E+09	1,184200E+09	9,693004E+08
-2806	7,167204E+08	4,941440E+08	3,651763E+08	3,651694E+08	4,941316E+08	7,167147E+08	9,693114E+08	1,184221E+09	1,307823E+09	1,307831E+09	1,184244E+09	9,693559E+08
-2805	7,167731E+08	4,941734E+08	3,651869E+08	3,651841E+08	4,941598E+08	7,167468E+08	9,693329E+08	1,184230E+09	1,307830E+09	1,307841E+09	1,184244E+09	9,693214E+08
-2804	7,167160E+08	4,941287E+08	3,651598E+08	3,651649E+08	4,941471E+08	7,167480E+08	9,693493E+08	1,184251E+09	1,307841E+09	1,307830E+09	1,184225E+09	9,693191E+08
-2803	7,167226E+08	4,941328E+08	3,651564E+08	3,651513E+08	4,941266E+08	7,167245E+08	9,693236E+08	1,184232E+09	1,307840E+09	1,307855E+09	1,184269E+09	9,693694E+08
-2802	7,167587E+08	4,941347E+08	3,651450E+08	3,651494E+08	4,941410E+08	7,167534E+08	9,693643E+08	1,184271E+09	1,307863E+09	1,307858E+09	1,184244E+09	9,693128E+08
-2801	7,167008E+08	4,940955E+08	3,651125E+08	3,651126E+08	4,940995E+08	7,167185E+08	9,693494E+08	1,184277E+09	1,307877E+09	1,307867E+09	1,184262E+09	9,693463E+08
-2800	7,167336E+08	4,941198E+08	3,651217E+08	3,651107E+08	4,940923E+08	7,167059E+08	9,693340E+08	1,184274E+09	1,307895E+09	1,307898E+09	1,184291E+09	9,693641E+08
-2799	7,167275E+08	4,940961E+08	3,651041E+08	3,651080E+08	4,941053E+08	7,167317E+08	9,693637E+08	1,184295E+09	1,307906E+09	1,307895E+09	1,184257E+09	9,693073E+08
-2798	7,166834E+08	4,940732E+08	3,650911E+08	3,650908E+08	4,940783E+08	7,166968E+08	9,693260E+08	1,184261E+09	1,307884E+09	1,307900E+09	1,184297E+09	9,693680E+08
-2797	7,167419E+08	4,941099E+08	3,651061E+08	3,651046E+08	4,941013E+08	7,167240E+08	9,693452E+08	1,184267E+09	1,307880E+09	1,307897E+09	1,184299E+09	9,693552E+08
-2796	7,167068E+08	4,940786E+08	3,650897E+08	3,650972E+08	4,941002E+08	7,167351E+08	9,693717E+08	1,184295E+09	1,307887E+09	1,307865E+09	1,184245E+09	9,693234E+08
-2795	7,167047E+08	4,940927E+08	3,651063E+08	3,651014E+08	4,940868E+08	7,167050E+08	9,693308E+08	1,184260E+09	1,307870E+09	1,307872E+09	1,184269E+09	9,693624E+08
-2794	7,167554E+08	4,941298E+08	3,651332E+08	3,651339E+08	4,941240E+08	7,167373E+08	9,693540E+08	1,184271E+09	1,307871E+09	1,307866E+09	1,184247E+09	9,693105E+08
-2793	7,167001E+08	4,941036E+08	3,651292E+08	3,651346E+08	4,941200E+08	7,167280E+08	9,693424E+08	1,184259E+09	1,307855E+09	1,307844E+09	1,184237E+09	9,693264E+08
-2792	7,167302E+08	4,941425E+08	3,651647E+08	3,651592E+08	4,941311E+08	7,167210E+08	9,693165E+08	1,184228E+09	1,307836E+09	1,307847E+09	1,184261E+09	9,693625E+08
-2791	7,167564E+08	4,941504E+08	3,651755E+08	3,651841E+08	4,941689E+08	7,167649E+08	9,693540E+08	1,184241E+09	1,307824E+09	1,307818E+09	1,184214E+09	9,693025E+08
-2790	7,167156E+08	4,941396E+08	3,651788E+08	3,651809E+08	4,941492E+08	7,167325E+08	9,693202E+08	1,184212E+09	1,307795E+09	1,307795E+09	1,184220E+09	9,693454E+08
-2789	7,167768E+08	4,941932E+08	3,652122E+08	3,652044E+08	4,941684E+08	7,167426E+08	9,693185E+08	1,184206E+09	1,307795E+09	1,307804E+09	1,184229E+09	9,693407E+08
-2788	7,167529E+08	4,941713E+08	3,652066E+08	3,652109E+08	4,941817E+08	7,167627E+08	9,693449E+08	1,184231E+09	1,307806E+09	1,307786E+09	1,184180E+09	9,692917E+08
-2787	7,167281E+08	4,941667E+08	3,652079E+08	3,652041E+08	4,941632E+08	7,167324E+08	9,693040E+08	1,184193E+09	1,307788E+09	1,307799E+09	1,184220E+09	9,693399E+08
-2786	7,167744E+08	4,941944E+08	3,652191E+08	3,652184E+08	4,941885E+08	7,167645E+08	9,693349E+08	1,184214E+09	1,307800E+09	1,307808E+09	1,184224E+09	9,693164E+08
-2785	7,167227E+08	4,941453E+08	3,651848E+08	3,651922E+08	4,941685E+08	7,167586E+08	9,693481E+08	1,184237E+09	1,307813E+09	1,307799E+09	1,184206E+09	9,693179E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2784	7,167357E+08	4,941536E+08	3,651807E+08	3,651750E+08	4,941422E+08	7,167277E+08	9,693220E+08	1,184230E+09	1,307828E+09	1,307831E+09	1,184245E+09	9,693567E+08
-2783	7,167642E+08	4,941551E+08	3,651697E+08	3,651721E+08	4,941553E+08	7,167566E+08	9,693585E+08	1,184261E+09	1,307851E+09	1,307843E+09	1,184231E+09	9,693040E+08
-2782	7,167024E+08	4,941148E+08	3,651420E+08	3,651406E+08	4,941151E+08	7,167150E+08	9,693294E+08	1,184250E+09	1,307849E+09	1,307843E+09	1,184245E+09	9,693383E+08
-2781	7,167400E+08	4,941414E+08	3,651520E+08	3,651426E+08	4,941161E+08	7,167106E+08	9,693146E+08	1,184236E+09	1,307856E+09	1,307875E+09	1,184283E+09	9,693623E+08
-2780	7,167332E+08	4,941149E+08	3,651324E+08	3,651389E+08	4,941303E+08	7,167424E+08	9,693537E+08	1,184265E+09	1,307866E+09	1,307861E+09	1,184242E+09	9,693124E+08
-2779	7,166993E+08	4,940949E+08	3,651167E+08	3,651188E+08	4,941046E+08	7,167147E+08	9,693252E+08	1,184236E+09	1,307838E+09	1,307848E+09	1,184259E+09	9,693530E+08
-2778	7,167527E+08	4,941393E+08	3,651411E+08	3,651371E+08	4,941246E+08	7,167352E+08	9,693455E+08	1,184253E+09	1,307848E+09	1,307850E+09	1,184259E+09	9,693397E+08
-2777	7,167176E+08	4,941076E+08	3,651272E+08	3,651326E+08	4,941228E+08	7,167386E+08	9,693596E+08	1,184275E+09	1,307860E+09	1,307830E+09	1,184213E+09	9,693086E+08
-2776	7,167141E+08	4,941221E+08	3,651459E+08	3,651415E+08	4,941134E+08	7,167081E+08	9,693180E+08	1,184243E+09	1,307850E+09	1,307848E+09	1,184245E+09	9,693449E+08
-2775	7,167565E+08	4,941541E+08	3,651702E+08	3,651738E+08	4,941565E+08	7,167520E+08	9,693456E+08	1,184245E+09	1,307841E+09	1,307843E+09	1,184236E+09	9,693064E+08
-2774	7,167036E+08	4,941268E+08	3,651671E+08	3,651737E+08	4,941489E+08	7,167388E+08	9,693311E+08	1,184226E+09	1,307810E+09	1,307803E+09	1,184215E+09	9,693253E+08
-2773	7,167464E+08	4,941721E+08	3,652021E+08	3,651971E+08	4,941598E+08	7,167324E+08	9,693072E+08	1,184195E+09	1,307791E+09	1,307809E+09	1,184240E+09	9,693592E+08
-2772	7,167717E+08	4,941811E+08	3,652123E+08	3,652189E+08	4,941928E+08	7,167719E+08	9,693440E+08	1,184218E+09	1,307791E+09	1,307780E+09	1,184185E+09	9,692970E+08
-2771	7,167327E+08	4,941718E+08	3,652158E+08	3,652164E+08	4,941762E+08	7,167431E+08	9,693095E+08	1,184185E+09	1,307758E+09	1,307754E+09	1,184181E+09	9,693226E+08
-2770	7,167821E+08	4,942244E+08	3,652550E+08	3,652464E+08	4,941981E+08	7,167514E+08	9,693066E+08	1,184180E+09	1,307763E+09	1,307769E+09	1,184200E+09	9,693268E+08
-2769	7,167566E+08	4,941932E+08	3,652417E+08	3,652493E+08	4,942121E+08	7,167731E+08	9,693304E+08	1,184199E+09	1,307770E+09	1,307754E+09	1,184162E+09	9,692873E+08
-2768	7,167359E+08	4,941869E+08	3,652374E+08	3,652369E+08	4,941896E+08	7,167452E+08	9,693034E+08	1,184179E+09	1,307760E+09	1,307769E+09	1,184200E+09	9,693326E+08
-2767	7,167785E+08	4,942110E+08	3,652424E+08	3,652433E+08	4,942096E+08	7,167787E+08	9,693395E+08	1,184204E+09	1,307776E+09	1,307781E+09	1,184207E+09	9,693127E+08
-2766	7,167290E+08	4,941649E+08	3,652104E+08	3,652141E+08	4,941805E+08	7,167592E+08	9,693404E+08	1,184222E+09	1,307790E+09	1,307768E+09	1,184181E+09	9,693113E+08
-2765	7,167480E+08	4,941793E+08	3,652100E+08	3,652006E+08	4,941566E+08	7,167258E+08	9,693059E+08	1,184205E+09	1,307806E+09	1,307816E+09	1,184231E+09	9,693490E+08
-2764	7,167700E+08	4,941764E+08	3,651981E+08	3,651994E+08	4,941726E+08	7,167554E+08	9,693389E+08	1,184233E+09	1,307827E+09	1,307825E+09	1,184219E+09	9,693025E+08
-2763	7,167117E+08	4,941351E+08	3,651683E+08	3,651700E+08	4,941425E+08	7,167287E+08	9,693176E+08	1,184216E+09	1,307809E+09	1,307808E+09	1,184221E+09	9,693278E+08
-2762	7,167456E+08	4,941642E+08	3,651841E+08	3,651761E+08	4,941437E+08	7,167260E+08	9,693125E+08	1,184213E+09	1,307816E+09	1,307830E+09	1,184254E+09	9,693580E+08
-2761	7,167433E+08	4,941350E+08	3,651607E+08	3,651693E+08	4,941545E+08	7,167535E+08	9,693497E+08	1,184245E+09	1,307830E+09	1,307818E+09	1,184211E+09	9,693054E+08
-2760	7,167131E+08	4,941217E+08	3,651483E+08	3,651493E+08	4,941252E+08	7,167221E+08	9,693259E+08	1,184233E+09	1,307821E+09	1,307817E+09	1,184224E+09	9,693319E+08
-2759	7,167537E+08	4,941636E+08	3,651749E+08	3,651695E+08	4,941467E+08	7,167428E+08	9,693410E+08	1,184242E+09	1,307833E+09	1,307830E+09	1,184237E+09	9,693235E+08
-2758	7,167167E+08	4,941317E+08	3,651652E+08	3,651697E+08	4,941468E+08	7,167403E+08	9,693402E+08	1,184245E+09	1,307830E+09	1,307805E+09	1,184195E+09	9,693003E+08
-2757	7,167219E+08	4,941489E+08	3,651840E+08	3,651815E+08	4,941443E+08	7,167172E+08	9,692973E+08	1,184200E+09	1,307809E+09	1,307824E+09	1,184236E+09	9,693456E+08
-2756	7,167667E+08	4,941791E+08	3,652057E+08	3,652109E+08	4,941855E+08	7,167634E+08	9,693329E+08	1,184209E+09	1,307795E+09	1,307805E+09	1,184219E+09	9,693145E+08
-2755	7,167258E+08	4,941572E+08	3,652020E+08	3,652100E+08	4,941799E+08	7,167541E+08	9,693228E+08	1,184193E+09	1,307758E+09	1,307748E+09	1,184176E+09	9,693142E+08
-2754	7,167638E+08	4,942096E+08	3,652462E+08	3,652375E+08	4,941877E+08	7,167424E+08	9,692996E+08	1,184171E+09	1,307749E+09	1,307755E+09	1,184197E+09	9,693463E+08
-2753	7,167852E+08	4,942140E+08	3,652555E+08	3,652604E+08	4,942206E+08	7,167773E+08	9,693286E+08	1,184190E+09	1,307755E+09	1,307741E+09	1,184151E+09	9,692818E+08
-2752	7,167424E+08	4,942026E+08	3,652571E+08	3,652583E+08	4,942064E+08	7,167532E+08	9,693031E+08	1,184168E+09	1,307732E+09	1,307725E+09	1,184152E+09	9,693006E+08
-2751	7,167775E+08	4,942441E+08	3,652886E+08	3,652835E+08	4,942311E+08	7,167723E+08	9,693085E+08	1,184164E+09	1,307737E+09	1,307746E+09	1,184184E+09	9,693181E+08
-2750	7,167561E+08	4,942102E+08	3,652712E+08	3,652802E+08	4,942368E+08	7,167866E+08	9,693291E+08	1,184181E+09	1,307740E+09	1,307724E+09	1,184143E+09	9,692855E+08
-2749	7,167469E+08	4,942066E+08	3,652622E+08	3,652623E+08	4,942095E+08	7,167541E+08	9,692988E+08	1,184160E+09	1,307737E+09	1,307748E+09	1,184185E+09	9,693305E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2748	7,167892E+08	4,942318E+08	3,652668E+08	3,652643E+08	4,942218E+08	7,167793E+08	9,693309E+08	1,184191E+09	1,307760E+09	1,307762E+09	1,184191E+09	9,693136E+08
-2747	7,167441E+08	4,941888E+08	3,652368E+08	3,652382E+08	4,941958E+08	7,167580E+08	9,693225E+08	1,184195E+09	1,307762E+09	1,307742E+09	1,184156E+09	9,692965E+08
-2746	7,167530E+08	4,942043E+08	3,652441E+08	3,652330E+08	4,941775E+08	7,167266E+08	9,692865E+08	1,184174E+09	1,307772E+09	1,307785E+09	1,184211E+09	9,693438E+08
-2745	7,167759E+08	4,941955E+08	3,652281E+08	3,652313E+08	4,941973E+08	7,167617E+08	9,693200E+08	1,184195E+09	1,307785E+09	1,307792E+09	1,184201E+09	9,693008E+08
-2744	7,167227E+08	4,941562E+08	3,651964E+08	3,651995E+08	4,941662E+08	7,167418E+08	9,693180E+08	1,184199E+09	1,307773E+09	1,307769E+09	1,184191E+09	9,693150E+08
-2743	7,167491E+08	4,941825E+08	3,652101E+08	3,652035E+08	4,941677E+08	7,167430E+08	9,693189E+08	1,184203E+09	1,307789E+09	1,307794E+09	1,184224E+09	9,693449E+08
-2742	7,167481E+08	4,941582E+08	3,651917E+08	3,651971E+08	4,941725E+08	7,167582E+08	9,693432E+08	1,184230E+09	1,307805E+09	1,307783E+09	1,184178E+09	9,692913E+08
-2741	7,167214E+08	4,941484E+08	3,651834E+08	3,651828E+08	4,941479E+08	7,167260E+08	9,693110E+08	1,184207E+09	1,307800E+09	1,307801E+09	1,184207E+09	9,693200E+08
-2740	7,167568E+08	4,941861E+08	3,652096E+08	3,652048E+08	4,941723E+08	7,167491E+08	9,693258E+08	1,184214E+09	1,307806E+09	1,307812E+09	1,184226E+09	9,693234E+08
-2739	7,167275E+08	4,941558E+08	3,651989E+08	3,652071E+08	4,941797E+08	7,167558E+08	9,693283E+08	1,184208E+09	1,307785E+09	1,307769E+09	1,184172E+09	9,692942E+08
-2738	7,167331E+08	4,941786E+08	3,652247E+08	3,652227E+08	4,941768E+08	7,167334E+08	9,692922E+08	1,184170E+09	1,307761E+09	1,307774E+09	1,184207E+09	9,693469E+08
-2737	7,167850E+08	4,942084E+08	3,652435E+08	3,652487E+08	4,942138E+08	7,167736E+08	9,693226E+08	1,184181E+09	1,307752E+09	1,307757E+09	1,184184E+09	9,693082E+08
-2736	7,167466E+08	4,941936E+08	3,652436E+08	3,652482E+08	4,942051E+08	7,167633E+08	9,693201E+08	1,184179E+09	1,307727E+09	1,307707E+09	1,184135E+09	9,692915E+08
-2735	7,167684E+08	4,942395E+08	3,652878E+08	3,652780E+08	4,942168E+08	7,167535E+08	9,692937E+08	1,184153E+09	1,307723E+09	1,307725E+09	1,184167E+09	9,693257E+08
-2734	7,167847E+08	4,942395E+08	3,652959E+08	3,653007E+08	4,942492E+08	7,167842E+08	9,693125E+08	1,184159E+09	1,307720E+09	1,307710E+09	1,184128E+09	9,692715E+08
-2733	7,167483E+08	4,942266E+08	3,652928E+08	3,652961E+08	4,942376E+08	7,167672E+08	9,692908E+08	1,184133E+09	1,307698E+09	1,307704E+09	1,184142E+09	9,692985E+08
-2732	7,167833E+08	4,942622E+08	3,653166E+08	3,653123E+08	4,942536E+08	7,167836E+08	9,693042E+08	1,184142E+09	1,307705E+09	1,307717E+09	1,184169E+09	9,693222E+08
-2731	7,167735E+08	4,942333E+08	3,652970E+08	3,653059E+08	4,942574E+08	7,167949E+08	9,693221E+08	1,184159E+09	1,307704E+09	1,307686E+09	1,184114E+09	9,692763E+08
-2730	7,167613E+08	4,942370E+08	3,652968E+08	3,652916E+08	4,942263E+08	7,167551E+08	9,692873E+08	1,184141E+09	1,307709E+09	1,307711E+09	1,184156E+09	9,693238E+08
-2729	7,168008E+08	4,942564E+08	3,652993E+08	3,652945E+08	4,942390E+08	7,167753E+08	9,693084E+08	1,184161E+09	1,307732E+09	1,307736E+09	1,184170E+09	9,693055E+08
-2728	7,167548E+08	4,942138E+08	3,652698E+08	3,652707E+08	4,942181E+08	7,167638E+08	9,693124E+08	1,184173E+09	1,307732E+09	1,307717E+09	1,184135E+09	9,692807E+08
-2727	7,167505E+08	4,942201E+08	3,652722E+08	3,652643E+08	4,942056E+08	7,167447E+08	9,692865E+08	1,184153E+09	1,307740E+09	1,307756E+09	1,184192E+09	9,693344E+08
-2726	7,167763E+08	4,942109E+08	3,652542E+08	3,652587E+08	4,942202E+08	7,167752E+08	9,693193E+08	1,184176E+09	1,307750E+09	1,307755E+09	1,184176E+09	9,692948E+08
-2725	7,167331E+08	4,941763E+08	3,652219E+08	3,652256E+08	4,941883E+08	7,167548E+08	9,693164E+08	1,184182E+09	1,307750E+09	1,307746E+09	1,184169E+09	9,693041E+08
-2724	7,167542E+08	4,942016E+08	3,652365E+08	3,652276E+08	4,941840E+08	7,167493E+08	9,693162E+08	1,184194E+09	1,307774E+09	1,307775E+09	1,184202E+09	9,693360E+08
-2723	7,167579E+08	4,941814E+08	3,652222E+08	3,652279E+08	4,941947E+08	7,167622E+08	9,693293E+08	1,184206E+09	1,307778E+09	1,307759E+09	1,184155E+09	9,692768E+08
-2722	7,167267E+08	4,941748E+08	3,652219E+08	3,652213E+08	4,941753E+08	7,167320E+08	9,692943E+08	1,184176E+09	1,307764E+09	1,307769E+09	1,184190E+09	9,693197E+08
-2721	7,167672E+08	4,942089E+08	3,652448E+08	3,652421E+08	4,942007E+08	7,167577E+08	9,693079E+08	1,184175E+09	1,307760E+09	1,307776E+09	1,184209E+09	9,693273E+08
-2720	7,167477E+08	4,941858E+08	3,652362E+08	3,652436E+08	4,942062E+08	7,167691E+08	9,693267E+08	1,184184E+09	1,307739E+09	1,307723E+09	1,184141E+09	9,692833E+08
-2719	7,167446E+08	4,942080E+08	3,652627E+08	3,652598E+08	4,942056E+08	7,167493E+08	9,692928E+08	1,184152E+09	1,307723E+09	1,307728E+09	1,184170E+09	9,693319E+08
-2718	7,167964E+08	4,942422E+08	3,652861E+08	3,652865E+08	4,942381E+08	7,167791E+08	9,693102E+08	1,184155E+09	1,307716E+09	1,307715E+09	1,184146E+09	9,692910E+08
-2717	7,167579E+08	4,942265E+08	3,652871E+08	3,652905E+08	4,942353E+08	7,167712E+08	9,693026E+08	1,184146E+09	1,307698E+09	1,307683E+09	1,184110E+09	9,692738E+08
-2716	7,167703E+08	4,942634E+08	3,653259E+08	3,653178E+08	4,942478E+08	7,167661E+08	9,692839E+08	1,184127E+09	1,307694E+09	1,307701E+09	1,184150E+09	9,693191E+08
-2715	7,167931E+08	4,942623E+08	3,653298E+08	3,653385E+08	4,942820E+08	7,168004E+08	9,693050E+08	1,184128E+09	1,307678E+09	1,307673E+09	1,184106E+09	9,692637E+08
-2714	7,167569E+08	4,942514E+08	3,653284E+08	3,653321E+08	4,942650E+08	7,167809E+08	9,692891E+08	1,184113E+09	1,307660E+09	1,307662E+09	1,184118E+09	9,692998E+08
-2713	7,167980E+08	4,942850E+08	3,653468E+08	3,653416E+08	4,942736E+08	7,167889E+08	9,692950E+08	1,184121E+09	1,307676E+09	1,307685E+09	1,184145E+09	9,693183E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2712	7,167919E+08	4,942632E+08	3,653302E+08	3,653338E+08	4,942719E+08	7,167969E+08	9,693170E+08	1,184145E+09	1,307682E+09	1,307660E+09	1,184087E+09	9,692577E+08
-2711	7,167637E+08	4,942594E+08	3,653295E+08	3,653235E+08	4,942479E+08	7,167602E+08	9,692764E+08	1,184120E+09	1,307684E+09	1,307690E+09	1,184137E+09	9,693087E+08
-2710	7,168012E+08	4,942759E+08	3,653301E+08	3,653255E+08	4,942610E+08	7,167781E+08	9,692880E+08	1,184126E+09	1,307694E+09	1,307708E+09	1,184153E+09	9,692994E+08
-2709	7,167609E+08	4,942319E+08	3,652972E+08	3,653010E+08	4,942446E+08	7,167767E+08	9,693003E+08	1,184138E+09	1,307695E+09	1,307691E+09	1,184121E+09	9,692773E+08
-2708	7,167557E+08	4,942338E+08	3,652942E+08	3,652881E+08	4,942260E+08	7,167586E+08	9,692889E+08	1,184137E+09	1,307708E+09	1,307723E+09	1,184171E+09	9,693315E+08
-2707	7,167900E+08	4,942306E+08	3,652774E+08	3,652827E+08	4,942397E+08	7,167848E+08	9,693180E+08	1,184160E+09	1,307718E+09	1,307715E+09	1,184142E+09	9,692804E+08
-2706	7,167430E+08	4,942035E+08	3,652557E+08	3,652555E+08	4,942068E+08	7,167598E+08	9,693117E+08	1,184170E+09	1,307727E+09	1,307712E+09	1,184141E+09	9,692950E+08
-2705	7,167620E+08	4,942234E+08	3,652690E+08	3,652596E+08	4,942044E+08	7,167502E+08	9,692993E+08	1,184170E+09	1,307751E+09	1,307754E+09	1,184184E+09	9,693266E+08
-2704	7,167686E+08	4,942078E+08	3,652577E+08	3,652626E+08	4,942191E+08	7,167722E+08	9,693237E+08	1,184184E+09	1,307748E+09	1,307734E+09	1,184138E+09	9,692646E+08
-2703	7,167293E+08	4,941961E+08	3,652566E+08	3,652589E+08	4,942066E+08	7,167499E+08	9,692926E+08	1,184153E+09	1,307727E+09	1,307736E+09	1,184170E+09	9,693137E+08
-2702	7,167769E+08	4,942335E+08	3,652794E+08	3,652767E+08	4,942261E+08	7,167669E+08	9,692987E+08	1,184147E+09	1,307717E+09	1,307732E+09	1,184181E+09	9,693234E+08
-2701	7,167668E+08	4,942177E+08	3,652744E+08	3,652805E+08	4,942336E+08	7,167793E+08	9,693150E+08	1,184156E+09	1,307705E+09	1,307689E+09	1,184112E+09	9,692714E+08
-2700	7,167563E+08	4,942383E+08	3,653019E+08	3,652954E+08	4,942285E+08	7,167555E+08	9,692834E+08	1,184130E+09	1,307693E+09	1,307695E+09	1,184140E+09	9,693168E+08
-2699	7,168067E+08	4,942721E+08	3,653273E+08	3,653287E+08	4,942683E+08	7,167850E+08	9,692921E+08	1,184121E+09	1,307676E+09	1,307677E+09	1,184116E+09	9,692726E+08
-2698	7,167635E+08	4,942571E+08	3,653324E+08	3,653367E+08	4,942703E+08	7,167838E+08	9,692886E+08	1,184112E+09	1,307654E+09	1,307642E+09	1,184088E+09	9,692699E+08
-2697	7,167780E+08	4,942847E+08	3,653615E+08	3,653568E+08	4,942790E+08	7,167796E+08	9,692725E+08	1,184093E+09	1,307650E+09	1,307665E+09	1,184130E+09	9,693177E+08
-2696	7,168100E+08	4,942902E+08	3,653646E+08	3,653724E+08	4,943068E+08	7,168154E+08	9,693094E+08	1,184112E+09	1,307640E+09	1,307633E+09	1,184078E+09	9,692534E+08
-2695	7,167669E+08	4,942771E+08	3,653618E+08	3,653643E+08	4,942883E+08	7,167921E+08	9,692889E+08	1,184101E+09	1,307633E+09	1,307627E+09	1,184089E+09	9,692866E+08
-2694	7,168076E+08	4,943127E+08	3,653811E+08	3,653717E+08	4,942900E+08	7,167871E+08	9,692790E+08	1,184098E+09	1,307648E+09	1,307655E+09	1,184119E+09	9,693069E+08
-2693	7,168025E+08	4,942900E+08	3,653648E+08	3,653677E+08	4,942953E+08	7,167996E+08	9,692957E+08	1,184113E+09	1,307657E+09	1,307644E+09	1,184072E+09	9,692462E+08
-2692	7,167653E+08	4,942768E+08	3,653574E+08	3,653531E+08	4,942719E+08	7,167711E+08	9,692684E+08	1,184095E+09	1,307654E+09	1,307667E+09	1,184124E+09	9,693043E+08
-2691	7,168076E+08	4,942917E+08	3,653547E+08	3,653548E+08	4,942871E+08	7,167922E+08	9,692836E+08	1,184099E+09	1,307653E+09	1,307670E+09	1,184131E+09	9,692925E+08
-2690	7,167690E+08	4,942519E+08	3,653247E+08	3,653297E+08	4,942679E+08	7,167910E+08	9,693037E+08	1,184126E+09	1,307663E+09	1,307649E+09	1,184095E+09	9,692747E+08
-2689	7,167663E+08	4,942514E+08	3,653179E+08	3,653117E+08	4,942428E+08	7,167651E+08	9,692863E+08	1,184128E+09	1,307689E+09	1,307695E+09	1,184146E+09	9,693207E+08
-2688	7,168024E+08	4,942569E+08	3,653080E+08	3,653084E+08	4,942531E+08	7,167890E+08	9,693189E+08	1,184154E+09	1,307702E+09	1,307694E+09	1,184118E+09	9,692601E+08
-2687	7,167418E+08	4,942234E+08	3,652879E+08	3,652885E+08	4,942293E+08	7,167653E+08	9,693028E+08	1,184154E+09	1,307708E+09	1,307696E+09	1,184127E+09	9,692817E+08
-2686	7,167640E+08	4,942442E+08	3,653007E+08	3,652923E+08	4,942272E+08	7,167532E+08	9,692792E+08	1,184135E+09	1,307715E+09	1,307729E+09	1,184173E+09	9,693257E+08
-2685	7,167803E+08	4,942314E+08	3,652899E+08	3,652966E+08	4,942461E+08	7,167819E+08	9,693059E+08	1,184145E+09	1,307708E+09	1,307705E+09	1,184123E+09	9,692637E+08
-2684	7,167417E+08	4,942194E+08	3,652877E+08	3,652904E+08	4,942307E+08	7,167615E+08	9,692878E+08	1,184128E+09	1,307686E+09	1,307693E+09	1,184144E+09	9,693110E+08
-2683	7,167965E+08	4,942645E+08	3,653159E+08	3,653129E+08	4,942515E+08	7,167728E+08	9,692858E+08	1,184116E+09	1,307670E+09	1,307680E+09	1,184141E+09	9,693076E+08
-2682	7,167805E+08	4,942542E+08	3,653208E+08	3,653240E+08	4,942623E+08	7,167865E+08	9,693025E+08	1,184129E+09	1,307664E+09	1,307641E+09	1,184077E+09	9,692582E+08
-2681	7,167649E+08	4,942668E+08	3,653446E+08	3,653396E+08	4,942604E+08	7,167642E+08	9,692676E+08	1,184099E+09	1,307657E+09	1,307662E+09	1,184114E+09	9,693012E+08
-2680	7,168150E+08	4,943024E+08	3,653695E+08	3,653712E+08	4,943010E+08	7,168039E+08	9,692928E+08	1,184097E+09	1,307637E+09	1,307641E+09	1,184090E+09	9,692566E+08
-2679	7,167643E+08	4,942792E+08	3,653699E+08	3,653783E+08	4,943057E+08	7,168067E+08	9,692939E+08	1,184095E+09	1,307620E+09	1,307607E+09	1,184064E+09	9,692608E+08
-2678	7,167871E+08	4,943084E+08	3,653937E+08	3,653901E+08	4,943039E+08	7,167901E+08	9,692674E+08	1,184073E+09	1,307616E+09	1,307627E+09	1,184104E+09	9,693124E+08
-2677	7,168266E+08	4,943195E+08	3,653983E+08	3,654043E+08	4,943291E+08	7,168215E+08	9,692969E+08	1,184090E+09	1,307618E+09	1,307609E+09	1,184057E+09	9,692446E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2676	7,167769E+08	4,943032E+08	3,653948E+08	3,653941E+08	4,943058E+08	7,167933E+08	9,692773E+08	1,184082E+09	1,307611E+09	1,307604E+09	1,184071E+09	9,692786E+08
-2675	7,168171E+08	4,943367E+08	3,654144E+08	3,654064E+08	4,943127E+08	7,167857E+08	9,692553E+08	1,184062E+09	1,307610E+09	1,307624E+09	1,184099E+09	9,692970E+08
-2674	7,168090E+08	4,943148E+08	3,654001E+08	3,654040E+08	4,943228E+08	7,168087E+08	9,692809E+08	1,184079E+09	1,307612E+09	1,307605E+09	1,184056E+09	9,692475E+08
-2673	7,167733E+08	4,942939E+08	3,653838E+08	3,653821E+08	4,942955E+08	7,167825E+08	9,692613E+08	1,184068E+09	1,307615E+09	1,307630E+09	1,184102E+09	9,692997E+08
-2672	7,168207E+08	4,943153E+08	3,653816E+08	3,653795E+08	4,943055E+08	7,168068E+08	9,692935E+08	1,184091E+09	1,307622E+09	1,307630E+09	1,184099E+09	9,692773E+08
-2671	7,167743E+08	4,942734E+08	3,653529E+08	3,653572E+08	4,942881E+08	7,168020E+08	9,693080E+08	1,184124E+09	1,307648E+09	1,307620E+09	1,184065E+09	9,692567E+08
-2670	7,167705E+08	4,942729E+08	3,653458E+08	3,653381E+08	4,942579E+08	7,167636E+08	9,692726E+08	1,184110E+09	1,307672E+09	1,307675E+09	1,184125E+09	9,693079E+08
-2669	7,168076E+08	4,942795E+08	3,653394E+08	3,653409E+08	4,942764E+08	7,167918E+08	9,692981E+08	1,184127E+09	1,307684E+09	1,307684E+09	1,184111E+09	9,692534E+08
-2668	7,167440E+08	4,942409E+08	3,653159E+08	3,653185E+08	4,942527E+08	7,167745E+08	9,692928E+08	1,184127E+09	1,307678E+09	1,307673E+09	1,184118E+09	9,692822E+08
-2667	7,167733E+08	4,942638E+08	3,653299E+08	3,653255E+08	4,942529E+08	7,167615E+08	9,692668E+08	1,184100E+09	1,307667E+09	1,307686E+09	1,184151E+09	9,693238E+08
-2666	7,167958E+08	4,942606E+08	3,653259E+08	3,653326E+08	4,942733E+08	7,167937E+08	9,693000E+08	1,184120E+09	1,307662E+09	1,307653E+09	1,184094E+09	9,692624E+08
-2665	7,167579E+08	4,942482E+08	3,653232E+08	3,653246E+08	4,942545E+08	7,167690E+08	9,692782E+08	1,184105E+09	1,307651E+09	1,307651E+09	1,184108E+09	9,692957E+08
-2664	7,168108E+08	4,942999E+08	3,653586E+08	3,653514E+08	4,942765E+08	7,167834E+08	9,692835E+08	1,184097E+09	1,307637E+09	1,307640E+09	1,184104E+09	9,692833E+08
-2663	7,167809E+08	4,942815E+08	3,653639E+08	3,653702E+08	4,942979E+08	7,168005E+08	9,692945E+08	1,184106E+09	1,307633E+09	1,307608E+09	1,184049E+09	9,692394E+08
-2662	7,167670E+08	4,942910E+08	3,653819E+08	3,653805E+08	4,942926E+08	7,167764E+08	9,692541E+08	1,184065E+09	1,307616E+09	1,307627E+09	1,184093E+09	9,692949E+08
-2661	7,168241E+08	4,943279E+08	3,654058E+08	3,654102E+08	4,943328E+08	7,168187E+08	9,692824E+08	1,184068E+09	1,307602E+09	1,307610E+09	1,184072E+09	9,692541E+08
-2660	7,167763E+08	4,943041E+08	3,654020E+08	3,654099E+08	4,943290E+08	7,168177E+08	9,692925E+08	1,184080E+09	1,307589E+09	1,307571E+09	1,184041E+09	9,692583E+08
-2659	7,168047E+08	4,943383E+08	3,654292E+08	3,654239E+08	4,943246E+08	7,167905E+08	9,692517E+08	1,184046E+09	1,307581E+09	1,307588E+09	1,184074E+09	9,693021E+08
-2658	7,168411E+08	4,943544E+08	3,654403E+08	3,654426E+08	4,943526E+08	7,168231E+08	9,692791E+08	1,184061E+09	1,307582E+09	1,307572E+09	1,184033E+09	9,692386E+08
-2657	7,167865E+08	4,943293E+08	3,654309E+08	3,654308E+08	4,943321E+08	7,167983E+08	9,692585E+08	1,184049E+09	1,307577E+09	1,307576E+09	1,184051E+09	9,692699E+08
-2656	7,168261E+08	4,943629E+08	3,654489E+08	3,654403E+08	4,943398E+08	7,168026E+08	9,692551E+08	1,184037E+09	1,307570E+09	1,307586E+09	1,184075E+09	9,692850E+08
-2655	7,168090E+08	4,943315E+08	3,654295E+08	3,654378E+08	4,943527E+08	7,168287E+08	9,692870E+08	1,184066E+09	1,307582E+09	1,307569E+09	1,184029E+09	9,692368E+08
-2654	7,167799E+08	4,943121E+08	3,654071E+08	3,654069E+08	4,943153E+08	7,167924E+08	9,692606E+08	1,184056E+09	1,307592E+09	1,307600E+09	1,184076E+09	9,692894E+08
-2653	7,168286E+08	4,943375E+08	3,654078E+08	3,654039E+08	4,943224E+08	7,168111E+08	9,692843E+08	1,184080E+09	1,307614E+09	1,307614E+09	1,184078E+09	9,692638E+08
-2652	7,167763E+08	4,942918E+08	3,653785E+08	3,653810E+08	4,943023E+08	7,168028E+08	9,692994E+08	1,184112E+09	1,307637E+09	1,307609E+09	1,184053E+09	9,692491E+08
-2651	7,167746E+08	4,942906E+08	3,653735E+08	3,653687E+08	4,942780E+08	7,167612E+08	9,692487E+08	1,184077E+09	1,307639E+09	1,307651E+09	1,184113E+09	9,693043E+08
-2650	7,168139E+08	4,943015E+08	3,653707E+08	3,653738E+08	4,943016E+08	7,167992E+08	9,692815E+08	1,184089E+09	1,307637E+09	1,307646E+09	1,184099E+09	9,692617E+08
-2649	7,167565E+08	4,942613E+08	3,653442E+08	3,653487E+08	4,942766E+08	7,167840E+08	9,692819E+08	1,184095E+09	1,307632E+09	1,307631E+09	1,184094E+09	9,692823E+08
-2648	7,167931E+08	4,942951E+08	3,653640E+08	3,653558E+08	4,942747E+08	7,167748E+08	9,692684E+08	1,184079E+09	1,307622E+09	1,307633E+09	1,184111E+09	9,693088E+08
-2647	7,168056E+08	4,942913E+08	3,653654E+08	3,653710E+08	4,943012E+08	7,168058E+08	9,692977E+08	1,184104E+09	1,307631E+09	1,307610E+09	1,184052E+09	9,692405E+08
-2646	7,167660E+08	4,942793E+08	3,653631E+08	3,653638E+08	4,942813E+08	7,167745E+08	9,692638E+08	1,184079E+09	1,307621E+09	1,307617E+09	1,184075E+09	9,692751E+08
-2645	7,168144E+08	4,943288E+08	3,654001E+08	3,653950E+08	4,943109E+08	7,167953E+08	9,692675E+08	1,184069E+09	1,307612E+09	1,307616E+09	1,184082E+09	9,692691E+08
-2644	7,167822E+08	4,943038E+08	3,653998E+08	3,654091E+08	4,943305E+08	7,168186E+08	9,692929E+08	1,184085E+09	1,307603E+09	1,307580E+09	1,184033E+09	9,692365E+08
-2643	7,167760E+08	4,943134E+08	3,654161E+08	3,654190E+08	4,943222E+08	7,167875E+08	9,692458E+08	1,184038E+09	1,307575E+09	1,307586E+09	1,184070E+09	9,692934E+08
-2642	7,168400E+08	4,943593E+08	3,654443E+08	3,654477E+08	4,943600E+08	7,168291E+08	9,692757E+08	1,184045E+09	1,307562E+09	1,307566E+09	1,184048E+09	9,692563E+08
-2641	7,167946E+08	4,943362E+08	3,654401E+08	3,654444E+08	4,943501E+08	7,168199E+08	9,692774E+08	1,184054E+09	1,307560E+09	1,307540E+09	1,184014E+09	9,692489E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2640	7,168203E+08	4,943745E+08	3,654719E+08	3,654610E+08	4,943475E+08	7,167960E+08	9,692401E+08	1,184018E+09	1,307546E+09	1,307554E+09	1,184046E+09	9,692852E+08
-2639	7,168442E+08	4,943814E+08	3,654813E+08	3,654856E+08	4,943857E+08	7,168342E+08	9,692652E+08	1,184031E+09	1,307547E+09	1,307540E+09	1,184008E+09	9,692256E+08
-2638	7,167914E+08	4,943511E+08	3,654621E+08	3,654652E+08	4,943605E+08	7,168098E+08	9,692447E+08	1,184014E+09	1,307534E+09	1,307539E+09	1,184028E+09	9,692628E+08
-2637	7,168329E+08	4,943833E+08	3,654775E+08	3,654714E+08	4,943667E+08	7,168169E+08	9,692497E+08	1,184016E+09	1,307540E+09	1,307553E+09	1,184050E+09	9,692784E+08
-2636	7,168166E+08	4,943497E+08	3,654530E+08	3,654608E+08	4,943707E+08	7,168396E+08	9,692909E+08	1,184060E+09	1,307561E+09	1,307539E+09	1,184005E+09	9,692287E+08
-2635	7,167878E+08	4,943316E+08	3,654327E+08	3,654319E+08	4,943297E+08	7,167915E+08	9,692492E+08	1,184040E+09	1,307570E+09	1,307572E+09	1,184052E+09	9,692778E+08
-2634	7,168341E+08	4,943612E+08	3,654393E+08	3,654336E+08	4,943415E+08	7,168129E+08	9,692707E+08	1,184057E+09	1,307588E+09	1,307592E+09	1,184065E+09	9,692612E+08
-2633	7,167818E+08	4,943108E+08	3,654061E+08	3,654091E+08	4,943226E+08	7,168063E+08	9,692827E+08	1,184084E+09	1,307611E+09	1,307591E+09	1,184042E+09	9,692461E+08
-2632	7,167836E+08	4,943135E+08	3,654032E+08	3,653970E+08	4,943011E+08	7,167760E+08	9,692463E+08	1,184049E+09	1,307599E+09	1,307616E+09	1,184092E+09	9,692988E+08
-2631	7,168200E+08	4,943216E+08	3,654011E+08	3,654069E+08	4,943292E+08	7,168145E+08	9,692813E+08	1,184071E+09	1,307603E+09	1,307605E+09	1,184068E+09	9,692535E+08
-2630	7,167701E+08	4,942865E+08	3,653732E+08	3,653779E+08	4,942988E+08	7,167925E+08	9,692749E+08	1,184074E+09	1,307598E+09	1,307590E+09	1,184059E+09	9,692691E+08
-2629	7,168044E+08	4,943253E+08	3,654008E+08	3,653903E+08	4,942989E+08	7,167812E+08	9,692568E+08	1,184061E+09	1,307603E+09	1,307604E+09	1,184078E+09	9,692903E+08
-2628	7,168092E+08	4,943167E+08	3,654023E+08	3,654073E+08	4,943267E+08	7,168133E+08	9,692891E+08	1,184086E+09	1,307609E+09	1,307586E+09	1,184029E+09	9,692267E+08
-2627	7,167687E+08	4,943025E+08	3,654011E+08	3,654055E+08	4,943118E+08	7,167808E+08	9,692441E+08	1,184043E+09	1,307582E+09	1,307586E+09	1,184055E+09	9,692674E+08
-2626	7,168198E+08	4,943548E+08	3,654393E+08	3,654362E+08	4,943444E+08	7,168108E+08	9,692570E+08	1,184034E+09	1,307563E+09	1,307577E+09	1,184066E+09	9,692724E+08
-2625	7,167959E+08	4,943298E+08	3,654350E+08	3,654452E+08	4,943582E+08	7,168308E+08	9,692850E+08	1,184057E+09	1,307563E+09	1,307542E+09	1,184009E+09	9,692363E+08
-2624	7,167979E+08	4,943495E+08	3,654560E+08	3,654538E+08	4,943469E+08	7,168004E+08	9,692437E+08	1,184015E+09	1,307534E+09	1,307539E+09	1,184034E+09	9,692819E+08
-2623	7,168525E+08	4,943929E+08	3,654883E+08	3,654893E+08	4,943882E+08	7,168367E+08	9,692655E+08	1,184023E+09	1,307531E+09	1,307527E+09	1,184011E+09	9,692404E+08
-2622	7,168075E+08	4,943691E+08	3,654818E+08	3,654852E+08	4,943777E+08	7,168236E+08	9,692565E+08	1,184019E+09	1,307523E+09	1,307508E+09	1,183987E+09	9,692349E+08
-2621	7,168275E+08	4,944032E+08	3,655121E+08	3,655024E+08	4,943800E+08	7,168063E+08	9,692218E+08	1,183984E+09	1,307513E+09	1,307525E+09	1,184024E+09	9,692732E+08
-2620	7,168456E+08	4,944002E+08	3,655122E+08	3,655192E+08	4,944150E+08	7,168524E+08	9,692653E+08	1,184010E+09	1,307513E+09	1,307508E+09	1,183989E+09	9,692206E+08
-2619	7,167976E+08	4,943680E+08	3,654894E+08	3,654960E+08	4,943849E+08	7,168213E+08	9,692412E+08	1,183993E+09	1,307499E+09	1,307500E+09	1,184001E+09	9,692557E+08
-2618	7,168417E+08	4,944051E+08	3,655051E+08	3,654980E+08	4,943870E+08	7,168276E+08	9,692496E+08	1,184003E+09	1,307512E+09	1,307518E+09	1,184026E+09	9,692730E+08
-2617	7,168265E+08	4,943717E+08	3,654799E+08	3,654843E+08	4,943842E+08	7,168407E+08	9,692824E+08	1,184047E+09	1,307548E+09	1,307523E+09	1,183986E+09	9,692195E+08
-2616	7,167970E+08	4,943567E+08	3,654635E+08	3,654580E+08	4,943456E+08	7,167949E+08	9,692393E+08	1,184019E+09	1,307545E+09	1,307550E+09	1,184033E+09	9,692659E+08
-2615	7,168347E+08	4,943793E+08	3,654703E+08	3,654666E+08	4,943666E+08	7,168202E+08	9,692570E+08	1,184031E+09	1,307558E+09	1,307567E+09	1,184048E+09	9,692562E+08
-2614	7,167907E+08	4,943300E+08	3,654325E+08	3,654371E+08	4,943445E+08	7,168133E+08	9,692673E+08	1,184048E+09	1,307569E+09	1,307559E+09	1,184024E+09	9,692444E+08
-2613	7,167956E+08	4,943366E+08	3,654326E+08	3,654266E+08	4,943244E+08	7,167850E+08	9,692367E+08	1,184025E+09	1,307566E+09	1,307578E+09	1,184064E+09	9,692917E+08
-2612	7,168315E+08	4,943455E+08	3,654305E+08	3,654343E+08	4,943494E+08	7,168240E+08	9,692796E+08	1,184058E+09	1,307576E+09	1,307570E+09	1,184037E+09	9,692420E+08
-2611	7,167802E+08	4,943128E+08	3,654089E+08	3,654126E+08	4,943207E+08	7,167947E+08	9,692603E+08	1,184049E+09	1,307568E+09	1,307554E+09	1,184027E+09	9,692520E+08
-2610	7,168099E+08	4,943536E+08	3,654414E+08	3,654309E+08	4,943290E+08	7,167913E+08	9,692451E+08	1,184033E+09	1,307566E+09	1,307572E+09	1,184057E+09	9,692803E+08
-2609	7,168146E+08	4,943413E+08	3,654397E+08	3,654464E+08	4,943576E+08	7,168265E+08	9,692784E+08	1,184057E+09	1,307575E+09	1,307561E+09	1,184013E+09	9,692208E+08
-2608	7,167776E+08	4,943295E+08	3,654390E+08	3,654429E+08	4,943435E+08	7,168025E+08	9,692457E+08	1,184017E+09	1,307539E+09	1,307546E+09	1,184031E+09	9,692614E+08
-2607	7,168287E+08	4,943797E+08	3,654776E+08	3,654769E+08	4,943777E+08	7,168293E+08	9,692580E+08	1,184016E+09	1,307528E+09	1,307536E+09	1,184033E+09	9,692660E+08
-2606	7,168152E+08	4,943614E+08	3,654714E+08	3,654797E+08	4,943823E+08	7,168375E+08	9,692730E+08	1,184031E+09	1,307527E+09	1,307504E+09	1,183977E+09	9,692249E+08
-2605	7,168133E+08	4,943851E+08	3,654995E+08	3,654936E+08	4,943724E+08	7,168030E+08	9,692258E+08	1,183990E+09	1,307508E+09	1,307508E+09	1,184005E+09	9,692671E+08

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2604	7,168602E+08	4,944217E+08	3,655289E+08	3,655290E+08	4,944152E+08	7,168417E+08	9,692496E+08	1,183995E+09	1,307499E+09	1,307499E+09	1,183989E+09	9,692293E+08
-2603	7,168124E+08	4,943927E+08	3,655202E+08	3,655264E+08	4,944079E+08	7,168300E+08	9,692346E+08	1,183977E+09	1,307475E+09	1,307469E+09	1,183965E+09	9,692278E+08
-2602	7,168345E+08	4,944266E+08	3,655471E+08	3,655397E+08	4,944116E+08	7,168239E+08	9,692161E+08	1,183951E+09	1,307460E+09	1,307480E+09	1,184002E+09	9,692716E+08
-2601	7,168577E+08	4,944222E+08	3,655408E+08	3,655475E+08	4,944367E+08	7,168644E+08	9,692641E+08	1,183991E+09	1,307478E+09	1,307471E+09	1,183963E+09	9,692148E+08
-2600	7,168127E+08	4,943961E+08	3,655201E+08	3,655211E+08	4,944030E+08	7,168336E+08	9,692441E+08	1,183982E+09	1,307471E+09	1,307463E+09	1,183969E+09	9,692400E+08
-2599	7,168467E+08	4,944280E+08	3,655385E+08	3,655295E+08	4,944078E+08	7,168332E+08	9,692438E+08	1,183993E+09	1,307497E+09	1,307496E+09	1,183996E+09	9,692563E+08
-2598	7,168341E+08	4,943940E+08	3,655095E+08	3,655135E+08	4,944034E+08	7,168411E+08	9,692642E+08	1,184021E+09	1,307525E+09	1,307507E+09	1,183972E+09	9,692094E+08
-2597	7,168015E+08	4,943772E+08	3,654939E+08	3,654897E+08	4,943699E+08	7,168010E+08	9,692242E+08	1,183994E+09	1,307522E+09	1,307531E+09	1,184021E+09	9,692611E+08
-2596	7,168380E+08	4,943935E+08	3,654948E+08	3,654932E+08	4,943883E+08	7,168320E+08	9,692545E+08	1,184011E+09	1,307528E+09	1,307541E+09	1,184034E+09	9,692559E+08
-2595	7,168002E+08	4,943471E+08	3,654588E+08	3,654652E+08	4,943649E+08	7,168199E+08	9,692586E+08	1,184023E+09	1,307530E+09	1,307520E+09	1,183999E+09	9,692389E+08
-2594	7,168083E+08	4,943621E+08	3,654637E+08	3,654558E+08	4,943464E+08	7,167954E+08	9,692327E+08	1,184004E+09	1,307529E+09	1,307540E+09	1,184036E+09	9,692808E+08
-2593	7,168418E+08	4,943721E+08	3,654643E+08	3,654650E+08	4,943689E+08	7,168287E+08	9,692702E+08	1,184038E+09	1,307552E+09	1,307546E+09	1,184013E+09	9,692284E+08
-2592	7,167891E+08	4,943416E+08	3,654473E+08	3,654488E+08	4,943481E+08	7,168073E+08	9,692518E+08	1,184023E+09	1,307534E+09	1,307523E+09	1,184002E+09	9,692364E+08
-2591	7,168097E+08	4,943738E+08	3,654790E+08	3,654729E+08	4,943637E+08	7,168075E+08	9,692370E+08	1,184006E+09	1,307531E+09	1,307539E+09	1,184030E+09	9,692708E+08
-2590	7,168252E+08	4,943647E+08	3,654733E+08	3,654824E+08	4,943865E+08	7,168397E+08	9,692688E+08	1,184023E+09	1,307530E+09	1,307523E+09	1,183992E+09	9,692183E+08
-2589	7,167937E+08	4,943591E+08	3,654766E+08	3,654796E+08	4,943697E+08	7,168112E+08	9,692372E+08	1,183995E+09	1,307504E+09	1,307504E+09	1,184001E+09	9,692538E+08
-2588	7,168437E+08	4,944095E+08	3,655147E+08	3,655109E+08	4,943997E+08	7,168356E+08	9,692509E+08	1,183997E+09	1,307498E+09	1,307500E+09	1,184003E+09	9,692555E+08
-2587	7,168292E+08	4,943943E+08	3,655155E+08	3,655212E+08	4,944067E+08	7,168367E+08	9,692501E+08	1,183995E+09	1,307488E+09	1,307467E+09	1,183948E+09	9,692113E+08
-2586	7,168244E+08	4,944184E+08	3,655444E+08	3,655380E+08	4,944051E+08	7,168130E+08	9,692084E+08	1,183950E+09	1,307459E+09	1,307470E+09	1,183982E+09	9,692569E+08
-2585	7,168685E+08	4,944492E+08	3,655682E+08	3,655690E+08	4,944464E+08	7,168554E+08	9,692384E+08	1,183962E+09	1,307458E+09	1,307465E+09	1,183969E+09	9,692232E+08
-2584	7,168232E+08	4,944198E+08	3,655569E+08	3,655629E+08	4,944394E+08	7,168523E+08	9,692369E+08	1,183952E+09	1,307430E+09	1,307422E+09	1,183934E+09	9,692171E+08
-2583	7,168408E+08	4,944476E+08	3,655807E+08	3,655758E+08	4,944414E+08	7,168420E+08	9,692213E+08	1,183941E+09	1,307432E+09	1,307440E+09	1,183964E+09	9,692571E+08
-2582	7,168711E+08	4,944478E+08	3,655709E+08	3,655756E+08	4,944556E+08	7,168704E+08	9,692579E+08	1,183976E+09	1,307456E+09	1,307445E+09	1,183938E+09	9,692013E+08
-2581	7,168210E+08	4,944226E+08	3,655544E+08	3,655522E+08	4,944208E+08	7,168324E+08	9,692318E+08	1,183970E+09	1,307460E+09	1,307448E+09	1,183950E+09	9,692264E+08
-2580	7,168480E+08	4,944456E+08	3,655670E+08	3,655586E+08	4,944272E+08	7,168356E+08	9,692304E+08	1,183973E+09	1,307479E+09	1,307485E+09	1,183990E+09	9,692511E+08
-2579	7,168373E+08	4,944097E+08	3,655373E+08	3,655437E+08	4,944244E+08	7,168431E+08	9,692423E+08	1,183982E+09	1,307485E+09	1,307481E+09	1,183962E+09	9,692099E+08
-2578	7,168110E+08	4,943960E+08	3,655205E+08	3,655182E+08	4,943940E+08	7,168139E+08	9,692172E+08	1,183960E+09	1,307471E+09	1,307492E+09	1,184006E+09	9,692636E+08
-2577	7,168532E+08	4,944153E+08	3,655204E+08	3,655175E+08	4,944054E+08	7,168392E+08	9,692497E+08	1,183990E+09	1,307492E+09	1,307503E+09	1,184010E+09	9,692512E+08
-2576	7,168163E+08	4,943757E+08	3,654903E+08	3,654923E+08	4,943848E+08	7,168316E+08	9,692569E+08	1,184005E+09	1,307496E+09	1,307476E+09	1,183963E+09	9,692213E+08
-2575	7,168138E+08	4,943869E+08	3,655008E+08	3,654929E+08	4,943730E+08	7,168057E+08	9,692284E+08	1,183990E+09	1,307506E+09	1,307509E+09	1,184000E+09	9,692590E+08
-2574	7,168487E+08	4,943967E+08	3,654986E+08	3,655002E+08	4,943951E+08	7,168364E+08	9,692566E+08	1,184010E+09	1,307521E+09	1,307520E+09	1,183992E+09	9,692142E+08
-2573	7,167927E+08	4,943650E+08	3,654835E+08	3,654870E+08	4,943779E+08	7,168193E+08	9,692449E+08	1,184003E+09	1,307507E+09	1,307495E+09	1,183983E+09	9,692280E+08
-2572	7,168141E+08	4,943916E+08	3,655093E+08	3,655063E+08	4,943907E+08	7,168227E+08	9,692379E+08	1,183990E+09	1,307501E+09	1,307509E+09	1,184012E+09	9,692673E+08
-2571	7,168368E+08	4,943882E+08	3,655068E+08	3,655165E+08	4,944095E+08	7,168451E+08	9,692571E+08	1,183997E+09	1,307492E+09	1,307483E+09	1,183966E+09	9,692132E+08
-2570	7,168112E+08	4,943923E+08	3,655165E+08	3,655165E+08	4,943950E+08	7,168190E+08	9,692264E+08	1,183966E+09	1,307462E+09	1,307465E+09	1,183975E+09	9,692451E+08
-2569	7,168595E+08	4,944441E+08	3,655576E+08	3,655497E+08	4,944220E+08	7,168355E+08	9,692313E+08	1,183966E+09	1,307464E+09	1,307470E+09	1,183981E+09	9,692449E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2568	7,168420E+08	4,944292E+08	3,655609E+08	3,655651E+08	4,944398E+08	7,168487E+08	9,692326E+08	1,183955E+09	1,307439E+09	1,307424E+09	1,183920E+09	9,691977E+08
-2567	7,168294E+08	4,944451E+08	3,655875E+08	3,655848E+08	4,944440E+08	7,168322E+08	9,691998E+08	1,183917E+09	1,307413E+09	1,307424E+09	1,183947E+09	9,692441E+08
-2566	7,168804E+08	4,944751E+08	3,656034E+08	3,656063E+08	4,944766E+08	7,168712E+08	9,692327E+08	1,183931E+09	1,307411E+09	1,307420E+09	1,183940E+09	9,692147E+08
-2565	7,168363E+08	4,944480E+08	3,655927E+08	3,655983E+08	4,944651E+08	7,168630E+08	9,692372E+08	1,183943E+09	1,307404E+09	1,307383E+09	1,183902E+09	9,692040E+08
-2564	7,168484E+08	4,944698E+08	3,656111E+08	3,656053E+08	4,944613E+08	7,168496E+08	9,692207E+08	1,183936E+09	1,307419E+09	1,307418E+09	1,183941E+09	9,692429E+08
-2563	7,168757E+08	4,944705E+08	3,656048E+08	3,656082E+08	4,944743E+08	7,168687E+08	9,692396E+08	1,183951E+09	1,307432E+09	1,307425E+09	1,183923E+09	9,691929E+08
-2562	7,168276E+08	4,944454E+08	3,655866E+08	3,655851E+08	4,944455E+08	7,168397E+08	9,692172E+08	1,183937E+09	1,307425E+09	1,307428E+09	1,183944E+09	9,692234E+08
-2561	7,168543E+08	4,944645E+08	3,655940E+08	3,655861E+08	4,944474E+08	7,168426E+08	9,692196E+08	1,183945E+09	1,307446E+09	1,307462E+09	1,183982E+09	9,692543E+08
-2560	7,168501E+08	4,944315E+08	3,655638E+08	3,655704E+08	4,944478E+08	7,168586E+08	9,692399E+08	1,183958E+09	1,307443E+09	1,307438E+09	1,183938E+09	9,692056E+08
-2559	7,168214E+08	4,944161E+08	3,655480E+08	3,655472E+08	4,944176E+08	7,168271E+08	9,692183E+08	1,183947E+09	1,307441E+09	1,307448E+09	1,183966E+09	9,692487E+08
-2558	7,168669E+08	4,944409E+08	3,655491E+08	3,655437E+08	4,944225E+08	7,168434E+08	9,692418E+08	1,183973E+09	1,307466E+09	1,307471E+09	1,183980E+09	9,692352E+08
-2557	7,168237E+08	4,944030E+08	3,655263E+08	3,655264E+08	4,944052E+08	7,168321E+08	9,692469E+08	1,183994E+09	1,307479E+09	1,307451E+09	1,183938E+09	9,692026E+08
-2556	7,168117E+08	4,944032E+08	3,655309E+08	3,655264E+08	4,943981E+08	7,168138E+08	9,692190E+08	1,183971E+09	1,307485E+09	1,307490E+09	1,183986E+09	9,692474E+08
-2555	7,168479E+08	4,944144E+08	3,655306E+08	3,655351E+08	4,944209E+08	7,168439E+08	9,692404E+08	1,183975E+09	1,307480E+09	1,307489E+09	1,183979E+09	9,692136E+08
-2554	7,168041E+08	4,943885E+08	3,655157E+08	3,655206E+08	4,944048E+08	7,168325E+08	9,692381E+08	1,183970E+09	1,307458E+09	1,307456E+09	1,183965E+09	9,692278E+08
-2553	7,168321E+08	4,944212E+08	3,655431E+08	3,655373E+08	4,944101E+08	7,168270E+08	9,692280E+08	1,183967E+09	1,307465E+09	1,307471E+09	1,183988E+09	9,692640E+08
-2552	7,168578E+08	4,944261E+08	3,655487E+08	3,655538E+08	4,944350E+08	7,168527E+08	9,692432E+08	1,183967E+09	1,307450E+09	1,307436E+09	1,183930E+09	9,691988E+08
-2551	7,168228E+08	4,944270E+08	3,655645E+08	3,655646E+08	4,944293E+08	7,168290E+08	9,692125E+08	1,183937E+09	1,307424E+09	1,307422E+09	1,183934E+09	9,692266E+08
-2550	7,168714E+08	4,944767E+08	3,656019E+08	3,655955E+08	4,944568E+08	7,168469E+08	9,692135E+08	1,183926E+09	1,307417E+09	1,307431E+09	1,183955E+09	9,692325E+08
-2549	7,168491E+08	4,944588E+08	3,656047E+08	3,656113E+08	4,944761E+08	7,168656E+08	9,692294E+08	1,183933E+09	1,307399E+09	1,307382E+09	1,183891E+09	9,691861E+08
-2548	7,168335E+08	4,944649E+08	3,656206E+08	3,656224E+08	4,944762E+08	7,168532E+08	9,692066E+08	1,183905E+09	1,307383E+09	1,307389E+09	1,183921E+09	9,692326E+08
-2547	7,168864E+08	4,944983E+08	3,656365E+08	3,656394E+08	4,945004E+08	7,168804E+08	9,692275E+08	1,183914E+09	1,307381E+09	1,307385E+09	1,183913E+09	9,692052E+08
-2546	7,168483E+08	4,944762E+08	3,656271E+08	3,656302E+08	4,944870E+08	7,168709E+08	9,692313E+08	1,183924E+09	1,307379E+09	1,307360E+09	1,183883E+09	9,691946E+08
-2545	7,168578E+08	4,944955E+08	3,656439E+08	3,656355E+08	4,944779E+08	7,168472E+08	9,692046E+08	1,183915E+09	1,307400E+09	1,307404E+09	1,183932E+09	9,692390E+08
-2544	7,168842E+08	4,944949E+08	3,656364E+08	3,656402E+08	4,944991E+08	7,168753E+08	9,692207E+08	1,183915E+09	1,307393E+09	1,307395E+09	1,183909E+09	9,691905E+08
-2543	7,168339E+08	4,944653E+08	3,656174E+08	3,656190E+08	4,944734E+08	7,168526E+08	9,692078E+08	1,183907E+09	1,307383E+09	1,307388E+09	1,183918E+09	9,692211E+08
-2542	7,168694E+08	4,944863E+08	3,656195E+08	3,656117E+08	4,944664E+08	7,168492E+08	9,692090E+08	1,183914E+09	1,307400E+09	1,307419E+09	1,183957E+09	9,692496E+08
-2541	7,168637E+08	4,944578E+08	3,655939E+08	3,655981E+08	4,944654E+08	7,168625E+08	9,692371E+08	1,183948E+09	1,307416E+09	1,307397E+09	1,183902E+09	9,691905E+08
-2540	7,168271E+08	4,944372E+08	3,655761E+08	3,655746E+08	4,944364E+08	7,168338E+08	9,692162E+08	1,183941E+09	1,307428E+09	1,307423E+09	1,183937E+09	9,692275E+08
-2539	7,168651E+08	4,944616E+08	3,655814E+08	3,655757E+08	4,944429E+08	7,168445E+08	9,692256E+08	1,183949E+09	1,307442E+09	1,307447E+09	1,183959E+09	9,692213E+08
-2538	7,168262E+08	4,944241E+08	3,655580E+08	3,655609E+08	4,944340E+08	7,168451E+08	9,692379E+08	1,183964E+09	1,307446E+09	1,307431E+09	1,183928E+09	9,691966E+08
-2537	7,168157E+08	4,944217E+08	3,655590E+08	3,655566E+08	4,944213E+08	7,168239E+08	9,692129E+08	1,183949E+09	1,307455E+09	1,307466E+09	1,183977E+09	9,692499E+08
-2536	7,168595E+08	4,944378E+08	3,655606E+08	3,655669E+08	4,944481E+08	7,168589E+08	9,692358E+08	1,183949E+09	1,307437E+09	1,307445E+09	1,183954E+09	9,692116E+08
-2535	7,168187E+08	4,944170E+08	3,655522E+08	3,655574E+08	4,944326E+08	7,168446E+08	9,692331E+08	1,183951E+09	1,307424E+09	1,307411E+09	1,183926E+09	9,692166E+08
-2534	7,168507E+08	4,944563E+08	3,655833E+08	3,655738E+08	4,944328E+08	7,168290E+08	9,692103E+08	1,183936E+09	1,307428E+09	1,307434E+09	1,183958E+09	9,692510E+08
-2533	7,168702E+08	4,944627E+08	3,655963E+08	3,655997E+08	4,944642E+08	7,168553E+08	9,692273E+08	1,183943E+09	1,307417E+09	1,307399E+09	1,183900E+09	9,691826E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2532	7,168263E+08	4,944524E+08	3,656049E+08	3,656094E+08	4,944654E+08	7,168440E+08	9,692020E+08	1,183908E+09	1,307388E+09	1,307388E+09	1,183910E+09	9,692126E+08
-2531	7,168727E+08	4,945006E+08	3,656411E+08	3,656377E+08	4,944904E+08	7,168617E+08	9,692022E+08	1,183889E+09	1,307366E+09	1,307385E+09	1,183929E+09	9,692279E+08
-2530	7,168618E+08	4,944860E+08	3,656410E+08	3,656494E+08	4,945080E+08	7,168846E+08	9,692288E+08	1,183905E+09	1,307353E+09	1,307339E+09	1,183866E+09	9,691794E+08
-2529	7,168474E+08	4,944932E+08	3,656539E+08	3,656533E+08	4,944965E+08	7,168603E+08	9,692034E+08	1,183892E+09	1,307358E+09	1,307358E+09	1,183897E+09	9,692259E+08
-2528	7,169002E+08	4,945306E+08	3,656739E+08	3,656737E+08	4,945244E+08	7,168872E+08	9,692160E+08	1,183891E+09	1,307352E+09	1,307351E+09	1,183885E+09	9,691945E+08
-2527	7,168576E+08	4,945051E+08	3,656666E+08	3,656692E+08	4,945142E+08	7,168767E+08	9,692163E+08	1,183900E+09	1,307353E+09	1,307331E+09	1,183855E+09	9,691834E+08
-2526	7,168680E+08	4,945213E+08	3,656776E+08	3,656693E+08	4,945021E+08	7,168515E+08	9,691846E+08	1,183878E+09	1,307363E+09	1,307377E+09	1,183918E+09	9,692360E+08
-2525	7,168930E+08	4,945194E+08	3,656700E+08	3,656740E+08	4,945230E+08	7,168827E+08	9,692144E+08	1,183896E+09	1,307358E+09	1,307358E+09	1,183886E+09	9,691855E+08
-2524	7,168396E+08	4,944810E+08	3,656416E+08	3,656464E+08	4,944965E+08	7,168657E+08	9,692092E+08	1,183894E+09	1,307357E+09	1,307354E+09	1,183891E+09	9,692098E+08
-2523	7,168742E+08	4,945066E+08	3,656467E+08	3,656374E+08	4,944841E+08	7,168544E+08	9,692008E+08	1,183894E+09	1,307371E+09	1,307383E+09	1,183928E+09	9,692387E+08
-2522	7,168724E+08	4,944822E+08	3,656242E+08	3,656263E+08	4,944851E+08	7,168692E+08	9,692294E+08	1,183927E+09	1,307391E+09	1,307375E+09	1,183881E+09	9,691761E+08
-2521	7,168302E+08	4,944582E+08	3,656052E+08	3,656031E+08	4,944546E+08	7,168351E+08	9,692034E+08	1,183922E+09	1,307411E+09	1,307411E+09	1,183927E+09	9,692197E+08
-2520	7,168669E+08	4,944812E+08	3,656107E+08	3,656082E+08	4,944716E+08	7,168562E+08	9,692110E+08	1,183916E+09	1,307405E+09	1,307417E+09	1,183942E+09	9,692174E+08
-2519	7,168317E+08	4,944437E+08	3,655887E+08	3,655952E+08	4,944636E+08	7,168613E+08	9,692332E+08	1,183939E+09	1,307408E+09	1,307390E+09	1,183900E+09	9,691953E+08
-2518	7,168317E+08	4,944463E+08	3,655883E+08	3,655858E+08	4,944428E+08	7,168314E+08	9,692037E+08	1,183921E+09	1,307413E+09	1,307424E+09	1,183953E+09	9,692486E+08
-2517	7,168772E+08	4,944704E+08	3,655984E+08	3,656009E+08	4,944683E+08	7,168619E+08	9,692302E+08	1,183937E+09	1,307407E+09	1,307401E+09	1,183918E+09	9,691998E+08
-2516	7,168293E+08	4,944463E+08	3,655911E+08	3,655956E+08	4,944590E+08	7,168523E+08	9,692243E+08	1,183932E+09	1,307399E+09	1,307380E+09	1,183894E+09	9,691977E+08
-2515	7,168550E+08	4,944870E+08	3,656270E+08	3,656167E+08	4,944629E+08	7,168346E+08	9,691892E+08	1,183898E+09	1,307387E+09	1,307398E+09	1,183932E+09	9,692385E+08
-2514	7,168776E+08	4,944923E+08	3,656386E+08	3,656444E+08	4,945019E+08	7,168742E+08	9,692168E+08	1,183904E+09	1,307371E+09	1,307366E+09	1,183879E+09	9,691740E+08
-2513	7,168341E+08	4,944784E+08	3,656419E+08	3,656482E+08	4,944965E+08	7,168605E+08	9,691999E+08	1,183886E+09	1,307352E+09	1,307353E+09	1,183889E+09	9,692090E+08
-2512	7,168833E+08	4,945267E+08	3,656756E+08	3,656748E+08	4,945229E+08	7,168796E+08	9,691997E+08	1,183867E+09	1,307326E+09	1,307336E+09	1,183894E+09	9,692191E+08
-2511	7,168755E+08	4,945168E+08	3,656799E+08	3,656873E+08	4,945364E+08	7,168979E+08	9,692271E+08	1,183891E+09	1,307327E+09	1,307299E+09	1,183827E+09	9,691673E+08
-2510	7,168629E+08	4,945259E+08	3,656927E+08	3,656877E+08	4,945160E+08	7,168595E+08	9,691859E+08	1,183866E+09	1,307330E+09	1,307332E+09	1,183876E+09	9,692154E+08
-2509	7,169087E+08	4,945612E+08	3,657157E+08	3,657131E+08	4,945474E+08	7,168860E+08	9,691992E+08	1,183869E+09	1,307324E+09	1,307324E+09	1,183865E+09	9,691854E+08
-2508	7,168609E+08	4,945255E+08	3,656999E+08	3,657058E+08	4,945434E+08	7,168869E+08	9,692022E+08	1,183869E+09	1,307321E+09	1,307307E+09	1,183840E+09	9,691764E+08
-2507	7,168713E+08	4,945411E+08	3,657080E+08	3,657004E+08	4,945261E+08	7,168596E+08	9,691687E+08	1,183839E+09	1,307314E+09	1,307337E+09	1,183897E+09	9,692353E+08
-2506	7,169065E+08	4,945423E+08	3,656980E+08	3,657023E+08	4,945463E+08	7,168952E+08	9,692089E+08	1,183867E+09	1,307317E+09	1,307321E+09	1,183861E+09	9,691784E+08
-2505	7,168517E+08	4,945050E+08	3,656685E+08	3,656702E+08	4,945117E+08	7,168699E+08	9,692048E+08	1,183882E+09	1,307335E+09	1,307325E+09	1,183866E+09	9,691989E+08
-2504	7,168808E+08	4,945298E+08	3,656766E+08	3,656670E+08	4,945070E+08	7,168620E+08	9,691912E+08	1,183874E+09	1,307344E+09	1,307350E+09	1,183897E+09	9,692232E+08
-2503	7,168759E+08	4,945045E+08	3,656575E+08	3,656612E+08	4,945130E+08	7,168813E+08	9,692226E+08	1,183907E+09	1,307368E+09	1,307348E+09	1,183856E+09	9,691646E+08
-2502	7,168349E+08	4,944776E+08	3,656337E+08	3,656329E+08	4,944785E+08	7,168450E+08	9,691933E+08	1,183895E+09	1,307379E+09	1,307388E+09	1,183915E+09	9,692175E+08
-2501	7,168728E+08	4,945012E+08	3,656411E+08	3,656393E+08	4,944943E+08	7,168672E+08	9,692126E+08	1,183905E+09	1,307376E+09	1,307384E+09	1,183921E+09	9,692147E+08
-2500	7,168404E+08	4,944616E+08	3,656147E+08	3,656235E+08	4,944871E+08	7,168741E+08	9,692339E+08	1,183928E+09	1,307386E+09	1,307361E+09	1,183874E+09	9,691850E+08
-2499	7,168409E+08	4,944732E+08	3,656219E+08	3,656156E+08	4,944618E+08	7,168341E+08	9,691897E+08	1,183896E+09	1,307380E+09	1,307389E+09	1,183924E+09	9,692405E+08
-2498	7,168918E+08	4,945032E+08	3,656388E+08	3,656380E+08	4,944926E+08	7,168660E+08	9,692131E+08	1,183904E+09	1,307373E+09	1,307375E+09	1,183895E+09	9,691872E+08
-2497	7,168380E+08	4,944757E+08	3,656314E+08	3,656351E+08	4,944858E+08	7,168561E+08	9,692057E+08	1,183901E+09	1,307366E+09	1,307354E+09	1,183877E+09	9,691900E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2496	7,168622E+08	4,945145E+08	3,656670E+08	3,656606E+08	4,945012E+08	7,168515E+08	9,691736E+08	1,183855E+09	1,307334E+09	1,307351E+09	1,183902E+09	9,692318E+08
-2495	7,168890E+08	4,945210E+08	3,656794E+08	3,656875E+08	4,945383E+08	7,168949E+08	9,692131E+08	1,183873E+09	1,307321E+09	1,307311E+09	1,183841E+09	9,691665E+08
-2494	7,168507E+08	4,945093E+08	3,656797E+08	3,656843E+08	4,945227E+08	7,168711E+08	9,691926E+08	1,183860E+09	1,307310E+09	1,307308E+09	1,183858E+09	9,692007E+08
-2493	7,168980E+08	4,945613E+08	3,657190E+08	3,657138E+08	4,945463E+08	7,168851E+08	9,691962E+08	1,183856E+09	1,307299E+09	1,307297E+09	1,183857E+09	9,692028E+08
-2492	7,168834E+08	4,945451E+08	3,657200E+08	3,657271E+08	4,945639E+08	7,169050E+08	9,692168E+08	1,183873E+09	1,307307E+09	1,307277E+09	1,183802E+09	9,691493E+08
-2491	7,168658E+08	4,945535E+08	3,657332E+08	3,657274E+08	4,945439E+08	7,168642E+08	9,691640E+08	1,183828E+09	1,307292E+09	1,307304E+09	1,183860E+09	9,692101E+08
-2490	7,169173E+08	4,945863E+08	3,657521E+08	3,657508E+08	4,945779E+08	7,168995E+08	9,691855E+08	1,183829E+09	1,307282E+09	1,307298E+09	1,183852E+09	9,691831E+08
-2489	7,168702E+08	4,945465E+08	3,657295E+08	3,657361E+08	4,945670E+08	7,168983E+08	9,691977E+08	1,183845E+09	1,307285E+09	1,307275E+09	1,183823E+09	9,691761E+08
-2488	7,168832E+08	4,945624E+08	3,657349E+08	3,657295E+08	4,945525E+08	7,168735E+08	9,691641E+08	1,183816E+09	1,307273E+09	1,307290E+09	1,183861E+09	9,692253E+08
-2487	7,169191E+08	4,945681E+08	3,657292E+08	3,657315E+08	4,945686E+08	7,169069E+08	9,692081E+08	1,183854E+09	1,307292E+09	1,307282E+09	1,183823E+09	9,691633E+08
-2486	7,168612E+08	4,945297E+08	3,656996E+08	3,656981E+08	4,945285E+08	7,168714E+08	9,691936E+08	1,183864E+09	1,307314E+09	1,307304E+09	1,183846E+09	9,691861E+08
-2485	7,168823E+08	4,945502E+08	3,657093E+08	3,656995E+08	4,945279E+08	7,168664E+08	9,691852E+08	1,183862E+09	1,307324E+09	1,307328E+09	1,183877E+09	9,692108E+08
-2484	7,168745E+08	4,945174E+08	3,656834E+08	3,656913E+08	4,945392E+08	7,168954E+08	9,692187E+08	1,183888E+09	1,307345E+09	1,307330E+09	1,183843E+09	9,691577E+08
-2483	7,168378E+08	4,944944E+08	3,656597E+08	3,656587E+08	4,944981E+08	7,168530E+08	9,691836E+08	1,183865E+09	1,307339E+09	1,307354E+09	1,183898E+09	9,692189E+08
-2482	7,168881E+08	4,945247E+08	3,656693E+08	3,656657E+08	4,945134E+08	7,168747E+08	9,692042E+08	1,183878E+09	1,307342E+09	1,307354E+09	1,183898E+09	9,692104E+08
-2481	7,168572E+08	4,944906E+08	3,656476E+08	3,656516E+08	4,945029E+08	7,168743E+08	9,692217E+08	1,183909E+09	1,307361E+09	1,307335E+09	1,183852E+09	9,691771E+08
-2480	7,168535E+08	4,945032E+08	3,656604E+08	3,656539E+08	4,944899E+08	7,168388E+08	9,691691E+08	1,183860E+09	1,307339E+09	1,307349E+09	1,183890E+09	9,692257E+08
-2479	7,169021E+08	4,945347E+08	3,656828E+08	3,656828E+08	4,945280E+08	7,168801E+08	9,692000E+08	1,183869E+09	1,307331E+09	1,307332E+09	1,183863E+09	9,691757E+08
-2478	7,168477E+08	4,945045E+08	3,656725E+08	3,656770E+08	4,945187E+08	7,168708E+08	9,691948E+08	1,183865E+09	1,307318E+09	1,307313E+09	1,183853E+09	9,691823E+08
-2477	7,168696E+08	4,945404E+08	3,657075E+08	3,657024E+08	4,945325E+08	7,168694E+08	9,691792E+08	1,183841E+09	1,307294E+09	1,307303E+09	1,183866E+09	9,692183E+08
-2476	7,168972E+08	4,945452E+08	3,657152E+08	3,657258E+08	4,945702E+08	7,169140E+08	9,692171E+08	1,183861E+09	1,307295E+09	1,307277E+09	1,183808E+09	9,691491E+08
-2475	7,168584E+08	4,945398E+08	3,657193E+08	3,657197E+08	4,945458E+08	7,168766E+08	9,691807E+08	1,183835E+09	1,307279E+09	1,307276E+09	1,183830E+09	9,691897E+08
-2474	7,169099E+08	4,945924E+08	3,657609E+08	3,657534E+08	4,945724E+08	7,168896E+08	9,691777E+08	1,183823E+09	1,307271E+09	1,307278E+09	1,183839E+09	9,691928E+08
-2473	7,168931E+08	4,945728E+08	3,657588E+08	3,657656E+08	4,945899E+08	7,169079E+08	9,691961E+08	1,183840E+09	1,307275E+09	1,307256E+09	1,183793E+09	9,691481E+08
-2472	7,168755E+08	4,945772E+08	3,657679E+08	3,657665E+08	4,945778E+08	7,168771E+08	9,691461E+08	1,183783E+09	1,307237E+09	1,307258E+09	1,183835E+09	9,692089E+08
-2471	7,169324E+08	4,946127E+08	3,657869E+08	3,657863E+08	4,946069E+08	7,169158E+08	9,691815E+08	1,183799E+09	1,307231E+09	1,307243E+09	1,183818E+09	9,691791E+08
-2470	7,168875E+08	4,945741E+08	3,657612E+08	3,657648E+08	4,945863E+08	7,169054E+08	9,691915E+08	1,183823E+09	1,307246E+09	1,307232E+09	1,183792E+09	9,691657E+08
-2469	7,168945E+08	4,945904E+08	3,657701E+08	3,657603E+08	4,945702E+08	7,168797E+08	9,691663E+08	1,183811E+09	1,307252E+09	1,307254E+09	1,183823E+09	9,692030E+08
-2468	7,169215E+08	4,945888E+08	3,657605E+08	3,657636E+08	4,945925E+08	7,169164E+08	9,692044E+08	1,183844E+09	1,307280E+09	1,307267E+09	1,183800E+09	9,691409E+08
-2467	7,168581E+08	4,945488E+08	3,657298E+08	3,657282E+08	4,945510E+08	7,168784E+08	9,691813E+08	1,183839E+09	1,307289E+09	1,307286E+09	1,183835E+09	9,691803E+08
-2466	7,168861E+08	4,945662E+08	3,657362E+08	3,657287E+08	4,945521E+08	7,168788E+08	9,691777E+08	1,183836E+09	1,307298E+09	1,307314E+09	1,183870E+09	9,692097E+08
-2465	7,168824E+08	4,945330E+08	3,657064E+08	3,657149E+08	4,945561E+08	7,169017E+08	9,692147E+08	1,183873E+09	1,307320E+09	1,307309E+09	1,183834E+09	9,691605E+08
-2464	7,168518E+08	4,945152E+08	3,656856E+08	3,656863E+08	4,945203E+08	7,168601E+08	9,691731E+08	1,183839E+09	1,307301E+09	1,307314E+09	1,183869E+09	9,692134E+08
-2463	7,169060E+08	4,945557E+08	3,657054E+08	3,656976E+08	4,945334E+08	7,168789E+08	9,691923E+08	1,183853E+09	1,307307E+09	1,307313E+09	1,183865E+09	9,691987E+08
-2462	7,168703E+08	4,945218E+08	3,656875E+08	3,656881E+08	4,945248E+08	7,168739E+08	9,692002E+08	1,183873E+09	1,307323E+09	1,307303E+09	1,183830E+09	9,691652E+08
-2461	7,168604E+08	4,945318E+08	3,657036E+08	3,656975E+08	4,945208E+08	7,168499E+08	9,691601E+08	1,183832E+09	1,307298E+09	1,307308E+09	1,183859E+09	9,692089E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2460	7,169048E+08	4,945562E+08	3,657193E+08	3,657247E+08	4,945651E+08	7,169023E+08	9,691976E+08	1,183842E+09	1,307290E+09	1,307293E+09	1,183834E+09	9,691609E+08
-2459	7,168532E+08	4,945294E+08	3,657088E+08	3,657140E+08	4,945484E+08	7,168867E+08	9,691910E+08	1,183837E+09	1,307271E+09	1,307266E+09	1,183822E+09	9,691759E+08
-2458	7,168840E+08	4,945682E+08	3,657445E+08	3,657386E+08	4,945594E+08	7,168819E+08	9,691740E+08	1,183819E+09	1,307263E+09	1,307269E+09	1,183835E+09	9,692054E+08
-2457	7,169100E+08	4,945761E+08	3,657543E+08	3,657614E+08	4,945917E+08	7,169175E+08	9,692074E+08	1,183844E+09	1,307273E+09	1,307253E+09	1,183788E+09	9,691401E+08
-2456	7,168701E+08	4,945703E+08	3,657610E+08	3,657629E+08	4,945773E+08	7,168825E+08	9,691600E+08	1,183798E+09	1,307239E+09	1,307241E+09	1,183804E+09	9,691799E+08
-2455	7,169229E+08	4,946247E+08	3,658044E+08	3,657971E+08	4,946056E+08	7,169018E+08	9,691629E+08	1,183787E+09	1,307227E+09	1,307238E+09	1,183816E+09	9,691884E+08
-2454	7,169065E+08	4,946018E+08	3,657978E+08	3,658044E+08	4,946188E+08	7,169190E+08	9,691834E+08	1,183804E+09	1,307228E+09	1,307217E+09	1,183774E+09	9,691469E+08
-2453	7,168886E+08	4,946036E+08	3,658044E+08	3,658029E+08	4,946044E+08	7,168924E+08	9,691509E+08	1,183768E+09	1,307197E+09	1,307209E+09	1,183797E+09	9,691950E+08
-2452	7,169415E+08	4,946357E+08	3,658178E+08	3,658184E+08	4,946331E+08	7,169315E+08	9,691853E+08	1,183790E+09	1,307208E+09	1,307209E+09	1,183784E+09	9,691582E+08
-2451	7,168925E+08	4,946003E+08	3,657944E+08	3,657940E+08	4,946043E+08	7,169097E+08	9,691836E+08	1,183806E+09	1,307222E+09	1,307204E+09	1,183767E+09	9,691505E+08
-2450	7,168980E+08	4,946110E+08	3,658020E+08	3,657923E+08	4,945917E+08	7,168840E+08	9,691529E+08	1,183790E+09	1,307237E+09	1,307245E+09	1,183810E+09	9,691891E+08
-2449	7,169220E+08	4,946059E+08	3,657882E+08	3,657926E+08	4,946134E+08	7,169211E+08	9,691917E+08	1,183822E+09	1,307261E+09	1,307258E+09	1,183800E+09	9,691419E+08
-2448	7,168636E+08	4,945630E+08	3,657536E+08	3,657570E+08	4,945761E+08	7,168876E+08	9,691670E+08	1,183804E+09	1,307245E+09	1,307252E+09	1,183819E+09	9,691819E+08
-2447	7,169007E+08	4,945877E+08	3,657626E+08	3,657550E+08	4,945718E+08	7,168880E+08	9,691722E+08	1,183811E+09	1,307256E+09	1,307269E+09	1,183845E+09	9,692102E+08
-2446	7,169012E+08	4,945604E+08	3,657360E+08	3,657404E+08	4,945700E+08	7,169010E+08	9,692014E+08	1,183849E+09	1,307284E+09	1,307270E+09	1,183810E+09	9,691546E+08
-2445	7,168658E+08	4,945447E+08	3,657226E+08	3,657192E+08	4,945388E+08	7,168640E+08	9,691679E+08	1,183823E+09	1,307268E+09	1,307271E+09	1,183831E+09	9,691928E+08
-2444	7,169111E+08	4,945811E+08	3,657428E+08	3,657372E+08	4,945637E+08	7,168905E+08	9,691833E+08	1,183830E+09	1,307278E+09	1,307284E+09	1,183838E+09	9,691764E+08
-2443	7,168710E+08	4,945475E+08	3,657256E+08	3,657273E+08	4,945558E+08	7,168872E+08	9,691885E+08	1,183839E+09	1,307279E+09	1,307267E+09	1,183808E+09	9,691554E+08
-2442	7,168654E+08	4,945535E+08	3,657390E+08	3,657367E+08	4,945542E+08	7,168695E+08	9,691565E+08	1,183806E+09	1,307263E+09	1,307276E+09	1,183835E+09	9,691980E+08
-2441	7,169124E+08	4,945785E+08	3,657515E+08	3,657586E+08	4,945916E+08	7,169165E+08	9,691988E+08	1,183829E+09	1,307262E+09	1,307261E+09	1,183813E+09	9,691560E+08
-2440	7,168668E+08	4,945554E+08	3,657430E+08	3,657506E+08	4,945766E+08	7,168970E+08	9,691831E+08	1,183814E+09	1,307236E+09	1,307223E+09	1,183788E+09	9,691654E+08
-2439	7,169011E+08	4,946032E+08	3,657869E+08	3,657776E+08	4,945840E+08	7,168875E+08	9,691633E+08	1,183796E+09	1,307230E+09	1,307231E+09	1,183808E+09	9,691955E+08
-2438	7,169236E+08	4,946106E+08	3,657993E+08	3,658034E+08	4,946166E+08	7,169161E+08	9,691834E+08	1,183809E+09	1,307236E+09	1,307225E+09	1,183773E+09	9,691352E+08
-2437	7,168816E+08	4,946023E+08	3,658066E+08	3,658082E+08	4,946091E+08	7,168939E+08	9,691488E+08	1,183764E+09	1,307192E+09	1,307198E+09	1,183777E+09	9,691707E+08
-2436	7,169320E+08	4,946509E+08	3,658431E+08	3,658393E+08	4,946408E+08	7,169201E+08	9,691561E+08	1,183755E+09	1,307181E+09	1,307197E+09	1,183788E+09	9,691763E+08
-2435	7,169167E+08	4,946306E+08	3,658341E+08	3,658398E+08	4,946454E+08	7,169309E+08	9,691759E+08	1,183773E+09	1,307179E+09	1,307168E+09	1,183743E+09	9,691395E+08
-2434	7,169032E+08	4,946321E+08	3,658397E+08	3,658369E+08	4,946289E+08	7,169022E+08	9,691439E+08	1,183750E+09	1,307172E+09	1,307176E+09	1,183764E+09	9,691768E+08
-2433	7,169483E+08	4,946613E+08	3,658507E+08	3,658490E+08	4,946521E+08	7,169345E+08	9,691776E+08	1,183779E+09	1,307193E+09	1,307189E+09	1,183764E+09	9,691459E+08
-2432	7,168965E+08	4,946209E+08	3,658263E+08	3,658297E+08	4,946318E+08	7,169161E+08	9,691687E+08	1,183779E+09	1,307193E+09	1,307179E+09	1,183747E+09	9,691410E+08
-2431	7,169041E+08	4,946322E+08	3,658325E+08	3,658246E+08	4,946173E+08	7,168957E+08	9,691454E+08	1,183765E+09	1,307203E+09	1,307215E+09	1,183797E+09	9,691871E+08
-2430	7,169279E+08	4,946240E+08	3,658148E+08	3,658199E+08	4,946329E+08	7,169280E+08	9,691830E+08	1,183796E+09	1,307225E+09	1,307229E+09	1,183792E+09	9,691463E+08
-2429	7,168754E+08	4,945835E+08	3,657804E+08	3,657836E+08	4,945951E+08	7,168987E+08	9,691709E+08	1,183791E+09	1,307213E+09	1,307211E+09	1,183789E+09	9,691726E+08
-2428	7,169113E+08	4,946098E+08	3,657893E+08	3,657816E+08	4,945916E+08	7,168963E+08	9,691686E+08	1,183798E+09	1,307233E+09	1,307238E+09	1,183815E+09	9,691919E+08
-2427	7,169087E+08	4,945886E+08	3,657691E+08	3,657696E+08	4,945869E+08	7,169009E+08	9,691860E+08	1,183823E+09	1,307253E+09	1,307238E+09	1,183784E+09	9,691426E+08
-2426	7,168724E+08	4,945694E+08	3,657583E+08	3,657562E+08	4,945651E+08	7,168688E+08	9,691495E+08	1,183794E+09	1,307243E+09	1,307249E+09	1,183809E+09	9,691768E+08
-2425	7,169123E+08	4,946016E+08	3,657756E+08	3,657728E+08	4,945918E+08	7,169015E+08	9,691731E+08	1,183803E+09	1,307245E+09	1,307257E+09	1,183824E+09	9,691728E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2424	7,168774E+08	4,945668E+08	3,657572E+08	3,657653E+08	4,945889E+08	7,169036E+08	9,691807E+08	1,183805E+09	1,307229E+09	1,307220E+09	1,183780E+09	9,691507E+08
-2423	7,168804E+08	4,945811E+08	3,657732E+08	3,657713E+08	4,945809E+08	7,168841E+08	9,691565E+08	1,183785E+09	1,307220E+09	1,307226E+09	1,183804E+09	9,691912E+08
-2422	7,169274E+08	4,946111E+08	3,657902E+08	3,657933E+08	4,946125E+08	7,169195E+08	9,691874E+08	1,183807E+09	1,307230E+09	1,307225E+09	1,183787E+09	9,691488E+08
-2421	7,168821E+08	4,945911E+08	3,657882E+08	3,657919E+08	4,946020E+08	7,169034E+08	9,691754E+08	1,183794E+09	1,307205E+09	1,307185E+09	1,183753E+09	9,691466E+08
-2420	7,169095E+08	4,946351E+08	3,658314E+08	3,658240E+08	4,946188E+08	7,168985E+08	9,691490E+08	1,183767E+09	1,307198E+09	1,307203E+09	1,183784E+09	9,691790E+08
-2419	7,169303E+08	4,946430E+08	3,658430E+08	3,658474E+08	4,946498E+08	7,169278E+08	9,691668E+08	1,183768E+09	1,307187E+09	1,307185E+09	1,183753E+09	9,691324E+08
-2418	7,168922E+08	4,946290E+08	3,658460E+08	3,658507E+08	4,946435E+08	7,169103E+08	9,691399E+08	1,183734E+09	1,307153E+09	1,307159E+09	1,183750E+09	9,691623E+08
-2417	7,169425E+08	4,946761E+08	3,658769E+08	3,658743E+08	4,946681E+08	7,169338E+08	9,691547E+08	1,183738E+09	1,307148E+09	1,307159E+09	1,183762E+09	9,691706E+08
-2416	7,169293E+08	4,946564E+08	3,658676E+08	3,658748E+08	4,946718E+08	7,169400E+08	9,691664E+08	1,183748E+09	1,307142E+09	1,307125E+09	1,183706E+09	9,691247E+08
-2415	7,169144E+08	4,946617E+08	3,658761E+08	3,658709E+08	4,946511E+08	7,169084E+08	9,691356E+08	1,183731E+09	1,307143E+09	1,307144E+09	1,183739E+09	9,691629E+08
-2414	7,169517E+08	4,946860E+08	3,658859E+08	3,658834E+08	4,946739E+08	7,169352E+08	9,691591E+08	1,183752E+09	1,307166E+09	1,307169E+09	1,183753E+09	9,691423E+08
-2413	7,169019E+08	4,946415E+08	3,658576E+08	3,658622E+08	4,946567E+08	7,169283E+08	9,691642E+08	1,183755E+09	1,307158E+09	1,307146E+09	1,183726E+09	9,691345E+08
-2412	7,169094E+08	4,946488E+08	3,658579E+08	3,658535E+08	4,946424E+08	7,169101E+08	9,691435E+08	1,183744E+09	1,307170E+09	1,307184E+09	1,183777E+09	9,691804E+08
-2411	7,169378E+08	4,946469E+08	3,658403E+08	3,658432E+08	4,946481E+08	7,169317E+08	9,691742E+08	1,183772E+09	1,307187E+09	1,307189E+09	1,183767E+09	9,691441E+08
-2410	7,168893E+08	4,946090E+08	3,658099E+08	3,658105E+08	4,946121E+08	7,169006E+08	9,691580E+08	1,183773E+09	1,307193E+09	1,307182E+09	1,183759E+09	9,691577E+08
-2409	7,169186E+08	4,946348E+08	3,658210E+08	3,658110E+08	4,946098E+08	7,168969E+08	9,691546E+08	1,183778E+09	1,307213E+09	1,307217E+09	1,183795E+09	9,691813E+08
-2408	7,169137E+08	4,946104E+08	3,658025E+08	3,658073E+08	4,946165E+08	7,169083E+08	9,691678E+08	1,183788E+09	1,307215E+09	1,307204E+09	1,183759E+09	9,691321E+08
-2407	7,168798E+08	4,945943E+08	3,657930E+08	3,657933E+08	4,945961E+08	7,168855E+08	9,691451E+08	1,183768E+09	1,307203E+09	1,307210E+09	1,183788E+09	9,691705E+08
-2406	7,169168E+08	4,946240E+08	3,658088E+08	3,658075E+08	4,946184E+08	7,169135E+08	9,691688E+08	1,183782E+09	1,307209E+09	1,307220E+09	1,183803E+09	9,691712E+08
-2405	7,168904E+08	4,945931E+08	3,657917E+08	3,657997E+08	4,946158E+08	7,169209E+08	9,691876E+08	1,183794E+09	1,307197E+09	1,307175E+09	1,183743E+09	9,691365E+08
-2404	7,168912E+08	4,946101E+08	3,658099E+08	3,658076E+08	4,946077E+08	7,168958E+08	9,691535E+08	1,183771E+09	1,307197E+09	1,307196E+09	1,183773E+09	9,691720E+08
-2403	7,169351E+08	4,946449E+08	3,658325E+08	3,658323E+08	4,946364E+08	7,169207E+08	9,691685E+08	1,183776E+09	1,307196E+09	1,307194E+09	1,183766E+09	9,691417E+08
-2402	7,168927E+08	4,946229E+08	3,658333E+08	3,658382E+08	4,946353E+08	7,169090E+08	9,691504E+08	1,183758E+09	1,307175E+09	1,307160E+09	1,183733E+09	9,691377E+08
-2401	7,169175E+08	4,946625E+08	3,658709E+08	3,658658E+08	4,946516E+08	7,169097E+08	9,691320E+08	1,183728E+09	1,307154E+09	1,307169E+09	1,183768E+09	9,691798E+08
-2400	7,169428E+08	4,946686E+08	3,658805E+08	3,658897E+08	4,946843E+08	7,169421E+08	9,691540E+08	1,183727E+09	1,307127E+09	1,307128E+09	1,183719E+09	9,691289E+08
-2399	7,169121E+08	4,946626E+08	3,658847E+08	3,658879E+08	4,946713E+08	7,169240E+08	9,691372E+08	1,183710E+09	1,307103E+09	1,307102E+09	1,183712E+09	9,691506E+08
-2398	7,169538E+08	4,947078E+08	3,659160E+08	3,659094E+08	4,946895E+08	7,169376E+08	9,691445E+08	1,183717E+09	1,307117E+09	1,307120E+09	1,183730E+09	9,691581E+08
-2397	7,169395E+08	4,946868E+08	3,659078E+08	3,659124E+08	4,946981E+08	7,169515E+08	9,691640E+08	1,183731E+09	1,307115E+09	1,307091E+09	1,183672E+09	9,691036E+08
-2396	7,169161E+08	4,946849E+08	3,659108E+08	3,659083E+08	4,946818E+08	7,169222E+08	9,691291E+08	1,183711E+09	1,307122E+09	1,307125E+09	1,183720E+09	9,691463E+08
-2395	7,169515E+08	4,947071E+08	3,659164E+08	3,659147E+08	4,946985E+08	7,169457E+08	9,691496E+08	1,183724E+09	1,307132E+09	1,307141E+09	1,183741E+09	9,691440E+08
-2394	7,169105E+08	4,946600E+08	3,658848E+08	3,658914E+08	4,946797E+08	7,169372E+08	9,691560E+08	1,183738E+09	1,307138E+09	1,307121E+09	1,183707E+09	9,691306E+08
-2393	7,169186E+08	4,946673E+08	3,658808E+08	3,658760E+08	4,946585E+08	7,169150E+08	9,691382E+08	1,183731E+09	1,307149E+09	1,307159E+09	1,183759E+09	9,691784E+08
-2392	7,169493E+08	4,946686E+08	3,658679E+08	3,658702E+08	4,946651E+08	7,169319E+08	9,691588E+08	1,183747E+09	1,307155E+09	1,307155E+09	1,183738E+09	9,691341E+08
-2391	7,169012E+08	4,946371E+08	3,658438E+08	3,658415E+08	4,946315E+08	7,169031E+08	9,691448E+08	1,183748E+09	1,307160E+09	1,307151E+09	1,183737E+09	9,691455E+08
-2390	7,169209E+08	4,946583E+08	3,658557E+08	3,658460E+08	4,946343E+08	7,169007E+08	9,691359E+08	1,183746E+09	1,307179E+09	1,307190E+09	1,183780E+09	9,691775E+08
-2389	7,169205E+08	4,946327E+08	3,658360E+08	3,658426E+08	4,946476E+08	7,169285E+08	9,691665E+08	1,183760E+09	1,307173E+09	1,307163E+09	1,183730E+09	9,691211E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2388	7,168855E+08	4,946150E+08	3,658236E+08	3,658277E+08	4,946272E+08	7,169060E+08	9,691481E+08	1,183750E+09	1,307169E+09	1,307173E+09	1,183758E+09	9,691575E+08
-2387	7,169254E+08	4,946507E+08	3,658414E+08	3,658386E+08	4,946406E+08	7,169222E+08	9,691634E+08	1,183761E+09	1,307174E+09	1,307179E+09	1,183774E+09	9,691651E+08
-2386	7,169038E+08	4,946230E+08	3,658296E+08	3,658356E+08	4,946393E+08	7,169241E+08	9,691735E+08	1,183777E+09	1,307181E+09	1,307148E+09	1,183712E+09	9,691215E+08
-2385	7,168996E+08	4,946397E+08	3,658498E+08	3,658462E+08	4,946334E+08	7,168994E+08	9,691372E+08	1,183746E+09	1,307173E+09	1,307174E+09	1,183756E+09	9,691662E+08
-2384	7,169445E+08	4,946728E+08	3,658744E+08	3,658770E+08	4,946693E+08	7,169279E+08	9,691452E+08	1,183731E+09	1,307146E+09	1,307155E+09	1,183742E+09	9,691367E+08
-2383	7,169065E+08	4,946552E+08	3,658761E+08	3,658816E+08	4,946697E+08	7,169255E+08	9,691405E+08	1,183719E+09	1,307118E+09	1,307112E+09	1,183709E+09	9,691340E+08
-2382	7,169292E+08	4,946922E+08	3,659115E+08	3,659068E+08	4,946825E+08	7,169226E+08	9,691231E+08	1,183697E+09	1,307106E+09	1,307120E+09	1,183738E+09	9,691769E+08
-2381	7,169607E+08	4,947006E+08	3,659196E+08	3,659273E+08	4,947146E+08	7,169613E+08	9,691569E+08	1,183707E+09	1,307086E+09	1,307074E+09	1,183672E+09	9,691088E+08
-2380	7,169224E+08	4,946942E+08	3,659246E+08	3,659263E+08	4,946999E+08	7,169375E+08	9,691358E+08	1,183697E+09	1,307080E+09	1,307069E+09	1,183675E+09	9,691254E+08
-2379	7,169564E+08	4,947370E+08	3,659559E+08	3,659470E+08	4,947133E+08	7,169405E+08	9,691298E+08	1,183693E+09	1,307089E+09	1,307093E+09	1,183707E+09	9,691463E+08
-2378	7,169439E+08	4,947109E+08	3,659452E+08	3,659516E+08	4,947271E+08	7,169577E+08	9,691458E+08	1,183706E+09	1,307097E+09	1,307074E+09	1,183657E+09	9,690951E+08
-2377	7,169190E+08	4,947032E+08	3,659396E+08	3,659392E+08	4,947069E+08	7,169329E+08	9,691195E+08	1,183684E+09	1,307092E+09	1,307104E+09	1,183713E+09	9,691506E+08
-2376	7,169614E+08	4,947241E+08	3,659428E+08	3,659434E+08	4,947201E+08	7,169528E+08	9,691376E+08	1,183691E+09	1,307087E+09	1,307101E+09	1,183718E+09	9,691457E+08
-2375	7,169301E+08	4,946875E+08	3,659142E+08	3,659172E+08	4,946967E+08	7,169423E+08	9,691481E+08	1,183715E+09	1,307099E+09	1,307081E+09	1,183682E+09	9,691244E+08
-2374	7,169304E+08	4,946946E+08	3,659134E+08	3,659042E+08	4,946737E+08	7,169126E+08	9,691213E+08	1,183707E+09	1,307121E+09	1,307128E+09	1,183733E+09	9,691703E+08
-2373	7,169603E+08	4,946954E+08	3,659030E+08	3,659033E+08	4,946899E+08	7,169426E+08	9,691512E+08	1,183722E+09	1,307123E+09	1,307121E+09	1,183706E+09	9,691148E+08
-2372	7,169036E+08	4,946593E+08	3,658776E+08	3,658783E+08	4,946637E+08	7,169210E+08	9,691415E+08	1,183726E+09	1,307131E+09	1,307125E+09	1,183713E+09	9,691275E+08
-2371	7,169190E+08	4,946766E+08	3,658860E+08	3,658786E+08	4,946619E+08	7,169168E+08	9,691339E+08	1,183722E+09	1,307142E+09	1,307156E+09	1,183759E+09	9,691736E+08
-2370	7,169281E+08	4,946522E+08	3,658657E+08	3,658752E+08	4,946750E+08	7,169431E+08	9,691660E+08	1,183750E+09	1,307154E+09	1,307135E+09	1,183704E+09	9,691124E+08
-2369	7,168941E+08	4,946358E+08	3,658507E+08	3,658541E+08	4,946473E+08	7,169151E+08	9,691459E+08	1,183739E+09	1,307150E+09	1,307148E+09	1,183737E+09	9,691512E+08
-2368	7,169357E+08	4,946748E+08	3,658754E+08	3,658711E+08	4,946603E+08	7,169228E+08	9,691467E+08	1,183734E+09	1,307143E+09	1,307147E+09	1,183746E+09	9,691568E+08
-2367	7,169193E+08	4,946566E+08	3,658717E+08	3,658747E+08	4,946637E+08	7,169255E+08	9,691534E+08	1,183743E+09	1,307140E+09	1,307117E+09	1,183694E+09	9,691135E+08
-2366	7,169076E+08	4,946695E+08	3,658930E+08	3,658890E+08	4,946630E+08	7,169033E+08	9,691118E+08	1,183702E+09	1,307126E+09	1,307139E+09	1,183739E+09	9,691670E+08
-2365	7,169598E+08	4,947035E+08	3,659165E+08	3,659196E+08	4,947054E+08	7,169492E+08	9,691381E+08	1,183690E+09	1,307088E+09	1,307100E+09	1,183706E+09	9,691266E+08
-2364	7,169206E+08	4,946865E+08	3,659174E+08	3,659240E+08	4,947049E+08	7,169461E+08	9,691402E+08	1,183692E+09	1,307070E+09	1,307059E+09	1,183667E+09	9,691160E+08
-2363	7,169412E+08	4,947255E+08	3,659522E+08	3,659448E+08	4,947095E+08	7,169336E+08	9,691170E+08	1,183673E+09	1,307064E+09	1,307070E+09	1,183697E+09	9,691616E+08
-2362	7,169732E+08	4,947341E+08	3,659632E+08	3,659688E+08	4,947428E+08	7,169676E+08	9,691450E+08	1,183692E+09	1,307070E+09	1,307045E+09	1,183636E+09	9,690869E+08
-2361	7,169259E+08	4,947206E+08	3,659632E+08	3,659651E+08	4,947282E+08	7,169460E+08	9,691254E+08	1,183678E+09	1,307061E+09	1,307053E+09	1,183660E+09	9,691156E+08
-2360	7,169583E+08	4,947567E+08	3,659918E+08	3,659863E+08	4,947432E+08	7,169502E+08	9,691146E+08	1,183659E+09	1,307052E+09	1,307065E+09	1,183691E+09	9,691438E+08
-2359	7,169548E+08	4,947349E+08	3,659787E+08	3,659858E+08	4,947536E+08	7,169708E+08	9,691402E+08	1,183679E+09	1,307054E+09	1,307043E+09	1,183647E+09	9,690963E+08
-2358	7,169293E+08	4,947245E+08	3,659692E+08	3,659686E+08	4,947276E+08	7,169396E+08	9,691110E+08	1,183661E+09	1,307057E+09	1,307071E+09	1,183696E+09	9,691543E+08
-2357	7,169800E+08	4,947502E+08	3,659720E+08	3,659692E+08	4,947401E+08	7,169649E+08	9,691351E+08	1,183670E+09	1,307052E+09	1,307060E+09	1,183682E+09	9,691305E+08
-2356	7,169408E+08	4,947146E+08	3,659476E+08	3,659478E+08	4,947178E+08	7,169497E+08	9,691417E+08	1,183697E+09	1,307075E+09	1,307053E+09	1,183650E+09	9,691031E+08
-2355	7,169340E+08	4,947187E+08	3,659470E+08	3,659367E+08	4,946955E+08	7,169156E+08	9,691056E+08	1,183679E+09	1,307089E+09	1,307100E+09	1,183711E+09	9,691591E+08
-2354	7,169643E+08	4,947152E+08	3,659348E+08	3,659381E+08	4,947179E+08	7,169512E+08	9,691373E+08	1,183699E+09	1,307101E+09	1,307097E+09	1,183686E+09	9,691038E+08
-2353	7,169051E+08	4,946740E+08	3,659031E+08	3,659067E+08	4,946891E+08	7,169369E+08	9,691410E+08	1,183708E+09	1,307101E+09	1,307099E+09	1,183699E+09	9,691266E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2352	7,169257E+08	4,946914E+08	3,659118E+08	3,659064E+08	4,946822E+08	7,169256E+08	9,691285E+08	1,183699E+09	1,307102E+09	1,307114E+09	1,183731E+09	9,691677E+08
-2351	7,169443E+08	4,946800E+08	3,658975E+08	3,659027E+08	4,946921E+08	7,169479E+08	9,691599E+08	1,183730E+09	1,307118E+09	1,307100E+09	1,183681E+09	9,691031E+08
-2350	7,169051E+08	4,946655E+08	3,658887E+08	3,658877E+08	4,946657E+08	7,169129E+08	9,691268E+08	1,183713E+09	1,307122E+09	1,307122E+09	1,183715E+09	9,691453E+08
-2349	7,169512E+08	4,947069E+08	3,659166E+08	3,659100E+08	4,946890E+08	7,169328E+08	9,691307E+08	1,183698E+09	1,307102E+09	1,307110E+09	1,183716E+09	9,691414E+08
-2348	7,169294E+08	4,946879E+08	3,659158E+08	3,659204E+08	4,947006E+08	7,169423E+08	9,691425E+08	1,183708E+09	1,307096E+09	1,307080E+09	1,183667E+09	9,691001E+08
-2347	7,169163E+08	4,946989E+08	3,659349E+08	3,659323E+08	4,946968E+08	7,169189E+08	9,691031E+08	1,183666E+09	1,307072E+09	1,307088E+09	1,183708E+09	9,691613E+08
-2346	7,169743E+08	4,947333E+08	3,659578E+08	3,659626E+08	4,947392E+08	7,169639E+08	9,691336E+08	1,183672E+09	1,307055E+09	1,307055E+09	1,183667E+09	9,691109E+08
-2345	7,169311E+08	4,947156E+08	3,659556E+08	3,659613E+08	4,947335E+08	7,169609E+08	9,691397E+08	1,183678E+09	1,307044E+09	1,307025E+09	1,183636E+09	9,691012E+08
-2344	7,169472E+08	4,947517E+08	3,659930E+08	3,659848E+08	4,947353E+08	7,169394E+08	9,691045E+08	1,183647E+09	1,307032E+09	1,307036E+09	1,183666E+09	9,691449E+08
-2343	7,169827E+08	4,947653E+08	3,660061E+08	3,660105E+08	4,947716E+08	7,169749E+08	9,691305E+08	1,183661E+09	1,307033E+09	1,307021E+09	1,183624E+09	9,690789E+08
-2342	7,169311E+08	4,947453E+08	3,660015E+08	3,660044E+08	4,947568E+08	7,169533E+08	9,691068E+08	1,183642E+09	1,307025E+09	1,307027E+09	1,183651E+09	9,691201E+08
-2341	7,169730E+08	4,947808E+08	3,660244E+08	3,660199E+08	4,947724E+08	7,169689E+08	9,691100E+08	1,183627E+09	1,307004E+09	1,307022E+09	1,183665E+09	9,691397E+08
-2340	7,169712E+08	4,947619E+08	3,660117E+08	3,660182E+08	4,947785E+08	7,169836E+08	9,691383E+08	1,183658E+09	1,307016E+09	1,307001E+09	1,183615E+09	9,690857E+08
-2339	7,169430E+08	4,947519E+08	3,660011E+08	3,659969E+08	4,947448E+08	7,169422E+08	9,691006E+08	1,183638E+09	1,307020E+09	1,307029E+09	1,183663E+09	9,691435E+08
-2338	7,169923E+08	4,947781E+08	3,660074E+08	3,660024E+08	4,947606E+08	7,169651E+08	9,691212E+08	1,183655E+09	1,307036E+09	1,307034E+09	1,183654E+09	9,691112E+08
-2337	7,169427E+08	4,947353E+08	3,659781E+08	3,659790E+08	4,947415E+08	7,169582E+08	9,691324E+08	1,183677E+09	1,307052E+09	1,307035E+09	1,183635E+09	9,690908E+08
-2336	7,169315E+08	4,947320E+08	3,659752E+08	3,659685E+08	4,947207E+08	7,169270E+08	9,690966E+08	1,183651E+09	1,307053E+09	1,307069E+09	1,183692E+09	9,691506E+08
-2335	7,169714E+08	4,947346E+08	3,659628E+08	3,659675E+08	4,947418E+08	7,169657E+08	9,691378E+08	1,183679E+09	1,307063E+09	1,307066E+09	1,183672E+09	9,691004E+08
-2334	7,169128E+08	4,946922E+08	3,659290E+08	3,659330E+08	4,947075E+08	7,169436E+08	9,691367E+08	1,183693E+09	1,307076E+09	1,307070E+09	1,183680E+09	9,691262E+08
-2333	7,169420E+08	4,947160E+08	3,659404E+08	3,659322E+08	4,947016E+08	7,169365E+08	9,691252E+08	1,183681E+09	1,307073E+09	1,307079E+09	1,183699E+09	9,691521E+08
-2332	7,169558E+08	4,947101E+08	3,659357E+08	3,659378E+08	4,947138E+08	7,169515E+08	9,691483E+08	1,183709E+09	1,307092E+09	1,307073E+09	1,183654E+09	9,690859E+08
-2331	7,169124E+08	4,946942E+08	3,659293E+08	3,659279E+08	4,946922E+08	7,169150E+08	9,691041E+08	1,183674E+09	1,307080E+09	1,307088E+09	1,183695E+09	9,691386E+08
-2330	7,169622E+08	4,947358E+08	3,659587E+08	3,659547E+08	4,947230E+08	7,169418E+08	9,691118E+08	1,183663E+09	1,307063E+09	1,307073E+09	1,183692E+09	9,691323E+08
-2329	7,169383E+08	4,947133E+08	3,659530E+08	3,659604E+08	4,947344E+08	7,169615E+08	9,691381E+08	1,183677E+09	1,307050E+09	1,307037E+09	1,183642E+09	9,690949E+08
-2328	7,169276E+08	4,947245E+08	3,659732E+08	3,659717E+08	4,947261E+08	7,169322E+08	9,690974E+08	1,183638E+09	1,307022E+09	1,307033E+09	1,183667E+09	9,691479E+08
-2327	7,169913E+08	4,947686E+08	3,660003E+08	3,660019E+08	4,947661E+08	7,169744E+08	9,691286E+08	1,183650E+09	1,307015E+09	1,307012E+09	1,183635E+09	9,690945E+08
-2326	7,169399E+08	4,947475E+08	3,659997E+08	3,660034E+08	4,947603E+08	7,169660E+08	9,691266E+08	1,183655E+09	1,307016E+09	1,306997E+09	1,183613E+09	9,690917E+08
-2325	7,169588E+08	4,947812E+08	3,660339E+08	3,660265E+08	4,947692E+08	7,169564E+08	9,690952E+08	1,183616E+09	1,306994E+09	1,307003E+09	1,183640E+09	9,691292E+08
-2324	7,169891E+08	4,947935E+08	3,660472E+08	3,660534E+08	4,948062E+08	7,169930E+08	9,691258E+08	1,183634E+09	1,306996E+09	1,306989E+09	1,183604E+09	9,690721E+08
-2323	7,169414E+08	4,947707E+08	3,660371E+08	3,660412E+08	4,947845E+08	7,169652E+08	9,690995E+08	1,183614E+09	1,306981E+09	1,306987E+09	1,183629E+09	9,691210E+08
-2322	7,169906E+08	4,948078E+08	3,660574E+08	3,660527E+08	4,947951E+08	7,169736E+08	9,691015E+08	1,183612E+09	1,306979E+09	1,306985E+09	1,183634E+09	9,691283E+08
-2321	7,169828E+08	4,947878E+08	3,660422E+08	3,660462E+08	4,947972E+08	7,169892E+08	9,691316E+08	1,183642E+09	1,306994E+09	1,306974E+09	1,183591E+09	9,690740E+08
-2320	7,169483E+08	4,947747E+08	3,660348E+08	3,660286E+08	4,947623E+08	7,169407E+08	9,690833E+08	1,183611E+09	1,306988E+09	1,306996E+09	1,183636E+09	9,691273E+08
-2319	7,169978E+08	4,948023E+08	3,660412E+08	3,660360E+08	4,947838E+08	7,169698E+08	9,691059E+08	1,183624E+09	1,306998E+09	1,307009E+09	1,183642E+09	9,691019E+08
-2318	7,169436E+08	4,947531E+08	3,660078E+08	3,660112E+08	4,947665E+08	7,169677E+08	9,691211E+08	1,183648E+09	1,307019E+09	1,307009E+09	1,183624E+09	9,690926E+08
-2317	7,169421E+08	4,947495E+08	3,659994E+08	3,659951E+08	4,947462E+08	7,169465E+08	9,690972E+08	1,183627E+09	1,307012E+09	1,307028E+09	1,183664E+09	9,691402E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2316	7,169818E+08	4,947583E+08	3,659922E+08	3,659962E+08	4,947634E+08	7,169774E+08	9,691388E+08	1,183666E+09	1,307034E+09	1,307029E+09	1,183641E+09	9,690889E+08
-2315	7,169250E+08	4,947188E+08	3,659610E+08	3,659622E+08	4,947245E+08	7,169439E+08	9,691244E+08	1,183672E+09	1,307047E+09	1,307035E+09	1,183653E+09	9,691165E+08
-2314	7,169544E+08	4,947453E+08	3,659780E+08	3,659686E+08	4,947234E+08	7,169340E+08	9,691077E+08	1,183663E+09	1,307055E+09	1,307054E+09	1,183674E+09	9,691364E+08
-2313	7,169608E+08	4,947354E+08	3,659721E+08	3,659759E+08	4,947430E+08	7,169617E+08	9,691355E+08	1,183680E+09	1,307061E+09	1,307049E+09	1,183641E+09	9,690789E+08
-2312	7,169154E+08	4,947160E+08	3,659669E+08	3,659686E+08	4,947236E+08	7,169286E+08	9,690929E+08	1,183637E+09	1,307029E+09	1,307043E+09	1,183669E+09	9,691322E+08
-2311	7,169749E+08	4,947642E+08	3,659971E+08	3,659947E+08	4,947553E+08	7,169597E+08	9,691094E+08	1,183633E+09	1,307011E+09	1,307028E+09	1,183668E+09	9,691264E+08
-2310	7,169508E+08	4,947417E+08	3,659905E+08	3,659984E+08	4,947630E+08	7,169744E+08	9,691340E+08	1,183657E+09	1,307014E+09	1,306994E+09	1,183611E+09	9,690873E+08
-2309	7,169445E+08	4,947566E+08	3,660114E+08	3,660085E+08	4,947554E+08	7,169490E+08	9,690948E+08	1,183618E+09	1,306988E+09	1,306989E+09	1,183626E+09	9,691243E+08
-2308	7,169997E+08	4,948036E+08	3,660466E+08	3,660465E+08	4,947964E+08	7,169834E+08	9,691197E+08	1,183630E+09	1,306987E+09	1,306981E+09	1,183605E+09	9,690773E+08
-2307	7,169466E+08	4,947764E+08	3,660425E+08	3,660475E+08	4,947910E+08	7,169714E+08	9,691070E+08	1,183621E+09	1,306978E+09	1,306965E+09	1,183595E+09	9,690872E+08
-2306	7,169701E+08	4,948092E+08	3,660740E+08	3,660692E+08	4,948009E+08	7,169652E+08	9,690818E+08	1,183590E+09	1,306960E+09	1,306971E+09	1,183621E+09	9,691245E+08
-2305	7,169997E+08	4,948186E+08	3,660807E+08	3,660880E+08	4,948332E+08	7,170063E+08	9,691205E+08	1,183608E+09	1,306955E+09	1,306952E+09	1,183585E+09	9,690707E+08
-2304	7,169531E+08	4,947962E+08	3,660709E+08	3,660730E+08	4,948047E+08	7,169696E+08	9,690876E+08	1,183585E+09	1,306936E+09	1,306938E+09	1,183595E+09	9,691115E+08
-2303	7,170072E+08	4,948407E+08	3,660947E+08	3,660857E+08	4,948151E+08	7,169758E+08	9,690871E+08	1,183584E+09	1,306942E+09	1,306951E+09	1,183609E+09	9,691147E+08
-2302	7,169899E+08	4,948146E+08	3,660783E+08	3,660811E+08	4,948192E+08	7,169901E+08	9,691135E+08	1,183616E+09	1,306966E+09	1,306948E+09	1,183571E+09	9,690649E+08
-2301	7,169559E+08	4,947972E+08	3,660658E+08	3,660623E+08	4,947928E+08	7,169577E+08	9,690751E+08	1,183582E+09	1,306952E+09	1,306963E+09	1,183609E+09	9,691101E+08
-2300	7,169983E+08	4,948232E+08	3,660734E+08	3,660708E+08	4,948134E+08	7,169880E+08	9,691073E+08	1,183605E+09	1,306966E+09	1,306976E+09	1,183619E+09	9,690937E+08
-2299	7,169488E+08	4,947700E+08	3,660340E+08	3,660402E+08	4,947899E+08	7,169798E+08	9,691209E+08	1,183632E+09	1,306987E+09	1,306974E+09	1,183603E+09	9,690902E+08
-2298	7,169542E+08	4,947707E+08	3,660254E+08	3,660219E+08	4,947651E+08	7,169520E+08	9,690963E+08	1,183624E+09	1,306998E+09	1,307001E+09	1,183637E+09	9,691276E+08
-2297	7,169879E+08	4,947803E+08	3,660193E+08	3,660215E+08	4,947801E+08	7,169823E+08	9,691334E+08	1,183654E+09	1,307019E+09	1,307010E+09	1,183625E+09	9,690795E+08
-2296	7,169285E+08	4,947412E+08	3,659947E+08	3,659945E+08	4,947430E+08	7,169416E+08	9,691038E+08	1,183643E+09	1,307015E+09	1,307007E+09	1,183632E+09	9,691072E+08
-2295	7,169637E+08	4,947729E+08	3,660151E+08	3,660064E+08	4,947504E+08	7,169385E+08	9,690858E+08	1,183621E+09	1,307011E+09	1,307026E+09	1,183663E+09	9,691329E+08
-2294	7,169686E+08	4,947600E+08	3,660080E+08	3,660142E+08	4,947728E+08	7,169727E+08	9,691213E+08	1,183643E+09	1,307014E+09	1,307010E+09	1,183623E+09	9,690829E+08
-2293	7,169333E+08	4,947436E+08	3,660009E+08	3,660049E+08	4,947565E+08	7,169503E+08	9,690912E+08	1,183607E+09	1,306976E+09	1,306985E+09	1,183629E+09	9,691174E+08
-2292	7,169881E+08	4,947979E+08	3,660384E+08	3,660344E+08	4,947846E+08	7,169746E+08	9,691101E+08	1,183616E+09	1,306972E+09	1,306975E+09	1,183623E+09	9,691095E+08
-2291	7,169640E+08	4,947760E+08	3,660340E+08	3,660396E+08	4,947901E+08	7,169806E+08	9,691231E+08	1,183634E+09	1,306981E+09	1,306954E+09	1,183575E+09	9,690719E+08
-2290	7,169563E+08	4,947906E+08	3,660563E+08	3,660532E+08	4,947848E+08	7,169526E+08	9,690807E+08	1,183599E+09	1,306966E+09	1,306962E+09	1,183598E+09	9,691044E+08
-2289	7,170013E+08	4,948305E+08	3,660873E+08	3,660897E+08	4,948305E+08	7,169976E+08	9,691092E+08	1,183602E+09	1,306957E+09	1,306957E+09	1,183592E+09	9,690717E+08
-2288	7,169507E+08	4,948012E+08	3,660827E+08	3,660891E+08	4,948217E+08	7,169824E+08	9,690940E+08	1,183586E+09	1,306932E+09	1,306925E+09	1,183573E+09	9,690857E+08
-2287	7,169853E+08	4,948383E+08	3,661116E+08	3,661072E+08	4,948291E+08	7,169757E+08	9,690718E+08	1,183557E+09	1,306914E+09	1,306932E+09	1,183601E+09	9,691225E+08
-2286	7,170146E+08	4,948478E+08	3,661164E+08	3,661219E+08	4,948564E+08	7,170125E+08	9,691097E+08	1,183584E+09	1,306921E+09	1,306914E+09	1,183559E+09	9,690677E+08
-2285	7,169710E+08	4,948275E+08	3,661059E+08	3,661058E+08	4,948297E+08	7,169801E+08	9,690775E+08	1,183558E+09	1,306899E+09	1,306896E+09	1,183556E+09	9,690898E+08
-2284	7,170128E+08	4,948709E+08	3,661353E+08	3,661250E+08	4,948424E+08	7,169834E+08	9,690758E+08	1,183559E+09	1,306910E+09	1,306916E+09	1,183578E+09	9,690996E+08
-2283	7,169936E+08	4,948365E+08	3,661127E+08	3,661184E+08	4,948484E+08	7,169991E+08	9,690981E+08	1,183584E+09	1,306930E+09	1,306917E+09	1,183551E+09	9,690592E+08
-2282	7,169623E+08	4,948166E+08	3,660947E+08	3,660950E+08	4,948197E+08	7,169701E+08	9,690731E+08	1,183568E+09	1,306926E+09	1,306933E+09	1,183588E+09	9,691010E+08
-2281	7,170006E+08	4,948386E+08	3,660965E+08	3,660962E+08	4,948357E+08	7,170034E+08	9,691123E+08	1,183596E+09	1,306942E+09	1,306947E+09	1,183600E+09	9,690897E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2280	7,169550E+08	4,947891E+08	3,660598E+08	3,660634E+08	4,948036E+08	7,169822E+08	9,691142E+08	1,183618E+09	1,306961E+09	1,306939E+09	1,183575E+09	9,690818E+08
-2279	7,169663E+08	4,947975E+08	3,660565E+08	3,660492E+08	4,947806E+08	7,169509E+08	9,690816E+08	1,183600E+09	1,306973E+09	1,306981E+09	1,183622E+09	9,691193E+08
-2278	7,169950E+08	4,948052E+08	3,660526E+08	3,660533E+08	4,947999E+08	7,169814E+08	9,691133E+08	1,183626E+09	1,306993E+09	1,306991E+09	1,183611E+09	9,690776E+08
-2277	7,169394E+08	4,947662E+08	3,660272E+08	3,660295E+08	4,947745E+08	7,169571E+08	9,690907E+08	1,183606E+09	1,306971E+09	1,306969E+09	1,183606E+09	9,690958E+08
-2276	7,169714E+08	4,948008E+08	3,660541E+08	3,660468E+08	4,947837E+08	7,169566E+08	9,690823E+08	1,183594E+09	1,306966E+09	1,306979E+09	1,183632E+09	9,691281E+08
-2275	7,169814E+08	4,947856E+08	3,660433E+08	3,660517E+08	4,948025E+08	7,169856E+08	9,691155E+08	1,183618E+09	1,306971E+09	1,306961E+09	1,183588E+09	9,690758E+08
-2274	7,169493E+08	4,947749E+08	3,660387E+08	3,660422E+08	4,947829E+08	7,169598E+08	9,690905E+08	1,183599E+09	1,306952E+09	1,306946E+09	1,183589E+09	9,690958E+08
-2273	7,169921E+08	4,948269E+08	3,660779E+08	3,660722E+08	4,948108E+08	7,169841E+08	9,691050E+08	1,183601E+09	1,306951E+09	1,306948E+09	1,183595E+09	9,690911E+08
-2272	7,169644E+08	4,948034E+08	3,660770E+08	3,660816E+08	4,948171E+08	7,169833E+08	9,691032E+08	1,183602E+09	1,306947E+09	1,306923E+09	1,183551E+09	9,690604E+08
-2271	7,169641E+08	4,948205E+08	3,660988E+08	3,660974E+08	4,948185E+08	7,169624E+08	9,690600E+08	1,183555E+09	1,306922E+09	1,306936E+09	1,183588E+09	9,691036E+08
-2270	7,170108E+08	4,948569E+08	3,661256E+08	3,661297E+08	4,948615E+08	7,170091E+08	9,690946E+08	1,183564E+09	1,306910E+09	1,306919E+09	1,183576E+09	9,690795E+08
-2269	7,169725E+08	4,948318E+08	3,661183E+08	3,661260E+08	4,948536E+08	7,169992E+08	9,690858E+08	1,183551E+09	1,306878E+09	1,306869E+09	1,183535E+09	9,690761E+08
-2268	7,170032E+08	4,948752E+08	3,661545E+08	3,661465E+08	4,948562E+08	7,169848E+08	9,690635E+08	1,183532E+09	1,306872E+09	1,306879E+09	1,183559E+09	9,691100E+08
-2267	7,170288E+08	4,948804E+08	3,661579E+08	3,661610E+08	4,948815E+08	7,170157E+08	9,690934E+08	1,183555E+09	1,306885E+09	1,306874E+09	1,183524E+09	9,690530E+08
-2266	7,169811E+08	4,948575E+08	3,661459E+08	3,661460E+08	4,948580E+08	7,169874E+08	9,690691E+08	1,183541E+09	1,306874E+09	1,306867E+09	1,183527E+09	9,690677E+08
-2265	7,170084E+08	4,948897E+08	3,661675E+08	3,661603E+08	4,948736E+08	7,170024E+08	9,690759E+08	1,183541E+09	1,306884E+09	1,306893E+09	1,183561E+09	9,690894E+08
-2264	7,169913E+08	4,948521E+08	3,661413E+08	3,661486E+08	4,948730E+08	7,170131E+08	9,690966E+08	1,183564E+09	1,306897E+09	1,306885E+09	1,183531E+09	9,690555E+08
-2263	7,169720E+08	4,948359E+08	3,661196E+08	3,661207E+08	4,948403E+08	7,169803E+08	9,690703E+08	1,183550E+09	1,306901E+09	1,306912E+09	1,183573E+09	9,690977E+08
-2262	7,170098E+08	4,948587E+08	3,661210E+08	3,661183E+08	4,948496E+08	7,170056E+08	9,691048E+08	1,183583E+09	1,306926E+09	1,306927E+09	1,183584E+09	9,690902E+08
-2261	7,169707E+08	4,948147E+08	3,660881E+08	3,660892E+08	4,948212E+08	7,169843E+08	9,690994E+08	1,183593E+09	1,306934E+09	1,306912E+09	1,183549E+09	9,690678E+08
-2260	7,169733E+08	4,948253E+08	3,660941E+08	3,660848E+08	4,948034E+08	7,169520E+08	9,690620E+08	1,183569E+09	1,306940E+09	1,306950E+09	1,183599E+09	9,691135E+08
-2259	7,170035E+08	4,948291E+08	3,660882E+08	3,660905E+08	4,948277E+08	7,169873E+08	9,690917E+08	1,183585E+09	1,306948E+09	1,306955E+09	1,183592E+09	9,690769E+08
-2258	7,169533E+08	4,947926E+08	3,660622E+08	3,660660E+08	4,948030E+08	7,169701E+08	9,690861E+08	1,183581E+09	1,306928E+09	1,306925E+09	1,183573E+09	9,690828E+08
-2257	7,169772E+08	4,948241E+08	3,660868E+08	3,660809E+08	4,948126E+08	7,169749E+08	9,690850E+08	1,183576E+09	1,306929E+09	1,306935E+09	1,183597E+09	9,691143E+08
-2256	7,169890E+08	4,948138E+08	3,660812E+08	3,660869E+08	4,948266E+08	7,169934E+08	9,691072E+08	1,183597E+09	1,306936E+09	1,306916E+09	1,183549E+09	9,690593E+08
-2255	7,169598E+08	4,948069E+08	3,660803E+08	3,660818E+08	4,948099E+08	7,169655E+08	9,690753E+08	1,183571E+09	1,306924E+09	1,306922E+09	1,183566E+09	9,690809E+08
-2254	7,169960E+08	4,948537E+08	3,661189E+08	3,661139E+08	4,948410E+08	7,169919E+08	9,690890E+08	1,183571E+09	1,306921E+09	1,306925E+09	1,183581E+09	9,690884E+08
-2253	7,169763E+08	4,948316E+08	3,661160E+08	3,661239E+08	4,948540E+08	7,170012E+08	9,690912E+08	1,183564E+09	1,306900E+09	1,306884E+09	1,183527E+09	9,690525E+08
-2252	7,169752E+08	4,948521E+08	3,661427E+08	3,661418E+08	4,948533E+08	7,169797E+08	9,690549E+08	1,183525E+09	1,306874E+09	1,306886E+09	1,183558E+09	9,691040E+08
-2251	7,170292E+08	4,948872E+08	3,661652E+08	3,661694E+08	4,948910E+08	7,170197E+08	9,690840E+08	1,183534E+09	1,306865E+09	1,306871E+09	1,183542E+09	9,690750E+08
-2250	7,169939E+08	4,948678E+08	3,661595E+08	3,661640E+08	4,948787E+08	7,170073E+08	9,690815E+08	1,183536E+09	1,306848E+09	1,306827E+09	1,183494E+09	9,690541E+08
-2249	7,170089E+08	4,949047E+08	3,661946E+08	3,661851E+08	4,948835E+08	7,169948E+08	9,690568E+08	1,183513E+09	1,306846E+09	1,306849E+09	1,183528E+09	9,690900E+08
-2248	7,170290E+08	4,949054E+08	3,661971E+08	3,661997E+08	4,949085E+08	7,170207E+08	9,690761E+08	1,183525E+09	1,306850E+09	1,306842E+09	1,183500E+09	9,690403E+08
-2247	7,169854E+08	4,948802E+08	3,661803E+08	3,661826E+08	4,948880E+08	7,170006E+08	9,690567E+08	1,183507E+09	1,306840E+09	1,306847E+09	1,183517E+09	9,690637E+08
-2246	7,170118E+08	4,949058E+08	3,661945E+08	3,661891E+08	4,948970E+08	7,170153E+08	9,690732E+08	1,183520E+09	1,306854E+09	1,306866E+09	1,183548E+09	9,690929E+08
-2245	7,170064E+08	4,948728E+08	3,661653E+08	3,661731E+08	4,948944E+08	7,170248E+08	9,690938E+08	1,183544E+09	1,306864E+09	1,306848E+09	1,183503E+09	9,690466E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2244	7,169854E+08	4,948646E+08	3,661527E+08	3,661488E+08	4,948572E+08	7,169834E+08	9,690622E+08	1,183534E+09	1,306876E+09	1,306877E+09	1,183544E+09	9,690915E+08
-2243	7,170229E+08	4,948839E+08	3,661538E+08	3,661481E+08	4,948659E+08	7,170009E+08	9,690823E+08	1,183554E+09	1,306898E+09	1,306901E+09	1,183562E+09	9,690824E+08
-2242	7,169829E+08	4,948416E+08	3,661233E+08	3,661237E+08	4,948441E+08	7,169877E+08	9,690860E+08	1,183569E+09	1,306904E+09	1,306886E+09	1,183526E+09	9,690523E+08
-2241	7,169732E+08	4,948450E+08	3,661268E+08	3,661204E+08	4,948340E+08	7,169690E+08	9,690571E+08	1,183542E+09	1,306903E+09	1,306918E+09	1,183579E+09	9,691038E+08
-2240	7,170053E+08	4,948481E+08	3,661202E+08	3,661238E+08	4,948545E+08	7,170010E+08	9,690867E+08	1,183557E+09	1,306903E+09	1,306910E+09	1,183563E+09	9,690696E+08
-2239	7,169651E+08	4,948171E+08	3,660945E+08	3,660992E+08	4,948308E+08	7,169855E+08	9,690832E+08	1,183558E+09	1,306896E+09	1,306893E+09	1,183547E+09	9,690712E+08
-2238	7,169847E+08	4,948481E+08	3,661196E+08	3,661119E+08	4,948347E+08	7,169842E+08	9,690813E+08	1,183562E+09	1,306907E+09	1,306907E+09	1,183569E+09	9,691032E+08
-2237	7,170009E+08	4,948425E+08	3,661181E+08	3,661235E+08	4,948540E+08	7,170019E+08	9,690947E+08	1,183570E+09	1,306904E+09	1,306884E+09	1,183519E+09	9,690417E+08
-2236	7,169668E+08	4,948386E+08	3,661256E+08	3,661265E+08	4,948416E+08	7,169733E+08	9,690582E+08	1,183538E+09	1,306886E+09	1,306886E+09	1,183543E+09	9,690773E+08
-2235	7,170073E+08	4,948804E+08	3,661598E+08	3,661569E+08	4,948736E+08	7,170015E+08	9,690694E+08	1,183529E+09	1,306873E+09	1,306887E+09	1,183561E+09	9,690908E+08
-2234	7,169967E+08	4,948642E+08	3,661578E+08	3,661654E+08	4,948842E+08	7,170149E+08	9,690873E+08	1,183538E+09	1,306852E+09	1,306837E+09	1,183495E+09	9,690427E+08
-2233	7,169885E+08	4,948831E+08	3,661829E+08	3,661812E+08	4,948835E+08	7,169953E+08	9,690531E+08	1,183502E+09	1,306832E+09	1,306838E+09	1,183522E+09	9,690901E+08
-2232	7,170413E+08	4,949216E+08	3,662089E+08	3,662081E+08	4,949153E+08	7,170242E+08	9,690701E+08	1,183506E+09	1,306825E+09	1,306825E+09	1,183502E+09	9,690581E+08
-2231	7,170065E+08	4,949026E+08	3,662043E+08	3,662065E+08	4,949082E+08	7,170142E+08	9,690634E+08	1,183502E+09	1,306816E+09	1,306802E+09	1,183468E+09	9,690358E+08
-2230	7,170111E+08	4,949293E+08	3,662330E+08	3,662249E+08	4,949143E+08	7,170066E+08	9,690457E+08	1,183487E+09	1,306817E+09	1,306826E+09	1,183511E+09	9,690824E+08
-2229	7,170372E+08	4,949282E+08	3,662303E+08	3,662369E+08	4,949422E+08	7,170394E+08	9,690706E+08	1,183496E+09	1,306810E+09	1,306807E+09	1,183478E+09	9,690323E+08
-2228	7,169928E+08	4,949034E+08	3,662143E+08	3,662171E+08	4,949151E+08	7,170153E+08	9,690571E+08	1,183490E+09	1,306806E+09	1,306807E+09	1,183494E+09	9,690644E+08
-2227	7,170250E+08	4,949260E+08	3,662225E+08	3,662169E+08	4,949165E+08	7,170214E+08	9,690662E+08	1,183503E+09	1,306826E+09	1,306835E+09	1,183525E+09	9,690900E+08
-2226	7,170245E+08	4,949012E+08	3,661968E+08	3,661996E+08	4,949077E+08	7,170259E+08	9,690891E+08	1,183533E+09	1,306843E+09	1,306822E+09	1,183476E+09	9,690282E+08
-2225	7,169879E+08	4,948866E+08	3,661845E+08	3,661793E+08	4,948767E+08	7,169867E+08	9,690505E+08	1,183512E+09	1,306851E+09	1,306856E+09	1,183525E+09	9,690765E+08
-2224	7,170239E+08	4,949049E+08	3,661869E+08	3,661808E+08	4,948881E+08	7,170022E+08	9,690593E+08	1,183516E+09	1,306859E+09	1,306871E+09	1,183544E+09	9,690755E+08
-2223	7,169904E+08	4,948627E+08	3,661546E+08	3,661577E+08	4,948726E+08	7,170000E+08	9,690701E+08	1,183528E+09	1,306862E+09	1,306858E+09	1,183512E+09	9,690481E+08
-2222	7,169798E+08	4,948625E+08	3,661541E+08	3,661498E+08	4,948590E+08	7,169845E+08	9,690567E+08	1,183520E+09	1,306864E+09	1,306879E+09	1,183555E+09	9,691011E+08
-2221	7,170214E+08	4,948725E+08	3,661490E+08	3,661535E+08	4,948795E+08	7,170145E+08	9,690849E+08	1,183537E+09	1,306863E+09	1,306862E+09	1,183524E+09	9,690535E+08
-2220	7,169768E+08	4,948487E+08	3,661343E+08	3,661351E+08	4,948541E+08	7,169934E+08	9,690786E+08	1,183543E+09	1,306867E+09	1,306851E+09	1,183512E+09	9,690586E+08
-2219	7,169941E+08	4,948746E+08	3,661589E+08	3,661506E+08	4,948598E+08	7,169874E+08	9,690646E+08	1,183535E+09	1,306878E+09	1,306880E+09	1,183545E+09	9,690910E+08
-2218	7,170122E+08	4,948732E+08	3,661601E+08	3,661650E+08	4,948833E+08	7,170128E+08	9,690872E+08	1,183546E+09	1,306870E+09	1,306855E+09	1,183497E+09	9,690265E+08
-2217	7,169700E+08	4,948638E+08	3,661659E+08	3,661696E+08	4,948771E+08	7,169928E+08	9,690547E+08	1,183511E+09	1,306846E+09	1,306851E+09	1,183522E+09	9,690704E+08
-2216	7,170175E+08	4,949082E+08	3,661994E+08	3,661966E+08	4,949028E+08	7,170123E+08	9,690590E+08	1,183498E+09	1,306826E+09	1,306840E+09	1,183531E+09	9,690861E+08
-2215	7,170163E+08	4,948981E+08	3,661990E+08	3,662058E+08	4,949144E+08	7,170263E+08	9,690751E+08	1,183507E+09	1,306815E+09	1,306801E+09	1,183466E+09	9,690319E+08
-2214	7,170018E+08	4,949153E+08	3,662242E+08	3,662194E+08	4,949089E+08	7,170033E+08	9,690441E+08	1,183480E+09	1,306800E+09	1,306803E+09	1,183492E+09	9,690771E+08
-2213	7,170533E+08	4,949531E+08	3,662507E+08	3,662503E+08	4,949459E+08	7,170316E+08	9,690536E+08	1,183472E+09	1,306784E+09	1,306787E+09	1,183471E+09	9,690397E+08
-2212	7,170125E+08	4,949337E+08	3,662498E+08	3,662525E+08	4,949427E+08	7,170267E+08	9,690503E+08	1,183470E+09	1,306775E+09	1,306763E+09	1,183446E+09	9,690313E+08
-2211	7,170186E+08	4,949502E+08	3,662680E+08	3,662631E+08	4,949448E+08	7,170196E+08	9,690337E+08	1,183452E+09	1,306774E+09	1,306790E+09	1,183491E+09	9,690794E+08
-2210	7,170519E+08	4,949538E+08	3,662629E+08	3,662692E+08	4,949658E+08	7,170536E+08	9,690748E+08	1,183480E+09	1,306773E+09	1,306768E+09	1,183450E+09	9,690215E+08
-2209	7,170014E+08	4,949267E+08	3,662448E+08	3,662470E+08	4,949368E+08	7,170260E+08	9,690574E+08	1,183478E+09	1,306780E+09	1,306773E+09	1,183466E+09	9,690514E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2208	7,170330E+08	4,949511E+08	3,662541E+08	3,662442E+08	4,949303E+08	7,170182E+08	9,690501E+08	1,183480E+09	1,306799E+09	1,306804E+09	1,183499E+09	9,690781E+08
-2207	7,170347E+08	4,949272E+08	3,662305E+08	3,662322E+08	4,949292E+08	7,170269E+08	9,690672E+08	1,183501E+09	1,306818E+09	1,306807E+09	1,183462E+09	9,690173E+08
-2206	7,169906E+08	4,949054E+08	3,662139E+08	3,662101E+08	4,949008E+08	7,169958E+08	9,690392E+08	1,183485E+09	1,306819E+09	1,306831E+09	1,183512E+09	9,690727E+08
-2205	7,170317E+08	4,949238E+08	3,662144E+08	3,662126E+08	4,949165E+08	7,170171E+08	9,690528E+08	1,183485E+09	1,306813E+09	1,306830E+09	1,183520E+09	9,690681E+08
-2204	7,170000E+08	4,948865E+08	3,661872E+08	3,661912E+08	4,948995E+08	7,170157E+08	9,690717E+08	1,183511E+09	1,306823E+09	1,306810E+09	1,183482E+09	9,690444E+08
-2203	7,169924E+08	4,948839E+08	3,661832E+08	3,661794E+08	4,948807E+08	7,169934E+08	9,690528E+08	1,183505E+09	1,306837E+09	1,306843E+09	1,183523E+09	9,690880E+08
-2202	7,170354E+08	4,949032E+08	3,661854E+08	3,661856E+08	4,948982E+08	7,170212E+08	9,690857E+08	1,183528E+09	1,306841E+09	1,306832E+09	1,183492E+09	9,690310E+08
-2201	7,169780E+08	4,948738E+08	3,661731E+08	3,661744E+08	4,948809E+08	7,170006E+08	9,690693E+08	1,183524E+09	1,306844E+09	1,306828E+09	1,183491E+09	9,690419E+08
-2200	7,169961E+08	4,948996E+08	3,661977E+08	3,661904E+08	4,948877E+08	7,169922E+08	9,690434E+08	1,183497E+09	1,306838E+09	1,306849E+09	1,183530E+09	9,690870E+08
-2199	7,170244E+08	4,949014E+08	3,661996E+08	3,662067E+08	4,949163E+08	7,170256E+08	9,690691E+08	1,183503E+09	1,306826E+09	1,306825E+09	1,183482E+09	9,690254E+08
-2198	7,169834E+08	4,948911E+08	3,662030E+08	3,662074E+08	4,949064E+08	7,170073E+08	9,690491E+08	1,183482E+09	1,306800E+09	1,306807E+09	1,183496E+09	9,690696E+08
-2197	7,170401E+08	4,949430E+08	3,662398E+08	3,662369E+08	4,949324E+08	7,170218E+08	9,690468E+08	1,183465E+09	1,306776E+09	1,306785E+09	1,183491E+09	9,690721E+08
-2196	7,170332E+08	4,949381E+08	3,662484E+08	3,662515E+08	4,949444E+08	7,170336E+08	9,690618E+08	1,183478E+09	1,306771E+09	1,306749E+09	1,183428E+09	9,690190E+08
-2195	7,170127E+08	4,949465E+08	3,662692E+08	3,662651E+08	4,949411E+08	7,170110E+08	9,690268E+08	1,183447E+09	1,306762E+09	1,306767E+09	1,183463E+09	9,690612E+08
-2194	7,170629E+08	4,949850E+08	3,662944E+08	3,662939E+08	4,949784E+08	7,170487E+08	9,690524E+08	1,183448E+09	1,306745E+09	1,306749E+09	1,183443E+09	9,690217E+08
-2193	7,170119E+08	4,949551E+08	3,662867E+08	3,662934E+08	4,949773E+08	7,170488E+08	9,690549E+08	1,183453E+09	1,306740E+09	1,306728E+09	1,183422E+09	9,690207E+08
-2192	7,170242E+08	4,949712E+08	3,662986E+08	3,662952E+08	4,949693E+08	7,170307E+08	9,690302E+08	1,183434E+09	1,306742E+09	1,306754E+09	1,183466E+09	9,690735E+08
-2191	7,170659E+08	4,949799E+08	3,662935E+08	3,662986E+08	4,949868E+08	7,170600E+08	9,690636E+08	1,183460E+09	1,306753E+09	1,306747E+09	1,183431E+09	9,690129E+08
-2190	7,170104E+08	4,949504E+08	3,662745E+08	3,662736E+08	4,949522E+08	7,170270E+08	9,690468E+08	1,183462E+09	1,306760E+09	1,306753E+09	1,183449E+09	9,690446E+08
-2189	7,170431E+08	4,949749E+08	3,662852E+08	3,662762E+08	4,949510E+08	7,170156E+08	9,690267E+08	1,183446E+09	1,306763E+09	1,306775E+09	1,183479E+09	9,690683E+08
-2188	7,170412E+08	4,949523E+08	3,662659E+08	3,662683E+08	4,949556E+08	7,170337E+08	9,690503E+08	1,183466E+09	1,306774E+09	1,306767E+09	1,183445E+09	9,690185E+08
-2187	7,169992E+08	4,949237E+08	3,662423E+08	3,662416E+08	4,949263E+08	7,170074E+08	9,690299E+08	1,183453E+09	1,306775E+09	1,306792E+09	1,183489E+09	9,690686E+08
-2186	7,170457E+08	4,949490E+08	3,662444E+08	3,662411E+08	4,949376E+08	7,170324E+08	9,690613E+08	1,183472E+09	1,306775E+09	1,306784E+09	1,183484E+09	9,690514E+08
-2185	7,170058E+08	4,949104E+08	3,662189E+08	3,662228E+08	4,949234E+08	7,170291E+08	9,690758E+08	1,183505E+09	1,306801E+09	1,306775E+09	1,183447E+09	9,690243E+08
-2184	7,169973E+08	4,949094E+08	3,662167E+08	3,662112E+08	4,949001E+08	7,169946E+08	9,690397E+08	1,183486E+09	1,306814E+09	1,306816E+09	1,183496E+09	9,690711E+08
-2183	7,170408E+08	4,949298E+08	3,662228E+08	3,662243E+08	4,949263E+08	7,170266E+08	9,690653E+08	1,183498E+09	1,306820E+09	1,306819E+09	1,183480E+09	9,690216E+08
-2182	7,169815E+08	4,948961E+08	3,662080E+08	3,662120E+08	4,949106E+08	7,170130E+08	9,690592E+08	1,183496E+09	1,306811E+09	1,306804E+09	1,183481E+09	9,690425E+08
-2181	7,170079E+08	4,949240E+08	3,662327E+08	3,662296E+08	4,949187E+08	7,170039E+08	9,690315E+08	1,183461E+09	1,306787E+09	1,306804E+09	1,183507E+09	9,690856E+08
-2180	7,170416E+08	4,949349E+08	3,662415E+08	3,662485E+08	4,949475E+08	7,170391E+08	9,690629E+08	1,183475E+09	1,306776E+09	1,306769E+09	1,183452E+09	9,690260E+08
-2179	7,170032E+08	4,949244E+08	3,662436E+08	3,662465E+08	4,949335E+08	7,170154E+08	9,690373E+08	1,183453E+09	1,306758E+09	1,306759E+09	1,183457E+09	9,690552E+08
-2178	7,170571E+08	4,949820E+08	3,662865E+08	3,662786E+08	4,949587E+08	7,170314E+08	9,690421E+08	1,183442E+09	1,306737E+09	1,306740E+09	1,183450E+09	9,690467E+08
-2177	7,170356E+08	4,949689E+08	3,662952E+08	3,663005E+08	4,949810E+08	7,170469E+08	9,690517E+08	1,183452E+09	1,306736E+09	1,306713E+09	1,183397E+09	9,689983E+08
-2176	7,170144E+08	4,949724E+08	3,663089E+08	3,663079E+08	4,949744E+08	7,170224E+08	9,690113E+08	1,183411E+09	1,306719E+09	1,306730E+09	1,183439E+09	9,690518E+08
-2175	7,170700E+08	4,950103E+08	3,663314E+08	3,663339E+08	4,950114E+08	7,170646E+08	9,690421E+08	1,183418E+09	1,306709E+09	1,306719E+09	1,183425E+09	9,690185E+08
-2174	7,170228E+08	4,949785E+08	3,663176E+08	3,663244E+08	4,950004E+08	7,170604E+08	9,690544E+08	1,183437E+09	1,306710E+09	1,306694E+09	1,183401E+09	9,690188E+08
-2173	7,170408E+08	4,949989E+08	3,663306E+08	3,663259E+08	4,949884E+08	7,170316E+08	9,690170E+08	1,183410E+09	1,306708E+09	1,306716E+09	1,183437E+09	9,690636E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2172	7,170793E+08	4,950132E+08	3,663331E+08	3,663338E+08	4,950073E+08	7,170598E+08	9,690461E+08	1,183433E+09	1,306720E+09	1,306712E+09	1,183408E+09	9,690081E+08
-2171	7,170201E+08	4,949756E+08	3,663091E+08	3,663084E+08	4,949761E+08	7,170291E+08	9,690258E+08	1,183428E+09	1,306727E+09	1,306725E+09	1,183429E+09	9,690360E+08
-2170	7,170525E+08	4,950014E+08	3,663197E+08	3,663101E+08	4,949772E+08	7,170300E+08	9,690235E+08	1,183419E+09	1,306722E+09	1,306737E+09	1,183455E+09	9,690564E+08
-2169	7,170421E+08	4,949707E+08	3,662968E+08	3,663035E+08	4,949863E+08	7,170531E+08	9,690540E+08	1,183450E+09	1,306740E+09	1,306729E+09	1,183417E+09	9,690068E+08
-2168	7,170049E+08	4,949430E+08	3,662685E+08	3,662698E+08	4,949490E+08	7,170188E+08	9,690289E+08	1,183439E+09	1,306747E+09	1,306755E+09	1,183460E+09	9,690567E+08
-2167	7,170537E+08	4,949732E+08	3,662743E+08	3,662703E+08	4,949594E+08	7,170408E+08	9,690542E+08	1,183459E+09	1,306762E+09	1,306765E+09	1,183460E+09	9,690368E+08
-2166	7,170090E+08	4,949320E+08	3,662490E+08	3,662515E+08	4,949422E+08	7,170338E+08	9,690699E+08	1,183493E+09	1,306787E+09	1,306759E+09	1,183432E+09	9,690156E+08
-2165	7,170033E+08	4,949316E+08	3,662494E+08	3,662469E+08	4,949250E+08	7,169959E+08	9,690184E+08	1,183453E+09	1,306781E+09	1,306790E+09	1,183481E+09	9,690663E+08
-2164	7,170489E+08	4,949567E+08	3,662605E+08	3,662633E+08	4,949557E+08	7,170353E+08	9,690475E+08	1,183459E+09	1,306771E+09	1,306778E+09	1,183466E+09	9,690289E+08
-2163	7,169959E+08	4,949212E+08	3,662428E+08	3,662488E+08	4,949392E+08	7,170236E+08	9,690457E+08	1,183459E+09	1,306760E+09	1,306758E+09	1,183456E+09	9,690430E+08
-2162	7,170304E+08	4,949604E+08	3,662733E+08	3,662665E+08	4,949445E+08	7,170170E+08	9,690303E+08	1,183435E+09	1,306736E+09	1,306746E+09	1,183464E+09	9,690703E+08
-2161	7,170538E+08	4,949696E+08	3,662861E+08	3,662916E+08	4,949781E+08	7,170510E+08	9,690575E+08	1,183454E+09	1,306738E+09	1,306719E+09	1,183406E+09	9,690029E+08
-2160	7,170125E+08	4,949594E+08	3,662887E+08	3,662902E+08	4,949630E+08	7,170214E+08	9,690214E+08	1,183424E+09	1,306722E+09	1,306718E+09	1,183420E+09	9,690332E+08
-2159	7,170620E+08	4,950141E+08	3,663320E+08	3,663260E+08	4,949954E+08	7,170436E+08	9,690241E+08	1,183410E+09	1,306708E+09	1,306714E+09	1,183425E+09	9,690303E+08
-2158	7,170372E+08	4,949931E+08	3,663337E+08	3,663421E+08	4,950160E+08	7,170664E+08	9,690493E+08	1,183429E+09	1,306704E+09	1,306683E+09	1,183379E+09	9,689941E+08
-2157	7,170233E+08	4,949954E+08	3,663436E+08	3,663472E+08	4,950057E+08	7,170358E+08	9,690045E+08	1,183385E+09	1,306678E+09	1,306689E+09	1,183416E+09	9,690487E+08
-2156	7,170836E+08	4,950397E+08	3,663686E+08	3,663706E+08	4,950385E+08	7,170755E+08	9,690371E+08	1,183398E+09	1,306671E+09	1,306675E+09	1,183401E+09	9,690208E+08
-2155	7,170400E+08	4,950080E+08	3,663529E+08	3,663565E+08	4,950204E+08	7,170628E+08	9,690409E+08	1,183415E+09	1,306683E+09	1,306664E+09	1,183375E+09	9,690109E+08
-2154	7,170563E+08	4,950328E+08	3,663702E+08	3,663594E+08	4,950072E+08	7,170343E+08	9,690062E+08	1,183385E+09	1,306676E+09	1,306683E+09	1,183409E+09	9,690465E+08
-2153	7,170814E+08	4,950383E+08	3,663715E+08	3,663738E+08	4,950369E+08	7,170678E+08	9,690311E+08	1,183403E+09	1,306687E+09	1,306682E+09	1,183385E+09	9,689948E+08
-2152	7,170238E+08	4,949970E+08	3,663401E+08	3,663422E+08	4,950039E+08	7,170395E+08	9,690105E+08	1,183391E+09	1,306684E+09	1,306689E+09	1,183406E+09	9,690285E+08
-2151	7,170586E+08	4,950214E+08	3,663487E+08	3,663421E+08	4,950055E+08	7,170456E+08	9,690169E+08	1,183394E+09	1,306690E+09	1,306704E+09	1,183431E+09	9,690502E+08
-2150	7,170502E+08	4,949896E+08	3,663216E+08	3,663289E+08	4,950076E+08	7,170669E+08	9,690589E+08	1,183442E+09	1,306717E+09	1,306697E+09	1,183392E+09	9,690002E+08
-2149	7,170152E+08	4,949646E+08	3,662957E+08	3,662969E+08	4,949663E+08	7,170205E+08	9,690192E+08	1,183422E+09	1,306722E+09	1,306723E+09	1,183431E+09	9,690437E+08
-2148	7,170601E+08	4,949998E+08	3,663098E+08	3,663036E+08	4,949807E+08	7,170436E+08	9,690410E+08	1,183438E+09	1,306734E+09	1,306736E+09	1,183442E+09	9,690328E+08
-2147	7,170166E+08	4,949553E+08	3,662822E+08	3,662850E+08	4,949659E+08	7,170376E+08	9,690514E+08	1,183461E+09	1,306756E+09	1,306736E+09	1,183416E+09	9,690106E+08
-2146	7,170136E+08	4,949590E+08	3,662853E+08	3,662811E+08	4,949512E+08	7,170102E+08	9,690135E+08	1,183422E+09	1,306736E+09	1,306750E+09	1,183457E+09	9,690590E+08
-2145	7,170564E+08	4,949817E+08	3,662979E+08	3,663032E+08	4,949880E+08	7,170520E+08	9,690447E+08	1,183435E+09	1,306730E+09	1,306733E+09	1,183433E+09	9,690202E+08
-2144	7,170110E+08	4,949512E+08	3,662788E+08	3,662849E+08	4,949662E+08	7,170330E+08	9,690353E+08	1,183431E+09	1,306719E+09	1,306710E+09	1,183417E+09	9,690296E+08
-2143	7,170448E+08	4,949956E+08	3,663162E+08	3,663071E+08	4,949736E+08	7,170254E+08	9,690158E+08	1,183410E+09	1,306709E+09	1,306711E+09	1,183428E+09	9,690521E+08
-2142	7,170610E+08	4,950006E+08	3,663291E+08	3,663335E+08	4,950073E+08	7,170593E+08	9,690468E+08	1,183431E+09	1,306710E+09	1,306689E+09	1,183379E+09	9,689882E+08
-2141	7,170179E+08	4,949871E+08	3,663316E+08	3,663367E+08	4,949969E+08	7,170288E+08	9,690009E+08	1,183386E+09	1,306679E+09	1,306682E+09	1,183396E+09	9,690224E+08
-2140	7,170674E+08	4,950428E+08	3,663756E+08	3,663717E+08	4,950323E+08	7,170604E+08	9,690132E+08	1,183373E+09	1,306657E+09	1,306670E+09	1,183405E+09	9,690323E+08
-2139	7,170504E+08	4,950201E+08	3,663710E+08	3,663805E+08	4,950461E+08	7,170803E+08	9,690418E+08	1,183399E+09	1,306661E+09	1,306643E+09	1,183354E+09	9,689925E+08
-2138	7,170441E+08	4,950306E+08	3,663831E+08	3,663818E+08	4,950301E+08	7,170492E+08	9,690044E+08	1,183363E+09	1,306637E+09	1,306642E+09	1,183380E+09	9,690366E+08
-2137	7,170956E+08	4,950720E+08	3,664107E+08	3,664102E+08	4,950651E+08	7,170829E+08	9,690280E+08	1,183378E+09	1,306643E+09	1,306638E+09	1,183365E+09	9,690044E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2136	7,170511E+08	4,950391E+08	3,663923E+08	3,663946E+08	4,950453E+08	7,170644E+08	9,690198E+08	1,183382E+09	1,306649E+09	1,306633E+09	1,183349E+09	9,689972E+08
-2135	7,170630E+08	4,950599E+08	3,664086E+08	3,663993E+08	4,950384E+08	7,170435E+08	9,689867E+08	1,183352E+09	1,306646E+09	1,306659E+09	1,183390E+09	9,690362E+08
-2134	7,170830E+08	4,950560E+08	3,664010E+08	3,664060E+08	4,950651E+08	7,170851E+08	9,690304E+08	1,183382E+09	1,306654E+09	1,306653E+09	1,183369E+09	9,689916E+08
-2133	7,170306E+08	4,950136E+08	3,663666E+08	3,663725E+08	4,950287E+08	7,170520E+08	9,690081E+08	1,183371E+09	1,306648E+09	1,306651E+09	1,183381E+09	9,690223E+08
-2132	7,170679E+08	4,950433E+08	3,663767E+08	3,663693E+08	4,950267E+08	7,170569E+08	9,690168E+08	1,183381E+09	1,306660E+09	1,306666E+09	1,183404E+09	9,690443E+08
-2131	7,170606E+08	4,950124E+08	3,663495E+08	3,663536E+08	4,950227E+08	7,170696E+08	9,690506E+08	1,183428E+09	1,306699E+09	1,306675E+09	1,183369E+09	9,689893E+08
-2130	7,170253E+08	4,949922E+08	3,663296E+08	3,663257E+08	4,949837E+08	7,170243E+08	9,690100E+08	1,183401E+09	1,306696E+09	1,306698E+09	1,183408E+09	9,690289E+08
-2129	7,170604E+08	4,950201E+08	3,663447E+08	3,663405E+08	4,950083E+08	7,170508E+08	9,690258E+08	1,183409E+09	1,306703E+09	1,306710E+09	1,183422E+09	9,690247E+08
-2128	7,170248E+08	4,949777E+08	3,663140E+08	3,663189E+08	4,949924E+08	7,170463E+08	9,690343E+08	1,183422E+09	1,306711E+09	1,306700E+09	1,183396E+09	9,690082E+08
-2127	7,170267E+08	4,949859E+08	3,663209E+08	3,663171E+08	4,949795E+08	7,170210E+08	9,690009E+08	1,183391E+09	1,306697E+09	1,306709E+09	1,183428E+09	9,690526E+08
-2126	7,170702E+08	4,950099E+08	3,663331E+08	3,663366E+08	4,950128E+08	7,170632E+08	9,690412E+08	1,183416E+09	1,306696E+09	1,306691E+09	1,183400E+09	9,690095E+08
-2125	7,170250E+08	4,949830E+08	3,663205E+08	3,663253E+08	4,949926E+08	7,170371E+08	9,690190E+08	1,183402E+09	1,306680E+09	1,306667E+09	1,183378E+09	9,690111E+08
-2124	7,170531E+08	4,950292E+08	3,663630E+08	3,663534E+08	4,950073E+08	7,170360E+08	9,690017E+08	1,183378E+09	1,306666E+09	1,306671E+09	1,183399E+09	9,690401E+08
-2123	7,170683E+08	4,950295E+08	3,663721E+08	3,663784E+08	4,950428E+08	7,170739E+08	9,690340E+08	1,183398E+09	1,306671E+09	1,306657E+09	1,183358E+09	9,689800E+08
-2122	7,170282E+08	4,950177E+08	3,663743E+08	3,663785E+08	4,950314E+08	7,170516E+08	9,690026E+08	1,183358E+09	1,306633E+09	1,306638E+09	1,183368E+09	9,690130E+08
-2121	7,170744E+08	4,950682E+08	3,664163E+08	3,664153E+08	4,950679E+08	7,170806E+08	9,690153E+08	1,183355E+09	1,306621E+09	1,306628E+09	1,183372E+09	9,690234E+08
-2120	7,170675E+08	4,950514E+08	3,664084E+08	3,664167E+08	4,950721E+08	7,170892E+08	9,690323E+08	1,183375E+09	1,306627E+09	1,306606E+09	1,183324E+09	9,689816E+08
-2119	7,170587E+08	4,950647E+08	3,664250E+08	3,664203E+08	4,950553E+08	7,170528E+08	9,689876E+08	1,183340E+09	1,306615E+09	1,306616E+09	1,183353E+09	9,690234E+08
-2118	7,171038E+08	4,950999E+08	3,664493E+08	3,664474E+08	4,950899E+08	7,170871E+08	9,690132E+08	1,183352E+09	1,306615E+09	1,306614E+09	1,183347E+09	9,689962E+08
-2117	7,170581E+08	4,950621E+08	3,664284E+08	3,664333E+08	4,950729E+08	7,170682E+08	9,689962E+08	1,183340E+09	1,306604E+09	1,306597E+09	1,183328E+09	9,689907E+08
-2116	7,170702E+08	4,950828E+08	3,664426E+08	3,664350E+08	4,950682E+08	7,170587E+08	9,689784E+08	1,183317E+09	1,306593E+09	1,306615E+09	1,183369E+09	9,690364E+08
-2115	7,170959E+08	4,950778E+08	3,664293E+08	3,664341E+08	4,950867E+08	7,170965E+08	9,690271E+08	1,183360E+09	1,306616E+09	1,306614E+09	1,183342E+09	9,689854E+08
-2114	7,170457E+08	4,950413E+08	3,663971E+08	3,663972E+08	4,950460E+08	7,170638E+08	9,690113E+08	1,183358E+09	1,306617E+09	1,306610E+09	1,183345E+09	9,690045E+08
-2113	7,170719E+08	4,950663E+08	3,664108E+08	3,664016E+08	4,950483E+08	7,170636E+08	9,690117E+08	1,183370E+09	1,306643E+09	1,306641E+09	1,183371E+09	9,690244E+08
-2112	7,170669E+08	4,950361E+08	3,663816E+08	3,663850E+08	4,950432E+08	7,170704E+08	9,690319E+08	1,183400E+09	1,306675E+09	1,306657E+09	1,183351E+09	9,689767E+08
-2111	7,170299E+08	4,950150E+08	3,663636E+08	3,663611E+08	4,950110E+08	7,170316E+08	9,689926E+08	1,183373E+09	1,306671E+09	1,306678E+09	1,183395E+09	9,690234E+08
-2110	7,170655E+08	4,950383E+08	3,663742E+08	3,663721E+08	4,950339E+08	7,170639E+08	9,690213E+08	1,183386E+09	1,306669E+09	1,306681E+09	1,183407E+09	9,690253E+08
-2109	7,170370E+08	4,949989E+08	3,663458E+08	3,663530E+08	4,950174E+08	7,170546E+08	9,690237E+08	1,183393E+09	1,306666E+09	1,306656E+09	1,183369E+09	9,690027E+08
-2108	7,170421E+08	4,950162E+08	3,663586E+08	3,663532E+08	4,950067E+08	7,170334E+08	9,689949E+08	1,183365E+09	1,306652E+09	1,306663E+09	1,183397E+09	9,690432E+08
-2107	7,170843E+08	4,950420E+08	3,663735E+08	3,663735E+08	4,950370E+08	7,170697E+08	9,690298E+08	1,183391E+09	1,306663E+09	1,306657E+09	1,183369E+09	9,689940E+08
-2106	7,170362E+08	4,950176E+08	3,663659E+08	3,663676E+08	4,950236E+08	7,170508E+08	9,690101E+08	1,183372E+09	1,306640E+09	1,306628E+09	1,183347E+09	9,689917E+08
-2105	7,170541E+08	4,950546E+08	3,664074E+08	3,664020E+08	4,950470E+08	7,170545E+08	9,689929E+08	1,183348E+09	1,306627E+09	1,306633E+09	1,183368E+09	9,690256E+08
-2104	7,170777E+08	4,950563E+08	3,664110E+08	3,664202E+08	4,950769E+08	7,170902E+08	9,690247E+08	1,183363E+09	1,306624E+09	1,306616E+09	1,183333E+09	9,689755E+08
-2103	7,170436E+08	4,950488E+08	3,664151E+08	3,664193E+08	4,950623E+08	7,170640E+08	9,689955E+08	1,183337E+09	1,306600E+09	1,306598E+09	1,183339E+09	9,690066E+08
-2102	7,170897E+08	4,950979E+08	3,664538E+08	3,664502E+08	4,950912E+08	7,170886E+08	9,690102E+08	1,183339E+09	1,306593E+09	1,306593E+09	1,183344E+09	9,690148E+08
-2101	7,170827E+08	4,950840E+08	3,664513E+08	3,664569E+08	4,950952E+08	7,170879E+08	9,690104E+08	1,183342E+09	1,306591E+09	1,306571E+09	1,183296E+09	9,689696E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-2100	7,170708E+08	4,950980E+08	3,664689E+08	3,664629E+08	4,950852E+08	7,170594E+08	9,689677E+08	1,183300E+09	1,306567E+09	1,306579E+09	1,183332E+09	9,690145E+08
-2099	7,171123E+08	4,951264E+08	3,664869E+08	3,664852E+08	4,951187E+08	7,170978E+08	9,689983E+08	1,183316E+09	1,306573E+09	1,306581E+09	1,183328E+09	9,689901E+08
-2098	7,170687E+08	4,950887E+08	3,664640E+08	3,664680E+08	4,951024E+08	7,170890E+08	9,689974E+08	1,183313E+09	1,306558E+09	1,306551E+09	1,183298E+09	9,689792E+08
-2097	7,170752E+08	4,951021E+08	3,664742E+08	3,664697E+08	4,950972E+08	7,170765E+08	9,689833E+08	1,183307E+09	1,306564E+09	1,306574E+09	1,183331E+09	9,690201E+08
-2096	7,171072E+08	4,951016E+08	3,664576E+08	3,664612E+08	4,951060E+08	7,171040E+08	9,690226E+08	1,183346E+09	1,306593E+09	1,306585E+09	1,183314E+09	9,689711E+08
-2095	7,170535E+08	4,950668E+08	3,664304E+08	3,664277E+08	4,950639E+08	7,170640E+08	9,689998E+08	1,183347E+09	1,306608E+09	1,306595E+09	1,183326E+09	9,689898E+08
-2094	7,170727E+08	4,950837E+08	3,664396E+08	3,664311E+08	4,950678E+08	7,170664E+08	9,689997E+08	1,183351E+09	1,306625E+09	1,306629E+09	1,183364E+09	9,690183E+08
-2093	7,170704E+08	4,950532E+08	3,664117E+08	3,664178E+08	4,950662E+08	7,170730E+08	9,690096E+08	1,183361E+09	1,306634E+09	1,306629E+09	1,183340E+09	9,689763E+08
-2092	7,170400E+08	4,950364E+08	3,663944E+08	3,663939E+08	4,950381E+08	7,170451E+08	9,689829E+08	1,183335E+09	1,306616E+09	1,306635E+09	1,183378E+09	9,690262E+08
-2091	7,170828E+08	4,950638E+08	3,664049E+08	3,664018E+08	4,950553E+08	7,170725E+08	9,690138E+08	1,183359E+09	1,306626E+09	1,306637E+09	1,183380E+09	9,690211E+08
-2090	7,170570E+08	4,950332E+08	3,663838E+08	3,663859E+08	4,950410E+08	7,170672E+08	9,690202E+08	1,183369E+09	1,306624E+09	1,306604E+09	1,183327E+09	9,689832E+08
-2089	7,170499E+08	4,950465E+08	3,664026E+08	3,663969E+08	4,950378E+08	7,170451E+08	9,689887E+08	1,183346E+09	1,306621E+09	1,306623E+09	1,183353E+09	9,690182E+08
-2088	7,170926E+08	4,950725E+08	3,664155E+08	3,664166E+08	4,950690E+08	7,170802E+08	9,690156E+08	1,183359E+09	1,306626E+09	1,306624E+09	1,183342E+09	9,689772E+08
-2087	7,170410E+08	4,950458E+08	3,664090E+08	3,664130E+08	4,950594E+08	7,170660E+08	9,690022E+08	1,183349E+09	1,306610E+09	1,306597E+09	1,183325E+09	9,689815E+08
-2086	7,170593E+08	4,950763E+08	3,664434E+08	3,664413E+08	4,950792E+08	7,170735E+08	9,689951E+08	1,183331E+09	1,306595E+09	1,306601E+09	1,183350E+09	9,690224E+08
-2085	7,170906E+08	4,950825E+08	3,664485E+08	3,664588E+08	4,951034E+08	7,170976E+08	9,690132E+08	1,183335E+09	1,306583E+09	1,306575E+09	1,183306E+09	9,689703E+08
-2084	7,170621E+08	4,950838E+08	3,664571E+08	3,664584E+08	4,950889E+08	7,170720E+08	9,689838E+08	1,183307E+09	1,306556E+09	1,306557E+09	1,183313E+09	9,690000E+08
-2083	7,171074E+08	4,951342E+08	3,664979E+08	3,664896E+08	4,951133E+08	7,170874E+08	9,689890E+08	1,183306E+09	1,306557E+09	1,306562E+09	1,183320E+09	9,690046E+08
-2082	7,170968E+08	4,951199E+08	3,664970E+08	3,664998E+08	4,951255E+08	7,170966E+08	9,689909E+08	1,183301E+09	1,306541E+09	1,306528E+09	1,183267E+09	9,689553E+08
-2081	7,170752E+08	4,951243E+08	3,665116E+08	3,665092E+08	4,951232E+08	7,170770E+08	9,689571E+08	1,183264E+09	1,306520E+09	1,306534E+09	1,183299E+09	9,690013E+08
-2080	7,171227E+08	4,951515E+08	3,665210E+08	3,665215E+08	4,951484E+08	7,171132E+08	9,689915E+08	1,183283E+09	1,306524E+09	1,306535E+09	1,183299E+09	9,689815E+08
-2079	7,170803E+08	4,951149E+08	3,664979E+08	3,665019E+08	4,951280E+08	7,171007E+08	9,689975E+08	1,183304E+09	1,306532E+09	1,306513E+09	1,183266E+09	9,689660E+08
-2078	7,170822E+08	4,951228E+08	3,665024E+08	3,664973E+08	4,951164E+08	7,170851E+08	9,689846E+08	1,183302E+09	1,306551E+09	1,306550E+09	1,183307E+09	9,690055E+08
-2077	7,171110E+08	4,951228E+08	3,664896E+08	3,664925E+08	4,951237E+08	7,171021E+08	9,690057E+08	1,183323E+09	1,306570E+09	1,306564E+09	1,183297E+09	9,689607E+08
-2076	7,170593E+08	4,950893E+08	3,664627E+08	3,664610E+08	4,950885E+08	7,170707E+08	9,689853E+08	1,183315E+09	1,306572E+09	1,306573E+09	1,183319E+09	9,689868E+08
-2075	7,170797E+08	4,951038E+08	3,664681E+08	3,664602E+08	4,950889E+08	7,170732E+08	9,689875E+08	1,183321E+09	1,306590E+09	1,306604E+09	1,183355E+09	9,690201E+08
-2074	7,170835E+08	4,950775E+08	3,664417E+08	3,664474E+08	4,950909E+08	7,170889E+08	9,690069E+08	1,183334E+09	1,306589E+09	1,306584E+09	1,183314E+09	9,689712E+08
-2073	7,170510E+08	4,950599E+08	3,664270E+08	3,664285E+08	4,950663E+08	7,170605E+08	9,689834E+08	1,183319E+09	1,306581E+09	1,306588E+09	1,183336E+09	9,690107E+08
-2072	7,170979E+08	4,950935E+08	3,664390E+08	3,664340E+08	4,950774E+08	7,170798E+08	9,690053E+08	1,183337E+09	1,306594E+09	1,306599E+09	1,183346E+09	9,690045E+08
-2071	7,170670E+08	4,950654E+08	3,664260E+08	3,664265E+08	4,950672E+08	7,170712E+08	9,690097E+08	1,183354E+09	1,306603E+09	1,306575E+09	1,183298E+09	9,689641E+08
-2070	7,170507E+08	4,950684E+08	3,664392E+08	3,664367E+08	4,950675E+08	7,170551E+08	9,689790E+08	1,183325E+09	1,306596E+09	1,306599E+09	1,183335E+09	9,690048E+08
-2069	7,170935E+08	4,950947E+08	3,664539E+08	3,664584E+08	4,951000E+08	7,170898E+08	9,689988E+08	1,183321E+09	1,306581E+09	1,306588E+09	1,183325E+09	9,689744E+08
-2068	7,170535E+08	4,950736E+08	3,664475E+08	3,664531E+08	4,950910E+08	7,170813E+08	9,689945E+08	1,183312E+09	1,306556E+09	1,306553E+09	1,183305E+09	9,689807E+08
-2067	7,170777E+08	4,951080E+08	3,664810E+08	3,664765E+08	4,951021E+08	7,170797E+08	9,689849E+08	1,183304E+09	1,306554E+09	1,306560E+09	1,183323E+09	9,690182E+08
-2066	7,171124E+08	4,951228E+08	3,664934E+08	3,664983E+08	4,951302E+08	7,171063E+08	9,689998E+08	1,183304E+09	1,306539E+09	1,306525E+09	1,183268E+09	9,689553E+08
-2065	7,170744E+08	4,951200E+08	3,665066E+08	3,665074E+08	4,951230E+08	7,170808E+08	9,689680E+08	1,183275E+09	1,306517E+09	1,306513E+09	1,183272E+09	9,689807E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2064	7,171194E+08	4,951678E+08	3,665427E+08	3,665356E+08	4,951475E+08	7,170969E+08	9,689687E+08	1,183264E+09	1,306509E+09	1,306523E+09	1,183295E+09	9,689925E+08
-2063	7,171045E+08	4,951497E+08	3,665406E+08	3,665456E+08	4,951614E+08	7,171120E+08	9,689842E+08	1,183276E+09	1,306502E+09	1,306487E+09	1,183240E+09	9,689442E+08
-2062	7,170788E+08	4,951433E+08	3,665435E+08	3,665455E+08	4,951543E+08	7,170975E+08	9,689637E+08	1,183253E+09	1,306490E+09	1,306498E+09	1,183273E+09	9,689905E+08
-2061	7,171279E+08	4,951725E+08	3,665520E+08	3,665534E+08	4,951716E+08	7,171229E+08	9,689877E+08	1,183267E+09	1,306494E+09	1,306499E+09	1,183271E+09	9,689717E+08
-2060	7,170911E+08	4,951410E+08	3,665297E+08	3,665316E+08	4,951488E+08	7,171090E+08	9,689934E+08	1,183286E+09	1,306506E+09	1,306488E+09	1,183247E+09	9,689558E+08
-2059	7,170905E+08	4,951469E+08	3,665329E+08	3,665253E+08	4,951315E+08	7,170830E+08	9,689702E+08	1,183283E+09	1,306533E+09	1,306536E+09	1,183296E+09	9,690000E+08
-2058	7,171192E+08	4,951474E+08	3,665214E+08	3,665238E+08	4,951471E+08	7,171079E+08	9,689875E+08	1,183289E+09	1,306534E+09	1,306534E+09	1,183282E+09	9,689560E+08
-2057	7,170642E+08	4,951095E+08	3,664947E+08	3,664964E+08	4,951175E+08	7,170831E+08	9,689748E+08	1,183285E+09	1,306531E+09	1,306534E+09	1,183293E+09	9,689835E+08
-2056	7,170946E+08	4,951275E+08	3,664968E+08	3,664896E+08	4,951109E+08	7,170812E+08	9,689765E+08	1,183289E+09	1,306543E+09	1,306561E+09	1,183330E+09	9,690170E+08
-2055	7,170990E+08	4,951065E+08	3,664756E+08	3,664794E+08	4,951120E+08	7,170941E+08	9,690025E+08	1,183321E+09	1,306559E+09	1,306541E+09	1,183279E+09	9,689579E+08
-2054	7,170599E+08	4,950856E+08	3,664603E+08	3,664608E+08	4,950886E+08	7,170689E+08	9,689808E+08	1,183308E+09	1,306561E+09	1,306557E+09	1,183305E+09	9,689908E+08
-2053	7,171002E+08	4,951198E+08	3,664778E+08	3,664721E+08	4,951015E+08	7,170814E+08	9,689866E+08	1,183308E+09	1,306562E+09	1,306567E+09	1,183319E+09	9,689881E+08
-2052	7,170717E+08	4,950921E+08	3,664651E+08	3,664682E+08	4,951008E+08	7,170850E+08	9,689975E+08	1,183319E+09	1,306562E+09	1,306546E+09	1,183282E+09	9,689557E+08
-2051	7,170568E+08	4,950928E+08	3,664749E+08	3,664746E+08	4,950968E+08	7,170678E+08	9,689709E+08	1,183297E+09	1,306559E+09	1,306568E+09	1,183321E+09	9,690042E+08
-2050	7,171058E+08	4,951226E+08	3,664908E+08	3,664966E+08	4,951318E+08	7,171074E+08	9,689938E+08	1,183292E+09	1,306533E+09	1,306539E+09	1,183296E+09	9,689699E+08
-2049	7,170683E+08	4,951050E+08	3,664893E+08	3,664959E+08	4,951238E+08	7,170962E+08	9,689901E+08	1,183291E+09	1,306519E+09	1,306505E+09	1,183263E+09	9,689691E+08
-2048	7,170977E+08	4,951459E+08	3,665247E+08	3,665166E+08	4,951275E+08	7,170833E+08	9,689675E+08	1,183271E+09	1,306514E+09	1,306520E+09	1,183292E+09	9,690052E+08
-2047	7,171259E+08	4,951617E+08	3,665434E+08	3,665459E+08	4,951602E+08	7,171087E+08	9,689828E+08	1,183279E+09	1,306505E+09	1,306488E+09	1,183238E+09	9,689396E+08
-2046	7,170793E+08	4,951475E+08	3,665489E+08	3,665532E+08	4,951591E+08	7,170948E+08	9,689557E+08	1,183245E+09	1,306479E+09	1,306478E+09	1,183247E+09	9,689676E+08
-2045	7,171217E+08	4,951919E+08	3,665822E+08	3,665782E+08	4,951811E+08	7,171106E+08	9,689549E+08	1,183225E+09	1,306457E+09	1,306476E+09	1,183267E+09	9,689872E+08
-2044	7,171164E+08	4,951761E+08	3,665763E+08	3,665836E+08	4,951936E+08	7,171311E+08	9,689833E+08	1,183246E+09	1,306453E+09	1,306443E+09	1,183215E+09	9,689384E+08
-2043	7,170925E+08	4,951702E+08	3,665749E+08	3,665749E+08	4,951740E+08	7,171051E+08	9,689614E+08	1,183240E+09	1,306464E+09	1,306466E+09	1,183247E+09	9,689816E+08
-2042	7,171397E+08	4,952026E+08	3,665869E+08	3,665846E+08	4,951933E+08	7,171301E+08	9,689790E+08	1,183248E+09	1,306467E+09	1,306465E+09	1,183242E+09	9,689583E+08
-2041	7,170978E+08	4,951679E+08	3,665673E+08	3,665690E+08	4,951749E+08	7,171152E+08	9,689812E+08	1,183266E+09	1,306484E+09	1,306462E+09	1,183219E+09	9,689429E+08
-2040	7,170984E+08	4,951707E+08	3,665648E+08	3,665576E+08	4,951550E+08	7,170875E+08	9,689518E+08	1,183250E+09	1,306500E+09	1,306513E+09	1,183284E+09	9,689970E+08
-2039	7,171271E+08	4,951712E+08	3,665544E+08	3,665575E+08	4,951716E+08	7,171159E+08	9,689809E+08	1,183271E+09	1,306503E+09	1,306502E+09	1,183263E+09	9,689535E+08
-2038	7,170710E+08	4,951262E+08	3,665198E+08	3,665247E+08	4,951413E+08	7,170962E+08	9,689752E+08	1,183271E+09	1,306503E+09	1,306500E+09	1,183267E+09	9,689750E+08
-2037	7,171014E+08	4,951493E+08	3,665263E+08	3,665182E+08	4,951307E+08	7,170861E+08	9,689659E+08	1,183265E+09	1,306509E+09	1,306521E+09	1,183300E+09	9,690071E+08
-2036	7,171108E+08	4,951350E+08	3,665104E+08	3,665119E+08	4,951347E+08	7,171012E+08	9,689928E+08	1,183295E+09	1,306526E+09	1,306511E+09	1,183254E+09	9,689431E+08
-2035	7,170654E+08	4,951112E+08	3,664950E+08	3,664945E+08	4,951101E+08	7,170708E+08	9,689661E+08	1,183285E+09	1,306536E+09	1,306536E+09	1,183287E+09	9,689794E+08
-2034	7,171031E+08	4,951446E+08	3,665143E+08	3,665110E+08	4,951346E+08	7,170952E+08	9,689713E+08	1,183271E+09	1,306520E+09	1,306530E+09	1,183295E+09	9,689799E+08
-2033	7,170774E+08	4,951161E+08	3,665028E+08	3,665100E+08	4,951366E+08	7,171042E+08	9,689915E+08	1,183289E+09	1,306518E+09	1,306501E+09	1,183250E+09	9,689505E+08
-2032	7,170731E+08	4,951212E+08	3,665102E+08	3,665105E+08	4,951241E+08	7,170789E+08	9,689620E+08	1,183266E+09	1,306512E+09	1,306522E+09	1,183293E+09	9,690018E+08
-2031	7,171248E+08	4,951588E+08	3,665337E+08	3,665363E+08	4,951570E+08	7,171125E+08	9,689872E+08	1,183277E+09	1,306499E+09	1,306492E+09	1,183258E+09	9,689585E+08
-2030	7,170810E+08	4,951379E+08	3,665324E+08	3,665378E+08	4,951524E+08	7,171041E+08	9,689801E+08	1,183270E+09	1,306490E+09	1,306469E+09	1,183230E+09	9,689511E+08
-2029	7,171045E+08	4,951795E+08	3,665723E+08	3,665630E+08	4,951587E+08	7,170873E+08	9,689435E+08	1,183230E+09	1,306470E+09	1,306481E+09	1,183263E+09	9,689927E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-2028	7,171353E+08	4,951941E+08	3,665888E+08	3,665932E+08	4,951987E+08	7,171258E+08	9,689691E+08	1,183235E+09	1,306454E+09	1,306451E+09	1,183216E+09	9,689303E+08
-2027	7,170878E+08	4,951753E+08	3,665878E+08	3,665935E+08	4,951911E+08	7,171112E+08	9,689519E+08	1,183219E+09	1,306440E+09	1,306441E+09	1,183225E+09	9,689625E+08
-2026	7,171325E+08	4,952191E+08	3,666182E+08	3,666160E+08	4,952142E+08	7,171298E+08	9,689534E+08	1,183202E+09	1,306416E+09	1,306427E+09	1,183231E+09	9,689766E+08
-2025	7,171285E+08	4,952053E+08	3,666140E+08	3,666211E+08	4,952230E+08	7,171462E+08	9,689837E+08	1,183235E+09	1,306428E+09	1,306403E+09	1,183176E+09	9,689250E+08
-2024	7,171069E+08	4,952010E+08	3,666113E+08	3,666074E+08	4,951934E+08	7,171064E+08	9,689479E+08	1,183219E+09	1,306441E+09	1,306443E+09	1,183227E+09	9,689714E+08
-2023	7,171472E+08	4,952310E+08	3,666260E+08	3,666215E+08	4,952144E+08	7,171281E+08	9,689636E+08	1,183230E+09	1,306445E+09	1,306443E+09	1,183224E+09	9,689497E+08
-2022	7,171004E+08	4,951868E+08	3,665987E+08	3,666033E+08	4,952018E+08	7,171239E+08	9,689674E+08	1,183238E+09	1,306456E+09	1,306442E+09	1,183207E+09	9,689382E+08
-2021	7,171019E+08	4,951898E+08	3,665948E+08	3,665881E+08	4,951777E+08	7,170933E+08	9,689333E+08	1,183209E+09	1,306451E+09	1,306473E+09	1,183264E+09	9,689972E+08
-2020	7,171406E+08	4,951942E+08	3,665831E+08	3,665862E+08	4,951948E+08	7,171270E+08	9,689729E+08	1,183237E+09	1,306456E+09	1,306462E+09	1,183238E+09	9,689478E+08
-2019	7,170852E+08	4,951523E+08	3,665492E+08	3,665510E+08	4,951585E+08	7,171010E+08	9,689689E+08	1,183254E+09	1,306476E+09	1,306465E+09	1,183238E+09	9,689638E+08
-2018	7,171106E+08	4,951765E+08	3,665601E+08	3,665508E+08	4,951555E+08	7,170942E+08	9,689546E+08	1,183241E+09	1,306476E+09	1,306481E+09	1,183263E+09	9,689890E+08
-2017	7,171155E+08	4,951610E+08	3,665490E+08	3,665523E+08	4,951669E+08	7,171148E+08	9,689846E+08	1,183272E+09	1,306496E+09	1,306477E+09	1,183222E+09	9,689284E+08
-2016	7,170717E+08	4,951351E+08	3,665297E+08	3,665307E+08	4,951390E+08	7,170827E+08	9,689549E+08	1,183254E+09	1,306500E+09	1,306507E+09	1,183271E+09	9,689737E+08
-2015	7,171089E+08	4,951685E+08	3,665510E+08	3,665489E+08	4,951630E+08	7,171086E+08	9,689722E+08	1,183257E+09	1,306487E+09	1,306493E+09	1,183270E+09	9,689748E+08
-2014	7,170862E+08	4,951380E+08	3,665351E+08	3,665450E+08	4,951655E+08	7,171201E+08	9,689927E+08	1,183276E+09	1,306491E+09	1,306468E+09	1,183222E+09	9,689406E+08
-2013	7,170837E+08	4,951511E+08	3,665488E+08	3,665458E+08	4,951475E+08	7,170834E+08	9,689470E+08	1,183238E+09	1,306475E+09	1,306481E+09	1,183261E+09	9,689930E+08
-2012	7,171415E+08	4,951951E+08	3,665786E+08	3,665777E+08	4,951845E+08	7,171179E+08	9,689695E+08	1,183241E+09	1,306461E+09	1,306461E+09	1,183233E+09	9,689466E+08
-2011	7,170929E+08	4,951719E+08	3,665776E+08	3,665814E+08	4,951813E+08	7,171075E+08	9,689593E+08	1,183235E+09	1,306453E+09	1,306439E+09	1,183208E+09	9,689421E+08
-2010	7,171133E+08	4,952105E+08	3,666163E+08	3,666102E+08	4,951988E+08	7,171042E+08	9,689256E+08	1,183185E+09	1,306414E+09	1,306431E+09	1,183232E+09	9,689841E+08
-2009	7,171464E+08	4,952243E+08	3,666326E+08	3,666398E+08	4,952384E+08	7,171485E+08	9,689655E+08	1,183203E+09	1,306403E+09	1,306396E+09	1,183177E+09	9,689220E+08
-2008	7,171040E+08	4,952060E+08	3,666260E+08	3,666307E+08	4,952192E+08	7,171243E+08	9,689472E+08	1,183194E+09	1,306397E+09	1,306396E+09	1,183193E+09	9,689538E+08
-2007	7,171462E+08	4,952522E+08	3,666601E+08	3,666541E+08	4,952378E+08	7,171368E+08	9,689526E+08	1,183196E+09	1,306393E+09	1,306389E+09	1,183195E+09	9,689604E+08
-2006	7,171361E+08	4,952322E+08	3,666516E+08	3,666578E+08	4,952479E+08	7,171527E+08	9,689749E+08	1,183220E+09	1,306412E+09	1,306383E+09	1,183151E+09	9,689072E+08
-2005	7,171084E+08	4,952258E+08	3,666488E+08	3,666438E+08	4,952179E+08	7,171080E+08	9,689250E+08	1,183183E+09	1,306407E+09	1,306418E+09	1,183211E+09	9,689658E+08
-2004	7,171551E+08	4,952543E+08	3,666602E+08	3,666568E+08	4,952427E+08	7,171392E+08	9,689482E+08	1,183189E+09	1,306403E+09	1,306419E+09	1,183214E+09	9,689485E+08
-2003	7,171095E+08	4,952065E+08	3,666268E+08	3,666319E+08	4,952233E+08	7,171330E+08	9,689605E+08	1,183213E+09	1,306419E+09	1,306410E+09	1,183191E+09	9,689385E+08
-2002	7,171140E+08	4,952112E+08	3,666219E+08	3,666172E+08	4,952039E+08	7,171071E+08	9,689274E+08	1,183183E+09	1,306408E+09	1,306426E+09	1,183230E+09	9,689880E+08
-2001	7,171539E+08	4,952209E+08	3,666156E+08	3,666170E+08	4,952188E+08	7,171393E+08	9,689706E+08	1,183221E+09	1,306427E+09	1,306420E+09	1,183197E+09	9,689318E+08
-2000	7,170964E+08	4,951795E+08	3,665829E+08	3,665812E+08	4,951775E+08	7,171042E+08	9,689576E+08	1,183233E+09	1,306450E+09	1,306439E+09	1,183214E+09	9,689487E+08
-1999	7,171137E+08	4,952006E+08	3,665975E+08	3,665880E+08	4,951799E+08	7,170994E+08	9,689469E+08	1,183227E+09	1,306453E+09	1,306454E+09	1,183238E+09	9,689738E+08
-1998	7,171148E+08	4,951779E+08	3,665803E+08	3,665881E+08	4,951977E+08	7,171307E+08	9,689793E+08	1,183250E+09	1,306468E+09	1,306453E+09	1,183204E+09	9,689195E+08
-1997	7,170748E+08	4,951554E+08	3,665621E+08	3,665635E+08	4,951641E+08	7,170929E+08	9,689436E+08	1,183221E+09	1,306455E+09	1,306468E+09	1,183249E+09	9,689738E+08
-1996	7,171256E+08	4,951959E+08	3,665854E+08	3,665820E+08	4,951873E+08	7,171187E+08	9,689633E+08	1,183226E+09	1,306446E+09	1,306456E+09	1,183245E+09	9,689699E+08
-1995	7,171048E+08	4,951715E+08	3,665740E+08	3,665790E+08	4,951857E+08	7,171220E+08	9,689796E+08	1,183253E+09	1,306461E+09	1,306435E+09	1,183196E+09	9,689320E+08
-1994	7,170994E+08	4,951873E+08	3,665942E+08	3,665899E+08	4,951794E+08	7,170897E+08	9,689250E+08	1,183198E+09	1,306430E+09	1,306437E+09	1,183224E+09	9,689774E+08
-1993	7,171535E+08	4,952310E+08	3,666285E+08	3,666285E+08	4,952240E+08	7,171328E+08	9,689539E+08	1,183203E+09	1,306415E+09	1,306416E+09	1,183198E+09	9,689338E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1992	7,171051E+08	4,952049E+08	3,666237E+08	3,666284E+08	4,952185E+08	7,171242E+08	9,689475E+08	1,183197E+09	1,306402E+09	1,306396E+09	1,183183E+09	9,689346E+08
-1991	7,171227E+08	4,952396E+08	3,666603E+08	3,666555E+08	4,952332E+08	7,171229E+08	9,689299E+08	1,183169E+09	1,306372E+09	1,306381E+09	1,183194E+09	9,689706E+08
-1990	7,171549E+08	4,952495E+08	3,666698E+08	3,666798E+08	4,952718E+08	7,171690E+08	9,689704E+08	1,183192E+09	1,306376E+09	1,306359E+09	1,183144E+09	9,689058E+08
-1989	7,171119E+08	4,952360E+08	3,666655E+08	3,666660E+08	4,952421E+08	7,171302E+08	9,689360E+08	1,183170E+09	1,306366E+09	1,306362E+09	1,183164E+09	9,689416E+08
-1988	7,171564E+08	4,952814E+08	3,666998E+08	3,666913E+08	4,952618E+08	7,171408E+08	9,689358E+08	1,183165E+09	1,306365E+09	1,306371E+09	1,183177E+09	9,689496E+08
-1987	7,171443E+08	4,952582E+08	3,666882E+08	3,666937E+08	4,952713E+08	7,171541E+08	9,689546E+08	1,183189E+09	1,306383E+09	1,306365E+09	1,183143E+09	9,689054E+08
-1986	7,171172E+08	4,952480E+08	3,666811E+08	3,666800E+08	4,952490E+08	7,171189E+08	9,689055E+08	1,183138E+09	1,306355E+09	1,306376E+09	1,183189E+09	9,689643E+08
-1985	7,171687E+08	4,952785E+08	3,666928E+08	3,666907E+08	4,952707E+08	7,171545E+08	9,689429E+08	1,183159E+09	1,306354E+09	1,306367E+09	1,183181E+09	9,689456E+08
-1984	7,171275E+08	4,952332E+08	3,666573E+08	3,666597E+08	4,952422E+08	7,171396E+08	9,689533E+08	1,183189E+09	1,306379E+09	1,306366E+09	1,183161E+09	9,689288E+08
-1983	7,171260E+08	4,952392E+08	3,666571E+08	3,666482E+08	4,952218E+08	7,171127E+08	9,689286E+08	1,183177E+09	1,306383E+09	1,306386E+09	1,183190E+09	9,689655E+08
-1982	7,171567E+08	4,952431E+08	3,666487E+08	3,666507E+08	4,952437E+08	7,171495E+08	9,689668E+08	1,183209E+09	1,306412E+09	1,306400E+09	1,183171E+09	9,689087E+08
-1981	7,170936E+08	4,952004E+08	3,666164E+08	3,666147E+08	4,952023E+08	7,171117E+08	9,689437E+08	1,183205E+09	1,306420E+09	1,306416E+09	1,183197E+09	9,689391E+08
-1980	7,171169E+08	4,952189E+08	3,666287E+08	3,666218E+08	4,952082E+08	7,171144E+08	9,689393E+08	1,183197E+09	1,306421E+09	1,306435E+09	1,183227E+09	9,689699E+08
-1979	7,171232E+08	4,951974E+08	3,666091E+08	3,666177E+08	4,952196E+08	7,171402E+08	9,689757E+08	1,183232E+09	1,306440E+09	1,306427E+09	1,183191E+09	9,689204E+08
-1978	7,170895E+08	4,951800E+08	3,665937E+08	3,665971E+08	4,951914E+08	7,171031E+08	9,689332E+08	1,183193E+09	1,306414E+09	1,306424E+09	1,183218E+09	9,689677E+08
-1977	7,171452E+08	4,952308E+08	3,666272E+08	3,666203E+08	4,952131E+08	7,171267E+08	9,689525E+08	1,183200E+09	1,306408E+09	1,306412E+09	1,183210E+09	9,689589E+08
-1976	7,171219E+08	4,952076E+08	3,666196E+08	3,666209E+08	4,952113E+08	7,171234E+08	9,689579E+08	1,183216E+09	1,306420E+09	1,306400E+09	1,183171E+09	9,689202E+08
-1975	7,171094E+08	4,952214E+08	3,666436E+08	3,666391E+08	4,952136E+08	7,171007E+08	9,689137E+08	1,183168E+09	1,306385E+09	1,306394E+09	1,183192E+09	9,689614E+08
-1974	7,171588E+08	4,952574E+08	3,666707E+08	3,666752E+08	4,952641E+08	7,171551E+08	9,689480E+08	1,183170E+09	1,306368E+09	1,306372E+09	1,183166E+09	9,689182E+08
-1973	7,171111E+08	4,952325E+08	3,666643E+08	3,666695E+08	4,952510E+08	7,171406E+08	9,689408E+08	1,183163E+09	1,306350E+09	1,306344E+09	1,183149E+09	9,689264E+08
-1972	7,171374E+08	4,952692E+08	3,666997E+08	3,666947E+08	4,952629E+08	7,171372E+08	9,689249E+08	1,183144E+09	1,306335E+09	1,306343E+09	1,183162E+09	9,689565E+08
-1971	7,171678E+08	4,952811E+08	3,667096E+08	3,667157E+08	4,952935E+08	7,171727E+08	9,689611E+08	1,183175E+09	1,306352E+09	1,306333E+09	1,183121E+09	9,688955E+08
-1970	7,171232E+08	4,952663E+08	3,667065E+08	3,667078E+08	4,952723E+08	7,171355E+08	9,689160E+08	1,183136E+09	1,306329E+09	1,306329E+09	1,183139E+09	9,689311E+08
-1969	7,171680E+08	4,953121E+08	3,667416E+08	3,667333E+08	4,952931E+08	7,171513E+08	9,689207E+08	1,183130E+09	1,306324E+09	1,306334E+09	1,183155E+09	9,689447E+08
-1968	7,171569E+08	4,952855E+08	3,667249E+08	3,667299E+08	4,952978E+08	7,171635E+08	9,689410E+08	1,183153E+09	1,306338E+09	1,306330E+09	1,183127E+09	9,689045E+08
-1967	7,171295E+08	4,952732E+08	3,667160E+08	3,667149E+08	4,952739E+08	7,171322E+08	9,689085E+08	1,183123E+09	1,306315E+09	1,306329E+09	1,183155E+09	9,689524E+08
-1966	7,171778E+08	4,953003E+08	3,667220E+08	3,667215E+08	4,952959E+08	7,171692E+08	9,689450E+08	1,183148E+09	1,306329E+09	1,306331E+09	1,183148E+09	9,689261E+08
-1965	7,171325E+08	4,952589E+08	3,666901E+08	3,666886E+08	4,952603E+08	7,171438E+08	9,689444E+08	1,183169E+09	1,306352E+09	1,306335E+09	1,183133E+09	9,689134E+08
-1964	7,171309E+08	4,952615E+08	3,666904E+08	3,666813E+08	4,952441E+08	7,171176E+08	9,689153E+08	1,183154E+09	1,306364E+09	1,306373E+09	1,183172E+09	9,689489E+08
-1963	7,171573E+08	4,952622E+08	3,666795E+08	3,666828E+08	4,952665E+08	7,171549E+08	9,689541E+08	1,183187E+09	1,306389E+09	1,306386E+09	1,183166E+09	9,689065E+08
-1962	7,170992E+08	4,952179E+08	3,666449E+08	3,666486E+08	4,952321E+08	7,171242E+08	9,689305E+08	1,183169E+09	1,306375E+09	1,306380E+09	1,183179E+09	9,689388E+08
-1961	7,171307E+08	4,952425E+08	3,666597E+08	3,666539E+08	4,952336E+08	7,171280E+08	9,689356E+08	1,183171E+09	1,306377E+09	1,306388E+09	1,183200E+09	9,689697E+08
-1960	7,171437E+08	4,952283E+08	3,666437E+08	3,666488E+08	4,952388E+08	7,171436E+08	9,689641E+08	1,183206E+09	1,306401E+09	1,306387E+09	1,183166E+09	9,689154E+08
-1959	7,171070E+08	4,952149E+08	3,666365E+08	3,666356E+08	4,952136E+08	7,171076E+08	9,689264E+08	1,183174E+09	1,306377E+09	1,306378E+09	1,183177E+09	9,689479E+08
-1958	7,171537E+08	4,952617E+08	3,666709E+08	3,666653E+08	4,952462E+08	7,171376E+08	9,689400E+08	1,183172E+09	1,306374E+09	1,306378E+09	1,183179E+09	9,689371E+08
-1957	7,171255E+08	4,952389E+08	3,666649E+08	3,666666E+08	4,952460E+08	7,171358E+08	9,689411E+08	1,183174E+09	1,306369E+09	1,306357E+09	1,183145E+09	9,689085E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1956	7,171161E+08	4,952478E+08	3,666852E+08	3,666840E+08	4,952508E+08	7,171212E+08	9,689073E+08	1,183134E+09	1,306341E+09	1,306356E+09	1,183164E+09	9,689486E+08
-1955	7,171671E+08	4,952834E+08	3,667081E+08	3,667143E+08	4,952947E+08	7,171715E+08	9,689488E+08	1,183153E+09	1,306335E+09	1,306335E+09	1,183141E+09	9,689119E+08
-1954	7,171251E+08	4,952609E+08	3,667015E+08	3,667092E+08	4,952826E+08	7,171537E+08	9,689336E+08	1,183139E+09	1,306312E+09	1,306299E+09	1,183113E+09	9,689141E+08
-1953	7,171536E+08	4,953040E+08	3,667425E+08	3,667348E+08	4,952895E+08	7,171457E+08	9,689167E+08	1,183123E+09	1,306304E+09	1,306304E+09	1,183131E+09	9,689453E+08
-1952	7,171812E+08	4,953154E+08	3,667539E+08	3,667570E+08	4,953178E+08	7,171716E+08	9,689386E+08	1,183142E+09	1,306318E+09	1,306306E+09	1,183106E+09	9,688900E+08
-1951	7,171336E+08	4,952970E+08	3,667504E+08	3,667515E+08	4,953019E+08	7,171441E+08	9,689037E+08	1,183104E+09	1,306286E+09	1,306290E+09	1,183115E+09	9,689221E+08
-1950	7,171755E+08	4,953360E+08	3,667777E+08	3,667731E+08	4,953260E+08	7,171677E+08	9,689127E+08	1,183098E+09	1,306280E+09	1,306296E+09	1,183131E+09	9,689348E+08
-1949	7,171658E+08	4,953119E+08	3,667586E+08	3,667627E+08	4,953221E+08	7,171733E+08	9,689317E+08	1,183121E+09	1,306288E+09	1,306281E+09	1,183097E+09	9,688978E+08
-1948	7,171432E+08	4,952998E+08	3,667487E+08	3,667464E+08	4,952970E+08	7,171418E+08	9,689015E+08	1,183103E+09	1,306287E+09	1,306295E+09	1,183121E+09	9,689349E+08
-1947	7,171852E+08	4,953257E+08	3,667542E+08	3,667510E+08	4,953141E+08	7,171724E+08	9,689379E+08	1,183136E+09	1,306312E+09	1,306309E+09	1,183125E+09	9,689125E+08
-1946	7,171365E+08	4,952801E+08	3,667221E+08	3,667246E+08	4,952884E+08	7,171509E+08	9,689302E+08	1,183143E+09	1,306322E+09	1,306308E+09	1,183111E+09	9,689018E+08
-1945	7,171362E+08	4,952832E+08	3,667224E+08	3,667162E+08	4,952727E+08	7,171318E+08	9,689095E+08	1,183130E+09	1,306331E+09	1,306342E+09	1,183157E+09	9,689457E+08
-1944	7,171636E+08	4,952819E+08	3,667086E+08	3,667131E+08	4,952889E+08	7,171639E+08	9,689465E+08	1,183161E+09	1,306353E+09	1,306357E+09	1,183156E+09	9,689098E+08
-1943	7,171116E+08	4,952409E+08	3,666759E+08	3,666797E+08	4,952541E+08	7,171364E+08	9,689347E+08	1,183156E+09	1,306341E+09	1,306338E+09	1,183149E+09	9,689305E+08
-1942	7,171433E+08	4,952683E+08	3,666911E+08	3,666852E+08	4,952565E+08	7,171372E+08	9,689308E+08	1,183155E+09	1,306349E+09	1,306353E+09	1,183168E+09	9,689519E+08
-1941	7,171531E+08	4,952607E+08	3,666823E+08	3,666827E+08	4,952585E+08	7,171438E+08	9,689459E+08	1,183175E+09	1,306364E+09	1,306349E+09	1,183136E+09	9,689025E+08
-1940	7,171166E+08	4,952455E+08	3,666792E+08	3,666789E+08	4,952439E+08	7,171133E+08	9,689052E+08	1,183139E+09	1,306344E+09	1,306349E+09	1,183151E+09	9,689314E+08
-1939	7,171584E+08	4,952885E+08	3,667109E+08	3,667076E+08	4,952784E+08	7,171482E+08	9,689254E+08	1,183139E+09	1,306334E+09	1,306344E+09	1,183160E+09	9,689317E+08
-1938	7,171341E+08	4,952637E+08	3,667035E+08	3,667116E+08	4,952846E+08	7,171541E+08	9,689306E+08	1,183134E+09	1,306311E+09	1,306304E+09	1,183112E+09	9,689021E+08
-1937	7,171324E+08	4,952794E+08	3,667254E+08	3,667250E+08	4,952829E+08	7,171388E+08	9,689070E+08	1,183110E+09	1,306293E+09	1,306299E+09	1,183128E+09	9,689397E+08
-1936	7,171828E+08	4,953188E+08	3,667508E+08	3,667532E+08	4,953192E+08	7,171771E+08	9,689387E+08	1,183130E+09	1,306299E+09	1,306294E+09	1,183111E+09	9,689026E+08
-1935	7,171408E+08	4,952988E+08	3,667496E+08	3,667532E+08	4,953093E+08	7,171607E+08	9,689269E+08	1,183120E+09	1,306280E+09	1,306260E+09	1,183076E+09	9,688949E+08
-1934	7,171618E+08	4,953360E+08	3,667875E+08	3,667814E+08	4,953239E+08	7,171560E+08	9,689021E+08	1,183094E+09	1,306274E+09	1,306277E+09	1,183107E+09	9,689278E+08
-1933	7,171863E+08	4,953468E+08	3,667969E+08	3,668002E+08	4,953501E+08	7,171818E+08	9,689204E+08	1,183100E+09	1,306270E+09	1,306268E+09	1,183087E+09	9,688874E+08
-1932	7,171439E+08	4,953233E+08	3,667887E+08	3,667925E+08	4,953351E+08	7,171597E+08	9,688936E+08	1,183072E+09	1,306245E+09	1,306253E+09	1,183090E+09	9,689150E+08
-1931	7,171854E+08	4,953597E+08	3,668098E+08	3,668062E+08	4,953516E+08	7,171798E+08	9,689104E+08	1,183080E+09	1,306248E+09	1,306259E+09	1,183107E+09	9,689306E+08
-1930	7,171786E+08	4,953364E+08	3,667901E+08	3,667963E+08	4,953485E+08	7,171833E+08	9,689237E+08	1,183097E+09	1,306252E+09	1,306239E+09	1,183062E+09	9,688845E+08
-1929	7,171541E+08	4,953280E+08	3,667832E+08	3,667789E+08	4,953189E+08	7,171495E+08	9,688964E+08	1,183087E+09	1,306261E+09	1,306262E+09	1,183095E+09	9,689209E+08
-1928	7,171888E+08	4,953503E+08	3,667887E+08	3,667844E+08	4,953354E+08	7,171739E+08	9,689219E+08	1,183112E+09	1,306288E+09	1,306290E+09	1,183114E+09	9,689075E+08
-1927	7,171420E+08	4,953016E+08	3,667544E+08	3,667579E+08	4,953134E+08	7,171624E+08	9,689254E+08	1,183120E+09	1,306289E+09	1,306275E+09	1,183089E+09	9,688935E+08
-1926	7,171404E+08	4,953002E+08	3,667489E+08	3,667468E+08	4,952993E+08	7,171466E+08	9,689069E+08	1,183108E+09	1,306297E+09	1,306310E+09	1,183136E+09	9,689383E+08
-1925	7,171726E+08	4,953061E+08	3,667372E+08	3,667399E+08	4,953068E+08	7,171685E+08	9,689364E+08	1,183134E+09	1,306311E+09	1,306313E+09	1,183130E+09	9,689073E+08
-1924	7,171265E+08	4,952688E+08	3,667090E+08	3,667105E+08	4,952739E+08	7,171393E+08	9,689202E+08	1,183133E+09	1,306314E+09	1,306305E+09	1,183117E+09	9,689158E+08
-1923	7,171529E+08	4,952978E+08	3,667283E+08	3,667195E+08	4,952775E+08	7,171378E+08	9,689149E+08	1,183131E+09	1,306324E+09	1,306327E+09	1,183145E+09	9,689413E+08
-1922	7,171613E+08	4,952882E+08	3,667221E+08	3,667264E+08	4,952919E+08	7,171513E+08	9,689243E+08	1,183135E+09	1,306319E+09	1,306309E+09	1,183107E+09	9,688904E+08
-1921	7,171260E+08	4,952756E+08	3,667208E+08	3,667229E+08	4,952801E+08	7,171320E+08	9,688986E+08	1,183107E+09	1,306296E+09	1,306302E+09	1,183124E+09	9,689229E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1920	7,171654E+08	4,953161E+08	3,667510E+08	3,667492E+08	4,953104E+08	7,171630E+08	9,689199E+08	1,183112E+09	1,306290E+09	1,306300E+09	1,183134E+09	9,689278E+08
-1919	7,171479E+08	4,952939E+08	3,667440E+08	3,667526E+08	4,953164E+08	7,171733E+08	9,689372E+08	1,183121E+09	1,306274E+09	1,306253E+09	1,183071E+09	9,688862E+08
-1918	7,171435E+08	4,953107E+08	3,667658E+08	3,667658E+08	4,953139E+08	7,171535E+08	9,689052E+08	1,183095E+09	1,306267E+09	1,306265E+09	1,183094E+09	9,689193E+08
-1917	7,171904E+08	4,953541E+08	3,667959E+08	3,667947E+08	4,953448E+08	7,171795E+08	9,689206E+08	1,183099E+09	1,306264E+09	1,306261E+09	1,183087E+09	9,688931E+08
-1916	7,171509E+08	4,953316E+08	3,667960E+08	3,668004E+08	4,953428E+08	7,171663E+08	9,689023E+08	1,183083E+09	1,306249E+09	1,306235E+09	1,183057E+09	9,688856E+08
-1915	7,171696E+08	4,953641E+08	3,668280E+08	3,668237E+08	4,953564E+08	7,171662E+08	9,688843E+08	1,183056E+09	1,306232E+09	1,306246E+09	1,183094E+09	9,689289E+08
-1914	7,171986E+08	4,953717E+08	3,668335E+08	3,668416E+08	4,953844E+08	7,171961E+08	9,689069E+08	1,183058E+09	1,306212E+09	1,306215E+09	1,183056E+09	9,688854E+08
-1913	7,171635E+08	4,953552E+08	3,668255E+08	3,668285E+08	4,953629E+08	7,171744E+08	9,688922E+08	1,183049E+09	1,306197E+09	1,306197E+09	1,183053E+09	9,689064E+08
-1912	7,171986E+08	4,953905E+08	3,668464E+08	3,668387E+08	4,953713E+08	7,171831E+08	9,689005E+08	1,183061E+09	1,306216E+09	1,306219E+09	1,183075E+09	9,689191E+08
-1911	7,171894E+08	4,953662E+08	3,668289E+08	3,668320E+08	4,953722E+08	7,171927E+08	9,689212E+08	1,183082E+09	1,306226E+09	1,306204E+09	1,183027E+09	9,688633E+08
-1910	7,171558E+08	4,953510E+08	3,668172E+08	3,668152E+08	4,953480E+08	7,171616E+08	9,688890E+08	1,183067E+09	1,306239E+09	1,306242E+09	1,183074E+09	9,689018E+08
-1909	7,171861E+08	4,953705E+08	3,668191E+08	3,668155E+08	4,953595E+08	7,171833E+08	9,689108E+08	1,183083E+09	1,306252E+09	1,306262E+09	1,183100E+09	9,689062E+08
-1908	7,171489E+08	4,953205E+08	3,667828E+08	3,667886E+08	4,953380E+08	7,171728E+08	9,689172E+08	1,183100E+09	1,306266E+09	1,306251E+09	1,183069E+09	9,688892E+08
-1907	7,171498E+08	4,953199E+08	3,667741E+08	3,667717E+08	4,953171E+08	7,171518E+08	9,689004E+08	1,183094E+09	1,306275E+09	1,306283E+09	1,183117E+09	9,689370E+08
-1906	7,171861E+08	4,953303E+08	3,667677E+08	3,667702E+08	4,953272E+08	7,171702E+08	9,689203E+08	1,183106E+09	1,306276E+09	1,306276E+09	1,183099E+09	9,688985E+08
-1905	7,171413E+08	4,953012E+08	3,667480E+08	3,667464E+08	4,952969E+08	7,171430E+08	9,689058E+08	1,183105E+09	1,306276E+09	1,306267E+09	1,183091E+09	9,689039E+08
-1904	7,171590E+08	4,953269E+08	3,667697E+08	3,667606E+08	4,953056E+08	7,171415E+08	9,688931E+08	1,183094E+09	1,306283E+09	1,306293E+09	1,183126E+09	9,689358E+08
-1903	7,171705E+08	4,953165E+08	3,667634E+08	3,667695E+08	4,953281E+08	7,171720E+08	9,689204E+08	1,183101E+09	1,306269E+09	1,306261E+09	1,183074E+09	9,688778E+08
-1902	7,171332E+08	4,953012E+08	3,667584E+08	3,667645E+08	4,953169E+08	7,171549E+08	9,688999E+08	1,183083E+09	1,306254E+09	1,306258E+09	1,183089E+09	9,689064E+08
-1901	7,171736E+08	4,953464E+08	3,667897E+08	3,667868E+08	4,953382E+08	7,171750E+08	9,689144E+08	1,183088E+09	1,306249E+09	1,306252E+09	1,183098E+09	9,689184E+08
-1900	7,171624E+08	4,953278E+08	3,667872E+08	3,667940E+08	4,953449E+08	7,171803E+08	9,689243E+08	1,183101E+09	1,306253E+09	1,306222E+09	1,183036E+09	9,688692E+08
-1899	7,171526E+08	4,953431E+08	3,668094E+08	3,668079E+08	4,953419E+08	7,171582E+08	9,688899E+08	1,183071E+09	1,306242E+09	1,306241E+09	1,183075E+09	9,689128E+08
-1898	7,172007E+08	4,953837E+08	3,668402E+08	3,668424E+08	4,953804E+08	7,171880E+08	9,688980E+08	1,183055E+09	1,306216E+09	1,306223E+09	1,183064E+09	9,688892E+08
-1897	7,171656E+08	4,953645E+08	3,668399E+08	3,668449E+08	4,953780E+08	7,171829E+08	9,688925E+08	1,183046E+09	1,306195E+09	1,306188E+09	1,183034E+09	9,688838E+08
-1896	7,171823E+08	4,953941E+08	3,668686E+08	3,668642E+08	4,953864E+08	7,171781E+08	9,688747E+08	1,183025E+09	1,306185E+09	1,306201E+09	1,183067E+09	9,689282E+08
-1895	7,172172E+08	4,954036E+08	3,668719E+08	3,668781E+08	4,954127E+08	7,172130E+08	9,689085E+08	1,183038E+09	1,306170E+09	1,306161E+09	1,183011E+09	9,688661E+08
-1894	7,171737E+08	4,953850E+08	3,668627E+08	3,668641E+08	4,953897E+08	7,171871E+08	9,688902E+08	1,183035E+09	1,306174E+09	1,306163E+09	1,183015E+09	9,688802E+08
-1893	7,172001E+08	4,954182E+08	3,668842E+08	3,668738E+08	4,953933E+08	7,171854E+08	9,688864E+08	1,183037E+09	1,306188E+09	1,306191E+09	1,183050E+09	9,689054E+08
-1892	7,171923E+08	4,953886E+08	3,668642E+08	3,668692E+08	4,953997E+08	7,171982E+08	9,689029E+08	1,183057E+09	1,306208E+09	1,306188E+09	1,183011E+09	9,688530E+08
-1891	7,171569E+08	4,953675E+08	3,668448E+08	3,668450E+08	4,953723E+08	7,171720E+08	9,688796E+08	1,183042E+09	1,306211E+09	1,306223E+09	1,183068E+09	9,689057E+08
-1890	7,171948E+08	4,953862E+08	3,668447E+08	3,668443E+08	4,953821E+08	7,171912E+08	9,688991E+08	1,183050E+09	1,306207E+09	1,306222E+09	1,183077E+09	9,689079E+08
-1889	7,171677E+08	4,953476E+08	3,668126E+08	3,668153E+08	4,953561E+08	7,171792E+08	9,689104E+08	1,183078E+09	1,306226E+09	1,306208E+09	1,183043E+09	9,688841E+08
-1888	7,171634E+08	4,953494E+08	3,668093E+08	3,668021E+08	4,953338E+08	7,171497E+08	9,688823E+08	1,183067E+09	1,306244E+09	1,306249E+09	1,183091E+09	9,689291E+08
-1887	7,171994E+08	4,953611E+08	3,668074E+08	3,668073E+08	4,953533E+08	7,171793E+08	9,689100E+08	1,183078E+09	1,306239E+09	1,306236E+09	1,183063E+09	9,688783E+08
-1886	7,171459E+08	4,953278E+08	3,667875E+08	3,667889E+08	4,953331E+08	7,171611E+08	9,688987E+08	1,183077E+09	1,306241E+09	1,306234E+09	1,183062E+09	9,688837E+08
-1885	7,171592E+08	4,953510E+08	3,668071E+08	3,668001E+08	4,953382E+08	7,171591E+08	9,688876E+08	1,183063E+09	1,306238E+09	1,306251E+09	1,183098E+09	9,689282E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1884	7,171788E+08	4,953406E+08	3,668002E+08	3,668095E+08	4,953617E+08	7,171900E+08	9,689185E+08	1,183085E+09	1,306241E+09	1,306225E+09	1,183043E+09	9,688667E+08
-1883	7,171426E+08	4,953267E+08	3,667925E+08	3,667984E+08	4,953434E+08	7,171680E+08	9,688992E+08	1,183071E+09	1,306232E+09	1,306229E+09	1,183065E+09	9,688991E+08
-1882	7,171850E+08	4,953738E+08	3,668286E+08	3,668252E+08	4,953638E+08	7,171802E+08	9,689000E+08	1,183060E+09	1,306215E+09	1,306217E+09	1,183068E+09	9,689089E+08
-1881	7,171793E+08	4,953649E+08	3,668338E+08	3,668375E+08	4,953729E+08	7,171848E+08	9,689069E+08	1,183069E+09	1,306213E+09	1,306189E+09	1,183017E+09	9,688624E+08
-1880	7,171637E+08	4,953767E+08	3,668562E+08	3,668537E+08	4,953727E+08	7,171609E+08	9,688626E+08	1,183026E+09	1,306195E+09	1,306206E+09	1,183058E+09	9,689138E+08
-1879	7,172172E+08	4,954168E+08	3,668853E+08	3,668872E+08	4,954164E+08	7,172067E+08	9,688880E+08	1,183012E+09	1,306156E+09	1,306168E+09	1,183029E+09	9,688803E+08
-1878	7,171809E+08	4,953970E+08	3,668826E+08	3,668885E+08	4,954134E+08	7,172022E+08	9,688888E+08	1,183015E+09	1,306143E+09	1,306134E+09	1,182993E+09	9,688660E+08
-1877	7,171942E+08	4,954272E+08	3,669090E+08	3,669017E+08	4,954126E+08	7,171875E+08	9,688661E+08	1,182997E+09	1,306139E+09	1,306147E+09	1,183025E+09	9,689124E+08
-1876	7,172295E+08	4,954364E+08	3,669143E+08	3,669181E+08	4,954403E+08	7,172197E+08	9,688962E+08	1,183021E+09	1,306151E+09	1,306131E+09	1,182974E+09	9,688440E+08
-1875	7,171769E+08	4,954106E+08	3,668999E+08	3,669008E+08	4,954159E+08	7,171944E+08	9,688796E+08	1,183017E+09	1,306156E+09	1,306148E+09	1,182999E+09	9,688686E+08
-1874	7,172008E+08	4,954358E+08	3,669177E+08	3,669115E+08	4,954227E+08	7,171953E+08	9,688717E+08	1,183005E+09	1,306153E+09	1,306165E+09	1,183033E+09	9,689008E+08
-1873	7,172013E+08	4,954109E+08	3,668962E+08	3,669021E+08	4,954259E+08	7,172120E+08	9,688987E+08	1,183032E+09	1,306168E+09	1,306157E+09	1,183000E+09	9,688543E+08
-1872	7,171662E+08	4,953875E+08	3,668734E+08	3,668736E+08	4,953923E+08	7,171783E+08	9,688714E+08	1,183019E+09	1,306177E+09	1,306191E+09	1,183051E+09	9,689096E+08
-1871	7,172133E+08	4,954119E+08	3,668743E+08	3,668708E+08	4,954020E+08	7,172030E+08	9,688971E+08	1,183029E+09	1,306172E+09	1,306180E+09	1,183042E+09	9,688943E+08
-1870	7,171800E+08	4,953758E+08	3,668472E+08	3,668470E+08	4,953781E+08	7,171869E+08	9,689031E+08	1,183058E+09	1,306199E+09	1,306177E+09	1,183009E+09	9,688618E+08
-1869	7,171680E+08	4,953767E+08	3,668465E+08	3,668376E+08	4,953571E+08	7,171526E+08	9,688646E+08	1,183035E+09	1,306207E+09	1,306216E+09	1,183065E+09	9,689162E+08
-1868	7,172053E+08	4,953856E+08	3,668453E+08	3,668479E+08	4,953857E+08	7,171896E+08	9,688933E+08	1,183050E+09	1,306212E+09	1,306208E+09	1,183039E+09	9,688652E+08
-1867	7,171486E+08	4,953471E+08	3,668195E+08	3,668242E+08	4,953641E+08	7,171794E+08	9,688966E+08	1,183054E+09	1,306207E+09	1,306203E+09	1,183044E+09	9,688809E+08
-1866	7,171673E+08	4,953696E+08	3,668391E+08	3,668355E+08	4,953662E+08	7,171729E+08	9,688835E+08	1,183037E+09	1,306193E+09	1,306204E+09	1,183066E+09	9,689215E+08
-1865	7,171966E+08	4,953722E+08	3,668377E+08	3,668436E+08	4,953848E+08	7,171995E+08	9,689143E+08	1,183064E+09	1,306202E+09	1,306183E+09	1,183015E+09	9,688573E+08
-1864	7,171560E+08	4,953607E+08	3,668362E+08	3,668372E+08	4,953654E+08	7,171678E+08	9,688808E+08	1,183044E+09	1,306201E+09	1,306198E+09	1,183040E+09	9,688929E+08
-1863	7,172026E+08	4,954103E+08	3,668754E+08	3,668688E+08	4,953945E+08	7,171898E+08	9,688832E+08	1,183022E+09	1,306171E+09	1,306177E+09	1,183035E+09	9,688923E+08
-1862	7,171902E+08	4,953991E+08	3,668816E+08	3,668865E+08	4,954116E+08	7,172008E+08	9,688926E+08	1,183031E+09	1,306167E+09	1,306150E+09	1,182987E+09	9,688472E+08
-1861	7,171729E+08	4,954087E+08	3,669013E+08	3,668998E+08	4,954084E+08	7,171763E+08	9,688505E+08	1,182985E+09	1,306138E+09	1,306154E+09	1,183027E+09	9,689080E+08
-1860	7,172321E+08	4,954477E+08	3,669280E+08	3,669317E+08	4,954513E+08	7,172210E+08	9,688803E+08	1,182990E+09	1,306121E+09	1,306121E+09	1,182991E+09	9,688654E+08
-1859	7,171917E+08	4,954259E+08	3,669208E+08	3,669260E+08	4,954423E+08	7,172169E+08	9,688878E+08	1,183000E+09	1,306115E+09	1,306099E+09	1,182962E+09	9,688522E+08
-1858	7,172013E+08	4,954528E+08	3,669481E+08	3,669406E+08	4,954382E+08	7,171941E+08	9,688546E+08	1,182971E+09	1,306105E+09	1,306112E+09	1,182992E+09	9,688950E+08
-1857	7,172382E+08	4,954664E+08	3,669551E+08	3,669576E+08	4,954673E+08	7,172270E+08	9,688841E+08	1,182994E+09	1,306116E+09	1,306105E+09	1,182960E+09	9,688350E+08
-1856	7,171808E+08	4,954339E+08	3,669364E+08	3,669381E+08	4,954425E+08	7,172006E+08	9,688617E+08	1,182984E+09	1,306123E+09	1,306125E+09	1,182991E+09	9,688718E+08
-1855	7,172133E+08	4,954576E+08	3,669483E+08	3,669430E+08	4,954499E+08	7,172132E+08	9,688677E+08	1,182973E+09	1,306108E+09	1,306123E+09	1,183008E+09	9,688955E+08
-1854	7,172153E+08	4,954353E+08	3,669268E+08	3,669328E+08	4,954499E+08	7,172247E+08	9,688970E+08	1,183011E+09	1,306131E+09	1,306117E+09	1,182970E+09	9,688432E+08
-1853	7,171796E+08	4,954147E+08	3,669046E+08	3,669014E+08	4,954091E+08	7,171805E+08	9,688601E+08	1,182995E+09	1,306140E+09	1,306148E+09	1,183018E+09	9,688989E+08
-1852	7,172262E+08	4,954406E+08	3,669107E+08	3,669048E+08	4,954228E+08	7,172027E+08	9,688811E+08	1,183012E+09	1,306154E+09	1,306152E+09	1,183012E+09	9,688755E+08
-1851	7,171840E+08	4,953996E+08	3,668815E+08	3,668817E+08	4,954038E+08	7,171952E+08	9,688925E+08	1,183035E+09	1,306174E+09	1,306157E+09	1,182993E+09	9,688502E+08
-1850	7,171682E+08	4,953939E+08	3,668795E+08	3,668747E+08	4,953867E+08	7,171656E+08	9,688540E+08	1,183003E+09	1,306166E+09	1,306182E+09	1,183042E+09	9,689067E+08
-1849	7,172141E+08	4,954098E+08	3,668795E+08	3,668833E+08	4,954148E+08	7,172076E+08	9,688940E+08	1,183026E+09	1,306169E+09	1,306171E+09	1,183021E+09	9,688615E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1848	7,171589E+08	4,953707E+08	3,668525E+08	3,668574E+08	4,953875E+08	7,171883E+08	9,688909E+08	1,183035E+09	1,306175E+09	1,306168E+09	1,183020E+09	9,688785E+08
-1847	7,171848E+08	4,953985E+08	3,668740E+08	3,668680E+08	4,953905E+08	7,171862E+08	9,688801E+08	1,183016E+09	1,306159E+09	1,306162E+09	1,183029E+09	9,689043E+08
-1846	7,172096E+08	4,954068E+08	3,668820E+08	3,668849E+08	4,954115E+08	7,172058E+08	9,689025E+08	1,183040E+09	1,306171E+09	1,306151E+09	1,182984E+09	9,688377E+08
-1845	7,171646E+08	4,953942E+08	3,668827E+08	3,668827E+08	4,953948E+08	7,171699E+08	9,688558E+08	1,183001E+09	1,306155E+09	1,306160E+09	1,183017E+09	9,688846E+08
-1844	7,172149E+08	4,954432E+08	3,669228E+08	3,669186E+08	4,954320E+08	7,171994E+08	9,688611E+08	1,182983E+09	1,306129E+09	1,306139E+09	1,183010E+09	9,688833E+08
-1843	7,172007E+08	4,954280E+08	3,669232E+08	3,669305E+08	4,954479E+08	7,172198E+08	9,688851E+08	1,182995E+09	1,306116E+09	1,306105E+09	1,182962E+09	9,688427E+08
-1842	7,171856E+08	4,954361E+08	3,669417E+08	3,669420E+08	4,954403E+08	7,171911E+08	9,688435E+08	1,182952E+09	1,306083E+09	1,306095E+09	1,182985E+09	9,688953E+08
-1841	7,172501E+08	4,954843E+08	3,669715E+08	3,669720E+08	4,954794E+08	7,172329E+08	9,688758E+08	1,182966E+09	1,306077E+09	1,306074E+09	1,182956E+09	9,688497E+08
-1840	7,172013E+08	4,954584E+08	3,669647E+08	3,669674E+08	4,954683E+08	7,172214E+08	9,688747E+08	1,182977E+09	1,306087E+09	1,306068E+09	1,182936E+09	9,688412E+08
-1839	7,172119E+08	4,954814E+08	3,669882E+08	3,669811E+08	4,954705E+08	7,172102E+08	9,688466E+08	1,182943E+09	1,306070E+09	1,306079E+09	1,182965E+09	9,688775E+08
-1838	7,172429E+08	4,954926E+08	3,669940E+08	3,669984E+08	4,955004E+08	7,172443E+08	9,688797E+08	1,182969E+09	1,306082E+09	1,306076E+09	1,182940E+09	9,688250E+08
-1837	7,171877E+08	4,954568E+08	3,669693E+08	3,669723E+08	4,954683E+08	7,172118E+08	9,688549E+08	1,182957E+09	1,306082E+09	1,306088E+09	1,182971E+09	9,688717E+08
-1836	7,172282E+08	4,954821E+08	3,669791E+08	3,669743E+08	4,954721E+08	7,172185E+08	9,688601E+08	1,182961E+09	1,306087E+09	1,306092E+09	1,182981E+09	9,688855E+08
-1835	7,172261E+08	4,954591E+08	3,669551E+08	3,669591E+08	4,954679E+08	7,172306E+08	9,688913E+08	1,182998E+09	1,306111E+09	1,306093E+09	1,182949E+09	9,688338E+08
-1834	7,171863E+08	4,954371E+08	3,669374E+08	3,669330E+08	4,954275E+08	7,171804E+08	9,688443E+08	1,182968E+09	1,306107E+09	1,306115E+09	1,182992E+09	9,688852E+08
-1833	7,172342E+08	4,954670E+08	3,669463E+08	3,669398E+08	4,954466E+08	7,172071E+08	9,688652E+08	1,182979E+09	1,306114E+09	1,306124E+09	1,182999E+09	9,688668E+08
-1832	7,171871E+08	4,954208E+08	3,669153E+08	3,669177E+08	4,954308E+08	7,172043E+08	9,688784E+08	1,183003E+09	1,306136E+09	1,306127E+09	1,182980E+09	9,688509E+08
-1831	7,171801E+08	4,954155E+08	3,669095E+08	3,669068E+08	4,954159E+08	7,171864E+08	9,688533E+08	1,182974E+09	1,306118E+09	1,306134E+09	1,183009E+09	9,688935E+08
-1830	7,172243E+08	4,954365E+08	3,669138E+08	3,669176E+08	4,954410E+08	7,172218E+08	9,688944E+08	1,183009E+09	1,306132E+09	1,306127E+09	1,182984E+09	9,688461E+08
-1829	7,171714E+08	4,954012E+08	3,668900E+08	3,668925E+08	4,954095E+08	7,171918E+08	9,688785E+08	1,183011E+09	1,306140E+09	1,306128E+09	1,182988E+09	9,688666E+08
-1828	7,171986E+08	4,954319E+08	3,669172E+08	3,669099E+08	4,954165E+08	7,171857E+08	9,688612E+08	1,182995E+09	1,306137E+09	1,306134E+09	1,183001E+09	9,688871E+08
-1827	7,172162E+08	4,954363E+08	3,669241E+08	3,669286E+08	4,954444E+08	7,172164E+08	9,688877E+08	1,183008E+09	1,306137E+09	1,306124E+09	1,182968E+09	9,688307E+08
-1826	7,171705E+08	4,954204E+08	3,669258E+08	3,669292E+08	4,954304E+08	7,171843E+08	9,688416E+08	1,182959E+09	1,306099E+09	1,306112E+09	1,182989E+09	9,688787E+08
-1825	7,172296E+08	4,954754E+08	3,669660E+08	3,669632E+08	4,954671E+08	7,172177E+08	9,688566E+08	1,182948E+09	1,306071E+09	1,306089E+09	1,182985E+09	9,688782E+08
-1824	7,172150E+08	4,954597E+08	3,669650E+08	3,669725E+08	4,954789E+08	7,172330E+08	9,688791E+08	1,182971E+09	1,306075E+09	1,306058E+09	1,182930E+09	9,688358E+08
-1823	7,172042E+08	4,954706E+08	3,669825E+08	3,669806E+08	4,954709E+08	7,172090E+08	9,688411E+08	1,182930E+09	1,306044E+09	1,306047E+09	1,182940E+09	9,688699E+08
-1822	7,172585E+08	4,955198E+08	3,670183E+08	3,670166E+08	4,955097E+08	7,172430E+08	9,688684E+08	1,182947E+09	1,306048E+09	1,306041E+09	1,182922E+09	9,688290E+08
-1821	7,172073E+08	4,954881E+08	3,670076E+08	3,670113E+08	4,954985E+08	7,172267E+08	9,688561E+08	1,182945E+09	1,306051E+09	1,306037E+09	1,182916E+09	9,688341E+08
-1820	7,172205E+08	4,955074E+08	3,670267E+08	3,670228E+08	4,955019E+08	7,172189E+08	9,688332E+08	1,182919E+09	1,306041E+09	1,306050E+09	1,182947E+09	9,688721E+08
-1819	7,172510E+08	4,955148E+08	3,670253E+08	3,670315E+08	4,955269E+08	7,172581E+08	9,688760E+08	1,182945E+09	1,306047E+09	1,306045E+09	1,182926E+09	9,688263E+08
-1818	7,171990E+08	4,954792E+08	3,669999E+08	3,670021E+08	4,954874E+08	7,172161E+08	9,688443E+08	1,182930E+09	1,306040E+09	1,306042E+09	1,182941E+09	9,688651E+08
-1817	7,172453E+08	4,955141E+08	3,670143E+08	3,670047E+08	4,954899E+08	7,172198E+08	9,688467E+08	1,182934E+09	1,306050E+09	1,306058E+09	1,182958E+09	9,688753E+08
-1816	7,172356E+08	4,954876E+08	3,669916E+08	3,669931E+08	4,954876E+08	7,172287E+08	9,688704E+08	1,182969E+09	1,306082E+09	1,306066E+09	1,182928E+09	9,688251E+08
-1815	7,171954E+08	4,954618E+08	3,669705E+08	3,669679E+08	4,954576E+08	7,171957E+08	9,688334E+08	1,182936E+09	1,306068E+09	1,306078E+09	1,182962E+09	9,688665E+08
-1814	7,172356E+08	4,954904E+08	3,669818E+08	3,669782E+08	4,954791E+08	7,172261E+08	9,688644E+08	1,182957E+09	1,306077E+09	1,306086E+09	1,182971E+09	9,688553E+08
-1813	7,171924E+08	4,954408E+08	3,669459E+08	3,669514E+08	4,954578E+08	7,172181E+08	9,688768E+08	1,182983E+09	1,306098E+09	1,306085E+09	1,182954E+09	9,688459E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1812	7,171920E+08	4,954391E+08	3,669401E+08	3,669394E+08	4,954402E+08	7,171953E+08	9,688524E+08	1,182968E+09	1,306100E+09	1,306102E+09	1,182980E+09	9,688797E+08
-1811	7,172313E+08	4,954617E+08	3,669459E+08	3,669483E+08	4,954623E+08	7,172297E+08	9,688900E+08	1,182995E+09	1,306113E+09	1,306104E+09	1,182964E+09	9,688360E+08
-1810	7,171768E+08	4,954274E+08	3,669290E+08	3,669303E+08	4,954321E+08	7,171918E+08	9,688589E+08	1,182979E+09	1,306105E+09	1,306095E+09	1,182964E+09	9,688562E+08
-1809	7,172102E+08	4,954647E+08	3,669606E+08	3,669533E+08	4,954469E+08	7,171910E+08	9,688386E+08	1,182951E+09	1,306089E+09	1,306101E+09	1,182987E+09	9,688834E+08
-1808	7,172264E+08	4,954662E+08	3,669663E+08	3,669727E+08	4,954776E+08	7,172270E+08	9,688695E+08	1,182966E+09	1,306086E+09	1,306081E+09	1,182948E+09	9,688339E+08
-1807	7,171900E+08	4,954524E+08	3,669656E+08	3,669708E+08	4,954671E+08	7,172074E+08	9,688379E+08	1,182923E+09	1,306039E+09	1,306048E+09	1,182945E+09	9,688640E+08
-1806	7,172451E+08	4,955122E+08	3,670116E+08	3,670073E+08	4,955000E+08	7,172341E+08	9,688558E+08	1,182927E+09	1,306027E+09	1,306030E+09	1,182936E+09	9,688588E+08
-1805	7,172286E+08	4,954962E+08	3,670113E+08	3,670165E+08	4,955081E+08	7,172405E+08	9,688682E+08	1,182946E+09	1,306038E+09	1,306013E+09	1,182890E+09	9,688185E+08
-1804	7,172155E+08	4,955058E+08	3,670293E+08	3,670274E+08	4,955024E+08	7,172143E+08	9,688284E+08	1,182913E+09	1,306024E+09	1,306019E+09	1,182910E+09	9,688483E+08
-1803	7,172586E+08	4,955461E+08	3,670589E+08	3,670598E+08	4,955442E+08	7,172579E+08	9,688595E+08	1,182922E+09	1,306022E+09	1,306020E+09	1,182910E+09	9,688227E+08
-1802	7,172104E+08	4,955109E+08	3,670458E+08	3,670517E+08	4,955291E+08	7,172390E+08	9,688453E+08	1,182913E+09	1,306010E+09	1,306002E+09	1,182898E+09	9,688337E+08
-1801	7,172347E+08	4,955344E+08	3,670613E+08	3,670577E+08	4,955277E+08	7,172286E+08	9,688246E+08	1,182889E+09	1,305998E+09	1,306015E+09	1,182932E+09	9,688724E+08
-1800	7,172650E+08	4,955415E+08	3,670577E+08	3,670623E+08	4,955472E+08	7,172619E+08	9,688641E+08	1,182922E+09	1,306014E+09	1,306010E+09	1,182903E+09	9,688261E+08
-1799	7,172174E+08	4,955093E+08	3,670328E+08	3,670320E+08	4,955097E+08	7,172253E+08	9,688336E+08	1,182902E+09	1,306001E+09	1,306000E+09	1,182903E+09	9,688447E+08
-1798	7,172515E+08	4,955436E+08	3,670534E+08	3,670420E+08	4,955147E+08	7,172250E+08	9,688336E+08	1,182907E+09	1,306016E+09	1,306022E+09	1,182926E+09	9,688586E+08
-1797	7,172393E+08	4,955106E+08	3,670269E+08	3,670309E+08	4,955166E+08	7,172363E+08	9,688530E+08	1,182934E+09	1,306043E+09	1,306032E+09	1,182906E+09	9,688179E+08
-1796	7,172017E+08	4,954827E+08	3,670017E+08	3,670032E+08	4,954869E+08	7,172085E+08	9,688286E+08	1,182918E+09	1,306038E+09	1,306045E+09	1,182938E+09	9,688551E+08
-1795	7,172372E+08	4,955072E+08	3,670078E+08	3,670072E+08	4,955048E+08	7,172436E+08	9,688692E+08	1,182944E+09	1,306048E+09	1,306053E+09	1,182949E+09	9,688498E+08
-1794	7,171993E+08	4,954619E+08	3,669753E+08	3,669795E+08	4,954764E+08	7,172236E+08	9,688710E+08	1,182965E+09	1,306066E+09	1,306045E+09	1,182922E+09	9,688364E+08
-1793	7,172055E+08	4,954693E+08	3,669757E+08	3,669711E+08	4,954590E+08	7,171962E+08	9,688387E+08	1,182943E+09	1,306070E+09	1,306075E+09	1,182960E+09	9,688706E+08
-1792	7,172404E+08	4,954913E+08	3,669853E+08	3,669858E+08	4,954854E+08	7,172292E+08	9,688683E+08	1,182964E+09	1,306083E+09	1,306079E+09	1,182948E+09	9,688338E+08
-1791	7,171907E+08	4,954583E+08	3,669687E+08	3,669716E+08	4,954673E+08	7,172076E+08	9,688428E+08	1,182938E+09	1,306055E+09	1,306052E+09	1,182934E+09	9,688432E+08
-1790	7,172198E+08	4,954980E+08	3,670065E+08	3,670001E+08	4,954844E+08	7,172096E+08	9,688314E+08	1,182918E+09	1,306038E+09	1,306050E+09	1,182953E+09	9,688761E+08
-1789	7,172412E+08	4,954975E+08	3,670089E+08	3,670173E+08	4,955123E+08	7,172416E+08	9,688615E+08	1,182936E+09	1,306036E+09	1,306027E+09	1,182910E+09	9,688255E+08
-1788	7,172073E+08	4,954873E+08	3,670089E+08	3,670144E+08	4,954991E+08	7,172195E+08	9,688360E+08	1,182913E+09	1,306011E+09	1,306004E+09	1,182903E+09	9,688419E+08
-1787	7,172508E+08	4,955440E+08	3,670547E+08	3,670493E+08	4,955305E+08	7,172472E+08	9,688528E+08	1,182912E+09	1,306003E+09	1,306000E+09	1,182906E+09	9,688411E+08
-1786	7,172311E+08	4,955254E+08	3,670565E+08	3,670610E+08	4,955371E+08	7,172450E+08	9,688505E+08	1,182915E+09	1,306002E+09	1,305980E+09	1,182865E+09	9,688061E+08
-1785	7,172237E+08	4,955367E+08	3,670729E+08	3,670722E+08	4,955360E+08	7,172241E+08	9,688095E+08	1,182872E+09	1,305982E+09	1,305994E+09	1,182902E+09	9,688473E+08
-1784	7,172675E+08	4,955726E+08	3,670974E+08	3,670996E+08	4,955744E+08	7,172682E+08	9,688437E+08	1,182884E+09	1,305976E+09	1,305985E+09	1,182896E+09	9,688304E+08
-1783	7,172306E+08	4,955397E+08	3,670797E+08	3,670861E+08	4,955588E+08	7,172551E+08	9,688366E+08	1,182878E+09	1,305956E+09	1,305948E+09	1,182862E+09	9,688246E+08
-1782	7,172516E+08	4,955686E+08	3,671012E+08	3,670942E+08	4,955527E+08	7,172365E+08	9,688161E+08	1,182865E+09	1,305958E+09	1,305964E+09	1,182890E+09	9,688601E+08
-1781	7,172794E+08	4,955726E+08	3,670964E+08	3,670980E+08	4,955691E+08	7,172623E+08	9,688462E+08	1,182893E+09	1,305978E+09	1,305970E+09	1,182869E+09	9,688118E+08
-1780	7,172274E+08	4,955383E+08	3,670712E+08	3,670705E+08	4,955363E+08	7,172304E+08	9,688232E+08	1,182886E+09	1,305978E+09	1,305970E+09	1,182873E+09	9,688229E+08
-1779	7,172478E+08	4,955623E+08	3,670852E+08	3,670771E+08	4,955455E+08	7,172429E+08	9,688317E+08	1,182888E+09	1,305989E+09	1,305997E+09	1,182908E+09	9,688479E+08
-1778	7,172368E+08	4,955261E+08	3,670562E+08	3,670625E+08	4,955428E+08	7,172513E+08	9,688512E+08	1,182912E+09	1,306007E+09	1,305997E+09	1,182884E+09	9,688127E+08
-1777	7,172106E+08	4,955031E+08	3,670289E+08	3,670314E+08	4,955100E+08	7,172209E+08	9,688272E+08	1,182899E+09	1,306010E+09	1,306020E+09	1,182922E+09	9,688511E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1776	7,172462E+08	4,955284E+08	3,670351E+08	3,670327E+08	4,955218E+08	7,172478E+08	9,688617E+08	1,182930E+09	1,306029E+09	1,306030E+09	1,182929E+09	9,688484E+08
-1775	7,172155E+08	4,954902E+08	3,670070E+08	3,670086E+08	4,954974E+08	7,172291E+08	9,688577E+08	1,182940E+09	1,306036E+09	1,306013E+09	1,182892E+09	9,688211E+08
-1774	7,172143E+08	4,955013E+08	3,670185E+08	3,670116E+08	4,954851E+08	7,171982E+08	9,688189E+08	1,182912E+09	1,306035E+09	1,306040E+09	1,182933E+09	9,688620E+08
-1773	7,172505E+08	4,955197E+08	3,670272E+08	3,670292E+08	4,955171E+08	7,172354E+08	9,688445E+08	1,182920E+09	1,306034E+09	1,306040E+09	1,182926E+09	9,688321E+08
-1772	7,172061E+08	4,954893E+08	3,670109E+08	3,670158E+08	4,955020E+08	7,172225E+08	9,688357E+08	1,182909E+09	1,306008E+09	1,306004E+09	1,182900E+09	9,688309E+08
-1771	7,172280E+08	4,955256E+08	3,670451E+08	3,670406E+08	4,955186E+08	7,172304E+08	9,688328E+08	1,182895E+09	1,305995E+09	1,306002E+09	1,182917E+09	9,688635E+08
-1770	7,172513E+08	4,955293E+08	3,670519E+08	3,670580E+08	4,955412E+08	7,172524E+08	9,688533E+08	1,182911E+09	1,305995E+09	1,305977E+09	1,182868E+09	9,688091E+08
-1769	7,172209E+08	4,955239E+08	3,670550E+08	3,670576E+08	4,955284E+08	7,172264E+08	9,688211E+08	1,182882E+09	1,305977E+09	1,305974E+09	1,182875E+09	9,688254E+08
-1768	7,172556E+08	4,955737E+08	3,670992E+08	3,670940E+08	4,955620E+08	7,172542E+08	9,688351E+08	1,182881E+09	1,305972E+09	1,305974E+09	1,182888E+09	9,688359E+08
-1767	7,172432E+08	4,955557E+08	3,670981E+08	3,671052E+08	4,955754E+08	7,172636E+08	9,688378E+08	1,182877E+09	1,305955E+09	1,305940E+09	1,182839E+09	9,687965E+08
-1766	7,172338E+08	4,955677E+08	3,671167E+08	3,671164E+08	4,955703E+08	7,172406E+08	9,688035E+08	1,182841E+09	1,305934E+09	1,305946E+09	1,182873E+09	9,688460E+08
-1765	7,172844E+08	4,956012E+08	3,671358E+08	3,671381E+08	4,956027E+08	7,172780E+08	9,688333E+08	1,182854E+09	1,305932E+09	1,305939E+09	1,182865E+09	9,688277E+08
-1764	7,172516E+08	4,955736E+08	3,671185E+08	3,671220E+08	4,955825E+08	7,172615E+08	9,688310E+08	1,182863E+09	1,305928E+09	1,305909E+09	1,182823E+09	9,688045E+08
-1763	7,172577E+08	4,955965E+08	3,671384E+08	3,671293E+08	4,955770E+08	7,172450E+08	9,688086E+08	1,182846E+09	1,305932E+09	1,305936E+09	1,182861E+09	9,688417E+08
-1762	7,172803E+08	4,955967E+08	3,671340E+08	3,671348E+08	4,955939E+08	7,172656E+08	9,688278E+08	1,182862E+09	1,305944E+09	1,305938E+09	1,182844E+09	9,687988E+08
-1761	7,172319E+08	4,955609E+08	3,671051E+08	3,671062E+08	4,955654E+08	7,172419E+08	9,688097E+08	1,182851E+09	1,305942E+09	1,305948E+09	1,182861E+09	9,688175E+08
-1760	7,172504E+08	4,955784E+08	3,671131E+08	3,671070E+08	4,955701E+08	7,172561E+08	9,688277E+08	1,182865E+09	1,305956E+09	1,305969E+09	1,182893E+09	9,688502E+08
-1759	7,172516E+08	4,955478E+08	3,670819E+08	3,670888E+08	4,955662E+08	7,172655E+08	9,688492E+08	1,182891E+09	1,305969E+09	1,305955E+09	1,182852E+09	9,688017E+08
-1758	7,172232E+08	4,955325E+08	3,670639E+08	3,670618E+08	4,955292E+08	7,172259E+08	9,688204E+08	1,182883E+09	1,305982E+09	1,305982E+09	1,182889E+09	9,688422E+08
-1757	7,172598E+08	4,955566E+08	3,670721E+08	3,670664E+08	4,955414E+08	7,172452E+08	9,688403E+08	1,182901E+09	1,306000E+09	1,306001E+09	1,182905E+09	9,688396E+08
-1756	7,172289E+08	4,955206E+08	3,670474E+08	3,670486E+08	4,955243E+08	7,172334E+08	9,688429E+08	1,182915E+09	1,306007E+09	1,305985E+09	1,182867E+09	9,688053E+08
-1755	7,172169E+08	4,955257E+08	3,670573E+08	3,670534E+08	4,955205E+08	7,172168E+08	9,688118E+08	1,182881E+09	1,305995E+09	1,306007E+09	1,182913E+09	9,688545E+08
-1754	7,172558E+08	4,955439E+08	3,670660E+08	3,670690E+08	4,955486E+08	7,172502E+08	9,688365E+08	1,182886E+09	1,305982E+09	1,305990E+09	1,182895E+09	9,688252E+08
-1753	7,172206E+08	4,955190E+08	3,670501E+08	3,670557E+08	4,955342E+08	7,172392E+08	9,688311E+08	1,182880E+09	1,305967E+09	1,305965E+09	1,182871E+09	9,688196E+08
-1752	7,172388E+08	4,955550E+08	3,670845E+08	3,670780E+08	4,955454E+08	7,172414E+08	9,688271E+08	1,182875E+09	1,305964E+09	1,305965E+09	1,182884E+09	9,688510E+08
-1751	7,172652E+08	4,955626E+08	3,670938E+08	3,670988E+08	4,955720E+08	7,172635E+08	9,688409E+08	1,182880E+09	1,305956E+09	1,305937E+09	1,182831E+09	9,687883E+08
-1750	7,172284E+08	4,955588E+08	3,671047E+08	3,671062E+08	4,955627E+08	7,172356E+08	9,688046E+08	1,182850E+09	1,305939E+09	1,305936E+09	1,182848E+09	9,688179E+08
-1749	7,172664E+08	4,956019E+08	3,671429E+08	3,671399E+08	4,955966E+08	7,172641E+08	9,688146E+08	1,182839E+09	1,305924E+09	1,305936E+09	1,182867E+09	9,688361E+08
-1748	7,172619E+08	4,955880E+08	3,671405E+08	3,671481E+08	4,956071E+08	7,172773E+08	9,688331E+08	1,182851E+09	1,305909E+09	1,305894E+09	1,182808E+09	9,687875E+08
-1747	7,172465E+08	4,955972E+08	3,671556E+08	3,671549E+08	4,955999E+08	7,172558E+08	9,688010E+08	1,182819E+09	1,305893E+09	1,305901E+09	1,182840E+09	9,688347E+08
-1746	7,172961E+08	4,956331E+08	3,671767E+08	3,671742E+08	4,956247E+08	7,172812E+08	9,688191E+08	1,182826E+09	1,305892E+09	1,305892E+09	1,182827E+09	9,688122E+08
-1745	7,172644E+08	4,956071E+08	3,671608E+08	3,671614E+08	4,956087E+08	7,172663E+08	9,688129E+08	1,182830E+09	1,305895E+09	1,305884E+09	1,182799E+09	9,687874E+08
-1744	7,172605E+08	4,956203E+08	3,671751E+08	3,671667E+08	4,956052E+08	7,172540E+08	9,687952E+08	1,182818E+09	1,305903E+09	1,305912E+09	1,182843E+09	9,688329E+08
-1743	7,172877E+08	4,956188E+08	3,671656E+08	3,671701E+08	4,956268E+08	7,172848E+08	9,688219E+08	1,182832E+09	1,305903E+09	1,305902E+09	1,182820E+09	9,687884E+08
-1742	7,172380E+08	4,955835E+08	3,671387E+08	3,671407E+08	4,955930E+08	7,172581E+08	9,688113E+08	1,182835E+09	1,305909E+09	1,305909E+09	1,182836E+09	9,688152E+08
-1741	7,172614E+08	4,955969E+08	3,671408E+08	3,671358E+08	4,955914E+08	7,172642E+08	9,688227E+08	1,182849E+09	1,305929E+09	1,305937E+09	1,182869E+09	9,688461E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1740	7,172684E+08	4,955754E+08	3,671141E+08	3,671173E+08	4,955826E+08	7,172696E+08	9,688474E+08	1,182884E+09	1,305951E+09	1,305929E+09	1,182825E+09	9,687844E+08
-1739	7,172272E+08	4,955558E+08	3,670975E+08	3,670940E+08	4,955501E+08	7,172306E+08	9,688100E+08	1,182862E+09	1,305958E+09	1,305961E+09	1,182870E+09	9,688287E+08
-1738	7,172629E+08	4,955808E+08	3,671092E+08	3,671027E+08	4,955653E+08	7,172463E+08	9,688165E+08	1,182862E+09	1,305959E+09	1,305970E+09	1,182886E+09	9,688334E+08
-1737	7,172400E+08	4,955472E+08	3,670849E+08	3,670879E+08	4,955558E+08	7,172450E+08	9,688230E+08	1,182868E+09	1,305958E+09	1,305954E+09	1,182851E+09	9,688008E+08
-1736	7,172260E+08	4,955487E+08	3,670915E+08	3,670895E+08	4,955499E+08	7,172323E+08	9,688060E+08	1,182850E+09	1,305947E+09	1,305961E+09	1,182885E+09	9,688514E+08
-1735	7,172746E+08	4,955740E+08	3,671016E+08	3,671056E+08	4,955796E+08	7,172667E+08	9,688323E+08	1,182858E+09	1,305932E+09	1,305932E+09	1,182850E+09	9,688077E+08
-1734	7,172346E+08	4,955556E+08	3,670962E+08	3,670978E+08	4,955622E+08	7,172490E+08	9,688249E+08	1,182860E+09	1,305930E+09	1,305914E+09	1,182827E+09	9,688034E+08
-1733	7,172499E+08	4,955862E+08	3,671300E+08	3,671226E+08	4,955748E+08	7,172466E+08	9,688102E+08	1,182845E+09	1,305930E+09	1,305931E+09	1,182854E+09	9,688359E+08
-1732	7,172772E+08	4,955971E+08	3,671414E+08	3,671461E+08	4,956052E+08	7,172749E+08	9,688321E+08	1,182855E+09	1,305921E+09	1,305905E+09	1,182805E+09	9,687712E+08
-1731	7,172318E+08	4,955865E+08	3,671485E+08	3,671527E+08	4,956006E+08	7,172559E+08	9,688000E+08	1,182821E+09	1,305899E+09	1,305901E+09	1,182828E+09	9,688108E+08
-1730	7,172760E+08	4,956306E+08	3,671847E+08	3,671818E+08	4,956273E+08	7,172757E+08	9,688037E+08	1,182806E+09	1,305876E+09	1,305889E+09	1,182838E+09	9,688321E+08
-1729	7,172817E+08	4,956219E+08	3,671818E+08	3,671886E+08	4,956372E+08	7,172881E+08	9,688202E+08	1,182818E+09	1,305871E+09	1,305859E+09	1,182781E+09	9,687783E+08
-1728	7,172605E+08	4,956288E+08	3,671955E+08	3,671919E+08	4,956246E+08	7,172628E+08	9,687906E+08	1,182795E+09	1,305860E+09	1,305866E+09	1,182811E+09	9,688239E+08
-1727	7,173100E+08	4,956649E+08	3,672169E+08	3,672139E+08	4,956533E+08	7,172881E+08	9,688026E+08	1,182793E+09	1,305850E+09	1,305852E+09	1,182794E+09	9,687930E+08
-1726	7,172697E+08	4,956373E+08	3,672049E+08	3,672056E+08	4,956411E+08	7,172771E+08	9,687995E+08	1,182798E+09	1,305856E+09	1,305845E+09	1,182775E+09	9,687805E+08
-1725	7,172666E+08	4,956404E+08	3,672093E+08	3,672046E+08	4,956360E+08	7,172677E+08	9,687845E+08	1,182785E+09	1,305862E+09	1,305878E+09	1,182824E+09	9,688288E+08
-1724	7,173002E+08	4,956423E+08	3,671970E+08	3,672021E+08	4,956513E+08	7,173006E+08	9,688280E+08	1,182819E+09	1,305868E+09	1,305864E+09	1,182793E+09	9,687773E+08
-1723	7,172456E+08	4,956050E+08	3,671676E+08	3,671697E+08	4,956152E+08	7,172710E+08	9,688148E+08	1,182825E+09	1,305885E+09	1,305877E+09	1,182810E+09	9,688039E+08
-1722	7,172697E+08	4,956215E+08	3,671718E+08	3,671626E+08	4,956049E+08	7,172614E+08	9,688079E+08	1,182827E+09	1,305902E+09	1,305905E+09	1,182842E+09	9,688342E+08
-1721	7,172793E+08	4,956029E+08	3,671493E+08	3,671508E+08	4,956035E+08	7,172692E+08	9,688248E+08	1,182850E+09	1,305924E+09	1,305913E+09	1,182811E+09	9,687738E+08
-1720	7,172320E+08	4,955782E+08	3,671312E+08	3,671288E+08	4,955759E+08	7,172380E+08	9,687945E+08	1,182830E+09	1,305922E+09	1,305934E+09	1,182855E+09	9,688248E+08
-1719	7,172732E+08	4,956044E+08	3,671419E+08	3,671390E+08	4,955967E+08	7,172615E+08	9,688058E+08	1,182823E+09	1,305906E+09	1,305923E+09	1,182858E+09	9,688248E+08
-1718	7,172509E+08	4,955757E+08	3,671241E+08	3,671278E+08	4,955874E+08	7,172624E+08	9,688221E+08	1,182844E+09	1,305912E+09	1,305900E+09	1,182817E+09	9,687955E+08
-1717	7,172406E+08	4,955750E+08	3,671273E+08	3,671261E+08	4,955772E+08	7,172439E+08	9,688003E+08	1,182829E+09	1,305911E+09	1,305918E+09	1,182848E+09	9,688364E+08
-1716	7,172902E+08	4,956089E+08	3,671438E+08	3,671441E+08	4,956039E+08	7,172768E+08	9,688333E+08	1,182847E+09	1,305905E+09	1,305894E+09	1,182811E+09	9,687829E+08
-1715	7,172376E+08	4,955852E+08	3,671406E+08	3,671426E+08	4,955933E+08	7,172589E+08	9,688165E+08	1,182840E+09	1,305904E+09	1,305887E+09	1,182802E+09	9,687850E+08
-1714	7,172522E+08	4,956140E+08	3,671737E+08	3,671675E+08	4,956062E+08	7,172528E+08	9,687889E+08	1,182807E+09	1,305888E+09	1,305897E+09	1,182834E+09	9,688292E+08
-1713	7,172888E+08	4,956277E+08	3,671850E+08	3,671922E+08	4,956415E+08	7,172891E+08	9,688136E+08	1,182810E+09	1,305874E+09	1,305874E+09	1,182791E+09	9,687702E+08
-1712	7,172457E+08	4,956156E+08	3,671882E+08	3,671932E+08	4,956317E+08	7,172705E+08	9,687925E+08	1,182788E+09	1,305849E+09	1,305856E+09	1,182802E+09	9,688108E+08
-1711	7,172988E+08	4,956660E+08	3,672253E+08	3,672220E+08	4,956574E+08	7,172859E+08	9,687911E+08	1,182772E+09	1,305824E+09	1,305833E+09	1,182797E+09	9,688184E+08
-1710	7,172994E+08	4,956625E+08	3,672311E+08	3,672337E+08	4,956664E+08	7,172952E+08	9,688068E+08	1,182789E+09	1,305828E+09	1,305807E+09	1,182742E+09	9,687652E+08
-1709	7,172719E+08	4,956600E+08	3,672397E+08	3,672364E+08	4,956555E+08	7,172695E+08	9,687730E+08	1,182762E+09	1,305823E+09	1,305830E+09	1,182781E+09	9,688082E+08
-1708	7,173191E+08	4,956958E+08	3,672593E+08	3,672568E+08	4,956855E+08	7,173045E+08	9,688016E+08	1,182771E+09	1,305814E+09	1,305817E+09	1,182767E+09	9,687757E+08
-1707	7,172689E+08	4,956573E+08	3,672396E+08	3,672445E+08	4,956744E+08	7,172991E+08	9,688047E+08	1,182782E+09	1,305823E+09	1,305812E+09	1,182754E+09	9,687701E+08
-1706	7,172701E+08	4,956591E+08	3,672380E+08	3,672351E+08	4,956592E+08	7,172790E+08	9,687827E+08	1,182768E+09	1,305830E+09	1,305842E+09	1,182800E+09	9,688230E+08
-1705	7,173127E+08	4,956670E+08	3,672261E+08	3,672303E+08	4,956714E+08	7,173068E+08	9,688177E+08	1,182799E+09	1,305848E+09	1,305844E+09	1,182774E+09	9,687688E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1704	7,172543E+08	4,956281E+08	3,671962E+08	3,671952E+08	4,956295E+08	7,172712E+08	9,688033E+08	1,182808E+09	1,305865E+09	1,305857E+09	1,182793E+09	9,687970E+08
-1703	7,172811E+08	4,956471E+08	3,672038E+08	3,671948E+08	4,956256E+08	7,172589E+08	9,687842E+08	1,182792E+09	1,305865E+09	1,305874E+09	1,182821E+09	9,688237E+08
-1702	7,172872E+08	4,956310E+08	3,671879E+08	3,671896E+08	4,956308E+08	7,172742E+08	9,688047E+08	1,182813E+09	1,305879E+09	1,305872E+09	1,182791E+09	9,687738E+08
-1701	7,172422E+08	4,956003E+08	3,671648E+08	3,671657E+08	4,956054E+08	7,172502E+08	9,687818E+08	1,182793E+09	1,305872E+09	1,305889E+09	1,182830E+09	9,688208E+08
-1700	7,172892E+08	4,956338E+08	3,671782E+08	3,671745E+08	4,956229E+08	7,172781E+08	9,688116E+08	1,182805E+09	1,305860E+09	1,305870E+09	1,182819E+09	9,688078E+08
-1699	7,172589E+08	4,956038E+08	3,671618E+08	3,671659E+08	4,956164E+08	7,172784E+08	9,688252E+08	1,182832E+09	1,305880E+09	1,305856E+09	1,182778E+09	9,687742E+08
-1698	7,172470E+08	4,956053E+08	3,671676E+08	3,671644E+08	4,956017E+08	7,172481E+08	9,687875E+08	1,182806E+09	1,305881E+09	1,305881E+09	1,182814E+09	9,688167E+08
-1697	7,172970E+08	4,956406E+08	3,671878E+08	3,671891E+08	4,956362E+08	7,172841E+08	9,688124E+08	1,182814E+09	1,305878E+09	1,305876E+09	1,182793E+09	9,687698E+08
-1696	7,172422E+08	4,956120E+08	3,671816E+08	3,671864E+08	4,956276E+08	7,172726E+08	9,688047E+08	1,182809E+09	1,305868E+09	1,305859E+09	1,182789E+09	9,687839E+08
-1695	7,172656E+08	4,956427E+08	3,672136E+08	3,672116E+08	4,956417E+08	7,172672E+08	9,687770E+08	1,182768E+09	1,305834E+09	1,305850E+09	1,182809E+09	9,688262E+08
-1694	7,173057E+08	4,956631E+08	3,672307E+08	3,672377E+08	4,956754E+08	7,173040E+08	9,688075E+08	1,182781E+09	1,305823E+09	1,305817E+09	1,182760E+09	9,687710E+08
-1693	7,172664E+08	4,956502E+08	3,672310E+08	3,672350E+08	4,956616E+08	7,172807E+08	9,687818E+08	1,182760E+09	1,305807E+09	1,305808E+09	1,182765E+09	9,687992E+08
-1692	7,173175E+08	4,957057E+08	3,672722E+08	3,672640E+08	4,956836E+08	7,172954E+08	9,687873E+08	1,182750E+09	1,305786E+09	1,305789E+09	1,182757E+09	9,687945E+08
-1691	7,173033E+08	4,956938E+08	3,672772E+08	3,672811E+08	4,957011E+08	7,173075E+08	9,687973E+08	1,182764E+09	1,305795E+09	1,305773E+09	1,182713E+09	9,687454E+08
-1690	7,172738E+08	4,956859E+08	3,672788E+08	3,672779E+08	4,956869E+08	7,172789E+08	9,687561E+08	1,182727E+09	1,305782E+09	1,305793E+09	1,182756E+09	9,687970E+08
-1689	7,173243E+08	4,957196E+08	3,672944E+08	3,672949E+08	4,957171E+08	7,173194E+08	9,687906E+08	1,182740E+09	1,305779E+09	1,305789E+09	1,182749E+09	9,687716E+08
-1688	7,172777E+08	4,956784E+08	3,672684E+08	3,672740E+08	4,956971E+08	7,173108E+08	9,688043E+08	1,182767E+09	1,305793E+09	1,305779E+09	1,182733E+09	9,687684E+08
-1687	7,172854E+08	4,956841E+08	3,672663E+08	3,672626E+08	4,956770E+08	7,172806E+08	9,687712E+08	1,182746E+09	1,305796E+09	1,305804E+09	1,182770E+09	9,688125E+08
-1686	7,173246E+08	4,956983E+08	3,672636E+08	3,672635E+08	4,956901E+08	7,173060E+08	9,688017E+08	1,182774E+09	1,305817E+09	1,305809E+09	1,182751E+09	9,687641E+08
-1685	7,172641E+08	4,956536E+08	3,672311E+08	3,672299E+08	4,956526E+08	7,172718E+08	9,687809E+08	1,182773E+09	1,305831E+09	1,305829E+09	1,182773E+09	9,687885E+08
-1684	7,172911E+08	4,956751E+08	3,672403E+08	3,672308E+08	4,956524E+08	7,172716E+08	9,687783E+08	1,182763E+09	1,305823E+09	1,305836E+09	1,182796E+09	9,688113E+08
-1683	7,172896E+08	4,956524E+08	3,672224E+08	3,672283E+08	4,956640E+08	7,172941E+08	9,688060E+08	1,182791E+09	1,305840E+09	1,305830E+09	1,182762E+09	9,687625E+08
-1682	7,172487E+08	4,956227E+08	3,671959E+08	3,671992E+08	4,956320E+08	7,172629E+08	9,687791E+08	1,182774E+09	1,305836E+09	1,305845E+09	1,182796E+09	9,688077E+08
-1681	7,172986E+08	4,956615E+08	3,672133E+08	3,672095E+08	4,956497E+08	7,172895E+08	9,688042E+08	1,182787E+09	1,305839E+09	1,305843E+09	1,182790E+09	9,687919E+08
-1680	7,172647E+08	4,956303E+08	3,671978E+08	3,672006E+08	4,956400E+08	7,172859E+08	9,688191E+08	1,182816E+09	1,305859E+09	1,305832E+09	1,182756E+09	9,687624E+08
-1679	7,172545E+08	4,956325E+08	3,672061E+08	3,672056E+08	4,956311E+08	7,172521E+08	9,687672E+08	1,182771E+09	1,305843E+09	1,305850E+09	1,182793E+09	9,688078E+08
-1678	7,173053E+08	4,956720E+08	3,672325E+08	3,672352E+08	4,956711E+08	7,172954E+08	9,687947E+08	1,182774E+09	1,305828E+09	1,305832E+09	1,182776E+09	9,687749E+08
-1677	7,172573E+08	4,956408E+08	3,672223E+08	3,672296E+08	4,956614E+08	7,172860E+08	9,687906E+08	1,182769E+09	1,305815E+09	1,305812E+09	1,182763E+09	9,687849E+08
-1676	7,172896E+08	4,956819E+08	3,672584E+08	3,672532E+08	4,956711E+08	7,172820E+08	9,687764E+08	1,182742E+09	1,305782E+09	1,305791E+09	1,182768E+09	9,688135E+08
-1675	7,173208E+08	4,957005E+08	3,672776E+08	3,672827E+08	4,957070E+08	7,173157E+08	9,688010E+08	1,182758E+09	1,305783E+09	1,305765E+09	1,182714E+09	9,687497E+08
-1674	7,172775E+08	4,956874E+08	3,672782E+08	3,672796E+08	4,956903E+08	7,172851E+08	9,687641E+08	1,182728E+09	1,305767E+09	1,305763E+09	1,182725E+09	9,687776E+08
-1673	7,173244E+08	4,957397E+08	3,673195E+08	3,673121E+08	4,957195E+08	7,173053E+08	9,687663E+08	1,182714E+09	1,305753E+09	1,305761E+09	1,182731E+09	9,687774E+08
-1672	7,173049E+08	4,957185E+08	3,673159E+08	3,673225E+08	4,957355E+08	7,173251E+08	9,687916E+08	1,182738E+09	1,305760E+09	1,305743E+09	1,182694E+09	9,687397E+08
-1671	7,172816E+08	4,957083E+08	3,673122E+08	3,673159E+08	4,957183E+08	7,172934E+08	9,687499E+08	1,182700E+09	1,305741E+09	1,305753E+09	1,182732E+09	9,687919E+08
-1670	7,173353E+08	4,957465E+08	3,673297E+08	3,673300E+08	4,957433E+08	7,173305E+08	9,687865E+08	1,182721E+09	1,305743E+09	1,305746E+09	1,182725E+09	9,687732E+08
-1669	7,172932E+08	4,957050E+08	3,673006E+08	3,673039E+08	4,957164E+08	7,173139E+08	9,687927E+08	1,182747E+09	1,305768E+09	1,305750E+09	1,182708E+09	9,687615E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1668	7,173006E+08	4,957162E+08	3,673036E+08	3,672938E+08	4,956937E+08	7,172824E+08	9,687622E+08	1,182725E+09	1,305767E+09	1,305773E+09	1,182743E+09	9,687962E+08
-1667	7,173269E+08	4,957228E+08	3,673011E+08	3,673019E+08	4,957174E+08	7,173118E+08	9,687860E+08	1,182746E+09	1,305785E+09	1,305780E+09	1,182729E+09	9,687511E+08
-1666	7,172675E+08	4,956760E+08	3,672639E+08	3,672652E+08	4,956808E+08	7,172809E+08	9,687634E+08	1,182734E+09	1,305786E+09	1,305791E+09	1,182750E+09	9,687815E+08
-1665	7,172984E+08	4,956975E+08	3,672725E+08	3,672659E+08	4,956831E+08	7,172874E+08	9,687681E+08	1,182732E+09	1,305785E+09	1,305800E+09	1,182770E+09	9,688044E+08
-1664	7,172988E+08	4,956741E+08	3,672512E+08	3,672582E+08	4,956892E+08	7,173096E+08	9,688089E+08	1,182778E+09	1,305809E+09	1,305791E+09	1,182733E+09	9,687549E+08
-1663	7,172615E+08	4,956488E+08	3,672280E+08	3,672315E+08	4,956546E+08	7,172683E+08	9,687703E+08	1,182754E+09	1,305805E+09	1,305805E+09	1,182760E+09	9,687913E+08
-1662	7,173054E+08	4,956920E+08	3,672547E+08	3,672487E+08	4,956756E+08	7,172947E+08	9,687921E+08	1,182765E+09	1,305809E+09	1,305808E+09	1,182765E+09	9,687846E+08
-1661	7,172733E+08	4,956580E+08	3,672377E+08	3,672415E+08	4,956698E+08	7,172930E+08	9,688017E+08	1,182785E+09	1,305826E+09	1,305805E+09	1,182737E+09	9,687563E+08
-1660	7,172664E+08	4,956644E+08	3,672483E+08	3,672463E+08	4,956619E+08	7,172682E+08	9,687628E+08	1,182740E+09	1,305797E+09	1,305808E+09	1,182767E+09	9,688001E+08
-1659	7,173141E+08	4,957009E+08	3,672753E+08	3,672803E+08	4,957072E+08	7,173139E+08	9,687917E+08	1,182747E+09	1,305784E+09	1,305786E+09	1,182745E+09	9,687676E+08
-1658	7,172740E+08	4,956747E+08	3,672637E+08	3,672705E+08	4,956914E+08	7,172957E+08	9,687781E+08	1,182738E+09	1,305769E+09	1,305760E+09	1,182723E+09	9,687723E+08
-1657	7,173061E+08	4,957197E+08	3,673043E+08	3,672968E+08	4,957021E+08	7,172903E+08	9,687585E+08	1,182711E+09	1,305749E+09	1,305753E+09	1,182731E+09	9,687958E+08
-1656	7,173302E+08	4,957342E+08	3,673230E+08	3,673266E+08	4,957372E+08	7,173237E+08	9,687886E+08	1,182733E+09	1,305750E+09	1,305732E+09	1,182685E+09	9,687348E+08
-1655	7,172848E+08	4,957170E+08	3,673222E+08	3,673266E+08	4,957245E+08	7,172917E+08	9,687427E+08	1,182689E+09	1,305722E+09	1,305724E+09	1,182698E+09	9,687641E+08
-1654	7,173287E+08	4,957682E+08	3,673636E+08	3,673584E+08	4,957566E+08	7,173220E+08	9,687553E+08	1,182678E+09	1,305703E+09	1,305716E+09	1,182709E+09	9,687779E+08
-1653	7,173166E+08	4,957440E+08	3,673524E+08	3,673606E+08	4,957661E+08	7,173402E+08	9,687851E+08	1,182709E+09	1,305717E+09	1,305703E+09	1,182670E+09	9,687379E+08
-1652	7,173001E+08	4,957404E+08	3,673488E+08	3,673481E+08	4,957412E+08	7,173070E+08	9,687527E+08	1,182682E+09	1,305702E+09	1,305708E+09	1,182698E+09	9,687796E+08
-1651	7,173457E+08	4,957756E+08	3,673678E+08	3,673658E+08	4,957674E+08	7,173378E+08	9,687794E+08	1,182704E+09	1,305717E+09	1,305712E+09	1,182692E+09	9,687572E+08
-1650	7,173032E+08	4,957340E+08	3,673373E+08	3,673384E+08	4,957377E+08	7,173129E+08	9,687713E+08	1,182716E+09	1,305737E+09	1,305720E+09	1,182682E+09	9,687475E+08
-1649	7,173070E+08	4,957424E+08	3,673408E+08	3,673321E+08	4,957229E+08	7,172887E+08	9,687396E+08	1,182690E+09	1,305738E+09	1,305751E+09	1,182725E+09	9,687867E+08
-1648	7,173298E+08	4,957417E+08	3,673316E+08	3,673348E+08	4,957455E+08	7,173272E+08	9,687816E+08	1,182721E+09	1,305749E+09	1,305750E+09	1,182712E+09	9,687478E+08
-1647	7,172753E+08	4,956943E+08	3,672924E+08	3,672976E+08	4,957077E+08	7,172944E+08	9,687599E+08	1,182711E+09	1,305745E+09	1,305748E+09	1,182721E+09	9,687740E+08
-1646	7,173080E+08	4,957218E+08	3,673046E+08	3,672979E+08	4,957087E+08	7,173016E+08	9,687688E+08	1,182717E+09	1,305750E+09	1,305757E+09	1,182740E+09	9,687985E+08
-1645	7,173110E+08	4,956999E+08	3,672835E+08	3,672879E+08	4,957096E+08	7,173164E+08	9,688021E+08	1,182762E+09	1,305787E+09	1,305764E+09	1,182705E+09	9,687431E+08
-1644	7,172739E+08	4,956808E+08	3,672674E+08	3,672654E+08	4,956757E+08	7,172748E+08	9,687636E+08	1,182734E+09	1,305778E+09	1,305776E+09	1,182734E+09	9,687750E+08
-1643	7,173079E+08	4,957173E+08	3,672957E+08	3,672914E+08	4,957069E+08	7,173027E+08	9,687759E+08	1,182735E+09	1,305775E+09	1,305778E+09	1,182742E+09	9,687741E+08
-1642	7,172819E+08	4,956851E+08	3,672765E+08	3,672820E+08	4,957007E+08	7,173020E+08	9,687816E+08	1,182742E+09	1,305777E+09	1,305766E+09	1,182714E+09	9,687529E+08
-1641	7,172814E+08	4,956960E+08	3,672907E+08	3,672894E+08	4,956951E+08	7,172802E+08	9,687462E+08	1,182703E+09	1,305752E+09	1,305764E+09	1,182738E+09	9,687945E+08
-1640	7,173302E+08	4,957330E+08	3,673160E+08	3,673191E+08	4,957356E+08	7,173254E+08	9,687849E+08	1,182722E+09	1,305742E+09	1,305739E+09	1,182709E+09	9,687578E+08
-1639	7,172911E+08	4,957107E+08	3,673097E+08	3,673150E+08	4,957212E+08	7,173012E+08	9,687604E+08	1,182703E+09	1,305723E+09	1,305710E+09	1,182681E+09	9,687532E+08
-1638	7,173170E+08	4,957574E+08	3,673555E+08	3,673466E+08	4,957376E+08	7,173006E+08	9,687420E+08	1,182676E+09	1,305702E+09	1,305707E+09	1,182698E+09	9,687824E+08
-1637	7,173390E+08	4,957657E+08	3,673691E+08	3,673744E+08	4,957749E+08	7,173385E+08	9,687741E+08	1,182697E+09	1,305708E+09	1,305696E+09	1,182660E+09	9,687250E+08
-1636	7,172954E+08	4,957491E+08	3,673666E+08	3,673700E+08	4,957601E+08	7,173151E+08	9,687450E+08	1,182662E+09	1,305676E+09	1,305680E+09	1,182669E+09	9,687530E+08
-1635	7,173337E+08	4,957922E+08	3,674035E+08	3,674016E+08	4,957921E+08	7,173428E+08	9,687589E+08	1,182662E+09	1,305669E+09	1,305675E+09	1,182677E+09	9,687673E+08
-1634	7,173306E+08	4,957725E+08	3,673876E+08	3,673952E+08	4,957912E+08	7,173496E+08	9,687778E+08	1,182688E+09	1,305686E+09	1,305667E+09	1,182641E+09	9,687276E+08
-1633	7,173138E+08	4,957717E+08	3,673870E+08	3,673829E+08	4,957638E+08	7,173100E+08	9,687365E+08	1,182660E+09	1,305684E+09	1,305685E+09	1,182673E+09	9,687665E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1632	7,173532E+08	4,958012E+08	3,674030E+08	3,673989E+08	4,957884E+08	7,173399E+08	9,687648E+08	1,182681E+09	1,305693E+09	1,305691E+09	1,182675E+09	9,687495E+08
-1631	7,173108E+08	4,957564E+08	3,673717E+08	3,673753E+08	4,957636E+08	7,173152E+08	9,687470E+08	1,182675E+09	1,305695E+09	1,305688E+09	1,182662E+09	9,687406E+08
-1630	7,173136E+08	4,957649E+08	3,673747E+08	3,673682E+08	4,957530E+08	7,173032E+08	9,687294E+08	1,182654E+09	1,305687E+09	1,305707E+09	1,182706E+09	9,687881E+08
-1629	7,173428E+08	4,957637E+08	3,673611E+08	3,673650E+08	4,957701E+08	7,173409E+08	9,687784E+08	1,182697E+09	1,305709E+09	1,305710E+09	1,182686E+09	9,687434E+08
-1628	7,172922E+08	4,957233E+08	3,673249E+08	3,673248E+08	4,957271E+08	7,173080E+08	9,687647E+08	1,182697E+09	1,305711E+09	1,305703E+09	1,182683E+09	9,687557E+08
-1627	7,173132E+08	4,957469E+08	3,673414E+08	3,673330E+08	4,957326E+08	7,173100E+08	9,687649E+08	1,182705E+09	1,305729E+09	1,305726E+09	1,182704E+09	9,687764E+08
-1626	7,173177E+08	4,957277E+08	3,673207E+08	3,673238E+08	4,957329E+08	7,173181E+08	9,687827E+08	1,182732E+09	1,305758E+09	1,305739E+09	1,182681E+09	9,687276E+08
-1625	7,172789E+08	4,957072E+08	3,673068E+08	3,673062E+08	4,957067E+08	7,172825E+08	9,687425E+08	1,182700E+09	1,305749E+09	1,305753E+09	1,182717E+09	9,687671E+08
-1624	7,173142E+08	4,957397E+08	3,673312E+08	3,673290E+08	4,957373E+08	7,173177E+08	9,687691E+08	1,182707E+09	1,305737E+09	1,305746E+09	1,182725E+09	9,687744E+08
-1623	7,172964E+08	4,957107E+08	3,673139E+08	3,673223E+08	4,957306E+08	7,173119E+08	9,687689E+08	1,182708E+09	1,305727E+09	1,305717E+09	1,182684E+09	9,687473E+08
-1622	7,172987E+08	4,957301E+08	3,673340E+08	3,673315E+08	4,957268E+08	7,172941E+08	9,687382E+08	1,182672E+09	1,305701E+09	1,305712E+09	1,182704E+09	9,687869E+08
-1621	7,173477E+08	4,957692E+08	3,673613E+08	3,673610E+08	4,957638E+08	7,173336E+08	9,687719E+08	1,182692E+09	1,305703E+09	1,305698E+09	1,182675E+09	9,687422E+08
-1620	7,173049E+08	4,957495E+08	3,673598E+08	3,673609E+08	4,957535E+08	7,173148E+08	9,687516E+08	1,182671E+09	1,305679E+09	1,305666E+09	1,182644E+09	9,687315E+08
-1619	7,173189E+08	4,957861E+08	3,674037E+08	3,673984E+08	4,957794E+08	7,173193E+08	9,687321E+08	1,182644E+09	1,305661E+09	1,305667E+09	1,182664E+09	9,687651E+08
-1618	7,173473E+08	4,957943E+08	3,674104E+08	3,674185E+08	4,958108E+08	7,173555E+08	9,687636E+08	1,182660E+09	1,305660E+09	1,305653E+09	1,182633E+09	9,687180E+08
-1617	7,173091E+08	4,957793E+08	3,674073E+08	3,674114E+08	4,957920E+08	7,173287E+08	9,687377E+08	1,182639E+09	1,305643E+09	1,305641E+09	1,182641E+09	9,687463E+08
-1616	7,173479E+08	4,958202E+08	3,674393E+08	3,674352E+08	4,958150E+08	7,173515E+08	9,687555E+08	1,182648E+09	1,305642E+09	1,305641E+09	1,182650E+09	9,687591E+08
-1615	7,173451E+08	4,958027E+08	3,674272E+08	3,674323E+08	4,958120E+08	7,173475E+08	9,687575E+08	1,182658E+09	1,305652E+09	1,305634E+09	1,182614E+09	9,687155E+08
-1614	7,173250E+08	4,958032E+08	3,674290E+08	3,674234E+08	4,957912E+08	7,173148E+08	9,687170E+08	1,182624E+09	1,305640E+09	1,305652E+09	1,182655E+09	9,687602E+08
-1613	7,173623E+08	4,958268E+08	3,674390E+08	3,674352E+08	4,958156E+08	7,173486E+08	9,687481E+08	1,182644E+09	1,305652E+09	1,305661E+09	1,182659E+09	9,687452E+08
-1612	7,173223E+08	4,957834E+08	3,674072E+08	3,674092E+08	4,957919E+08	7,173351E+08	9,687478E+08	1,182648E+09	1,305649E+09	1,305643E+09	1,182634E+09	9,687302E+08
-1611	7,173196E+08	4,957853E+08	3,674072E+08	3,674036E+08	4,957823E+08	7,173209E+08	9,687328E+08	1,182640E+09	1,305654E+09	1,305664E+09	1,182667E+09	9,687710E+08
-1610	7,173536E+08	4,957884E+08	3,673908E+08	3,673940E+08	4,957912E+08	7,173494E+08	9,687731E+08	1,182680E+09	1,305682E+09	1,305675E+09	1,182654E+09	9,687279E+08
-1609	7,173010E+08	4,957507E+08	3,673608E+08	3,673582E+08	4,957481E+08	7,173107E+08	9,687529E+08	1,182683E+09	1,305698E+09	1,305684E+09	1,182660E+09	9,687392E+08
-1608	7,173148E+08	4,957667E+08	3,673738E+08	3,673660E+08	4,957543E+08	7,173138E+08	9,687528E+08	1,182685E+09	1,305708E+09	1,305710E+09	1,182692E+09	9,687678E+08
-1607	7,173219E+08	4,957481E+08	3,673555E+08	3,673618E+08	4,957599E+08	7,173224E+08	9,687602E+08	1,182691E+09	1,305715E+09	1,305708E+09	1,182667E+09	9,687252E+08
-1606	7,172898E+08	4,957329E+08	3,673440E+08	3,673454E+08	4,957385E+08	7,172975E+08	9,687304E+08	1,182658E+09	1,305690E+09	1,305708E+09	1,182698E+09	9,687703E+08
-1605	7,173334E+08	4,957696E+08	3,673679E+08	3,673651E+08	4,957637E+08	7,173287E+08	9,687599E+08	1,182674E+09	1,305687E+09	1,305697E+09	1,182695E+09	9,687709E+08
-1604	7,173199E+08	4,957501E+08	3,673580E+08	3,673608E+08	4,957580E+08	7,173260E+08	9,687647E+08	1,182680E+09	1,305678E+09	1,305659E+09	1,182638E+09	9,687277E+08
-1603	7,173095E+08	4,957655E+08	3,673835E+08	3,673799E+08	4,957610E+08	7,173062E+08	9,687300E+08	1,182649E+09	1,305664E+09	1,305664E+09	1,182655E+09	9,687599E+08
-1602	7,173571E+08	4,958043E+08	3,674089E+08	3,674091E+08	4,957987E+08	7,173442E+08	9,687554E+08	1,182656E+09	1,305661E+09	1,305659E+09	1,182642E+09	9,687231E+08
-1601	7,173110E+08	4,957814E+08	3,674076E+08	3,674109E+08	4,957926E+08	7,173310E+08	9,687408E+08	1,182644E+09	1,305646E+09	1,305632E+09	1,182619E+09	9,687183E+08
-1600	7,173230E+08	4,958092E+08	3,674422E+08	3,674405E+08	4,958141E+08	7,173403E+08	9,687347E+08	1,182625E+09	1,305627E+09	1,305634E+09	1,182644E+09	9,687598E+08
-1599	7,173587E+08	4,958202E+08	3,674488E+08	3,674589E+08	4,958398E+08	7,173659E+08	9,687550E+08	1,182634E+09	1,305621E+09	1,305613E+09	1,182607E+09	9,687125E+08
-1598	7,173260E+08	4,958122E+08	3,674478E+08	3,674498E+08	4,958190E+08	7,173384E+08	9,687284E+08	1,182613E+09	1,305604E+09	1,305604E+09	1,182618E+09	9,687418E+08
-1597	7,173654E+08	4,958544E+08	3,674801E+08	3,674715E+08	4,958355E+08	7,173511E+08	9,687374E+08	1,182619E+09	1,305611E+09	1,305615E+09	1,182630E+09	9,687519E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1596	7,173606E+08	4,958377E+08	3,674701E+08	3,674711E+08	4,958376E+08	7,173531E+08	9,687388E+08	1,182620E+09	1,305607E+09	1,305595E+09	1,182588E+09	9,687022E+08
-1595	7,173292E+08	4,958281E+08	3,674693E+08	3,674670E+08	4,958259E+08	7,173289E+08	9,687038E+08	1,182588E+09	1,305595E+09	1,305610E+09	1,182624E+09	9,687475E+08
-1594	7,173717E+08	4,958513E+08	3,674722E+08	3,674705E+08	4,958442E+08	7,173623E+08	9,687384E+08	1,182608E+09	1,305601E+09	1,305615E+09	1,182631E+09	9,687367E+08
-1593	7,173328E+08	4,958084E+08	3,674401E+08	3,674426E+08	4,958174E+08	7,173467E+08	9,687454E+08	1,182633E+09	1,305619E+09	1,305603E+09	1,182601E+09	9,687164E+08
-1592	7,173264E+08	4,958058E+08	3,674352E+08	3,674314E+08	4,958025E+08	7,173312E+08	9,687350E+08	1,182635E+09	1,305637E+09	1,305636E+09	1,182640E+09	9,687552E+08
-1591	7,173582E+08	4,958107E+08	3,674238E+08	3,674265E+08	4,958099E+08	7,173484E+08	9,687570E+08	1,182657E+09	1,305657E+09	1,305649E+09	1,182631E+09	9,687144E+08
-1590	7,173068E+08	4,957753E+08	3,673962E+08	3,673948E+08	4,957747E+08	7,173176E+08	9,687379E+08	1,182651E+09	1,305660E+09	1,305659E+09	1,182649E+09	9,687352E+08
-1589	7,173229E+08	4,957899E+08	3,674068E+08	3,674000E+08	4,957791E+08	7,173219E+08	9,687391E+08	1,182652E+09	1,305671E+09	1,305683E+09	1,182681E+09	9,687687E+08
-1588	7,173365E+08	4,957764E+08	3,673914E+08	3,673965E+08	4,957877E+08	7,173395E+08	9,687569E+08	1,182660E+09	1,305665E+09	1,305660E+09	1,182640E+09	9,687194E+08
-1587	7,173022E+08	4,957608E+08	3,673830E+08	3,673866E+08	4,957713E+08	7,173144E+08	9,687292E+08	1,182637E+09	1,305648E+09	1,305656E+09	1,182655E+09	9,687552E+08
-1586	7,173513E+08	4,958046E+08	3,674083E+08	3,674034E+08	4,957903E+08	7,173372E+08	9,687485E+08	1,182646E+09	1,305647E+09	1,305651E+09	1,182656E+09	9,687531E+08
-1585	7,173327E+08	4,957876E+08	3,674064E+08	3,674070E+08	4,957882E+08	7,173316E+08	9,687510E+08	1,182659E+09	1,305651E+09	1,305624E+09	1,182604E+09	9,687066E+08
-1584	7,173132E+08	4,957935E+08	3,674271E+08	3,674259E+08	4,957948E+08	7,173175E+08	9,687193E+08	1,182624E+09	1,305634E+09	1,305635E+09	1,182632E+09	9,687438E+08
-1583	7,173592E+08	4,958301E+08	3,674528E+08	3,674569E+08	4,958344E+08	7,173557E+08	9,687379E+08	1,182617E+09	1,305613E+09	1,305619E+09	1,182620E+09	9,687174E+08
-1582	7,173230E+08	4,958115E+08	3,674505E+08	3,674563E+08	4,958291E+08	7,173498E+08	9,687346E+08	1,182608E+09	1,305590E+09	1,305588E+09	1,182600E+09	9,687189E+08
-1581	7,173417E+08	4,958413E+08	3,674812E+08	3,674781E+08	4,958399E+08	7,173495E+08	9,687268E+08	1,182599E+09	1,305586E+09	1,305593E+09	1,182618E+09	9,687569E+08
-1580	7,173808E+08	4,958605E+08	3,674935E+08	3,674976E+08	4,958657E+08	7,173754E+08	9,687446E+08	1,182606E+09	1,305578E+09	1,305565E+09	1,182571E+09	9,686990E+08
-1579	7,173391E+08	4,958486E+08	3,674961E+08	3,674965E+08	4,958503E+08	7,173448E+08	9,687117E+08	1,182582E+09	1,305566E+09	1,305561E+09	1,182578E+09	9,687223E+08
-1578	7,173769E+08	4,958873E+08	3,675229E+08	3,675148E+08	4,958661E+08	7,173564E+08	9,687136E+08	1,182576E+09	1,305565E+09	1,305577E+09	1,182604E+09	9,687396E+08
-1577	7,173679E+08	4,958666E+08	3,675119E+08	3,675151E+08	4,958720E+08	7,173660E+08	9,687279E+08	1,182592E+09	1,305569E+09	1,305556E+09	1,182563E+09	9,686918E+08
-1576	7,173322E+08	4,958460E+08	3,674994E+08	3,675014E+08	4,958555E+08	7,173482E+08	9,687091E+08	1,182574E+09	1,305563E+09	1,305574E+09	1,182599E+09	9,687373E+08
-1575	7,173763E+08	4,958701E+08	3,675015E+08	3,675017E+08	4,958674E+08	7,173728E+08	9,687358E+08	1,182591E+09	1,305569E+09	1,305576E+09	1,182602E+09	9,687266E+08
-1574	7,173430E+08	4,958337E+08	3,674710E+08	3,674721E+08	4,958390E+08	7,173565E+08	9,687431E+08	1,182617E+09	1,305591E+09	1,305575E+09	1,182580E+09	9,687064E+08
-1573	7,173346E+08	4,958300E+08	3,674656E+08	3,674593E+08	4,958181E+08	7,173308E+08	9,687230E+08	1,182617E+09	1,305618E+09	1,305620E+09	1,182626E+09	9,687476E+08
-1572	7,173663E+08	4,958372E+08	3,674580E+08	3,674594E+08	4,958337E+08	7,173547E+08	9,687402E+08	1,182625E+09	1,305621E+09	1,305620E+09	1,182614E+09	9,687073E+08
-1571	7,173118E+08	4,957978E+08	3,674316E+08	3,674339E+08	4,958062E+08	7,173301E+08	9,687253E+08	1,182618E+09	1,305619E+09	1,305619E+09	1,182622E+09	9,687296E+08
-1570	7,173376E+08	4,958167E+08	3,674402E+08	3,674344E+08	4,958050E+08	7,173310E+08	9,687260E+08	1,182615E+09	1,305619E+09	1,305636E+09	1,182654E+09	9,687657E+08
-1569	7,173540E+08	4,958095E+08	3,674308E+08	3,674344E+08	4,958135E+08	7,173465E+08	9,687496E+08	1,182642E+09	1,305628E+09	1,305611E+09	1,182603E+09	9,687061E+08
-1568	7,173133E+08	4,957908E+08	3,674219E+08	3,674245E+08	4,957978E+08	7,173248E+08	9,687258E+08	1,182622E+09	1,305620E+09	1,305617E+09	1,182619E+09	9,687351E+08
-1567	7,173567E+08	4,958357E+08	3,674535E+08	3,674481E+08	4,958193E+08	7,173413E+08	9,687299E+08	1,182614E+09	1,305609E+09	1,305613E+09	1,182624E+09	9,687353E+08
-1566	7,173392E+08	4,958191E+08	3,674521E+08	3,674555E+08	4,958268E+08	7,173473E+08	9,687379E+08	1,182621E+09	1,305605E+09	1,305589E+09	1,182584E+09	9,686969E+08
-1565	7,173211E+08	4,958223E+08	3,674683E+08	3,674696E+08	4,958292E+08	7,173336E+08	9,687115E+08	1,182594E+09	1,305594E+09	1,305602E+09	1,182615E+09	9,687419E+08
-1564	7,173726E+08	4,958619E+08	3,674944E+08	3,674991E+08	4,958690E+08	7,173753E+08	9,687340E+08	1,182587E+09	1,305563E+09	1,305568E+09	1,182589E+09	9,687114E+08
-1563	7,173375E+08	4,958439E+08	3,674944E+08	3,675015E+08	4,958638E+08	7,173654E+08	9,687305E+08	1,182587E+09	1,305552E+09	1,305539E+09	1,182558E+09	9,687071E+08
-1562	7,173617E+08	4,958793E+08	3,675251E+08	3,675186E+08	4,958655E+08	7,173533E+08	9,687097E+08	1,182567E+09	1,305546E+09	1,305552E+09	1,182587E+09	9,687442E+08
-1561	7,173944E+08	4,958989E+08	3,675422E+08	3,675432E+08	4,958934E+08	7,173757E+08	9,687258E+08	1,182579E+09	1,305546E+09	1,305529E+09	1,182541E+09	9,686836E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1560	7,173438E+08	4,958756E+08	3,675370E+08	3,675400E+08	4,958837E+08	7,173561E+08	9,686979E+08	1,182551E+09	1,305529E+09	1,305529E+09	1,182555E+09	9,687104E+08
-1559	7,173795E+08	4,959103E+08	3,675610E+08	3,675559E+08	4,958979E+08	7,173676E+08	9,686966E+08	1,182535E+09	1,305513E+09	1,305531E+09	1,182578E+09	9,687343E+08
-1558	7,173788E+08	4,958914E+08	3,675459E+08	3,675517E+08	4,959034E+08	7,173845E+08	9,687258E+08	1,182561E+09	1,305518E+09	1,305511E+09	1,182538E+09	9,686874E+08
-1557	7,173459E+08	4,958716E+08	3,675291E+08	3,675296E+08	4,958752E+08	7,173566E+08	9,687077E+08	1,182561E+09	1,305536E+09	1,305539E+09	1,182572E+09	9,687285E+08
-1556	7,173879E+08	4,958995E+08	3,675351E+08	3,675311E+08	4,958875E+08	7,173803E+08	9,687293E+08	1,182575E+09	1,305542E+09	1,305540E+09	1,182569E+09	9,687106E+08
-1555	7,173487E+08	4,958603E+08	3,675087E+08	3,675095E+08	4,958646E+08	7,173623E+08	9,687320E+08	1,182598E+09	1,305569E+09	1,305548E+09	1,182550E+09	9,686910E+08
-1554	7,173421E+08	4,958551E+08	3,674991E+08	3,674932E+08	4,958423E+08	7,173345E+08	9,687032E+08	1,182583E+09	1,305584E+09	1,305595E+09	1,182611E+09	9,687421E+08
-1553	7,173735E+08	4,958626E+08	3,674940E+08	3,674962E+08	4,958607E+08	7,173629E+08	9,687306E+08	1,182602E+09	1,305588E+09	1,305587E+09	1,182594E+09	9,687041E+08
-1552	7,173193E+08	4,958179E+08	3,674619E+08	3,674675E+08	4,958342E+08	7,173452E+08	9,687248E+08	1,182601E+09	1,305586E+09	1,305583E+09	1,182597E+09	9,687224E+08
-1551	7,173465E+08	4,958419E+08	3,674750E+08	3,674693E+08	4,958299E+08	7,173378E+08	9,687141E+08	1,182588E+09	1,305580E+09	1,305592E+09	1,182621E+09	9,687567E+08
-1550	7,173689E+08	4,958426E+08	3,674714E+08	3,674734E+08	4,958419E+08	7,173570E+08	9,687403E+08	1,182613E+09	1,305589E+09	1,305575E+09	1,182575E+09	9,686935E+08
-1549	7,173235E+08	4,958224E+08	3,674633E+08	3,674642E+08	4,958234E+08	7,173288E+08	9,687110E+08	1,182596E+09	1,305589E+09	1,305588E+09	1,182596E+09	9,687222E+08
-1548	7,173627E+08	4,958668E+08	3,674974E+08	3,674931E+08	4,958557E+08	7,173562E+08	9,687143E+08	1,182575E+09	1,305562E+09	1,305570E+09	1,182595E+09	9,687240E+08
-1547	7,173460E+08	4,958482E+08	3,674969E+08	3,675042E+08	4,958677E+08	7,173679E+08	9,687300E+08	1,182586E+09	1,305556E+09	1,305540E+09	1,182548E+09	9,686882E+08
-1546	7,173369E+08	4,958537E+08	3,675083E+08	3,675104E+08	4,958606E+08	7,173469E+08	9,687016E+08	1,182559E+09	1,305542E+09	1,305551E+09	1,182584E+09	9,687374E+08
-1545	7,173912E+08	4,958993E+08	3,675400E+08	3,675423E+08	4,958978E+08	7,173826E+08	9,687270E+08	1,182570E+09	1,305528E+09	1,305520E+09	1,182551E+09	9,687001E+08
-1544	7,173511E+08	4,958779E+08	3,675385E+08	3,675439E+08	4,958925E+08	7,173730E+08	9,687204E+08	1,182566E+09	1,305522E+09	1,305502E+09	1,182524E+09	9,686902E+08
-1543	7,173693E+08	4,959128E+08	3,675727E+08	3,675647E+08	4,958952E+08	7,173549E+08	9,686844E+08	1,182527E+09	1,305503E+09	1,305514E+09	1,182558E+09	9,687318E+08
-1542	7,174043E+08	4,959312E+08	3,675873E+08	3,675897E+08	4,959303E+08	7,173902E+08	9,687097E+08	1,182535E+09	1,305494E+09	1,305493E+09	1,182522E+09	9,686757E+08
-1541	7,173523E+08	4,959026E+08	3,675747E+08	3,675787E+08	4,959143E+08	7,173716E+08	9,686927E+08	1,182523E+09	1,305488E+09	1,305492E+09	1,182533E+09	9,687055E+08
-1540	7,173897E+08	4,959366E+08	3,675955E+08	3,675917E+08	4,959294E+08	7,173873E+08	9,686962E+08	1,182512E+09	1,305470E+09	1,305482E+09	1,182542E+09	9,687236E+08
-1539	7,173897E+08	4,959180E+08	3,675810E+08	3,675875E+08	4,959323E+08	7,174001E+08	9,687270E+08	1,182550E+09	1,305493E+09	1,305471E+09	1,182498E+09	9,686720E+08
-1538	7,173586E+08	4,959001E+08	3,675624E+08	3,675595E+08	4,958938E+08	7,173591E+08	9,686965E+08	1,182542E+09	1,305513E+09	1,305515E+09	1,182549E+09	9,687164E+08
-1537	7,173941E+08	4,959266E+08	3,675730E+08	3,675667E+08	4,959081E+08	7,173782E+08	9,687150E+08	1,182560E+09	1,305524E+09	1,305519E+09	1,182551E+09	9,686997E+08
-1536	7,173494E+08	4,958785E+08	3,675401E+08	3,675438E+08	4,958913E+08	7,173707E+08	9,687188E+08	1,182573E+09	1,305544E+09	1,305528E+09	1,182539E+09	9,686859E+08
-1535	7,173448E+08	4,958742E+08	3,675310E+08	3,675266E+08	4,958675E+08	7,173414E+08	9,686848E+08	1,182542E+09	1,305537E+09	1,305558E+09	1,182594E+09	9,687438E+08
-1534	7,173879E+08	4,958873E+08	3,675258E+08	3,675285E+08	4,958870E+08	7,173757E+08	9,687225E+08	1,182567E+09	1,305538E+09	1,305545E+09	1,182571E+09	9,687017E+08
-1533	7,173366E+08	4,958475E+08	3,674954E+08	3,674979E+08	4,958549E+08	7,173522E+08	9,687179E+08	1,182580E+09	1,305552E+09	1,305543E+09	1,182565E+09	9,687129E+08
-1532	7,173609E+08	4,958754E+08	3,675149E+08	3,675064E+08	4,958571E+08	7,173466E+08	9,687006E+08	1,182559E+09	1,305539E+09	1,305543E+09	1,182579E+09	9,687368E+08
-1531	7,173764E+08	4,958742E+08	3,675167E+08	3,675200E+08	4,958778E+08	7,173699E+08	9,687283E+08	1,182584E+09	1,305552E+09	1,305533E+09	1,182536E+09	9,686748E+08
-1530	7,173317E+08	4,958522E+08	3,675055E+08	3,675080E+08	4,958578E+08	7,173418E+08	9,686967E+08	1,182560E+09	1,305546E+09	1,305552E+09	1,182572E+09	9,687126E+08
-1529	7,173687E+08	4,958948E+08	3,675407E+08	3,675379E+08	4,958895E+08	7,173713E+08	9,687125E+08	1,182556E+09	1,305524E+09	1,305528E+09	1,182566E+09	9,687157E+08
-1528	7,173543E+08	4,958733E+08	3,675347E+08	3,675451E+08	4,959013E+08	7,173868E+08	9,687320E+08	1,182571E+09	1,305525E+09	1,305502E+09	1,182519E+09	9,686785E+08
-1527	7,173485E+08	4,958856E+08	3,675506E+08	3,675501E+08	4,958874E+08	7,173531E+08	9,686868E+08	1,182530E+09	1,305503E+09	1,305509E+09	1,182551E+09	9,687289E+08
-1526	7,174091E+08	4,959372E+08	3,675869E+08	3,675855E+08	4,959266E+08	7,173891E+08	9,687099E+08	1,182533E+09	1,305487E+09	1,305487E+09	1,182526E+09	9,686896E+08
-1525	7,173655E+08	4,959143E+08	3,675854E+08	3,675884E+08	4,959209E+08	7,173752E+08	9,686984E+08	1,182530E+09	1,305485E+09	1,305471E+09	1,182502E+09	9,686818E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1524	7,173801E+08	4,959456E+08	3,676178E+08	3,676116E+08	4,959338E+08	7,173691E+08	9,686632E+08	1,182480E+09	1,305447E+09	1,305464E+09	1,182527E+09	9,687224E+08
-1523	7,174146E+08	4,959610E+08	3,676310E+08	3,676365E+08	4,959700E+08	7,174117E+08	9,687035E+08	1,182500E+09	1,305441E+09	1,305438E+09	1,182483E+09	9,686667E+08
-1522	7,173681E+08	4,959323E+08	3,676118E+08	3,676152E+08	4,959424E+08	7,173852E+08	9,686879E+08	1,182497E+09	1,305444E+09	1,305445E+09	1,182501E+09	9,686953E+08
-1521	7,174013E+08	4,959670E+08	3,676348E+08	3,676278E+08	4,959527E+08	7,173950E+08	9,686968E+08	1,182507E+09	1,305447E+09	1,305444E+09	1,182505E+09	9,687061E+08
-1520	7,173955E+08	4,959430E+08	3,676164E+08	3,676219E+08	4,959563E+08	7,174084E+08	9,687219E+08	1,182539E+09	1,305480E+09	1,305452E+09	1,182473E+09	9,686541E+08
-1519	7,173589E+08	4,959227E+08	3,675981E+08	3,675944E+08	4,959168E+08	7,173603E+08	9,686754E+08	1,182511E+09	1,305484E+09	1,305493E+09	1,182534E+09	9,687100E+08
-1518	7,174014E+08	4,959490E+08	3,676064E+08	3,676017E+08	4,959366E+08	7,173897E+08	9,687005E+08	1,182521E+09	1,305485E+09	1,305498E+09	1,182543E+09	9,687008E+08
-1517	7,173602E+08	4,958995E+08	3,675693E+08	3,675731E+08	4,959131E+08	7,173795E+08	9,687108E+08	1,182547E+09	1,305507E+09	1,305498E+09	1,182524E+09	9,686877E+08
-1516	7,173587E+08	4,958979E+08	3,675610E+08	3,675579E+08	4,958944E+08	7,173549E+08	9,686771E+08	1,182513E+09	1,305490E+09	1,305508E+09	1,182559E+09	9,687359E+08
-1515	7,174032E+08	4,959171E+08	3,675625E+08	3,675637E+08	4,959141E+08	7,173882E+08	9,687177E+08	1,182546E+09	1,305502E+09	1,305497E+09	1,182527E+09	9,686851E+08
-1514	7,173504E+08	4,958791E+08	3,675339E+08	3,675325E+08	4,958772E+08	7,173564E+08	9,687045E+08	1,182554E+09	1,305519E+09	1,305508E+09	1,182534E+09	9,686950E+08
-1513	7,173657E+08	4,959046E+08	3,675586E+08	3,675495E+08	4,958859E+08	7,173528E+08	9,686909E+08	1,182541E+09	1,305511E+09	1,305510E+09	1,182548E+09	9,687181E+08
-1512	7,173769E+08	4,958961E+08	3,675547E+08	3,675625E+08	4,959137E+08	7,173875E+08	9,687208E+08	1,182558E+09	1,305520E+09	1,305503E+09	1,182513E+09	9,686633E+08
-1511	7,173347E+08	4,958759E+08	3,675443E+08	3,675478E+08	4,958887E+08	7,173546E+08	9,686844E+08	1,182523E+09	1,305497E+09	1,305509E+09	1,182548E+09	9,687109E+08
-1510	7,173855E+08	4,959248E+08	3,675803E+08	3,675771E+08	4,959195E+08	7,173850E+08	9,687044E+08	1,182523E+09	1,305477E+09	1,305487E+09	1,182540E+09	9,687114E+08
-1509	7,173744E+08	4,959093E+08	3,675774E+08	3,675831E+08	4,959247E+08	7,173909E+08	9,687197E+08	1,182547E+09	1,305491E+09	1,305465E+09	1,182490E+09	9,686701E+08
-1508	7,173662E+08	4,959250E+08	3,675992E+08	3,675961E+08	4,959200E+08	7,173596E+08	9,686645E+08	1,182490E+09	1,305455E+09	1,305462E+09	1,182513E+09	9,687134E+08
-1507	7,174225E+08	4,959754E+08	3,676392E+08	3,676379E+08	4,959660E+08	7,174017E+08	9,686911E+08	1,182493E+09	1,305439E+09	1,305440E+09	1,182488E+09	9,686747E+08
-1506	7,173783E+08	4,959485E+08	3,676326E+08	3,676361E+08	4,959583E+08	7,173907E+08	9,686834E+08	1,182488E+09	1,305433E+09	1,305427E+09	1,182476E+09	9,686726E+08
-1505	7,173893E+08	4,959753E+08	3,676624E+08	3,676577E+08	4,959691E+08	7,173877E+08	9,686660E+08	1,182462E+09	1,305404E+09	1,305415E+09	1,182490E+09	9,687084E+08
-1504	7,174216E+08	4,959845E+08	3,676668E+08	3,676757E+08	4,960037E+08	7,174334E+08	9,687102E+08	1,182491E+09	1,305415E+09	1,305402E+09	1,182451E+09	9,686514E+08
-1503	7,173746E+08	4,959590E+08	3,676486E+08	3,676489E+08	4,959654E+08	7,173932E+08	9,686806E+08	1,182478E+09	1,305417E+09	1,305414E+09	1,182474E+09	9,686840E+08
-1502	7,174109E+08	4,959934E+08	3,676710E+08	3,676616E+08	4,959747E+08	7,174000E+08	9,686843E+08	1,182480E+09	1,305423E+09	1,305428E+09	1,182490E+09	9,686958E+08
-1501	7,174032E+08	4,959676E+08	3,676508E+08	3,676546E+08	4,959764E+08	7,174082E+08	9,687034E+08	1,182513E+09	1,305456E+09	1,305438E+09	1,182466E+09	9,686523E+08
-1500	7,173680E+08	4,959453E+08	3,676300E+08	3,676289E+08	4,959455E+08	7,173688E+08	9,686534E+08	1,182466E+09	1,305435E+09	1,305454E+09	1,182513E+09	9,687079E+08
-1499	7,174142E+08	4,959730E+08	3,676392E+08	3,676359E+08	4,959643E+08	7,174030E+08	9,686913E+08	1,182487E+09	1,305434E+09	1,305447E+09	1,182510E+09	9,686978E+08
-1498	7,173794E+08	4,959274E+08	3,676015E+08	3,676032E+08	4,959340E+08	7,173865E+08	9,687013E+08	1,182518E+09	1,305461E+09	1,305450E+09	1,182492E+09	9,686787E+08
-1497	7,173729E+08	4,959287E+08	3,675994E+08	3,675922E+08	4,959147E+08	7,173602E+08	9,686751E+08	1,182503E+09	1,305460E+09	1,305462E+09	1,182515E+09	9,687130E+08
-1496	7,174081E+08	4,959432E+08	3,676005E+08	3,676017E+08	4,959418E+08	7,173993E+08	9,687124E+08	1,182530E+09	1,305480E+09	1,305469E+09	1,182495E+09	9,686610E+08
-1495	7,173495E+08	4,959044E+08	3,675742E+08	3,675726E+08	4,959063E+08	7,173645E+08	9,686880E+08	1,182521E+09	1,305483E+09	1,305479E+09	1,182512E+09	9,686820E+08
-1494	7,173697E+08	4,959275E+08	3,675964E+08	3,675904E+08	4,959200E+08	7,173706E+08	9,686820E+08	1,182506E+09	1,305472E+09	1,305485E+09	1,182533E+09	9,687115E+08
-1493	7,173862E+08	4,959206E+08	3,675907E+08	3,675995E+08	4,959417E+08	7,174009E+08	9,687169E+08	1,182536E+09	1,305485E+09	1,305472E+09	1,182496E+09	9,686630E+08
-1492	7,173511E+08	4,959052E+08	3,675820E+08	3,675875E+08	4,959210E+08	7,173677E+08	9,686735E+08	1,182492E+09	1,305452E+09	1,305460E+09	1,182513E+09	9,687038E+08
-1491	7,174062E+08	4,959628E+08	3,676265E+08	3,676206E+08	4,959500E+08	7,173955E+08	9,686935E+08	1,182495E+09	1,305437E+09	1,305439E+09	1,182501E+09	9,687000E+08
-1490	7,173945E+08	4,959496E+08	3,676272E+08	3,676287E+08	4,959527E+08	7,173933E+08	9,686977E+08	1,182508E+09	1,305446E+09	1,305427E+09	1,182462E+09	9,686571E+08
-1489	7,173776E+08	4,959622E+08	3,676521E+08	3,676484E+08	4,959555E+08	7,173692E+08	9,686510E+08	1,182458E+09	1,305409E+09	1,305417E+09	1,182480E+09	9,686967E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1488	7,174280E+08	4,960037E+08	3,676842E+08	3,676874E+08	4,960082E+08	7,174245E+08	9,686842E+08	1,182458E+09	1,305393E+09	1,305397E+09	1,182458E+09	9,686604E+08
-1487	7,173837E+08	4,959760E+08	3,676742E+08	3,676787E+08	4,959924E+08	7,174085E+08	9,686765E+08	1,182454E+09	1,305379E+09	1,305375E+09	1,182443E+09	9,686649E+08
-1486	7,174037E+08	4,960039E+08	3,677006E+08	3,676964E+08	4,959996E+08	7,174045E+08	9,686640E+08	1,182438E+09	1,305368E+09	1,305377E+09	1,182459E+09	9,686959E+08
-1485	7,174354E+08	4,960153E+08	3,677042E+08	3,677089E+08	4,960234E+08	7,174371E+08	9,687029E+08	1,182476E+09	1,305393E+09	1,305374E+09	1,182426E+09	9,686409E+08
-1484	7,173855E+08	4,959880E+08	3,676867E+08	3,676868E+08	4,959916E+08	7,173964E+08	9,686612E+08	1,182447E+09	1,305383E+09	1,305382E+09	1,182448E+09	9,686721E+08
-1483	7,174206E+08	4,960218E+08	3,677104E+08	3,677014E+08	4,960035E+08	7,174081E+08	9,686682E+08	1,182448E+09	1,305386E+09	1,305394E+09	1,182468E+09	9,686894E+08
-1482	7,174142E+08	4,959931E+08	3,676852E+08	3,676887E+08	4,960009E+08	7,174155E+08	9,686879E+08	1,182476E+09	1,305411E+09	1,305405E+09	1,182452E+09	9,686506E+08
-1481	7,173787E+08	4,959694E+08	3,676642E+08	3,676633E+08	4,959701E+08	7,173812E+08	9,686549E+08	1,182449E+09	1,305394E+09	1,305408E+09	1,182481E+09	9,686974E+08
-1480	7,174236E+08	4,959946E+08	3,676688E+08	3,676675E+08	4,959902E+08	7,174178E+08	9,686919E+08	1,182473E+09	1,305406E+09	1,305410E+09	1,182478E+09	9,686801E+08
-1479	7,173855E+08	4,959540E+08	3,676359E+08	3,676341E+08	4,959542E+08	7,173919E+08	9,686915E+08	1,182495E+09	1,305430E+09	1,305415E+09	1,182461E+09	9,686632E+08
-1478	7,173799E+08	4,959542E+08	3,676361E+08	3,676286E+08	4,959398E+08	7,173670E+08	9,686625E+08	1,182476E+09	1,305434E+09	1,305443E+09	1,182494E+09	9,686953E+08
-1477	7,174106E+08	4,959665E+08	3,676362E+08	3,676384E+08	4,959676E+08	7,174056E+08	9,686990E+08	1,182505E+09	1,305453E+09	1,305449E+09	1,182483E+09	9,686553E+08
-1476	7,173559E+08	4,959264E+08	3,676088E+08	3,676127E+08	4,959409E+08	7,173794E+08	9,686737E+08	1,182481E+09	1,305434E+09	1,305438E+09	1,182489E+09	9,686788E+08
-1475	7,173835E+08	4,959546E+08	3,676336E+08	3,676294E+08	4,959512E+08	7,173874E+08	9,686778E+08	1,182476E+09	1,305423E+09	1,305434E+09	1,182501E+09	9,687085E+08
-1474	7,174069E+08	4,959545E+08	3,676305E+08	3,676364E+08	4,959662E+08	7,174078E+08	9,687058E+08	1,182507E+09	1,305441E+09	1,305426E+09	1,182467E+09	9,686565E+08
-1473	7,173704E+08	4,959445E+08	3,676305E+08	3,676317E+08	4,959475E+08	7,173740E+08	9,686664E+08	1,182472E+09	1,305413E+09	1,305411E+09	1,182470E+09	9,686842E+08
-1472	7,174171E+08	4,959977E+08	3,676748E+08	3,676698E+08	4,959854E+08	7,174067E+08	9,686799E+08	1,182465E+09	1,305401E+09	1,305403E+09	1,182468E+09	9,686789E+08
-1471	7,174002E+08	4,959843E+08	3,676771E+08	3,676787E+08	4,959901E+08	7,174055E+08	9,686785E+08	1,182464E+09	1,305394E+09	1,305383E+09	1,182435E+09	9,686463E+08
-1470	7,173870E+08	4,959921E+08	3,676971E+08	3,676963E+08	4,959948E+08	7,173901E+08	9,686426E+08	1,182419E+09	1,305361E+09	1,305377E+09	1,182453E+09	9,686850E+08
-1469	7,174374E+08	4,960318E+08	3,677240E+08	3,677283E+08	4,960396E+08	7,174411E+08	9,686846E+08	1,182439E+09	1,305356E+09	1,305357E+09	1,182432E+09	9,686546E+08
-1468	7,173986E+08	4,960057E+08	3,677123E+08	3,677189E+08	4,960246E+08	7,174220E+08	9,686694E+08	1,182428E+09	1,305339E+09	1,305328E+09	1,182405E+09	9,686517E+08
-1467	7,174186E+08	4,960372E+08	3,677416E+08	3,677349E+08	4,960256E+08	7,174133E+08	9,686566E+08	1,182418E+09	1,305337E+09	1,305338E+09	1,182426E+09	9,686824E+08
-1466	7,174476E+08	4,960481E+08	3,677461E+08	3,677476E+08	4,960458E+08	7,174359E+08	9,686819E+08	1,182446E+09	1,305362E+09	1,305350E+09	1,182411E+09	9,686338E+08
-1465	7,173945E+08	4,960172E+08	3,677284E+08	3,677282E+08	4,960184E+08	7,174013E+08	9,686472E+08	1,182418E+09	1,305345E+09	1,305347E+09	1,182425E+09	9,686626E+08
-1464	7,174261E+08	4,960436E+08	3,677444E+08	3,677391E+08	4,960345E+08	7,174227E+08	9,686587E+08	1,182416E+09	1,305344E+09	1,305359E+09	1,182447E+09	9,686813E+08
-1463	7,174220E+08	4,960176E+08	3,677180E+08	3,677209E+08	4,960245E+08	7,174245E+08	9,686770E+08	1,182441E+09	1,305361E+09	1,305357E+09	1,182424E+09	9,686459E+08
-1462	7,173926E+08	4,959956E+08	3,676964E+08	3,676949E+08	4,959937E+08	7,173917E+08	9,686482E+08	1,182425E+09	1,305360E+09	1,305371E+09	1,182449E+09	9,686819E+08
-1461	7,174328E+08	4,960220E+08	3,677026E+08	3,676982E+08	4,960092E+08	7,174218E+08	9,686847E+08	1,182459E+09	1,305384E+09	1,305382E+09	1,182452E+09	9,686663E+08
-1460	7,173920E+08	4,959789E+08	3,676712E+08	3,676726E+08	4,959837E+08	7,173992E+08	9,686757E+08	1,182466E+09	1,305396E+09	1,305381E+09	1,182433E+09	9,686479E+08
-1459	7,173855E+08	4,959791E+08	3,676728E+08	3,676685E+08	4,959724E+08	7,173824E+08	9,686550E+08	1,182449E+09	1,305398E+09	1,305406E+09	1,182472E+09	9,686876E+08
-1458	7,174174E+08	4,959905E+08	3,676714E+08	3,676751E+08	4,959955E+08	7,174178E+08	9,686912E+08	1,182476E+09	1,305413E+09	1,305415E+09	1,182469E+09	9,686549E+08
-1457	7,173679E+08	4,959527E+08	3,676460E+08	3,676508E+08	4,959683E+08	7,173941E+08	9,686785E+08	1,182467E+09	1,305397E+09	1,305393E+09	1,182458E+09	9,686696E+08
-1456	7,173966E+08	4,959832E+08	3,676703E+08	3,676671E+08	4,959800E+08	7,174011E+08	9,686755E+08	1,182460E+09	1,305394E+09	1,305397E+09	1,182469E+09	9,686928E+08
-1455	7,174184E+08	4,959903E+08	3,676741E+08	3,676753E+08	4,959900E+08	7,174107E+08	9,686884E+08	1,182474E+09	1,305401E+09	1,305387E+09	1,182436E+09	9,686445E+08
-1454	7,173832E+08	4,959801E+08	3,676784E+08	3,676792E+08	4,959803E+08	7,173810E+08	9,686451E+08	1,182433E+09	1,305375E+09	1,305379E+09	1,182444E+09	9,686692E+08
-1453	7,174258E+08	4,960301E+08	3,677205E+08	3,677165E+08	4,960194E+08	7,174156E+08	9,686610E+08	1,182427E+09	1,305356E+09	1,305365E+09	1,182447E+09	9,686725E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1452	7,174105E+08	4,960131E+08	3,677199E+08	3,677275E+08	4,960312E+08	7,174231E+08	9,686636E+08	1,182418E+09	1,305332E+09	1,305326E+09	1,182400E+09	9,686387E+08
-1451	7,174030E+08	4,960252E+08	3,677403E+08	3,677409E+08	4,960303E+08	7,174098E+08	9,686414E+08	1,182392E+09	1,305308E+09	1,305316E+09	1,182413E+09	9,686748E+08
-1450	7,174529E+08	4,960670E+08	3,677669E+08	3,677679E+08	4,960651E+08	7,174482E+08	9,686758E+08	1,182416E+09	1,305317E+09	1,305313E+09	1,182399E+09	9,686434E+08
-1449	7,174130E+08	4,960425E+08	3,677591E+08	3,677617E+08	4,960503E+08	7,174291E+08	9,686653E+08	1,182413E+09	1,305310E+09	1,305289E+09	1,182369E+09	9,686317E+08
-1448	7,174250E+08	4,960670E+08	3,677839E+08	3,67786E+08	4,960573E+08	7,174224E+08	9,686432E+08	1,182393E+09	1,305311E+09	1,305314E+09	1,182403E+09	9,686644E+08
-1447	7,174503E+08	4,960763E+08	3,677862E+08	3,677878E+08	4,960755E+08	7,174440E+08	9,686626E+08	1,182406E+09	1,305317E+09	1,305316E+09	1,182395E+09	9,686311E+08
-1446	7,174034E+08	4,960414E+08	3,677639E+08	3,677665E+08	4,960497E+08	7,174161E+08	9,686365E+08	1,182385E+09	1,305305E+09	1,305315E+09	1,182405E+09	9,686579E+08
-1445	7,174359E+08	4,960659E+08	3,677743E+08	3,677701E+08	4,960579E+08	7,174326E+08	9,686549E+08	1,182397E+09	1,305311E+09	1,305323E+09	1,182425E+09	9,686789E+08
-1444	7,174354E+08	4,960416E+08	3,677480E+08	3,677534E+08	4,960505E+08	7,174339E+08	9,686681E+08	1,182417E+09	1,305323E+09	1,305313E+09	1,182389E+09	9,686336E+08
-1443	7,174050E+08	4,960247E+08	3,677313E+08	3,677279E+08	4,960163E+08	7,174002E+08	9,686435E+08	1,182408E+09	1,305331E+09	1,305333E+09	1,182417E+09	9,686659E+08
-1442	7,174371E+08	4,960484E+08	3,677391E+08	3,677334E+08	4,960316E+08	7,174239E+08	9,686695E+08	1,182434E+09	1,305357E+09	1,305358E+09	1,182435E+09	9,686572E+08
-1441	7,173972E+08	4,960035E+08	3,677081E+08	3,677110E+08	4,960124E+08	7,174119E+08	9,686713E+08	1,182443E+09	1,305361E+09	1,305346E+09	1,182408E+09	9,686370E+08
-1440	7,173891E+08	4,959986E+08	3,677037E+08	3,677045E+08	4,960039E+08	7,174005E+08	9,686528E+08	1,182426E+09	1,305362E+09	1,305373E+09	1,182450E+09	9,686793E+08
-1439	7,174263E+08	4,960171E+08	3,677051E+08	3,677079E+08	4,960190E+08	7,174262E+08	9,686823E+08	1,182448E+09	1,305368E+09	1,305370E+09	1,182442E+09	9,686536E+08
-1438	7,173858E+08	4,959850E+08	3,676844E+08	3,676871E+08	4,959925E+08	7,173994E+08	9,686638E+08	1,182441E+09	1,305364E+09	1,305356E+09	1,182424E+09	9,686565E+08
-1437	7,174102E+08	4,960185E+08	3,677137E+08	3,677064E+08	4,960030E+08	7,174009E+08	9,686573E+08	1,182432E+09	1,305363E+09	1,305364E+09	1,182443E+09	9,686825E+08
-1436	7,174306E+08	4,960247E+08	3,677210E+08	3,677248E+08	4,960263E+08	7,174168E+08	9,686625E+08	1,182428E+09	1,305349E+09	1,305341E+09	1,182403E+09	9,686309E+08
-1435	7,173946E+08	4,960154E+08	3,677266E+08	3,677292E+08	4,960203E+08	7,173993E+08	9,686337E+08	1,182394E+09	1,305320E+09	1,305326E+09	1,182411E+09	9,686584E+08
-1434	7,174348E+08	4,960620E+08	3,677661E+08	3,677636E+08	4,960558E+08	7,174324E+08	9,686534E+08	1,182393E+09	1,305306E+09	1,305316E+09	1,182418E+09	9,686667E+08
-1433	7,174249E+08	4,960461E+08	3,677647E+08	3,677733E+08	4,960664E+08	7,174434E+08	9,686696E+08	1,182402E+09	1,305290E+09	1,305271E+09	1,182356E+09	9,686217E+08
-1432	7,174139E+08	4,960569E+08	3,677817E+08	3,677836E+08	4,960639E+08	7,174270E+08	9,686417E+08	1,182378E+09	1,305281E+09	1,305280E+09	1,182378E+09	9,686537E+08
-1431	7,174596E+08	4,961015E+08	3,678118E+08	3,678090E+08	4,960909E+08	7,174522E+08	9,686601E+08	1,182387E+09	1,305283E+09	1,305280E+09	1,182374E+09	9,686330E+08
-1430	7,174224E+08	4,960740E+08	3,678037E+08	3,678066E+08	4,960815E+08	7,174341E+08	9,686426E+08	1,182379E+09	1,305281E+09	1,305268E+09	1,182351E+09	9,686223E+08
-1429	7,174316E+08	4,960934E+08	3,678223E+08	3,678183E+08	4,960867E+08	7,174299E+08	9,686250E+08	1,182357E+09	1,305273E+09	1,305287E+09	1,182392E+09	9,686665E+08
-1428	7,174618E+08	4,960997E+08	3,678201E+08	3,678262E+08	4,961076E+08	7,174562E+08	9,686469E+08	1,182363E+09	1,305261E+09	1,305266E+09	1,182366E+09	9,686295E+08
-1427	7,174214E+08	4,960707E+08	3,677981E+08	3,678002E+08	4,960763E+08	7,174304E+08	9,686343E+08	1,182360E+09	1,305257E+09	1,305258E+09	1,182368E+09	9,686504E+08
-1426	7,174501E+08	4,960960E+08	3,678095E+08	3,678014E+08	4,960774E+08	7,174363E+08	9,686455E+08	1,182377E+09	1,305278E+09	1,305282E+09	1,182392E+09	9,686675E+08
-1425	7,174464E+08	4,960715E+08	3,677867E+08	3,677891E+08	4,960738E+08	7,174425E+08	9,686663E+08	1,182403E+09	1,305296E+09	1,305276E+09	1,182351E+09	9,686115E+08
-1424	7,174066E+08	4,960482E+08	3,677666E+08	3,677658E+08	4,960468E+08	7,174134E+08	9,686374E+08	1,182390E+09	1,305311E+09	1,305313E+09	1,182395E+09	9,686458E+08
-1423	7,174338E+08	4,960696E+08	3,677722E+08	3,677673E+08	4,960582E+08	7,174344E+08	9,686581E+08	1,182404E+09	1,305321E+09	1,305329E+09	1,182419E+09	9,686539E+08
-1422	7,174037E+08	4,960246E+08	3,677401E+08	3,677453E+08	4,960405E+08	7,174253E+08	9,686639E+08	1,182421E+09	1,305335E+09	1,305320E+09	1,182389E+09	9,686330E+08
-1421	7,173998E+08	4,960218E+08	3,677337E+08	3,677341E+08	4,960251E+08	7,174069E+08	9,686456E+08	1,182409E+09	1,305335E+09	1,305342E+09	1,182429E+09	9,686781E+08
-1420	7,174418E+08	4,960449E+08	3,677398E+08	3,677428E+08	4,960433E+08	7,174293E+08	9,686643E+08	1,182415E+09	1,305327E+09	1,305326E+09	1,182408E+09	9,686449E+08
-1419	7,174032E+08	4,960219E+08	3,677291E+08	3,677286E+08	4,960197E+08	7,174048E+08	9,686481E+08	1,182409E+09	1,305321E+09	1,305311E+09	1,182392E+09	9,686445E+08
-1418	7,174201E+08	4,960532E+08	3,677615E+08	3,677530E+08	4,960340E+08	7,174038E+08	9,686321E+08	1,182391E+09	1,305316E+09	1,305325E+09	1,182419E+09	9,686750E+08
-1417	7,174416E+08	4,960579E+08	3,677691E+08	3,677747E+08	4,960661E+08	7,174369E+08	9,686552E+08	1,182390E+09	1,305294E+09	1,305287E+09	1,182366E+09	9,686167E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1416	7,174028E+08	4,960448E+08	3,677698E+08	3,677767E+08	4,960618E+08	7,174243E+08	9,686336E+08	1,182366E+09	1,305272E+09	1,305276E+09	1,182373E+09	9,686405E+08
-1415	7,174425E+08	4,960941E+08	3,678087E+08	3,678053E+08	4,960875E+08	7,174472E+08	9,686483E+08	1,182366E+09	1,305259E+09	1,305263E+09	1,182378E+09	9,686553E+08
-1414	7,174398E+08	4,960816E+08	3,678099E+08	3,678168E+08	4,960974E+08	7,174537E+08	9,686588E+08	1,182382E+09	1,305265E+09	1,305237E+09	1,182320E+09	9,686045E+08
-1413	7,174239E+08	4,960902E+08	3,678257E+08	3,678252E+08	4,960909E+08	7,174310E+08	9,686270E+08	1,182355E+09	1,305257E+09	1,305256E+09	1,182357E+09	9,686455E+08
-1412	7,174693E+08	4,961307E+08	3,678551E+08	3,678555E+08	4,961254E+08	7,174588E+08	9,686366E+08	1,182345E+09	1,305238E+09	1,305243E+09	1,182351E+09	9,686283E+08
-1411	7,174364E+08	4,961060E+08	3,678466E+08	3,678499E+08	4,961153E+08	7,174491E+08	9,686313E+08	1,182342E+09	1,305230E+09	1,305223E+09	1,182329E+09	9,686206E+08
-1410	7,174433E+08	4,961216E+08	3,678611E+08	3,678567E+08	4,961147E+08	7,174401E+08	9,686144E+08	1,182325E+09	1,305227E+09	1,305244E+09	1,182368E+09	9,686666E+08
-1409	7,174792E+08	4,961297E+08	3,678570E+08	3,678616E+08	4,961347E+08	7,174722E+08	9,686495E+08	1,182344E+09	1,305221E+09	1,305216E+09	1,182324E+09	9,686130E+08
-1408	7,174318E+08	4,960986E+08	3,678329E+08	3,678340E+08	4,961026E+08	7,174440E+08	9,686337E+08	1,182348E+09	1,305234E+09	1,305225E+09	1,182331E+09	9,686253E+08
-1407	7,174522E+08	4,961234E+08	3,678462E+08	3,678350E+08	4,960987E+08	7,174395E+08	9,686328E+08	1,182354E+09	1,305251E+09	1,305253E+09	1,182366E+09	9,686535E+08
-1406	7,174507E+08	4,960954E+08	3,678229E+08	3,678266E+08	4,961013E+08	7,174477E+08	9,686471E+08	1,182377E+09	1,305277E+09	1,305259E+09	1,182334E+09	9,685999E+08
-1405	7,174077E+08	4,960662E+08	3,677965E+08	3,677977E+08	4,960722E+08	7,174227E+08	9,686256E+08	1,182363E+09	1,305281E+09	1,305292E+09	1,182387E+09	9,686480E+08
-1404	7,174423E+08	4,960870E+08	3,678011E+08	3,678003E+08	4,960846E+08	7,174441E+08	9,686451E+08	1,182367E+09	1,305272E+09	1,305286E+09	1,182395E+09	9,686545E+08
-1403	7,174224E+08	4,960536E+08	3,677736E+08	3,677765E+08	4,960627E+08	7,174341E+08	9,686570E+08	1,182395E+09	1,305289E+09	1,305272E+09	1,182359E+09	9,686279E+08
-1402	7,174154E+08	4,960549E+08	3,677737E+08	3,677690E+08	4,960454E+08	7,174067E+08	9,686273E+08	1,182379E+09	1,305299E+09	1,305303E+09	1,182399E+09	9,686703E+08
-1401	7,174584E+08	4,960811E+08	3,677860E+08	3,677854E+08	4,960720E+08	7,174379E+08	9,686521E+08	1,182384E+09	1,305286E+09	1,305281E+09	1,182368E+09	9,686238E+08
-1400	7,174105E+08	4,960538E+08	3,677751E+08	3,677773E+08	4,960599E+08	7,174229E+08	9,686377E+08	1,182376E+09	1,305280E+09	1,305272E+09	1,182359E+09	9,686224E+08
-1399	7,174224E+08	4,960829E+08	3,678058E+08	3,677992E+08	4,960718E+08	7,174226E+08	9,686231E+08	1,182353E+09	1,305263E+09	1,305276E+09	1,182387E+09	9,686659E+08
-1398	7,174516E+08	4,960864E+08	3,678119E+08	3,678208E+08	4,961047E+08	7,174575E+08	9,686517E+08	1,182368E+09	1,305259E+09	1,305245E+09	1,182332E+09	9,686042E+08
-1397	7,174131E+08	4,960734E+08	3,678088E+08	3,678158E+08	4,960923E+08	7,174397E+08	9,686334E+08	1,182352E+09	1,305245E+09	1,305242E+09	1,182345E+09	9,686323E+08
-1396	7,174549E+08	4,961236E+08	3,678501E+08	3,678468E+08	4,961165E+08	7,174550E+08	9,686351E+08	1,182338E+09	1,305223E+09	1,305224E+09	1,182345E+09	9,686431E+08
-1395	7,174557E+08	4,961194E+08	3,678577E+08	3,678611E+08	4,961263E+08	7,174598E+08	9,686437E+08	1,182352E+09	1,305227E+09	1,305202E+09	1,182297E+09	9,685961E+08
-1394	7,174349E+08	4,961242E+08	3,678730E+08	3,678713E+08	4,961214E+08	7,174333E+08	9,686005E+08	1,182313E+09	1,305215E+09	1,305224E+09	1,182341E+09	9,686457E+08
-1393	7,174846E+08	4,961626E+08	3,678993E+08	3,678997E+08	4,961601E+08	7,174758E+08	9,686265E+08	1,182304E+09	1,305183E+09	1,305193E+09	1,182320E+09	9,686211E+08
-1392	7,174507E+08	4,961359E+08	3,678869E+08	3,678917E+08	4,961501E+08	7,174685E+08	9,686280E+08	1,182312E+09	1,305181E+09	1,305174E+09	1,182293E+09	9,686061E+08
-1391	7,174554E+08	4,961525E+08	3,678986E+08	3,678914E+08	4,961388E+08	7,174487E+08	9,686055E+08	1,182297E+09	1,305181E+09	1,305192E+09	1,182329E+09	9,686532E+08
-1390	7,174921E+08	4,961608E+08	3,678965E+08	3,678985E+08	4,961599E+08	7,174783E+08	9,686373E+08	1,182326E+09	1,305201E+09	1,305185E+09	1,182289E+09	9,685919E+08
-1389	7,174358E+08	4,961242E+08	3,678690E+08	3,678685E+08	4,961261E+08	7,174491E+08	9,686223E+08	1,182329E+09	1,305216E+09	1,305208E+09	1,182313E+09	9,686118E+08
-1388	7,174523E+08	4,961403E+08	3,678787E+08	3,678720E+08	4,961275E+08	7,174480E+08	9,686161E+08	1,182320E+09	1,305215E+09	1,305225E+09	1,182346E+09	9,686453E+08
-1387	7,174578E+08	4,961176E+08	3,678556E+08	3,678606E+08	4,961292E+08	7,174633E+08	9,686430E+08	1,182351E+09	1,305236E+09	1,305225E+09	1,182320E+09	9,685999E+08
-1386	7,174167E+08	4,960871E+08	3,678270E+08	3,678284E+08	4,960940E+08	7,174299E+08	9,686171E+08	1,182339E+09	1,305246E+09	1,305258E+09	1,182369E+09	9,686513E+08
-1385	7,174608E+08	4,961138E+08	3,678336E+08	3,678303E+08	4,961069E+08	7,174567E+08	9,686438E+08	1,182347E+09	1,305235E+09	1,305241E+09	1,182359E+09	9,686419E+08
-1384	7,174369E+08	4,960845E+08	3,678118E+08	3,678121E+08	4,960878E+08	7,174435E+08	9,686494E+08	1,182373E+09	1,305259E+09	1,305237E+09	1,182324E+09	9,686057E+08
-1383	7,174223E+08	4,960869E+08	3,678164E+08	3,678092E+08	4,960713E+08	7,174098E+08	9,686076E+08	1,182343E+09	1,305256E+09	1,305265E+09	1,182369E+09	9,686564E+08
-1382	7,174668E+08	4,961113E+08	3,678307E+08	3,678322E+08	4,961083E+08	7,174485E+08	9,686315E+08	1,182349E+09	1,305252E+09	1,305248E+09	1,182340E+09	9,686095E+08
-1381	7,174158E+08	4,960791E+08	3,678145E+08	3,678196E+08	4,960955E+08	7,174415E+08	9,686309E+08	1,182346E+09	1,305239E+09	1,305235E+09	1,182336E+09	9,686167E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1380	7,174318E+08	4,961061E+08	3,678440E+08	3,678417E+08	4,961060E+08	7,174394E+08	9,686170E+08	1,182321E+09	1,305211E+09	1,305222E+09	1,182350E+09	9,686567E+08
-1379	7,174702E+08	4,961220E+08	3,678552E+08	3,678614E+08	4,961339E+08	7,174711E+08	9,686487E+08	1,182345E+09	1,305214E+09	1,305195E+09	1,182297E+09	9,685935E+08
-1378	7,174276E+08	4,961104E+08	3,678567E+08	3,678587E+08	4,961175E+08	7,174417E+08	9,686168E+08	1,182325E+09	1,305213E+09	1,305208E+09	1,182318E+09	9,686244E+08
-1377	7,174724E+08	4,961619E+08	3,679003E+08	3,678938E+08	4,961488E+08	7,174655E+08	9,686209E+08	1,182304E+09	1,305182E+09	1,305186E+09	1,182312E+09	9,686268E+08
-1376	7,174669E+08	4,961544E+08	3,679067E+08	3,679113E+08	4,961655E+08	7,174754E+08	9,686290E+08	1,182315E+09	1,305184E+09	1,305167E+09	1,182271E+09	9,685811E+08
-1375	7,174439E+08	4,961566E+08	3,679182E+08	3,679170E+08	4,961565E+08	7,174478E+08	9,685865E+08	1,182271E+09	1,305159E+09	1,305176E+09	1,182314E+09	9,686419E+08
-1374	7,175002E+08	4,961934E+08	3,679412E+08	3,679430E+08	4,961937E+08	7,174888E+08	9,686159E+08	1,182278E+09	1,305146E+09	1,305149E+09	1,182284E+09	9,686084E+08
-1373	7,174619E+08	4,961635E+08	3,679228E+08	3,679270E+08	4,961769E+08	7,174810E+08	9,686247E+08	1,182295E+09	1,305152E+09	1,305138E+09	1,182263E+09	9,685937E+08
-1372	7,174634E+08	4,961768E+08	3,679350E+08	3,679282E+08	4,961637E+08	7,174554E+08	9,685941E+08	1,182271E+09	1,305146E+09	1,305154E+09	1,182295E+09	9,686353E+08
-1371	7,175005E+08	4,961897E+08	3,679352E+08	3,679355E+08	4,961848E+08	7,174853E+08	9,686267E+08	1,182301E+09	1,305166E+09	1,305156E+09	1,182271E+09	9,685812E+08
-1370	7,174387E+08	4,961467E+08	3,679046E+08	3,679048E+08	4,961516E+08	7,174548E+08	9,686054E+08	1,182298E+09	1,305184E+09	1,305186E+09	1,182304E+09	9,686128E+08
-1369	7,174627E+08	4,961613E+08	3,679096E+08	3,679040E+08	4,961549E+08	7,174661E+08	9,686129E+08	1,182290E+09	1,305171E+09	1,305185E+09	1,182321E+09	9,686385E+08
-1368	7,174697E+08	4,961408E+08	3,678864E+08	3,678923E+08	4,961547E+08	7,174779E+08	9,686423E+08	1,182330E+09	1,305199E+09	1,305185E+09	1,182290E+09	9,685880E+08
-1367	7,174299E+08	4,961153E+08	3,678599E+08	3,678583E+08	4,961129E+08	7,174335E+08	9,686057E+08	1,182313E+09	1,305206E+09	1,305213E+09	1,182335E+09	9,686415E+08
-1366	7,174760E+08	4,961456E+08	3,678730E+08	3,678669E+08	4,961294E+08	7,174567E+08	9,686255E+08	1,182326E+09	1,305213E+09	1,305210E+09	1,182325E+09	9,686231E+08
-1365	7,174438E+08	4,961126E+08	3,678513E+08	3,678514E+08	4,961156E+08	7,174508E+08	9,686353E+08	1,182346E+09	1,305229E+09	1,305212E+09	1,182304E+09	9,685933E+08
-1364	7,174259E+08	4,961095E+08	3,678559E+08	3,678530E+08	4,961056E+08	7,174233E+08	9,685928E+08	1,182304E+09	1,305208E+09	1,305223E+09	1,182341E+09	9,686442E+08
-1363	7,174762E+08	4,961403E+08	3,678717E+08	3,678746E+08	4,961431E+08	7,174696E+08	9,686308E+08	1,182320E+09	1,305200E+09	1,305203E+09	1,182317E+09	9,686037E+08
-1362	7,174267E+08	4,961072E+08	3,678547E+08	3,678603E+08	4,961256E+08	7,174549E+08	9,686264E+08	1,182324E+09	1,305202E+09	1,305194E+09	1,182309E+09	9,686128E+08
-1361	7,174500E+08	4,961380E+08	3,678843E+08	3,678804E+08	4,961360E+08	7,174571E+08	9,686166E+08	1,182300E+09	1,305174E+09	1,305176E+09	1,182310E+09	9,686384E+08
-1360	7,174841E+08	4,961590E+08	3,679029E+08	3,679067E+08	4,961649E+08	7,174817E+08	9,686403E+08	1,182323E+09	1,305184E+09	1,305163E+09	1,182265E+09	9,685738E+08
-1359	7,174379E+08	4,961470E+08	3,679061E+08	3,679064E+08	4,961477E+08	7,174438E+08	9,685917E+08	1,182284E+09	1,305167E+09	1,305170E+09	1,182294E+09	9,686160E+08
-1358	7,174854E+08	4,961963E+08	3,679493E+08	3,679448E+08	4,961861E+08	7,174733E+08	9,685959E+08	1,182263E+09	1,305141E+09	1,305149E+09	1,182288E+09	9,686183E+08
-1357	7,174779E+08	4,961843E+08	3,679494E+08	3,679560E+08	4,962014E+08	7,174922E+08	9,686181E+08	1,182276E+09	1,305133E+09	1,305124E+09	1,182248E+09	9,685779E+08
-1356	7,174567E+08	4,961832E+08	3,679573E+08	3,679585E+08	4,961880E+08	7,174616E+08	9,685768E+08	1,182234E+09	1,305101E+09	1,305116E+09	1,182273E+09	9,686302E+08
-1355	7,175178E+08	4,962286E+08	3,679826E+08	3,679813E+08	4,962208E+08	7,175013E+08	9,686119E+08	1,182254E+09	1,305100E+09	1,305098E+09	1,182249E+09	9,685939E+08
-1354	7,174721E+08	4,961953E+08	3,679647E+08	3,679658E+08	4,962005E+08	7,174843E+08	9,686117E+08	1,182273E+09	1,305123E+09	1,305106E+09	1,182235E+09	9,685814E+08
-1353	7,174730E+08	4,962044E+08	3,679733E+08	3,679665E+08	4,961934E+08	7,174698E+08	9,685873E+08	1,182246E+09	1,305113E+09	1,305121E+09	1,182265E+09	9,686158E+08
-1352	7,175035E+08	4,962142E+08	3,679724E+08	3,679751E+08	4,962171E+08	7,175022E+08	9,686224E+08	1,182278E+09	1,305134E+09	1,305129E+09	1,182251E+09	9,685687E+08
-1351	7,174434E+08	4,961684E+08	3,679365E+08	3,679381E+08	4,961766E+08	7,174657E+08	9,685986E+08	1,182272E+09	1,305144E+09	1,305150E+09	1,182285E+09	9,686117E+08
-1350	7,174759E+08	4,961848E+08	3,679402E+08	3,679357E+08	4,961777E+08	7,174723E+08	9,686053E+08	1,182276E+09	1,305150E+09	1,305154E+09	1,182296E+09	9,686298E+08
-1349	7,174813E+08	4,961655E+08	3,679158E+08	3,679198E+08	4,961734E+08	7,174836E+08	9,686356E+08	1,182315E+09	1,305177E+09	1,305159E+09	1,182268E+09	9,685788E+08
-1348	7,174386E+08	4,961399E+08	3,678949E+08	3,678926E+08	4,961334E+08	7,174344E+08	9,685885E+08	1,182283E+09	1,305169E+09	1,305177E+09	1,182306E+09	9,686273E+08
-1347	7,174866E+08	4,961768E+08	3,679141E+08	3,679070E+08	4,961565E+08	7,174619E+08	9,686083E+08	1,182290E+09	1,305168E+09	1,305176E+09	1,182308E+09	9,686139E+08
-1346	7,174492E+08	4,961391E+08	3,678919E+08	3,678942E+08	4,961474E+08	7,174607E+08	9,686183E+08	1,182309E+09	1,305186E+09	1,305177E+09	1,182286E+09	9,685923E+08
-1345	7,174393E+08	4,961363E+08	3,678937E+08	3,678932E+08	4,961411E+08	7,174478E+08	9,685925E+08	1,182271E+09	1,305155E+09	1,305171E+09	1,182306E+09	9,686304E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1344	7,174881E+08	4,961711E+08	3,679124E+08	3,679158E+08	4,961756E+08	7,174883E+08	9,686324E+08	1,182299E+09	1,305158E+09	1,305153E+09	1,182276E+09	9,685865E+08
-1343	7,174405E+08	4,961422E+08	3,678980E+08	3,679012E+08	4,961523E+08	7,174618E+08	9,686153E+08	1,182298E+09	1,305162E+09	1,305149E+09	1,182273E+09	9,685999E+08
-1342	7,174658E+08	4,961757E+08	3,679326E+08	3,679270E+08	4,961653E+08	7,174585E+08	9,685969E+08	1,182276E+09	1,305149E+09	1,305144E+09	1,182278E+09	9,686196E+08
-1341	7,174916E+08	4,961917E+08	3,679490E+08	3,679538E+08	4,961991E+08	7,174909E+08	9,686227E+08	1,182289E+09	1,305148E+09	1,305134E+09	1,182247E+09	9,685656E+08
-1340	7,174451E+08	4,961757E+08	3,679520E+08	3,679561E+08	4,961857E+08	7,174579E+08	9,685743E+08	1,182238E+09	1,305109E+09	1,305121E+09	1,182266E+09	9,686102E+08
-1339	7,175007E+08	4,962300E+08	3,679944E+08	3,679907E+08	4,962217E+08	7,174908E+08	9,685892E+08	1,182226E+09	1,305081E+09	1,305097E+09	1,182263E+09	9,686144E+08
-1338	7,174926E+08	4,962163E+08	3,679916E+08	3,679983E+08	4,962321E+08	7,175047E+08	9,686110E+08	1,182250E+09	1,305089E+09	1,305076E+09	1,182216E+09	9,685725E+08
-1337	7,174756E+08	4,962172E+08	3,679974E+08	3,679962E+08	4,962178E+08	7,174796E+08	9,685756E+08	1,182212E+09	1,305061E+09	1,305067E+09	1,182228E+09	9,686054E+08
-1336	7,175257E+08	4,962624E+08	3,680267E+08	3,680230E+08	4,962494E+08	7,175119E+08	9,686066E+08	1,182237E+09	1,305073E+09	1,305065E+09	1,182213E+09	9,685709E+08
-1335	7,174765E+08	4,962237E+08	3,680053E+08	3,680070E+08	4,962285E+08	7,174889E+08	9,685943E+08	1,182243E+09	1,305091E+09	1,305077E+09	1,182215E+09	9,685724E+08
-1334	7,174795E+08	4,962280E+08	3,680091E+08	3,680059E+08	4,962235E+08	7,174776E+08	9,685730E+08	1,182222E+09	1,305088E+09	1,305096E+09	1,182248E+09	9,686086E+08
-1333	7,175083E+08	4,962335E+08	3,680013E+08	3,680065E+08	4,962428E+08	7,175155E+08	9,686184E+08	1,182255E+09	1,305101E+09	1,305100E+09	1,182238E+09	9,685701E+08
-1332	7,174536E+08	4,961888E+08	3,679655E+08	3,679676E+08	4,961962E+08	7,174709E+08	9,685886E+08	1,182244E+09	1,305101E+09	1,305104E+09	1,182255E+09	9,686056E+08
-1331	7,174925E+08	4,962160E+08	3,679749E+08	3,679660E+08	4,961955E+08	7,174743E+08	9,685934E+08	1,182250E+09	1,305111E+09	1,305118E+09	1,182272E+09	9,686209E+08
-1330	7,174921E+08	4,961962E+08	3,679546E+08	3,679556E+08	4,961941E+08	7,174821E+08	9,686153E+08	1,182286E+09	1,305147E+09	1,305131E+09	1,182246E+09	9,685713E+08
-1329	7,174500E+08	4,961682E+08	3,679324E+08	3,679313E+08	4,961657E+08	7,174502E+08	9,685768E+08	1,182249E+09	1,305126E+09	1,305136E+09	1,182274E+09	9,686083E+08
-1328	7,174905E+08	4,962044E+08	3,679548E+08	3,679507E+08	4,961932E+08	7,174828E+08	9,686059E+08	1,182263E+09	1,305126E+09	1,305135E+09	1,182277E+09	9,686008E+08
-1327	7,174567E+08	4,961647E+08	3,679291E+08	3,679344E+08	4,961792E+08	7,174761E+08	9,686144E+08	1,182282E+09	1,305140E+09	1,305129E+09	1,182256E+09	9,685853E+08
-1326	7,174520E+08	4,961639E+08	3,679305E+08	3,679324E+08	4,961707E+08	7,174589E+08	9,685896E+08	1,182261E+09	1,305131E+09	1,305132E+09	1,182271E+09	9,686147E+08
-1325	7,174962E+08	4,962002E+08	3,679502E+08	3,679529E+08	4,962021E+08	7,174989E+08	9,686279E+08	1,182283E+09	1,305133E+09	1,305124E+09	1,182252E+09	9,685747E+08
-1324	7,174479E+08	4,961720E+08	3,679418E+08	3,679441E+08	4,961785E+08	7,174635E+08	9,685955E+08	1,182263E+09	1,305122E+09	1,305111E+09	1,182244E+09	9,685877E+08
-1323	7,174785E+08	4,962122E+08	3,679808E+08	3,679745E+08	4,961981E+08	7,174646E+08	9,685745E+08	1,182232E+09	1,305099E+09	1,305109E+09	1,182262E+09	9,686156E+08
-1322	7,175033E+08	4,962252E+08	3,679958E+08	3,680018E+08	4,962343E+08	7,175009E+08	9,686012E+08	1,182243E+09	1,305095E+09	1,305090E+09	1,182226E+09	9,685686E+08
-1321	7,174655E+08	4,962101E+08	3,679952E+08	3,680005E+08	4,962240E+08	7,174813E+08	9,685690E+08	1,182198E+09	1,305045E+09	1,305056E+09	1,182222E+09	9,685968E+08
-1320	7,175173E+08	4,962677E+08	3,680410E+08	3,680363E+08	4,962560E+08	7,175078E+08	9,685874E+08	1,182202E+09	1,305032E+09	1,305037E+09	1,182213E+09	9,685954E+08
-1319	7,175072E+08	4,962532E+08	3,680376E+08	3,680418E+08	4,962606E+08	7,175116E+08	9,685995E+08	1,182224E+09	1,305049E+09	1,305027E+09	1,182175E+09	9,685544E+08
-1318	7,174866E+08	4,962519E+08	3,680433E+08	3,680416E+08	4,962481E+08	7,174841E+08	9,685626E+08	1,182196E+09	1,305042E+09	1,305039E+09	1,182196E+09	9,685822E+08
-1317	7,175247E+08	4,962879E+08	3,680660E+08	3,680645E+08	4,962819E+08	7,175249E+08	9,685973E+08	1,182213E+09	1,305048E+09	1,305046E+09	1,182200E+09	9,685619E+08
-1316	7,174771E+08	4,962439E+08	3,680409E+08	3,680456E+08	4,962584E+08	7,175013E+08	9,685838E+08	1,182212E+09	1,305051E+09	1,305043E+09	1,182197E+09	9,685701E+08
-1315	7,174910E+08	4,962527E+08	3,680418E+08	3,680393E+08	4,962491E+08	7,174890E+08	9,685674E+08	1,182196E+09	1,305047E+09	1,305063E+09	1,182235E+09	9,686103E+08
-1314	7,175212E+08	4,962579E+08	3,680318E+08	3,680362E+08	4,962627E+08	7,175197E+08	9,686080E+08	1,182234E+09	1,305071E+09	1,305068E+09	1,182219E+09	9,685725E+08
-1313	7,174728E+08	4,962185E+08	3,679978E+08	3,679970E+08	4,962188E+08	7,174816E+08	9,685805E+08	1,182219E+09	1,305064E+09	1,305063E+09	1,182220E+09	9,685886E+08
-1312	7,175017E+08	4,962473E+08	3,680151E+08	3,680037E+08	4,962201E+08	7,174789E+08	9,685799E+08	1,182224E+09	1,305077E+09	1,305081E+09	1,182239E+09	9,686038E+08
-1311	7,174980E+08	4,962230E+08	3,679935E+08	3,679962E+08	4,962236E+08	7,174879E+08	9,685954E+08	1,182248E+09	1,305104E+09	1,305094E+09	1,182222E+09	9,685632E+08
-1310	7,174579E+08	4,961936E+08	3,679693E+08	3,679720E+08	4,961988E+08	7,174629E+08	9,685677E+08	1,182225E+09	1,305092E+09	1,305099E+09	1,182245E+09	9,685944E+08
-1309	7,174923E+08	4,962246E+08	3,679863E+08	3,679854E+08	4,962234E+08	7,175018E+08	9,686081E+08	1,182245E+09	1,305090E+09	1,305095E+09	1,182250E+09	9,685926E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1308	7,174644E+08	4,961888E+08	3,679636E+08	3,679693E+08	4,962042E+08	7,174857E+08	9,686088E+08	1,182261E+09	1,305101E+09	1,305081E+09	1,182219E+09	9,685739E+08
-1307	7,174669E+08	4,961982E+08	3,679712E+08	3,679695E+08	4,961942E+08	7,174628E+08	9,685772E+08	1,182235E+09	1,305095E+09	1,305098E+09	1,182246E+09	9,686043E+08
-1306	7,175069E+08	4,962337E+08	3,679953E+08	3,679958E+08	4,962287E+08	7,174995E+08	9,686059E+08	1,182251E+09	1,305100E+09	1,305095E+09	1,182232E+09	9,685715E+08
-1305	7,174637E+08	4,962073E+08	3,679875E+08	3,679907E+08	4,962167E+08	7,174799E+08	9,685782E+08	1,182220E+09	1,305069E+09	1,305065E+09	1,182213E+09	9,685744E+08
-1304	7,174895E+08	4,962488E+08	3,680309E+08	3,680254E+08	4,962382E+08	7,174832E+08	9,685650E+08	1,182194E+09	1,305045E+09	1,305057E+09	1,182227E+09	9,686069E+08
-1303	7,175186E+08	4,962594E+08	3,680421E+08	3,680496E+08	4,962709E+08	7,175158E+08	9,685915E+08	1,182209E+09	1,305040E+09	1,305034E+09	1,182189E+09	9,685608E+08
-1302	7,174839E+08	4,962464E+08	3,680402E+08	3,680459E+08	4,962579E+08	7,174938E+08	9,685650E+08	1,182184E+09	1,305014E+09	1,305008E+09	1,182178E+09	9,685742E+08
-1301	7,175236E+08	4,962994E+08	3,680838E+08	3,680781E+08	4,962869E+08	7,175214E+08	9,685845E+08	1,182186E+09	1,305007E+09	1,305004E+09	1,182181E+09	9,685770E+08
-1300	7,175101E+08	4,962819E+08	3,680819E+08	3,680857E+08	4,962897E+08	7,175170E+08	9,685837E+08	1,182195E+09	1,305014E+09	1,304994E+09	1,182148E+09	9,685401E+08
-1299	7,174930E+08	4,962809E+08	3,680851E+08	3,680846E+08	4,962803E+08	7,174938E+08	9,685462E+08	1,182159E+09	1,305003E+09	1,305015E+09	1,182188E+09	9,685798E+08
-1298	7,175309E+08	4,963115E+08	3,681025E+08	3,681026E+08	4,963113E+08	7,175358E+08	9,685836E+08	1,182179E+09	1,305008E+09	1,305017E+09	1,182190E+09	9,685706E+08
-1297	7,174955E+08	4,962700E+08	3,680720E+08	3,680772E+08	4,962863E+08	7,175181E+08	9,685776E+08	1,182180E+09	1,305001E+09	1,304995E+09	1,182165E+09	9,685631E+08
-1296	7,175072E+08	4,962843E+08	3,680786E+08	3,680727E+08	4,962719E+08	7,174966E+08	9,685602E+08	1,182174E+09	1,305009E+09	1,305015E+09	1,182196E+09	9,685995E+08
-1295	7,175370E+08	4,962894E+08	3,680694E+08	3,680699E+08	4,962821E+08	7,175178E+08	9,685884E+08	1,182204E+09	1,305035E+09	1,305027E+09	1,182184E+09	9,685591E+08
-1294	7,174840E+08	4,962485E+08	3,680369E+08	3,680355E+08	4,962443E+08	7,174835E+08	9,685656E+08	1,182199E+09	1,305039E+09	1,305031E+09	1,182187E+09	9,685664E+08
-1293	7,174996E+08	4,962686E+08	3,680500E+08	3,680417E+08	4,962525E+08	7,174952E+08	9,685736E+08	1,182199E+09	1,305045E+09	1,305053E+09	1,182219E+09	9,685921E+08
-1292	7,174968E+08	4,962412E+08	3,680269E+08	3,680325E+08	4,962535E+08	7,175036E+08	9,685903E+08	1,182220E+09	1,305060E+09	1,305052E+09	1,182195E+09	9,685557E+08
-1291	7,174669E+08	4,962173E+08	3,680019E+08	3,680058E+08	4,962266E+08	7,174782E+08	9,685671E+08	1,182203E+09	1,305055E+09	1,305066E+09	1,182225E+09	9,685890E+08
-1290	7,175019E+08	4,962495E+08	3,680196E+08	3,680173E+08	4,962458E+08	7,175089E+08	9,686007E+08	1,182228E+09	1,305066E+09	1,305066E+09	1,182226E+09	9,685893E+08
-1289	7,174820E+08	4,962212E+08	3,680011E+08	3,680038E+08	4,962300E+08	7,174955E+08	9,685972E+08	1,182234E+09	1,305067E+09	1,305043E+09	1,182184E+09	9,685569E+08
-1288	7,174778E+08	4,962349E+08	3,680198E+08	3,680155E+08	4,962242E+08	7,174666E+08	9,685578E+08	1,182202E+09	1,305057E+09	1,305060E+09	1,182216E+09	9,685939E+08
-1287	7,175193E+08	4,962672E+08	3,680433E+08	3,680448E+08	4,962637E+08	7,175052E+08	9,685791E+08	1,182203E+09	1,305048E+09	1,305052E+09	1,182208E+09	9,685688E+08
-1286	7,174804E+08	4,962423E+08	3,680356E+08	3,680409E+08	4,962556E+08	7,174947E+08	9,685666E+08	1,182186E+09	1,305019E+09	1,305015E+09	1,182178E+09	9,685623E+08
-1285	7,175000E+08	4,962800E+08	3,680744E+08	3,680707E+08	4,962758E+08	7,175047E+08	9,685634E+08	1,182166E+09	1,304995E+09	1,305004E+09	1,182190E+09	9,685945E+08
-1284	7,175295E+08	4,962926E+08	3,680876E+08	3,680935E+08	4,963028E+08	7,175283E+08	9,685831E+08	1,182180E+09	1,304993E+09	1,304978E+09	1,182143E+09	9,685434E+08
-1283	7,174981E+08	4,962845E+08	3,680882E+08	3,680908E+08	4,962890E+08	7,175034E+08	9,685533E+08	1,182155E+09	1,304979E+09	1,304975E+09	1,182149E+09	9,685570E+08
-1282	7,175287E+08	4,963294E+08	3,681288E+08	3,681231E+08	4,963184E+08	7,175289E+08	9,685686E+08	1,182159E+09	1,304979E+09	1,304979E+09	1,182162E+09	9,685705E+08
-1281	7,175217E+08	4,963117E+08	3,681226E+08	3,681286E+08	4,963275E+08	7,175367E+08	9,685734E+08	1,182160E+09	1,304971E+09	1,304957E+09	1,182123E+09	9,685308E+08
-1280	7,175024E+08	4,963103E+08	3,681265E+08	3,681262E+08	4,963125E+08	7,175095E+08	9,685410E+08	1,182132E+09	1,304960E+09	1,304972E+09	1,182161E+09	9,685776E+08
-1279	7,175460E+08	4,963373E+08	3,681377E+08	3,681381E+08	4,963367E+08	7,175437E+08	9,685731E+08	1,182151E+09	1,304966E+09	1,304973E+09	1,182163E+09	9,685694E+08
-1278	7,175155E+08	4,963011E+08	3,681081E+08	3,681107E+08	4,963082E+08	7,175226E+08	9,685706E+08	1,182166E+09	1,304975E+09	1,304957E+09	1,182129E+09	9,685446E+08
-1277	7,175133E+08	4,963104E+08	3,681131E+08	3,681048E+08	4,962937E+08	7,175030E+08	9,685509E+08	1,182154E+09	1,304984E+09	1,304987E+09	1,182168E+09	9,685821E+08
-1276	7,175383E+08	4,963130E+08	3,681064E+08	3,681059E+08	4,963060E+08	7,175200E+08	9,685688E+08	1,182172E+09	1,304998E+09	1,304994E+09	1,182158E+09	9,685454E+08
-1275	7,174894E+08	4,962726E+08	3,680724E+08	3,680726E+08	4,962742E+08	7,174945E+08	9,685505E+08	1,182162E+09	1,305000E+09	1,305005E+09	1,182173E+09	9,685596E+08
-1274	7,175024E+08	4,962865E+08	3,680808E+08	3,680752E+08	4,962803E+08	7,175095E+08	9,685679E+08	1,182173E+09	1,305008E+09	1,305020E+09	1,182200E+09	9,685930E+08
-1273	7,175121E+08	4,962653E+08	3,680567E+08	3,680632E+08	4,962815E+08	7,175221E+08	9,685893E+08	1,182196E+09	1,305017E+09	1,305004E+09	1,182160E+09	9,685436E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1272	7,174802E+08	4,962488E+08	3,680408E+08	3,680407E+08	4,962498E+08	7,174862E+08	9,685616E+08	1,182185E+09	1,305024E+09	1,305022E+09	1,182187E+09	9,685772E+08
-1271	7,175163E+08	4,962811E+08	3,680613E+08	3,680557E+08	4,962689E+08	7,175085E+08	9,685801E+08	1,182197E+09	1,305033E+09	1,305032E+09	1,182197E+09	9,685791E+08
-1270	7,174969E+08	4,962561E+08	3,680475E+08	3,680493E+08	4,962606E+08	7,174997E+08	9,685796E+08	1,182207E+09	1,305035E+09	1,305012E+09	1,182155E+09	9,685388E+08
-1269	7,174818E+08	4,962636E+08	3,680643E+08	3,680628E+08	4,962632E+08	7,174851E+08	9,685467E+08	1,182166E+09	1,305013E+09	1,305024E+09	1,182194E+09	9,685857E+08
-1268	7,175263E+08	4,962956E+08	3,680880E+08	3,680910E+08	4,963000E+08	7,175216E+08	9,685688E+08	1,182164E+09	1,304991E+09	1,304998E+09	1,182174E+09	9,685617E+08
-1267	7,174963E+08	4,962756E+08	3,680798E+08	3,680860E+08	4,962919E+08	7,175132E+08	9,685618E+08	1,182154E+09	1,304972E+09	1,304970E+09	1,182147E+09	9,685520E+08
-1266	7,175130E+08	4,963124E+08	3,681176E+08	3,681125E+08	4,963067E+08	7,175183E+08	9,685582E+08	1,182145E+09	1,304961E+09	1,304964E+09	1,182156E+09	9,685835E+08
-1265	7,175462E+08	4,963288E+08	3,681319E+08	3,681358E+08	4,963351E+08	7,175419E+08	9,685728E+08	1,182150E+09	1,304953E+09	1,304934E+09	1,182104E+09	9,685222E+08
-1264	7,175064E+08	4,963209E+08	3,681390E+08	3,681396E+08	4,963228E+08	7,175124E+08	9,685384E+08	1,182125E+09	1,304942E+09	1,304938E+09	1,182120E+09	9,685470E+08
-1263	7,175388E+08	4,963581E+08	3,681728E+08	3,681688E+08	4,963521E+08	7,175374E+08	9,685470E+08	1,182117E+09	1,304933E+09	1,304942E+09	1,182141E+09	9,685684E+08
-1262	7,175378E+08	4,963420E+08	3,681634E+08	3,681702E+08	4,963580E+08	7,175485E+08	9,685663E+08	1,182134E+09	1,304929E+09	1,304914E+09	1,182094E+09	9,685214E+08
-1261	7,175132E+08	4,963368E+08	3,681623E+08	3,681623E+08	4,963405E+08	7,175235E+08	9,685376E+08	1,182109E+09	1,304921E+09	1,304930E+09	1,182131E+09	9,685685E+08
-1260	7,175573E+08	4,963663E+08	3,681751E+08	3,681711E+08	4,963562E+08	7,175451E+08	9,685579E+08	1,182123E+09	1,304926E+09	1,304927E+09	1,182126E+09	9,685553E+08
-1259	7,175287E+08	4,963333E+08	3,681482E+08	3,681474E+08	4,963315E+08	7,175255E+08	9,685524E+08	1,182132E+09	1,304942E+09	1,304931E+09	1,182106E+09	9,685289E+08
-1258	7,175172E+08	4,963349E+08	3,681500E+08	3,681420E+08	4,963205E+08	7,175097E+08	9,685350E+08	1,182124E+09	1,304953E+09	1,304963E+09	1,182150E+09	9,685735E+08
-1257	7,175464E+08	4,963364E+08	3,681392E+08	3,681419E+08	4,963397E+08	7,175399E+08	9,685612E+08	1,182138E+09	1,304954E+09	1,304955E+09	1,182131E+09	9,685331E+08
-1256	7,174956E+08	4,962969E+08	3,681086E+08	3,681098E+08	4,963046E+08	7,175129E+08	9,685521E+08	1,182143E+09	1,304963E+09	1,304963E+09	1,182144E+09	9,685545E+08
-1255	7,175136E+08	4,963069E+08	3,681117E+08	3,681078E+08	4,963050E+08	7,175198E+08	9,685630E+08	1,182154E+09	1,304976E+09	1,304983E+09	1,182172E+09	9,685862E+08
-1254	7,175284E+08	4,962947E+08	3,680924E+08	3,680963E+08	4,963026E+08	7,175288E+08	9,685879E+08	1,182188E+09	1,304996E+09	1,304973E+09	1,182128E+09	9,685250E+08
-1253	7,174857E+08	4,962757E+08	3,680792E+08	3,680777E+08	4,962744E+08	7,174932E+08	9,685517E+08	1,182164E+09	1,304998E+09	1,304998E+09	1,182165E+09	9,685626E+08
-1252	7,175205E+08	4,963088E+08	3,681039E+08	3,680975E+08	4,962962E+08	7,175108E+08	9,685562E+08	1,182157E+09	1,304989E+09	1,304997E+09	1,182175E+09	9,685716E+08
-1251	7,175095E+08	4,962876E+08	3,680916E+08	3,680952E+08	4,962969E+08	7,175132E+08	9,685593E+08	1,182157E+09	1,304983E+09	1,304979E+09	1,182139E+09	9,685352E+08
-1250	7,174936E+08	4,962915E+08	3,681050E+08	3,681053E+08	4,962974E+08	7,175023E+08	9,685382E+08	1,182130E+09	1,304961E+09	1,304976E+09	1,182165E+09	9,685841E+08
-1249	7,175482E+08	4,963303E+08	3,681291E+08	3,681327E+08	4,963355E+08	7,175413E+08	9,685640E+08	1,182132E+09	1,304936E+09	1,304936E+09	1,182127E+09	9,685450E+08
-1248	7,175135E+08	4,963165E+08	3,681304E+08	3,681322E+08	4,963229E+08	7,175242E+08	9,685546E+08	1,182131E+09	1,304930E+09	1,304913E+09	1,182098E+09	9,685336E+08
-1247	7,175255E+08	4,963467E+08	3,681663E+08	3,681598E+08	4,963375E+08	7,175234E+08	9,685403E+08	1,182113E+09	1,304924E+09	1,304925E+09	1,182121E+09	9,685657E+08
-1246	7,175578E+08	4,963650E+08	3,681820E+08	3,681858E+08	4,963699E+08	7,175528E+08	9,685625E+08	1,182125E+09	1,304918E+09	1,304901E+09	1,182076E+09	9,685029E+08
-1245	7,175085E+08	4,963481E+08	3,681827E+08	3,681861E+08	4,963604E+08	7,175320E+08	9,685326E+08	1,182096E+09	1,304903E+09	1,304905E+09	1,182100E+09	9,685390E+08
-1244	7,175453E+08	4,963840E+08	3,682128E+08	3,682093E+08	4,963820E+08	7,175495E+08	9,685374E+08	1,182085E+09	1,304886E+09	1,304899E+09	1,182115E+09	9,685649E+08
-1243	7,175558E+08	4,963731E+08	3,682017E+08	3,682080E+08	4,963860E+08	7,175587E+08	9,685545E+08	1,182103E+09	1,304892E+09	1,304882E+09	1,182071E+09	9,685141E+08
-1242	7,175267E+08	4,963657E+08	3,681984E+08	3,681957E+08	4,963627E+08	7,175291E+08	9,685268E+08	1,182086E+09	1,304890E+09	1,304897E+09	1,182105E+09	9,685602E+08
-1241	7,175722E+08	4,963970E+08	3,682123E+08	3,682071E+08	4,963822E+08	7,175513E+08	9,685417E+08	1,182090E+09	1,304885E+09	1,304888E+09	1,182094E+09	9,685374E+08
-1240	7,175346E+08	4,963628E+08	3,681906E+08	3,681894E+08	4,963613E+08	7,175339E+08	9,685379E+08	1,182102E+09	1,304902E+09	1,304892E+09	1,182080E+09	9,685200E+08
-1239	7,175231E+08	4,963551E+08	3,681843E+08	3,681800E+08	4,963512E+08	7,175228E+08	9,685229E+08	1,182089E+09	1,304910E+09	1,304927E+09	1,182128E+09	9,685677E+08
-1238	7,175578E+08	4,963605E+08	3,681721E+08	3,681759E+08	4,963662E+08	7,175564E+08	9,685665E+08	1,182123E+09	1,304917E+09	1,304914E+09	1,182101E+09	9,685194E+08
-1237	7,175018E+08	4,963184E+08	3,681389E+08	3,681411E+08	4,963292E+08	7,175282E+08	9,685563E+08	1,182133E+09	1,304936E+09	1,304928E+09	1,182116E+09	9,685417E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1236	7,175213E+08	4,963324E+08	3,681455E+08	3,681383E+08	4,963225E+08	7,175207E+08	9,685505E+08	1,182133E+09	1,304947E+09	1,304948E+09	1,182142E+09	9,685731E+08
-1235	7,175401E+08	4,963250E+08	3,681315E+08	3,681338E+08	4,963265E+08	7,175305E+08	9,685671E+08	1,182155E+09	1,304968E+09	1,304955E+09	1,182112E+09	9,685144E+08
-1234	7,174931E+08	4,963027E+08	3,681187E+08	3,681182E+08	4,963041E+08	7,175013E+08	9,685346E+08	1,182129E+09	1,304960E+09	1,304970E+09	1,182150E+09	9,685605E+08
-1233	7,175353E+08	4,963387E+08	3,681432E+08	3,681394E+08	4,963314E+08	7,175269E+08	9,685423E+08	1,182113E+09	1,304931E+09	1,304947E+09	1,182146E+09	9,685632E+08
-1232	7,175235E+08	4,963217E+08	3,681377E+08	3,681415E+08	4,963323E+08	7,175309E+08	9,685551E+08	1,182127E+09	1,304930E+09	1,304919E+09	1,182101E+09	9,685292E+08
-1231	7,175112E+08	4,963237E+08	3,681481E+08	3,681488E+08	4,963296E+08	7,175150E+08	9,685296E+08	1,182102E+09	1,304916E+09	1,304923E+09	1,182123E+09	9,685682E+08
-1230	7,175654E+08	4,963693E+08	3,681765E+08	3,681766E+08	4,963640E+08	7,175527E+08	9,685624E+08	1,182117E+09	1,304902E+09	1,304891E+09	1,182082E+09	9,685176E+08
-1229	7,175177E+08	4,963494E+08	3,681788E+08	3,681809E+08	4,963571E+08	7,175363E+08	9,685464E+08	1,182109E+09	1,304900E+09	1,304882E+09	1,182069E+09	9,685133E+08
-1228	7,175277E+08	4,963761E+08	3,682129E+08	3,682077E+08	4,963710E+08	7,175301E+08	9,685189E+08	1,182075E+09	1,304881E+09	1,304889E+09	1,182098E+09	9,685564E+08
-1227	7,175679E+08	4,963958E+08	3,682270E+08	3,682335E+08	4,964075E+08	7,175677E+08	9,685447E+08	1,182080E+09	1,304871E+09	1,304872E+09	1,182063E+09	9,685019E+08
-1226	7,175217E+08	4,963766E+08	3,682223E+08	3,682268E+08	4,963916E+08	7,175465E+08	9,685247E+08	1,182063E+09	1,304855E+09	1,304863E+09	1,182079E+09	9,685410E+08
-1225	7,175677E+08	4,964179E+08	3,682508E+08	3,682468E+08	4,964105E+08	7,175598E+08	9,685258E+08	1,182051E+09	1,304835E+09	1,304844E+09	1,182075E+09	9,685526E+08
-1224	7,175734E+08	4,964121E+08	3,682480E+08	3,682496E+08	4,964123E+08	7,175644E+08	9,685414E+08	1,182075E+09	1,304851E+09	1,304832E+09	1,182032E+09	9,685016E+08
-1223	7,175389E+08	4,963962E+08	3,682402E+08	3,682372E+08	4,963904E+08	7,175332E+08	9,685076E+08	1,182053E+09	1,304853E+09	1,304860E+09	1,182074E+09	9,685438E+08
-1222	7,175805E+08	4,964267E+08	3,682529E+08	3,682484E+08	4,964127E+08	7,175652E+08	9,685384E+08	1,182068E+09	1,304849E+09	1,304852E+09	1,182066E+09	9,685186E+08
-1221	7,175329E+08	4,963824E+08	3,682248E+08	3,682282E+08	4,963950E+08	7,175561E+08	9,685426E+08	1,182085E+09	1,304870E+09	1,304860E+09	1,182058E+09	9,685084E+08
-1220	7,175241E+08	4,963723E+08	3,682130E+08	3,682113E+08	4,963758E+08	7,175359E+08	9,685230E+08	1,182073E+09	1,304877E+09	1,304890E+09	1,182104E+09	9,685603E+08
-1219	7,175686E+08	4,963844E+08	3,682020E+08	3,682061E+08	4,963890E+08	7,175661E+08	9,685604E+08	1,182105E+09	1,304897E+09	1,304895E+09	1,182083E+09	9,685117E+08
-1218	7,175114E+08	4,963427E+08	3,681691E+08	3,681685E+08	4,963458E+08	7,175306E+08	9,685469E+08	1,182116E+09	1,304916E+09	1,304908E+09	1,182098E+09	9,685358E+08
-1217	7,175348E+08	4,963613E+08	3,681803E+08	3,681726E+08	4,963448E+08	7,175202E+08	9,685284E+08	1,182098E+09	1,304910E+09	1,304916E+09	1,182119E+09	9,685625E+08
-1216	7,175508E+08	4,963579E+08	3,681754E+08	3,681770E+08	4,963560E+08	7,175347E+08	9,685442E+08	1,182114E+09	1,304920E+09	1,304911E+09	1,182089E+09	9,685128E+08
-1215	7,175053E+08	4,963297E+08	3,681585E+08	3,681612E+08	4,963374E+08	7,175129E+08	9,685169E+08	1,182085E+09	1,304903E+09	1,304920E+09	1,182122E+09	9,685560E+08
-1214	7,175532E+08	4,963728E+08	3,681861E+08	3,681822E+08	4,963631E+08	7,175446E+08	9,685443E+08	1,182088E+09	1,304877E+09	1,304887E+09	1,182103E+09	9,685459E+08
-1213	7,175335E+08	4,963538E+08	3,681811E+08	3,681856E+08	4,963658E+08	7,175486E+08	9,685561E+08	1,182108E+09	1,304889E+09	1,304867E+09	1,182058E+09	9,685068E+08
-1212	7,175184E+08	4,963577E+08	3,681938E+08	3,681923E+08	4,963581E+08	7,175220E+08	9,685174E+08	1,182076E+09	1,304879E+09	1,304879E+09	1,182083E+09	9,685459E+08
-1211	7,175731E+08	4,964046E+08	3,682255E+08	3,682260E+08	4,963994E+08	7,175616E+08	9,685423E+08	1,182081E+09	1,304871E+09	1,304868E+09	1,182060E+09	9,685020E+08
-1210	7,175228E+08	4,963788E+08	3,682234E+08	3,682282E+08	4,963939E+08	7,175507E+08	9,685338E+08	1,182077E+09	1,304863E+09	1,304853E+09	1,182054E+09	9,685108E+08
-1209	7,175414E+08	4,964064E+08	3,682542E+08	3,682532E+08	4,964086E+08	7,175467E+08	9,685075E+08	1,182036E+09	1,304827E+09	1,304842E+09	1,182073E+09	9,685529E+08
-1208	7,175841E+08	4,964308E+08	3,682726E+08	3,682790E+08	4,964412E+08	7,175821E+08	9,685384E+08	1,182052E+09	1,304822E+09	1,304816E+09	1,182031E+09	9,685027E+08
-1207	7,175419E+08	4,964097E+08	3,682636E+08	3,682674E+08	4,964205E+08	7,175558E+08	9,685133E+08	1,182034E+09	1,304812E+09	1,304815E+09	1,182043E+09	9,685313E+08
-1206	7,175868E+08	4,964565E+08	3,682957E+08	3,682866E+08	4,964345E+08	7,175673E+08	9,685212E+08	1,182030E+09	1,304798E+09	1,304800E+09	1,182036E+09	9,685292E+08
-1205	7,175767E+08	4,964419E+08	3,682916E+08	3,682938E+08	4,964439E+08	7,175747E+08	9,685316E+08	1,182051E+09	1,304819E+09	1,304799E+09	1,182004E+09	9,684818E+08
-1204	7,175393E+08	4,964207E+08	3,682781E+08	3,682773E+08	4,964208E+08	7,175423E+08	9,684914E+08	1,182019E+09	1,304814E+09	1,304825E+09	1,182050E+09	9,685321E+08
-1203	7,175846E+08	4,964489E+08	3,682867E+08	3,682856E+08	4,964442E+08	7,175809E+08	9,685286E+08	1,182037E+09	1,304816E+09	1,304827E+09	1,182049E+09	9,685142E+08
-1202	7,175410E+08	4,964027E+08	3,682529E+08	3,682576E+08	4,964186E+08	7,175694E+08	9,685439E+08	1,182070E+09	1,304841E+09	1,304828E+09	1,182038E+09	9,685082E+08
-1201	7,175405E+08	4,963977E+08	3,682409E+08	3,682387E+08	4,963945E+08	7,175392E+08	9,685130E+08	1,182051E+09	1,304843E+09	1,304849E+09	1,182072E+09	9,685494E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1200	7,175807E+08	4,964165E+08	3,682408E+08	3,682403E+08	4,964078E+08	7,175649E+08	9,685443E+08	1,182081E+09	1,304865E+09	1,304856E+09	1,182057E+09	9,685060E+08
-1199	7,175227E+08	4,963713E+08	3,682079E+08	3,682069E+08	4,963705E+08	7,175304E+08	9,685222E+08	1,182078E+09	1,304879E+09	1,304876E+09	1,182076E+09	9,685266E+08
-1198	7,175461E+08	4,963931E+08	3,682220E+08	3,682134E+08	4,963740E+08	7,175311E+08	9,685180E+08	1,182064E+09	1,304863E+09	1,304875E+09	1,182091E+09	9,685488E+08
-1197	7,175547E+08	4,963839E+08	3,682158E+08	3,682214E+08	4,963932E+08	7,175559E+08	9,685425E+08	1,182086E+09	1,304874E+09	1,304865E+09	1,182059E+09	9,685013E+08
-1196	7,175133E+08	4,963568E+08	3,681964E+08	3,682015E+08	4,963692E+08	7,175276E+08	9,685120E+08	1,182059E+09	1,304858E+09	1,304867E+09	1,182083E+09	9,685420E+08
-1195	7,175648E+08	4,964047E+08	3,682272E+08	3,682238E+08	4,963954E+08	7,175589E+08	9,685367E+08	1,182065E+09	1,304847E+09	1,304852E+09	1,182069E+09	9,685293E+08
-1194	7,175421E+08	4,963849E+08	3,682232E+08	3,682265E+08	4,963946E+08	7,175590E+08	9,685500E+08	1,182090E+09	1,304862E+09	1,304837E+09	1,182031E+09	9,684938E+08
-1193	7,175283E+08	4,963894E+08	3,682371E+08	3,682379E+08	4,963910E+08	7,175284E+08	9,684986E+08	1,182041E+09	1,304838E+09	1,304842E+09	1,182057E+09	9,685334E+08
-1192	7,175810E+08	4,964389E+08	3,682747E+08	3,682765E+08	4,964373E+08	7,175740E+08	9,685248E+08	1,182041E+09	1,304821E+09	1,304823E+09	1,182040E+09	9,685046E+08
-1191	7,175380E+08	4,964099E+08	3,682674E+08	3,682745E+08	4,964300E+08	7,175647E+08	9,685186E+08	1,182035E+09	1,304809E+09	1,304806E+09	1,182028E+09	9,685106E+08
-1190	7,175642E+08	4,964451E+08	3,682997E+08	3,682960E+08	4,964386E+08	7,175614E+08	9,685066E+08	1,182009E+09	1,304776E+09	1,304785E+09	1,182033E+09	9,685402E+08
-1189	7,175987E+08	4,964674E+08	3,683185E+08	3,683233E+08	4,964726E+08	7,175942E+08	9,685327E+08	1,182030E+09	1,304782E+09	1,304766E+09	1,181989E+09	9,684833E+08
-1188	7,175523E+08	4,964453E+08	3,683089E+08	3,683098E+08	4,964476E+08	7,175595E+08	9,684963E+08	1,182004E+09	1,304774E+09	1,304771E+09	1,182004E+09	9,685110E+08
-1187	7,175941E+08	4,964891E+08	3,683409E+08	3,683325E+08	4,964684E+08	7,175764E+08	9,685011E+08	1,181996E+09	1,304767E+09	1,304776E+09	1,182013E+09	9,685142E+08
-1186	7,175792E+08	4,964655E+08	3,683282E+08	3,683330E+08	4,964764E+08	7,175906E+08	9,685249E+08	1,182025E+09	1,304785E+09	1,304771E+09	1,181987E+09	9,684769E+08
-1185	7,175468E+08	4,964421E+08	3,683093E+08	3,683127E+08	4,964510E+08	7,175571E+08	9,684864E+08	1,181993E+09	1,304773E+09	1,304787E+09	1,182026E+09	9,685260E+08
-1184	7,175938E+08	4,964743E+08	3,683206E+08	3,683195E+08	4,964697E+08	7,175920E+08	9,685251E+08	1,182019E+09	1,304781E+09	1,304784E+09	1,182024E+09	9,685140E+08
-1183	7,175550E+08	4,964276E+08	3,682835E+08	3,682866E+08	4,964378E+08	7,175727E+08	9,685325E+08	1,182051E+09	1,304815E+09	1,304797E+09	1,182012E+09	9,685004E+08
-1182	7,175552E+08	4,964294E+08	3,682778E+08	3,682699E+08	4,964114E+08	7,175412E+08	9,685052E+08	1,182032E+09	1,304814E+09	1,304818E+09	1,182044E+09	9,685330E+08
-1181	7,175836E+08	4,964422E+08	3,682796E+08	3,682798E+08	4,964350E+08	7,175696E+08	9,685276E+08	1,182052E+09	1,304832E+09	1,304827E+09	1,182034E+09	9,684930E+08
-1180	7,175265E+08	4,963960E+08	3,682447E+08	3,682459E+08	4,964008E+08	7,175391E+08	9,685024E+08	1,182036E+09	1,304830E+09	1,304835E+09	1,182051E+09	9,685195E+08
-1179	7,175553E+08	4,964197E+08	3,682598E+08	3,682541E+08	4,964086E+08	7,175476E+08	9,685047E+08	1,182026E+09	1,304818E+09	1,304835E+09	1,182065E+09	9,685424E+08
-1178	7,175661E+08	4,964100E+08	3,682505E+08	3,682573E+08	4,964230E+08	7,175728E+08	9,685428E+08	1,182066E+09	1,304834E+09	1,304818E+09	1,182025E+09	9,684933E+08
-1177	7,175291E+08	4,963881E+08	3,682344E+08	3,682397E+08	4,963972E+08	7,175364E+08	9,685030E+08	1,182035E+09	1,304819E+09	1,304818E+09	1,182040E+09	9,685231E+08
-1176	7,175739E+08	4,964403E+08	3,682747E+08	3,682689E+08	4,964255E+08	7,175658E+08	9,685238E+08	1,182040E+09	1,304812E+09	1,304808E+09	1,182036E+09	9,685178E+08
-1175	7,175517E+08	4,964171E+08	3,682693E+08	3,682736E+08	4,964289E+08	7,175674E+08	9,685315E+08	1,182056E+09	1,304825E+09	1,304804E+09	1,182007E+09	9,684846E+08
-1174	7,175411E+08	4,964252E+08	3,682850E+08	3,682845E+08	4,964258E+08	7,175457E+08	9,684937E+08	1,182009E+09	1,304790E+09	1,304799E+09	1,182030E+09	9,685234E+08
-1173	7,175890E+08	4,964694E+08	3,683210E+08	3,683254E+08	4,964763E+08	7,175942E+08	9,685221E+08	1,182014E+09	1,304776E+09	1,304777E+09	1,182009E+09	9,684973E+08
-1172	7,175537E+08	4,964445E+08	3,683114E+08	3,683183E+08	4,964624E+08	7,175762E+08	9,685074E+08	1,182004E+09	1,304763E+09	1,304755E+09	1,181990E+09	9,685005E+08
-1171	7,175820E+08	4,964832E+08	3,683458E+08	3,683399E+08	4,964701E+08	7,175700E+08	9,684885E+08	1,181978E+09	1,304744E+09	1,304750E+09	1,181999E+09	9,685251E+08
-1170	7,176104E+08	4,965017E+08	3,683633E+08	3,683657E+08	4,965012E+08	7,176012E+08	9,685198E+08	1,182004E+09	1,304750E+09	1,304734E+09	1,181962E+09	9,684709E+08
-1169	7,175623E+08	4,964760E+08	3,683519E+08	3,683547E+08	4,964798E+08	7,175642E+08	9,684737E+08	1,181964E+09	1,304729E+09	1,304731E+09	1,181975E+09	9,684966E+08
-1168	7,175980E+08	4,965168E+08	3,683837E+08	3,683773E+08	4,965037E+08	7,175907E+08	9,684879E+08	1,181960E+09	1,304718E+09	1,304730E+09	1,181990E+09	9,685134E+08
-1167	7,175897E+08	4,964893E+08	3,683634E+08	3,683705E+08	4,965071E+08	7,176061E+08	9,685180E+08	1,181994E+09	1,304741E+09	1,304731E+09	1,181963E+09	9,684742E+08
-1166	7,175632E+08	4,964717E+08	3,683437E+08	3,683433E+08	4,964726E+08	7,175707E+08	9,684907E+08	1,181977E+09	1,304736E+09	1,304742E+09	1,181992E+09	9,685124E+08
-1165	7,176019E+08	4,965007E+08	3,683563E+08	3,683531E+08	4,964929E+08	7,176003E+08	9,685203E+08	1,182005E+09	1,304756E+09	1,304750E+09	1,181991E+09	9,684976E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1164	7,175636E+08	4,964558E+08	3,683197E+08	3,683200E+08	4,964581E+08	7,175715E+08	9,685118E+08	1,182021E+09	1,304785E+09	1,304767E+09	1,181985E+09	9,684860E+08
-1163	7,175619E+08	4,964562E+08	3,683159E+08	3,683091E+08	4,964406E+08	7,175462E+08	9,684807E+08	1,181996E+09	1,304785E+09	1,304796E+09	1,182026E+09	9,685239E+08
-1162	7,175884E+08	4,964638E+08	3,683133E+08	3,683156E+08	4,964650E+08	7,175842E+08	9,685199E+08	1,182023E+09	1,304794E+09	1,304795E+09	1,182017E+09	9,684909E+08
-1161	7,175372E+08	4,964182E+08	3,682774E+08	3,682825E+08	4,964312E+08	7,175535E+08	9,684966E+08	1,182007E+09	1,304783E+09	1,304787E+09	1,182019E+09	9,685108E+08
-1160	7,175665E+08	4,964479E+08	3,682976E+08	3,682921E+08	4,964387E+08	7,175635E+08	9,685036E+08	1,182006E+09	1,304776E+09	1,304784E+09	1,182029E+09	9,685355E+08
-1159	7,175807E+08	4,964406E+08	3,682889E+08	3,682936E+08	4,964493E+08	7,175827E+08	9,685350E+08	1,182045E+09	1,304804E+09	1,304782E+09	1,181992E+09	9,684786E+08
-1158	7,175423E+08	4,964243E+08	3,682798E+08	3,682796E+08	4,964227E+08	7,175456E+08	9,684976E+08	1,182014E+09	1,304787E+09	1,304783E+09	1,182008E+09	9,685027E+08
-1157	7,175763E+08	4,964693E+08	3,683217E+08	3,683177E+08	4,964619E+08	7,175771E+08	9,685092E+08	1,182010E+09	1,304778E+09	1,304777E+09	1,182010E+09	9,685044E+08
-1156	7,175593E+08	4,964471E+08	3,683132E+08	3,683198E+08	4,964646E+08	7,175791E+08	9,685122E+08	1,182013E+09	1,304776E+09	1,304763E+09	1,181983E+09	9,684808E+08
-1155	7,175566E+08	4,964590E+08	3,683310E+08	3,683317E+08	4,964629E+08	7,175603E+08	9,684776E+08	1,181970E+09	1,304744E+09	1,304757E+09	1,182003E+09	9,685207E+08
-1154	7,176076E+08	4,965034E+08	3,683639E+08	3,683664E+08	4,965059E+08	7,176058E+08	9,685144E+08	1,181986E+09	1,304731E+09	1,304728E+09	1,181976E+09	9,684903E+08
-1153	7,175735E+08	4,964822E+08	3,683579E+08	3,683628E+08	4,964918E+08	7,175809E+08	9,684888E+08	1,181968E+09	1,304715E+09	1,304703E+09	1,181947E+09	9,684824E+08
-1152	7,175947E+08	4,965226E+08	3,683979E+08	3,683894E+08	4,965041E+08	7,175778E+08	9,684694E+08	1,181940E+09	1,304695E+09	1,304701E+09	1,181964E+09	9,685114E+08
-1151	7,176195E+08	4,965333E+08	3,684089E+08	3,684125E+08	4,965375E+08	7,176136E+08	9,685020E+08	1,181965E+09	1,304706E+09	1,304696E+09	1,181935E+09	9,684592E+08
-1150	7,175719E+08	4,965070E+08	3,683949E+08	3,683970E+08	4,965143E+08	7,175870E+08	9,684760E+08	1,181937E+09	1,304684E+09	1,304688E+09	1,181946E+09	9,684835E+08
-1149	7,176007E+08	4,965382E+08	3,684210E+08	3,684182E+08	4,965380E+08	7,176116E+08	9,684927E+08	1,181945E+09	1,304684E+09	1,304690E+09	1,181958E+09	9,685013E+08
-1148	7,176001E+08	4,965144E+08	3,683957E+08	3,684026E+08	4,965309E+08	7,176159E+08	9,685131E+08	1,181977E+09	1,304712E+09	1,304695E+09	1,181934E+09	9,684639E+08
-1147	7,175756E+08	4,965002E+08	3,683789E+08	3,683755E+08	4,964938E+08	7,175741E+08	9,684759E+08	1,181957E+09	1,304719E+09	1,304722E+09	1,181969E+09	9,685005E+08
-1146	7,176095E+08	4,965251E+08	3,683897E+08	3,683838E+08	4,965115E+08	7,176011E+08	9,685060E+08	1,181982E+09	1,304733E+09	1,304731E+09	1,181975E+09	9,684907E+08
-1145	7,175725E+08	4,964791E+08	3,683543E+08	3,683566E+08	4,964835E+08	7,175725E+08	9,684863E+08	1,181980E+09	1,304743E+09	1,304734E+09	1,181964E+09	9,684788E+08
-1144	7,175700E+08	4,964812E+08	3,683529E+08	3,683478E+08	4,964719E+08	7,175594E+08	9,684662E+08	1,181955E+09	1,304731E+09	1,304750E+09	1,182004E+09	9,685246E+08
-1143	7,176024E+08	4,964888E+08	3,683471E+08	3,683504E+08	4,964933E+08	7,175985E+08	9,685133E+08	1,181993E+09	1,304747E+09	1,304748E+09	1,181987E+09	9,684858E+08
-1142	7,175558E+08	4,964513E+08	3,683158E+08	3,683160E+08	4,964556E+08	7,175695E+08	9,685011E+08	1,181990E+09	1,304742E+09	1,304735E+09	1,181976E+09	9,684904E+08
-1141	7,175728E+08	4,964767E+08	3,683399E+08	3,683332E+08	4,964676E+08	7,175752E+08	9,685005E+08	1,181992E+09	1,304750E+09	1,304746E+09	1,181988E+09	9,685106E+08
-1140	7,175879E+08	4,964727E+08	3,683328E+08	3,683362E+08	4,964782E+08	7,175883E+08	9,685175E+08	1,182014E+09	1,304772E+09	1,304752E+09	1,181963E+09	9,684619E+08
-1139	7,175492E+08	4,964554E+08	3,683257E+08	3,683267E+08	4,964585E+08	7,175555E+08	9,684757E+08	1,181978E+09	1,304757E+09	1,304760E+09	1,181989E+09	9,684941E+08
-1138	7,175842E+08	4,964960E+08	3,683629E+08	3,683609E+08	4,964965E+08	7,175941E+08	9,685015E+08	1,181979E+09	1,304736E+09	1,304743E+09	1,181993E+09	9,685052E+08
-1137	7,175767E+08	4,964773E+08	3,683557E+08	3,683649E+08	4,964981E+08	7,175901E+08	9,684979E+08	1,181975E+09	1,304722E+09	1,304711E+09	1,181950E+09	9,684749E+08
-1136	7,175755E+08	4,964960E+08	3,683779E+08	3,683775E+08	4,964968E+08	7,175735E+08	9,684666E+08	1,181936E+09	1,304690E+09	1,304700E+09	1,181967E+09	9,685144E+08
-1135	7,176270E+08	4,965419E+08	3,684117E+08	3,684108E+08	4,965360E+08	7,176143E+08	9,684995E+08	1,181953E+09	1,304688E+09	1,304684E+09	1,181939E+09	9,684753E+08
-1134	7,175892E+08	4,965228E+08	3,684096E+08	3,684094E+08	4,965232E+08	7,175931E+08	9,684795E+08	1,181935E+09	1,304668E+09	1,304656E+09	1,181909E+09	9,684593E+08
-1133	7,175964E+08	4,965517E+08	3,684462E+08	3,684411E+08	4,965452E+08	7,175958E+08	9,684594E+08	1,181909E+09	1,304653E+09	1,304660E+09	1,181930E+09	9,684924E+08
-1132	7,176258E+08	4,965613E+08	3,684496E+08	3,684559E+08	4,965731E+08	7,176309E+08	9,684916E+08	1,181929E+09	1,304659E+09	1,304654E+09	1,181907E+09	9,684509E+08
-1131	7,175834E+08	4,965346E+08	3,684331E+08	3,684363E+08	4,965454E+08	7,176015E+08	9,684695E+08	1,181916E+09	1,304653E+09	1,304652E+09	1,181919E+09	9,684762E+08
-1130	7,176128E+08	4,965629E+08	3,684531E+08	3,684488E+08	4,965593E+08	7,176208E+08	9,684914E+08	1,181933E+09	1,304660E+09	1,304659E+09	1,181933E+09	9,684939E+08
-1129	7,176140E+08	4,965418E+08	3,684312E+08	3,684359E+08	4,965492E+08	7,176131E+08	9,684942E+08	1,181950E+09	1,304681E+09	1,304663E+09	1,181906E+09	9,684510E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1128	7,175856E+08	4,965297E+08	3,684187E+08	3,684136E+08	4,965185E+08	7,175766E+08	9,684557E+08	1,181922E+09	1,304679E+09	1,304689E+09	1,181951E+09	9,684949E+08
-1127	7,176192E+08	4,965509E+08	3,684257E+08	3,684201E+08	4,965381E+08	7,176080E+08	9,684868E+08	1,181944E+09	1,304692E+09	1,304701E+09	1,181959E+09	9,684861E+08
-1126	7,175841E+08	4,965071E+08	3,683913E+08	3,683920E+08	4,965121E+08	7,175920E+08	9,684861E+08	1,181950E+09	1,304694E+09	1,304689E+09	1,181935E+09	9,684676E+08
-1125	7,175760E+08	4,965034E+08	3,683885E+08	3,683867E+08	4,965046E+08	7,175796E+08	9,684700E+08	1,181939E+09	1,304695E+09	1,304705E+09	1,181966E+09	9,685075E+08
-1124	7,176137E+08	4,965158E+08	3,683805E+08	3,683838E+08	4,965188E+08	7,176103E+08	9,685087E+08	1,181974E+09	1,304715E+09	1,304709E+09	1,181951E+09	9,684698E+08
-1123	7,175665E+08	4,964820E+08	3,683558E+08	3,683541E+08	4,964813E+08	7,175760E+08	9,684901E+08	1,181974E+09	1,304726E+09	1,304712E+09	1,181949E+09	9,684737E+08
-1122	7,175772E+08	4,965010E+08	3,683777E+08	3,683712E+08	4,964928E+08	7,175804E+08	9,684883E+08	1,181970E+09	1,304725E+09	1,304724E+09	1,181971E+09	9,685000E+08
-1121	7,175940E+08	4,964973E+08	3,683732E+08	3,683801E+08	4,965091E+08	7,175935E+08	9,684936E+08	1,181971E+09	1,304725E+09	1,304717E+09	1,181945E+09	9,684571E+08
-1120	7,175610E+08	4,964858E+08	3,683696E+08	3,683727E+08	4,964949E+08	7,175715E+08	9,684611E+08	1,181932E+09	1,304693E+09	1,304709E+09	1,181968E+09	9,684972E+08
-1119	7,176048E+08	4,965296E+08	3,684049E+08	3,684023E+08	4,965269E+08	7,176062E+08	9,684896E+08	1,181941E+09	1,304681E+09	1,304690E+09	1,181961E+09	9,685015E+08
-1118	7,176020E+08	4,965202E+08	3,684041E+08	3,684076E+08	4,965281E+08	7,176053E+08	9,684930E+08	1,181944E+09	1,304668E+09	1,304650E+09	1,181903E+09	9,684553E+08
-1117	7,175885E+08	4,965347E+08	3,684305E+08	3,684286E+08	4,965325E+08	7,175857E+08	9,684564E+08	1,181909E+09	1,304649E+09	1,304649E+09	1,181917E+09	9,684869E+08
-1116	7,176371E+08	4,965792E+08	3,684618E+08	3,684607E+08	4,965716E+08	7,176240E+08	9,684812E+08	1,181916E+09	1,304643E+09	1,304641E+09	1,181904E+09	9,684553E+08
-1115	7,175959E+08	4,965560E+08	3,684588E+08	3,684608E+08	4,965633E+08	7,176091E+08	9,684665E+08	1,181905E+09	1,304634E+09	1,304622E+09	1,181883E+09	9,684454E+08
-1114	7,176001E+08	4,965746E+08	3,684844E+08	3,684829E+08	4,965796E+08	7,176167E+08	9,684619E+08	1,181890E+09	1,304619E+09	1,304627E+09	1,181909E+09	9,684858E+08
-1113	7,176357E+08	4,965855E+08	3,684861E+08	3,684951E+08	4,966017E+08	7,176420E+08	9,684849E+08	1,181905E+09	1,304621E+09	1,304614E+09	1,181881E+09	9,684447E+08
-1112	7,175986E+08	4,965653E+08	3,684710E+08	3,684723E+08	4,965708E+08	7,176107E+08	9,684611E+08	1,181892E+09	1,304616E+09	1,304617E+09	1,181897E+09	9,684717E+08
-1111	7,176286E+08	4,965941E+08	3,684902E+08	3,684818E+08	4,965777E+08	7,176203E+08	9,684744E+08	1,181907E+09	1,304632E+09	1,304634E+09	1,181913E+09	9,684866E+08
-1110	7,176288E+08	4,965755E+08	3,684722E+08	3,684724E+08	4,965722E+08	7,176174E+08	9,684774E+08	1,181916E+09	1,304641E+09	1,304628E+09	1,181882E+09	9,684379E+08
-1109	7,175891E+08	4,965537E+08	3,684579E+08	3,684564E+08	4,965524E+08	7,175895E+08	9,684418E+08	1,181887E+09	1,304635E+09	1,304651E+09	1,181923E+09	9,684830E+08
-1108	7,176284E+08	4,965757E+08	3,684598E+08	3,684568E+08	4,965680E+08	7,176226E+08	9,684766E+08	1,181906E+09	1,304640E+09	1,304656E+09	1,181933E+09	9,684798E+08
-1107	7,175965E+08	4,965338E+08	3,684263E+08	3,684278E+08	4,965398E+08	7,176050E+08	9,684823E+08	1,181931E+09	1,304661E+09	1,304646E+09	1,181903E+09	9,684549E+08
-1106	7,175846E+08	4,965267E+08	3,684197E+08	3,684176E+08	4,965273E+08	7,175915E+08	9,684721E+08	1,181930E+09	1,304671E+09	1,304671E+09	1,181934E+09	9,684910E+08
-1105	7,176208E+08	4,965422E+08	3,684180E+08	3,684206E+08	4,965408E+08	7,176112E+08	9,684923E+08	1,181948E+09	1,304684E+09	1,304676E+09	1,181921E+09	9,684527E+08
-1104	7,175731E+08	4,965104E+08	3,683967E+08	3,683961E+08	4,965112E+08	7,175833E+08	9,684731E+08	1,181940E+09	1,304684E+09	1,304680E+09	1,181933E+09	9,684670E+08
-1103	7,175861E+08	4,965282E+08	3,684163E+08	3,684115E+08	4,965229E+08	7,175907E+08	9,684732E+08	1,181934E+09	1,304683E+09	1,304693E+09	1,181957E+09	9,684994E+08
-1102	7,176096E+08	4,965299E+08	3,684151E+08	3,684207E+08	4,965408E+08	7,176122E+08	9,684897E+08	1,181937E+09	1,304671E+09	1,304665E+09	1,181915E+09	9,684500E+08
-1101	7,175743E+08	4,965172E+08	3,684141E+08	3,684195E+08	4,965316E+08	7,175900E+08	9,684588E+08	1,181907E+09	1,304647E+09	1,304655E+09	1,181924E+09	9,684825E+08
-1100	7,176242E+08	4,965684E+08	3,684500E+08	3,684454E+08	4,965571E+08	7,176160E+08	9,684766E+08	1,181909E+09	1,304635E+09	1,304640E+09	1,181920E+09	9,684845E+08
-1099	7,176169E+08	4,965608E+08	3,684561E+08	3,684568E+08	4,965606E+08	7,176119E+08	9,684772E+08	1,181918E+09	1,304637E+09	1,304611E+09	1,181866E+09	9,684339E+08
-1098	7,175940E+08	4,965658E+08	3,684771E+08	3,684768E+08	4,965676E+08	7,175973E+08	9,684448E+08	1,181882E+09	1,304615E+09	1,304616E+09	1,181890E+09	9,684701E+08
-1097	7,176404E+08	4,966067E+08	3,685070E+08	3,685101E+08	4,966084E+08	7,176354E+08	9,684626E+08	1,181874E+09	1,304594E+09	1,304599E+09	1,181878E+09	9,684467E+08
-1096	7,176062E+08	4,965856E+08	3,685019E+08	3,685068E+08	4,966007E+08	7,176286E+08	9,684604E+08	1,181870E+09	1,304579E+09	1,304576E+09	1,181862E+09	9,684454E+08
-1095	7,176170E+08	4,966047E+08	3,685220E+08	3,685200E+08	4,966059E+08	7,176276E+08	9,684561E+08	1,181866E+09	1,304580E+09	1,304587E+09	1,181884E+09	9,684821E+08
-1094	7,176553E+08	4,966227E+08	3,685277E+08	3,685308E+08	4,966253E+08	7,176519E+08	9,684783E+08	1,181880E+09	1,304582E+09	1,304570E+09	1,181847E+09	9,684309E+08
-1093	7,176095E+08	4,965986E+08	3,685157E+08	3,685155E+08	4,965995E+08	7,176168E+08	9,684470E+08	1,181866E+09	1,304584E+09	1,304581E+09	1,181862E+09	9,684535E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1092	7,176390E+08	4,966252E+08	3,685301E+08	3,685216E+08	4,966050E+08	7,176233E+08	9,684505E+08	1,181866E+09	1,304591E+09	1,304601E+09	1,181891E+09	9,684760E+08
-1091	7,176366E+08	4,966037E+08	3,685120E+08	3,685142E+08	4,966046E+08	7,176283E+08	9,684637E+08	1,181886E+09	1,304606E+09	1,304594E+09	1,181861E+09	9,684298E+08
-1090	7,175938E+08	4,965726E+08	3,684880E+08	3,684904E+08	4,965812E+08	7,176072E+08	9,684446E+08	1,181870E+09	1,304600E+09	1,304612E+09	1,181898E+09	9,684741E+08
-1089	7,176342E+08	4,965951E+08	3,684898E+08	3,684895E+08	4,965921E+08	7,176324E+08	9,684721E+08	1,181886E+09	1,304603E+09	1,304612E+09	1,181900E+09	9,684687E+08
-1088	7,176073E+08	4,965607E+08	3,684600E+08	3,684608E+08	4,965643E+08	7,176164E+08	9,684794E+08	1,181912E+09	1,304627E+09	1,304611E+09	1,181878E+09	9,684441E+08
-1087	7,175938E+08	4,965535E+08	3,684534E+08	3,684491E+08	4,965458E+08	7,175930E+08	9,684602E+08	1,181910E+09	1,304648E+09	1,304649E+09	1,181915E+09	9,684802E+08
-1086	7,176290E+08	4,965723E+08	3,684573E+08	3,684579E+08	4,965672E+08	7,176193E+08	9,684771E+08	1,181915E+09	1,304646E+09	1,304642E+09	1,181899E+09	9,684423E+08
-1085	7,175787E+08	4,965370E+08	3,684380E+08	3,684412E+08	4,965471E+08	7,175972E+08	9,684590E+08	1,181903E+09	1,304640E+09	1,304639E+09	1,181904E+09	9,684592E+08
-1084	7,176013E+08	4,965592E+08	3,684557E+08	3,684520E+08	4,965534E+08	7,176016E+08	9,684586E+08	1,181893E+09	1,304628E+09	1,304643E+09	1,181928E+09	9,684962E+08
-1083	7,176292E+08	4,965672E+08	3,684604E+08	3,684647E+08	4,965716E+08	7,176210E+08	9,684797E+08	1,181913E+09	1,304629E+09	1,304613E+09	1,181876E+09	9,684380E+08
-1082	7,175886E+08	4,965519E+08	3,684584E+08	3,684624E+08	4,965614E+08	7,176010E+08	9,684532E+08	1,181887E+09	1,304611E+09	1,304609E+09	1,181884E+09	9,684628E+08
-1081	7,176331E+08	4,966037E+08	3,685002E+08	3,684950E+08	4,965889E+08	7,176203E+08	9,684559E+08	1,181872E+09	1,304590E+09	1,304595E+09	1,181883E+09	9,684652E+08
-1080	7,176254E+08	4,965967E+08	3,685070E+08	3,685100E+08	4,966019E+08	7,176274E+08	9,684616E+08	1,181876E+09	1,304585E+09	1,304571E+09	1,181842E+09	9,684222E+08
-1079	7,176020E+08	4,965970E+08	3,685218E+08	3,685239E+08	4,966050E+08	7,176151E+08	9,684362E+08	1,181850E+09	1,304572E+09	1,304580E+09	1,181870E+09	9,684651E+08
-1078	7,176527E+08	4,966395E+08	3,685509E+08	3,685543E+08	4,966450E+08	7,176580E+08	9,684621E+08	1,181847E+09	1,304546E+09	1,304549E+09	1,181846E+09	9,684391E+08
-1077	7,176189E+08	4,966165E+08	3,685448E+08	3,685520E+08	4,966363E+08	7,176461E+08	9,684596E+08	1,181852E+09	1,304544E+09	1,304531E+09	1,181823E+09	9,684338E+08
-1076	7,176355E+08	4,966402E+08	3,685629E+08	3,685579E+08	4,966308E+08	7,176327E+08	9,684427E+08	1,181839E+09	1,304545E+09	1,304551E+09	1,181856E+09	9,684720E+08
-1075	7,176694E+08	4,966587E+08	3,685729E+08	3,685723E+08	4,966497E+08	7,176505E+08	9,684595E+08	1,181857E+09	1,304555E+09	1,304539E+09	1,181821E+09	9,684176E+08
-1074	7,176143E+08	4,966239E+08	3,685536E+08	3,685551E+08	4,966285E+08	7,176244E+08	9,684320E+08	1,181836E+09	1,304550E+09	1,304551E+09	1,181842E+09	9,684437E+08
-1073	7,176423E+08	4,966473E+08	3,685664E+08	3,685609E+08	4,966346E+08	7,176314E+08	9,684302E+08	1,181823E+09	1,304538E+09	1,304557E+09	1,181866E+09	9,684707E+08
-1072	7,176467E+08	4,966276E+08	3,685452E+08	3,685500E+08	4,966352E+08	7,176452E+08	9,684585E+08	1,181852E+09	1,304552E+09	1,304547E+09	1,181836E+09	9,684258E+08
-1071	7,176073E+08	4,965980E+08	3,685177E+08	3,685193E+08	4,966023E+08	7,176171E+08	9,684432E+08	1,181855E+09	1,304569E+09	1,304573E+09	1,181868E+09	9,684645E+08
-1070	7,176461E+08	4,966254E+08	3,685247E+08	3,685199E+08	4,966131E+08	7,176413E+08	9,684670E+08	1,181869E+09	1,304573E+09	1,304571E+09	1,181863E+09	9,684499E+08
-1069	7,176124E+08	4,965886E+08	3,684998E+08	3,685006E+08	4,965921E+08	7,176236E+08	9,684695E+08	1,181893E+09	1,304603E+09	1,304580E+09	1,181844E+09	9,684258E+08
-1068	7,176011E+08	4,965811E+08	3,684907E+08	3,684870E+08	4,965731E+08	7,175981E+08	9,684406E+08	1,181874E+09	1,304611E+09	1,304621E+09	1,181898E+09	9,684732E+08
-1067	7,176365E+08	4,966003E+08	3,684976E+08	3,684993E+08	4,965981E+08	7,176289E+08	9,684658E+08	1,181889E+09	1,304611E+09	1,304607E+09	1,181879E+09	9,684383E+08
-1066	7,175872E+08	4,965608E+08	3,684737E+08	3,684801E+08	4,965789E+08	7,176140E+08	9,684574E+08	1,181882E+09	1,304602E+09	1,304599E+09	1,181877E+09	9,684529E+08
-1065	7,176133E+08	4,965885E+08	3,684959E+08	3,684927E+08	4,965821E+08	7,176090E+08	9,684441E+08	1,181862E+09	1,304583E+09	1,304593E+09	1,181892E+09	9,684862E+08
-1064	7,176460E+08	4,966045E+08	3,685063E+08	3,685090E+08	4,966038E+08	7,176325E+08	9,684683E+08	1,181879E+09	1,304583E+09	1,304570E+09	1,181845E+09	9,684253E+08
-1063	7,176017E+08	4,965885E+08	3,685056E+08	3,685077E+08	4,965913E+08	7,176071E+08	9,684379E+08	1,181857E+09	1,304575E+09	1,304573E+09	1,181856E+09	9,684484E+08
-1062	7,176410E+08	4,966387E+08	3,685492E+08	3,685444E+08	4,966280E+08	7,176366E+08	9,684410E+08	1,181833E+09	1,304540E+09	1,304548E+09	1,181850E+09	9,684513E+08
-1061	7,176321E+08	4,966281E+08	3,685557E+08	3,685632E+08	4,966468E+08	7,176507E+08	9,684550E+08	1,181842E+09	1,304535E+09	1,304522E+09	1,181806E+09	9,684125E+08
-1060	7,176177E+08	4,966297E+08	3,685636E+08	3,685667E+08	4,966386E+08	7,176307E+08	9,684280E+08	1,181815E+09	1,304520E+09	1,304530E+09	1,181840E+09	9,684601E+08
-1059	7,176705E+08	4,966761E+08	3,685963E+08	3,685974E+08	4,966743E+08	7,176663E+08	9,684558E+08	1,181830E+09	1,304513E+09	1,304503E+09	1,181811E+09	9,684286E+08
-1058	7,176330E+08	4,966500E+08	3,685873E+08	3,685921E+08	4,966628E+08	7,176523E+08	9,684493E+08	1,181832E+09	1,304516E+09	1,304496E+09	1,181790E+09	9,684181E+08
-1057	7,176431E+08	4,966716E+08	3,686075E+08	3,686008E+08	4,966565E+08	7,176303E+08	9,684152E+08	1,181799E+09	1,304504E+09	1,304514E+09	1,181827E+09	9,684596E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1056	7,176786E+08	4,966894E+08	3,686157E+08	3,686164E+08	4,966837E+08	7,176616E+08	9,684406E+08	1,181812E+09	1,304504E+09	1,304504E+09	1,181804E+09	9,684115E+08
-1055	7,176230E+08	4,966498E+08	3,685895E+08	3,685917E+08	4,966571E+08	7,176377E+08	9,684240E+08	1,181806E+09	1,304508E+09	1,304513E+09	1,181820E+09	9,684391E+08
-1054	7,176525E+08	4,966730E+08	3,686003E+08	3,685951E+08	4,966646E+08	7,176508E+08	9,684300E+08	1,181799E+09	1,304494E+09	1,304507E+09	1,181830E+09	9,684600E+08
-1053	7,176571E+08	4,966537E+08	3,685802E+08	3,685860E+08	4,966650E+08	7,176616E+08	9,684597E+08	1,181840E+09	1,304524E+09	1,304505E+09	1,181794E+09	9,684091E+08
-1052	7,176197E+08	4,966266E+08	3,685512E+08	3,685497E+08	4,966223E+08	7,176214E+08	9,684331E+08	1,181836E+09	1,304545E+09	1,304546E+09	1,181842E+09	9,684502E+08
-1051	7,176521E+08	4,966534E+08	3,685642E+08	3,685573E+08	4,966357E+08	7,176405E+08	9,684531E+08	1,181854E+09	1,304556E+09	1,304548E+09	1,181842E+09	9,684370E+08
-1050	7,176136E+08	4,966091E+08	3,685342E+08	3,685378E+08	4,966209E+08	7,176323E+08	9,684558E+08	1,181868E+09	1,304576E+09	1,304558E+09	1,181830E+09	9,684193E+08
-1049	7,176044E+08	4,966024E+08	3,685267E+08	3,685253E+08	4,966017E+08	7,176058E+08	9,684207E+08	1,181831E+09	1,304561E+09	1,304580E+09	1,181878E+09	9,684740E+08
-1048	7,176522E+08	4,966289E+08	3,685352E+08	3,685377E+08	4,966288E+08	7,176435E+08	9,684566E+08	1,181850E+09	1,304554E+09	1,304560E+09	1,181855E+09	9,684369E+08
-1047	7,176065E+08	4,965946E+08	3,685131E+08	3,685166E+08	4,966045E+08	7,176231E+08	9,684494E+08	1,181857E+09	1,304561E+09	1,304553E+09	1,181842E+09	9,684433E+08
-1046	7,176307E+08	4,966277E+08	3,685426E+08	3,685355E+08	4,966137E+08	7,176207E+08	9,684309E+08	1,181829E+09	1,304537E+09	1,304540E+09	1,181846E+09	9,684659E+08
-1045	7,176562E+08	4,966410E+08	3,685576E+08	3,685615E+08	4,966439E+08	7,176468E+08	9,684553E+08	1,181848E+09	1,304542E+09	1,304523E+09	1,181802E+09	9,684048E+08
-1044	7,176120E+08	4,966231E+08	3,685534E+08	3,685569E+08	4,966298E+08	7,176218E+08	9,684232E+08	1,181820E+09	1,304529E+09	1,304533E+09	1,181829E+09	9,684374E+08
-1043	7,176486E+08	4,966704E+08	3,685971E+08	3,685938E+08	4,966655E+08	7,176526E+08	9,684372E+08	1,181811E+09	1,304501E+09	1,304503E+09	1,181819E+09	9,684409E+08
-1042	7,176402E+08	4,966548E+08	3,685962E+08	3,686067E+08	4,966822E+08	7,176704E+08	9,684572E+08	1,181826E+09	1,304502E+09	1,304482E+09	1,181776E+09	9,684028E+08
-1041	7,176290E+08	4,966612E+08	3,686065E+08	3,686078E+08	4,966666E+08	7,176375E+08	9,684139E+08	1,181786E+09	1,304481E+09	1,304488E+09	1,181807E+09	9,684513E+08
-1040	7,176873E+08	4,967126E+08	3,686414E+08	3,686389E+08	4,967019E+08	7,176724E+08	9,684391E+08	1,181794E+09	1,304471E+09	1,304470E+09	1,181787E+09	9,684193E+08
-1039	7,176472E+08	4,966847E+08	3,686320E+08	3,686337E+08	4,966885E+08	7,176533E+08	9,684276E+08	1,181798E+09	1,304481E+09	1,304467E+09	1,181770E+09	9,684106E+08
-1038	7,176542E+08	4,967033E+08	3,686505E+08	3,686445E+08	4,966915E+08	7,176417E+08	9,683925E+08	1,181752E+09	1,304450E+09	1,304467E+09	1,181798E+09	9,684504E+08
-1037	7,176877E+08	4,967170E+08	3,686568E+08	3,686607E+08	4,967216E+08	7,176812E+08	9,684329E+08	1,181777E+09	1,304452E+09	1,304452E+09	1,181767E+09	9,684025E+08
-1036	7,176380E+08	4,966776E+08	3,686245E+08	3,686264E+08	4,966844E+08	7,176515E+08	9,684194E+08	1,181779E+09	1,304462E+09	1,304466E+09	1,181788E+09	9,684290E+08
-1035	7,176635E+08	4,967014E+08	3,686374E+08	3,686297E+08	4,966874E+08	7,176586E+08	9,684306E+08	1,181793E+09	1,304471E+09	1,304467E+09	1,181792E+09	9,684412E+08
-1034	7,176619E+08	4,966777E+08	3,686145E+08	3,686193E+08	4,966885E+08	7,176706E+08	9,684562E+08	1,181830E+09	1,304509E+09	1,304483E+09	1,181767E+09	9,683903E+08
-1033	7,176199E+08	4,966493E+08	3,685876E+08	3,685852E+08	4,966454E+08	7,176223E+08	9,684118E+08	1,181804E+09	1,304516E+09	1,304522E+09	1,181823E+09	9,684405E+08
-1032	7,176581E+08	4,966764E+08	3,685994E+08	3,685945E+08	4,966659E+08	7,176524E+08	9,684377E+08	1,181815E+09	1,304514E+09	1,304525E+09	1,181833E+09	9,684370E+08
-1031	7,176248E+08	4,966327E+08	3,685672E+08	3,685714E+08	4,966465E+08	7,176434E+08	9,684477E+08	1,181840E+09	1,304537E+09	1,304526E+09	1,181814E+09	9,684213E+08
-1030	7,176198E+08	4,966297E+08	3,685619E+08	3,685613E+08	4,966321E+08	7,176211E+08	9,684127E+08	1,181801E+09	1,304512E+09	1,304528E+09	1,181843E+09	9,684671E+08
-1029	7,176699E+08	4,966625E+08	3,685774E+08	3,685789E+08	4,966608E+08	7,176582E+08	9,684514E+08	1,181827E+09	1,304515E+09	1,304509E+09	1,181809E+09	9,684217E+08
-1028	7,176246E+08	4,966318E+08	3,685577E+08	3,685568E+08	4,966307E+08	7,176290E+08	9,684347E+08	1,181826E+09	1,304522E+09	1,304512E+09	1,181807E+09	9,684249E+08
-1027	7,176389E+08	4,966628E+08	3,685928E+08	3,685844E+08	4,966461E+08	7,176271E+08	9,684183E+08	1,181807E+09	1,304503E+09	1,304500E+09	1,181810E+09	9,684455E+08
-1026	7,176592E+08	4,966686E+08	3,686025E+08	3,686102E+08	4,966841E+08	7,176651E+08	9,684446E+08	1,181817E+09	1,304503E+09	1,304487E+09	1,181774E+09	9,683907E+08
-1025	7,176156E+08	4,966501E+08	3,685975E+08	3,686024E+08	4,966648E+08	7,176355E+08	9,684084E+08	1,181779E+09	1,304476E+09	1,304485E+09	1,181800E+09	9,684326E+08
-1024	7,176644E+08	4,967020E+08	3,686402E+08	3,686375E+08	4,966997E+08	7,176690E+08	9,684298E+08	1,181776E+09	1,304450E+09	1,304459E+09	1,181792E+09	9,684365E+08
-1023	7,176605E+08	4,966919E+08	3,686406E+08	3,686466E+08	4,967072E+08	7,176757E+08	9,684454E+08	1,181801E+09	1,304467E+09	1,304443E+09	1,181746E+09	9,683945E+08
-1022	7,176473E+08	4,967011E+08	3,686553E+08	3,686530E+08	4,966977E+08	7,176437E+08	9,683923E+08	1,181747E+09	1,304435E+09	1,304442E+09	1,181770E+09	9,684362E+08
-1021	7,177007E+08	4,967504E+08	3,686931E+08	3,686902E+08	4,967394E+08	7,176829E+08	9,684192E+08	1,181754E+09	1,304425E+09	1,304425E+09	1,181750E+09	9,684049E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-1020	7,176602E+08	4,967184E+08	3,686775E+08	3,686794E+08	4,967239E+08	7,176667E+08	9,684103E+08	1,181755E+09	1,304429E+09	1,304424E+09	1,181745E+09	9,684013E+08
-1019	7,176632E+08	4,967321E+08	3,686933E+08	3,686888E+08	4,967256E+08	7,176589E+08	9,683930E+08	1,181733E+09	1,304408E+09	1,304419E+09	1,181763E+09	9,684371E+08
-1018	7,176945E+08	4,967389E+08	3,686903E+08	3,686976E+08	4,967537E+08	7,177022E+08	9,684391E+08	1,181767E+09	1,304424E+09	1,304414E+09	1,181734E+09	9,683870E+08
-1017	7,176431E+08	4,967015E+08	3,686587E+08	3,686586E+08	4,967068E+08	7,176598E+08	9,684132E+08	1,181761E+09	1,304435E+09	1,304433E+09	1,181759E+09	9,684161E+08
-1016	7,176717E+08	4,967261E+08	3,686720E+08	3,686626E+08	4,967095E+08	7,176654E+08	9,684211E+08	1,181770E+09	1,304446E+09	1,304449E+09	1,181776E+09	9,684296E+08
-1015	7,176680E+08	4,967015E+08	3,686485E+08	3,686518E+08	4,967084E+08	7,176713E+08	9,684405E+08	1,181806E+09	1,304487E+09	1,304469E+09	1,181758E+09	9,683871E+08
-1014	7,176285E+08	4,966729E+08	3,686212E+08	3,686209E+08	4,966752E+08	7,176325E+08	9,683916E+08	1,181762E+09	1,304469E+09	1,304486E+09	1,181804E+09	9,684388E+08
-1013	7,176714E+08	4,967019E+08	3,686348E+08	3,686315E+08	4,966961E+08	7,176670E+08	9,684281E+08	1,181780E+09	1,304464E+09	1,304476E+09	1,181801E+09	9,684346E+08
-1012	7,176464E+08	4,966637E+08	3,686033E+08	3,686054E+08	4,966706E+08	7,176519E+08	9,684372E+08	1,181808E+09	1,304488E+09	1,304477E+09	1,181781E+09	9,684139E+08
-1011	7,176377E+08	4,966653E+08	3,686055E+08	3,686008E+08	4,966561E+08	7,176262E+08	9,684067E+08	1,181785E+09	1,304475E+09	1,304477E+09	1,181796E+09	9,684445E+08
-1010	7,176776E+08	4,966934E+08	3,686210E+08	3,686219E+08	4,966914E+08	7,176690E+08	9,684424E+08	1,181805E+09	1,304485E+09	1,304473E+09	1,181772E+09	9,683965E+08
-1009	7,176256E+08	4,966617E+08	3,686047E+08	3,686037E+08	4,966643E+08	7,176378E+08	9,684153E+08	1,181788E+09	1,304479E+09	1,304474E+09	1,181778E+09	9,684088E+08
-1008	7,176438E+08	4,966900E+08	3,686367E+08	3,686315E+08	4,966850E+08	7,176468E+08	9,684079E+08	1,181766E+09	1,304456E+09	1,304468E+09	1,181791E+09	9,684362E+08
-1007	7,176684E+08	4,966968E+08	3,686438E+08	3,686526E+08	4,967168E+08	7,176818E+08	9,684414E+08	1,181792E+09	1,304465E+09	1,304451E+09	1,181753E+09	9,683888E+08
-1006	7,176327E+08	4,966825E+08	3,686395E+08	3,686458E+08	4,967001E+08	7,176512E+08	9,683984E+08	1,181747E+09	1,304429E+09	1,304435E+09	1,181765E+09	9,684249E+08
-1005	7,176849E+08	4,967404E+08	3,686879E+08	3,686831E+08	4,967324E+08	7,176811E+08	9,684197E+08	1,181748E+09	1,304410E+09	1,304411E+09	1,181752E+09	9,684248E+08
-1004	7,176816E+08	4,967329E+08	3,686907E+08	3,686923E+08	4,967353E+08	7,176782E+08	9,684239E+08	1,181764E+09	1,304424E+09	1,304405E+09	1,181718E+09	9,683824E+08
-1003	7,176598E+08	4,967384E+08	3,687077E+08	3,687044E+08	4,967314E+08	7,176500E+08	9,683759E+08	1,181715E+09	1,304390E+09	1,304398E+09	1,181738E+09	9,684199E+08
-1002	7,177059E+08	4,967780E+08	3,687369E+08	3,687382E+08	4,967795E+08	7,177030E+08	9,684098E+08	1,181719E+09	1,304379E+09	1,304384E+09	1,181722E+09	9,683916E+08
-1001	7,176650E+08	4,967445E+08	3,687179E+08	3,687208E+08	4,967568E+08	7,176831E+08	9,684017E+08	1,181718E+09	1,304374E+09	1,304373E+09	1,181712E+09	9,683926E+08
-1000	7,176755E+08	4,967585E+08	3,687291E+08	3,687253E+08	4,967552E+08	7,176763E+08	9,683923E+08	1,181709E+09	1,304369E+09	1,304380E+09	1,181732E+09	9,684243E+08
-999	7,177070E+08	4,967680E+08	3,687253E+08	3,687289E+08	4,967732E+08	7,177080E+08	9,684349E+08	1,181755E+09	1,304405E+09	1,304387E+09	1,181709E+09	9,683761E+08
-998	7,176535E+08	4,967294E+08	3,686948E+08	3,686940E+08	4,967314E+08	7,176637E+08	9,683966E+08	1,181735E+09	1,304406E+09	1,304404E+09	1,181733E+09	9,684035E+08
-997	7,176803E+08	4,967531E+08	3,687103E+08	3,687016E+08	4,967379E+08	7,176736E+08	9,684066E+08	1,181740E+09	1,304413E+09	1,304419E+09	1,181754E+09	9,684232E+08
-996	7,176800E+08	4,967276E+08	3,686835E+08	3,686863E+08	4,967327E+08	7,176779E+08	9,684240E+08	1,181769E+09	1,304444E+09	1,304437E+09	1,181745E+09	9,683854E+08
-995	7,176398E+08	4,966988E+08	3,686578E+08	3,686578E+08	4,967007E+08	7,176433E+08	9,683899E+08	1,181742E+09	1,304427E+09	1,304440E+09	1,181773E+09	9,684294E+08
-994	7,176824E+08	4,967269E+08	3,686687E+08	3,686672E+08	4,967245E+08	7,176815E+08	9,684254E+08	1,181761E+09	1,304431E+09	1,304435E+09	1,181767E+09	9,684180E+08
-993	7,176547E+08	4,966936E+08	3,686424E+08	3,686412E+08	4,966942E+08	7,176578E+08	9,684235E+08	1,181778E+09	1,304449E+09	1,304434E+09	1,181746E+09	9,683970E+08
-992	7,176470E+08	4,966957E+08	3,686480E+08	3,686428E+08	4,966856E+08	7,176355E+08	9,683932E+08	1,181752E+09	1,304441E+09	1,304449E+09	1,181770E+09	9,684258E+08
-991	7,176828E+08	4,967224E+08	3,686635E+08	3,686650E+08	4,967217E+08	7,176769E+08	9,684274E+08	1,181775E+09	1,304451E+09	1,304445E+09	1,181753E+09	9,683881E+08
-990	7,176335E+08	4,966889E+08	3,686463E+08	3,686504E+08	4,967040E+08	7,176553E+08	9,684002E+08	1,181745E+09	1,304425E+09	1,304428E+09	1,181751E+09	9,684027E+08
-989	7,176578E+08	4,967205E+08	3,686798E+08	3,686773E+08	4,967222E+08	7,176673E+08	9,684042E+08	1,181734E+09	1,304403E+09	1,304413E+09	1,181756E+09	9,684312E+08
-988	7,176897E+08	4,967333E+08	3,686881E+08	3,686945E+08	4,967455E+08	7,176917E+08	9,684314E+08	1,181761E+09	1,304417E+09	1,304402E+09	1,181721E+09	9,683812E+08
-987	7,176527E+08	4,967241E+08	3,686911E+08	3,686931E+08	4,967289E+08	7,176582E+08	9,683908E+08	1,181726E+09	1,304389E+09	1,304385E+09	1,181721E+09	9,684056E+08
-986	7,176972E+08	4,967774E+08	3,687379E+08	3,687332E+08	4,967675E+08	7,176910E+08	9,684045E+08	1,181718E+09	1,304374E+09	1,304374E+09	1,181718E+09	9,684033E+08
-985	7,176873E+08	4,967679E+08	3,687412E+08	3,687428E+08	4,967719E+08	7,176881E+08	9,684017E+08	1,181718E+09	1,304372E+09	1,304361E+09	1,181690E+09	9,683711E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-984	7,176690E+08	4,967687E+08	3,687527E+08	3,687525E+08	4,967712E+08	7,176709E+08	9,683667E+08	1,181675E+09	1,304340E+09	1,304359E+09	1,181713E+09	9,684095E+08
-983	7,177148E+08	4,968049E+08	3,687754E+08	3,687779E+08	4,968102E+08	7,177201E+08	9,684109E+08	1,181700E+09	1,304342E+09	1,304344E+09	1,181697E+09	9,683866E+08
-982	7,176789E+08	4,967725E+08	3,687537E+08	3,687590E+08	4,967884E+08	7,176985E+08	9,683979E+08	1,181696E+09	1,304337E+09	1,304329E+09	1,181677E+09	9,683807E+08
-981	7,176894E+08	4,967891E+08	3,687666E+08	3,687609E+08	4,967800E+08	7,176865E+08	9,683881E+08	1,181693E+09	1,304343E+09	1,304344E+09	1,181699E+09	9,684103E+08
-980	7,177186E+08	4,967987E+08	3,687641E+08	3,687642E+08	4,967931E+08	7,177068E+08	9,684167E+08	1,181728E+09	1,304377E+09	1,304365E+09	1,181693E+09	9,683680E+08
-979	7,176620E+08	4,967577E+08	3,687348E+08	3,687336E+08	4,967559E+08	7,176658E+08	9,683815E+08	1,181708E+09	1,304372E+09	1,304372E+09	1,181711E+09	9,683931E+08
-978	7,176844E+08	4,967738E+08	3,687429E+08	3,687382E+08	4,967675E+08	7,176859E+08	9,683949E+08	1,181708E+09	1,304373E+09	1,304385E+09	1,181735E+09	9,684155E+08
-977	7,176869E+08	4,967517E+08	3,687170E+08	3,687197E+08	4,967572E+08	7,176867E+08	9,684113E+08	1,181732E+09	1,304391E+09	1,304388E+09	1,181717E+09	9,683815E+08
-976	7,176546E+08	4,967263E+08	3,686920E+08	3,686918E+08	4,967262E+08	7,176545E+08	9,683820E+08	1,181713E+09	1,304386E+09	1,304399E+09	1,181740E+09	9,684153E+08
-975	7,176940E+08	4,967575E+08	3,687061E+08	3,687013E+08	4,967458E+08	7,176865E+08	9,684171E+08	1,181742E+09	1,304402E+09	1,304401E+09	1,181737E+09	9,684041E+08
-974	7,176641E+08	4,967238E+08	3,686833E+08	3,686844E+08	4,967268E+08	7,176663E+08	9,684060E+08	1,181744E+09	1,304408E+09	1,304394E+09	1,181712E+09	9,683794E+08
-973	7,176541E+08	4,967253E+08	3,686909E+08	3,686890E+08	4,967228E+08	7,176524E+08	9,683837E+08	1,181721E+09	1,304399E+09	1,304406E+09	1,181740E+09	9,684139E+08
-972	7,176911E+08	4,967512E+08	3,687051E+08	3,687083E+08	4,967552E+08	7,176921E+08	9,684191E+08	1,181743E+09	1,304405E+09	1,304405E+09	1,181733E+09	9,683846E+08
-971	7,176465E+08	4,967195E+08	3,686895E+08	3,686951E+08	4,967362E+08	7,176714E+08	9,684038E+08	1,181729E+09	1,304383E+09	1,304378E+09	1,181715E+09	9,683914E+08
-970	7,176710E+08	4,967517E+08	3,687210E+08	3,687201E+08	4,967551E+08	7,176832E+08	9,684021E+08	1,181716E+09	1,304371E+09	1,304372E+09	1,181722E+09	9,684154E+08
-969	7,177018E+08	4,967715E+08	3,687357E+08	3,687376E+08	4,967725E+08	7,176962E+08	9,684140E+08	1,181727E+09	1,304374E+09	1,304360E+09	1,181689E+09	9,683686E+08
-968	7,176663E+08	4,967621E+08	3,687418E+08	3,687428E+08	4,967629E+08	7,176658E+08	9,683697E+08	1,181686E+09	1,304348E+09	1,304352E+09	1,181695E+09	9,683915E+08
-967	7,177075E+08	4,968122E+08	3,687861E+08	3,687818E+08	4,968022E+08	7,176997E+08	9,683845E+08	1,181679E+09	1,304330E+09	1,304338E+09	1,181697E+09	9,683982E+08
-966	7,176993E+08	4,967986E+08	3,687851E+08	3,687920E+08	4,968135E+08	7,177055E+08	9,683852E+08	1,181671E+09	1,304310E+09	1,304305E+09	1,181657E+09	9,683643E+08
-965	7,176853E+08	4,968018E+08	3,687957E+08	3,687970E+08	4,968072E+08	7,176912E+08	9,683658E+08	1,181648E+09	1,304288E+09	1,304299E+09	1,181673E+09	9,684003E+08
-964	7,177314E+08	4,968395E+08	3,688170E+08	3,688160E+08	4,968348E+08	7,177271E+08	9,684029E+08	1,181677E+09	1,304303E+09	1,304299E+09	1,181663E+09	9,683747E+08
-963	7,176925E+08	4,968075E+08	3,687981E+08	3,687993E+08	4,968118E+08	7,177037E+08	9,683939E+08	1,181683E+09	1,304309E+09	1,304290E+09	1,181640E+09	9,683597E+08
-962	7,176940E+08	4,968167E+08	3,688064E+08	3,688020E+08	4,968094E+08	7,176944E+08	9,683755E+08	1,181669E+09	1,304319E+09	1,304321E+09	1,181677E+09	9,683916E+08
-961	7,177183E+08	4,968241E+08	3,688018E+08	3,688022E+08	4,968206E+08	7,177127E+08	9,683958E+08	1,181688E+09	1,304335E+09	1,304334E+09	1,181678E+09	9,683641E+08
-960	7,176692E+08	4,967805E+08	3,687689E+08	3,687706E+08	4,967867E+08	7,176808E+08	9,683706E+08	1,181673E+09	1,304331E+09	1,304341E+09	1,181694E+09	9,683899E+08
-959	7,176948E+08	4,967966E+08	3,687734E+08	3,687695E+08	4,967907E+08	7,176952E+08	9,683897E+08	1,181687E+09	1,304338E+09	1,304349E+09	1,181713E+09	9,684146E+08
-958	7,177017E+08	4,967776E+08	3,687486E+08	3,687537E+08	4,967846E+08	7,176964E+08	9,684013E+08	1,181706E+09	1,304350E+09	1,304341E+09	1,181681E+09	9,683703E+08
-957	7,176689E+08	4,967580E+08	3,687302E+08	3,687282E+08	4,967519E+08	7,176649E+08	9,683769E+08	1,181693E+09	1,304352E+09	1,304355E+09	1,181703E+09	9,683988E+08
-956	7,177013E+08	4,967877E+08	3,687472E+08	3,687407E+08	4,967708E+08	7,176896E+08	9,684017E+08	1,181714E+09	1,304369E+09	1,304369E+09	1,181714E+09	9,683919E+08
-955	7,176703E+08	4,967528E+08	3,687263E+08	3,687290E+08	4,967597E+08	7,176796E+08	9,684000E+08	1,181719E+09	1,304369E+09	1,304354E+09	1,181683E+09	9,683653E+08
-954	7,176580E+08	4,967491E+08	3,687281E+08	3,687314E+08	4,967595E+08	7,176730E+08	9,683804E+08	1,181694E+09	1,304359E+09	1,304368E+09	1,181714E+09	9,684021E+08
-953	7,176984E+08	4,967803E+08	3,687444E+08	3,687475E+08	4,967843E+08	7,177039E+08	9,684100E+08	1,181711E+09	1,304356E+09	1,304356E+09	1,181703E+09	9,683808E+08
-952	7,176647E+08	4,967549E+08	3,687330E+08	3,687373E+08	4,967661E+08	7,176809E+08	9,683911E+08	1,181700E+09	1,304347E+09	1,304339E+09	1,181682E+09	9,683794E+08
-951	7,176866E+08	4,967900E+08	3,687682E+08	3,687631E+08	4,967808E+08	7,176847E+08	9,683849E+08	1,181689E+09	1,304338E+09	1,304338E+09	1,181695E+09	9,684063E+08
-950	7,177165E+08	4,968092E+08	3,687860E+08	3,687898E+08	4,968105E+08	7,177029E+08	9,683881E+08	1,181681E+09	1,304322E+09	1,304314E+09	1,181657E+09	9,683567E+08
-949	7,176801E+08	4,968002E+08	3,687928E+08	3,687951E+08	4,968040E+08	7,176834E+08	9,683561E+08	1,181644E+09	1,304291E+09	1,304297E+09	1,181661E+09	9,683815E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-948	7,177185E+08	4,968459E+08	3,688334E+08	3,688299E+08	4,968389E+08	7,177158E+08	9,683750E+08	1,181642E+09	1,304276E+09	1,304287E+09	1,181667E+09	9,683923E+08
-947	7,177143E+08	4,968325E+08	3,688309E+08	3,688385E+08	4,968486E+08	7,177247E+08	9,683896E+08	1,181653E+09	1,304265E+09	1,304249E+09	1,181612E+09	9,683465E+08
-946	7,176949E+08	4,968316E+08	3,688351E+08	3,688381E+08	4,968400E+08	7,177082E+08	9,683660E+08	1,181634E+09	1,304262E+09	1,304262E+09	1,181636E+09	9,683777E+08
-945	7,177353E+08	4,968709E+08	3,688587E+08	3,688544E+08	4,968594E+08	7,177317E+08	9,683893E+08	1,181651E+09	1,304272E+09	1,304267E+09	1,181637E+09	9,683630E+08
-944	7,177001E+08	4,968362E+08	3,688392E+08	3,688406E+08	4,968400E+08	7,177079E+08	9,683731E+08	1,181652E+09	1,304283E+09	1,304272E+09	1,181624E+09	9,683501E+08
-943	7,176990E+08	4,968405E+08	3,688417E+08	3,688383E+08	4,968356E+08	7,176998E+08	9,683578E+08	1,181637E+09	1,304285E+09	1,304298E+09	1,181668E+09	9,683944E+08
-942	7,177292E+08	4,968462E+08	3,688337E+08	3,688384E+08	4,968512E+08	7,177237E+08	9,683793E+08	1,181645E+09	1,304279E+09	1,304286E+09	1,181653E+09	9,683642E+08
-941	7,176867E+08	4,968088E+08	3,688024E+08	3,688037E+08	4,968130E+08	7,176948E+08	9,683674E+08	1,181647E+09	1,304281E+09	1,304284E+09	1,181657E+09	9,683836E+08
-940	7,177108E+08	4,968278E+08	3,688095E+08	3,688017E+08	4,968110E+08	7,176989E+08	9,683790E+08	1,181664E+09	1,304301E+09	1,304304E+09	1,181678E+09	9,684033E+08
-939	7,177150E+08	4,968105E+08	3,687902E+08	3,687920E+08	4,968088E+08	7,177035E+08	9,683971E+08	1,181689E+09	1,304319E+09	1,304298E+09	1,181639E+09	9,683462E+08
-938	7,176714E+08	4,967845E+08	3,687695E+08	3,687703E+08	4,967851E+08	7,176781E+08	9,683691E+08	1,181672E+09	1,304326E+09	1,304328E+09	1,181675E+09	9,683755E+08
-937	7,176979E+08	4,968124E+08	3,687864E+08	3,687810E+08	4,968023E+08	7,177020E+08	9,683890E+08	1,181681E+09	1,304328E+09	1,304334E+09	1,181692E+09	9,683845E+08
-936	7,176765E+08	4,967773E+08	3,687641E+08	3,687699E+08	4,967936E+08	7,176970E+08	9,683936E+08	1,181693E+09	1,304336E+09	1,304324E+09	1,181661E+09	9,683598E+08
-935	7,176693E+08	4,967762E+08	3,687643E+08	3,687676E+08	4,967864E+08	7,176836E+08	9,683755E+08	1,181676E+09	1,304329E+09	1,304335E+09	1,181693E+09	9,684020E+08
-934	7,177166E+08	4,968122E+08	3,687841E+08	3,687877E+08	4,968137E+08	7,177104E+08	9,683927E+08	1,181677E+09	1,304313E+09	1,304310E+09	1,181668E+09	9,683733E+08
-933	7,176851E+08	4,967962E+08	3,687827E+08	3,687834E+08	4,967968E+08	7,176881E+08	9,683753E+08	1,181667E+09	1,304302E+09	1,304291E+09	1,181648E+09	9,683689E+08
-932	7,177013E+08	4,968302E+08	3,688213E+08	3,688139E+08	4,968136E+08	7,176861E+08	9,683566E+08	1,181643E+09	1,304288E+09	1,304295E+09	1,181668E+09	9,683982E+08
-931	7,177295E+08	4,968462E+08	3,688386E+08	3,688435E+08	4,968512E+08	7,177200E+08	9,683762E+08	1,181639E+09	1,304263E+09	1,304257E+09	1,181617E+09	9,683415E+08
-930	7,176890E+08	4,968317E+08	3,688392E+08	3,688459E+08	4,968479E+08	7,177091E+08	9,683542E+08	1,181611E+09	1,304238E+09	1,304244E+09	1,181622E+09	9,683627E+08
-929	7,177254E+08	4,968781E+08	3,688771E+08	3,688729E+08	4,968718E+08	7,177314E+08	9,683698E+08	1,181613E+09	1,304225E+09	1,304231E+09	1,181626E+09	9,683793E+08
-928	7,177280E+08	4,968669E+08	3,688750E+08	3,688812E+08	4,968800E+08	7,177372E+08	9,683814E+08	1,181633E+09	1,304239E+09	1,304215E+09	1,181576E+09	9,683290E+08
-927	7,177043E+08	4,968636E+08	3,688770E+08	3,688770E+08	4,968649E+08	7,177121E+08	9,683532E+08	1,181614E+09	1,304241E+09	1,304240E+09	1,181616E+09	9,683684E+08
-926	7,177437E+08	4,968977E+08	3,688987E+08	3,688973E+08	4,968912E+08	7,177369E+08	9,683664E+08	1,181612E+09	1,304231E+09	1,304234E+09	1,181616E+09	9,683577E+08
-925	7,177122E+08	4,968655E+08	3,688789E+08	3,688809E+08	4,968718E+08	7,177215E+08	9,683616E+08	1,181617E+09	1,304237E+09	1,304230E+09	1,181604E+09	9,683496E+08
-924	7,177105E+08	4,968666E+08	3,688778E+08	3,688739E+08	4,968609E+08	7,177078E+08	9,683460E+08	1,181606E+09	1,304241E+09	1,304257E+09	1,181647E+09	9,683951E+08
-923	7,177459E+08	4,968746E+08	3,688695E+08	3,688728E+08	4,968764E+08	7,177373E+08	9,683808E+08	1,181627E+09	1,304240E+09	1,304237E+09	1,181612E+09	9,683490E+08
-922	7,176974E+08	4,968366E+08	3,688370E+08	3,688375E+08	4,968397E+08	7,177085E+08	9,683662E+08	1,181633E+09	1,304256E+09	1,304249E+09	1,181619E+09	9,683580E+08
-921	7,177127E+08	4,968558E+08	3,688473E+08	3,688364E+08	4,968335E+08	7,177033E+08	9,683660E+08	1,181639E+09	1,304271E+09	1,304272E+09	1,181649E+09	9,683872E+08
-920	7,177197E+08	4,968365E+08	3,688294E+08	3,688328E+08	4,968398E+08	7,177117E+08	9,683792E+08	1,181662E+09	1,304296E+09	1,304278E+09	1,181619E+09	9,683335E+08
-919	7,176735E+08	4,968054E+08	3,688035E+08	3,688066E+08	4,968143E+08	7,176893E+08	9,683575E+08	1,181645E+09	1,304296E+09	1,304305E+09	1,181664E+09	9,683764E+08
-918	7,177070E+08	4,968328E+08	3,688197E+08	3,688191E+08	4,968340E+08	7,177151E+08	9,683770E+08	1,181644E+09	1,304277E+09	1,304289E+09	1,181667E+09	9,683851E+08
-917	7,176966E+08	4,968098E+08	3,688029E+08	3,688067E+08	4,968204E+08	7,177085E+08	9,683872E+08	1,181665E+09	1,304288E+09	1,304270E+09	1,181628E+09	9,683551E+08
-916	7,176878E+08	4,968135E+08	3,688094E+08	3,688073E+08	4,968098E+08	7,176841E+08	9,683562E+08	1,181644E+09	1,304288E+09	1,304291E+09	1,181660E+09	9,683941E+08
-915	7,177360E+08	4,968535E+08	3,688365E+08	3,688356E+08	4,968447E+08	7,177179E+08	9,683779E+08	1,181642E+09	1,304266E+09	1,304261E+09	1,181625E+09	9,683516E+08
-914	7,176945E+08	4,968322E+08	3,688340E+08	3,688368E+08	4,968392E+08	7,177048E+08	9,683603E+08	1,181629E+09	1,304256E+09	1,304247E+09	1,181611E+09	9,683451E+08
-913	7,177049E+08	4,968636E+08	3,688704E+08	3,688646E+08	4,968546E+08	7,177051E+08	9,683437E+08	1,181600E+09	1,304229E+09	1,304242E+09	1,181634E+09	9,683879E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-912	7,177405E+08	4,968777E+08	3,688850E+08	3,688932E+08	4,968928E+08	7,177418E+08	9,683708E+08	1,181611E+09	1,304222E+09	1,304211E+09	1,181581E+09	9,683287E+08
-911	7,176997E+08	4,968615E+08	3,688802E+08	3,688870E+08	4,968799E+08	7,177254E+08	9,683546E+08	1,181597E+09	1,304209E+09	1,304207E+09	1,181592E+09	9,683539E+08
-910	7,177378E+08	4,969073E+08	3,689182E+08	3,689147E+08	4,969020E+08	7,177409E+08	9,683586E+08	1,181586E+09	1,304190E+09	1,304191E+09	1,181592E+09	9,683662E+08
-909	7,177428E+08	4,969034E+08	3,689211E+08	3,689236E+08	4,969076E+08	7,177438E+08	9,683689E+08	1,181607E+09	1,304204E+09	1,304180E+09	1,181552E+09	9,683199E+08
-908	7,177145E+08	4,968960E+08	3,689221E+08	3,689201E+08	4,968924E+08	7,177125E+08	9,683275E+08	1,181576E+09	1,304203E+09	1,304212E+09	1,181601E+09	9,683678E+08
-907	7,177579E+08	4,969280E+08	3,689406E+08	3,689389E+08	4,969226E+08	7,177504E+08	9,683545E+08	1,181573E+09	1,304180E+09	1,304188E+09	1,181587E+09	9,683502E+08
-906	7,177247E+08	4,968926E+08	3,689163E+08	3,689203E+08	4,969045E+08	7,177392E+08	9,683568E+08	1,181587E+09	1,304190E+09	1,304184E+09	1,181570E+09	9,683358E+08
-905	7,177214E+08	4,968957E+08	3,689139E+08	3,689077E+08	4,968847E+08	7,177162E+08	9,683363E+08	1,181576E+09	1,304194E+09	1,304206E+09	1,181609E+09	9,683832E+08
-904	7,177589E+08	4,969048E+08	3,689080E+08	3,689090E+08	4,969018E+08	7,177444E+08	9,683687E+08	1,181608E+09	1,304218E+09	1,304205E+09	1,181577E+09	9,683289E+08
-903	7,177027E+08	4,968633E+08	3,688743E+08	3,688729E+08	4,968638E+08	7,177148E+08	9,683563E+08	1,181615E+09	1,304237E+09	1,304230E+09	1,181599E+09	9,683449E+08
-902	7,177147E+08	4,968752E+08	3,688821E+08	3,688756E+08	4,968646E+08	7,177127E+08	9,683489E+08	1,181604E+09	1,304232E+09	1,304241E+09	1,181626E+09	9,683771E+08
-901	7,177274E+08	4,968615E+08	3,688660E+08	3,688707E+08	4,968712E+08	7,177296E+08	9,683749E+08	1,181633E+09	1,304253E+09	1,304240E+09	1,181601E+09	9,683324E+08
-900	7,176842E+08	4,968303E+08	3,688394E+08	3,688423E+08	4,968399E+08	7,176982E+08	9,683480E+08	1,181618E+09	1,304256E+09	1,304267E+09	1,181643E+09	9,683779E+08
-899	7,177261E+08	4,968628E+08	3,688574E+08	3,688547E+08	4,968598E+08	7,177282E+08	9,683747E+08	1,181621E+09	1,304236E+09	1,304240E+09	1,181628E+09	9,683719E+08
-898	7,177126E+08	4,968440E+08	3,688459E+08	3,688478E+08	4,968503E+08	7,177203E+08	9,683790E+08	1,181641E+09	1,304253E+09	1,304232E+09	1,181591E+09	9,683327E+08
-897	7,176967E+08	4,968498E+08	3,688577E+08	3,688524E+08	4,968386E+08	7,176875E+08	9,683344E+08	1,181604E+09	1,304241E+09	1,304248E+09	1,181627E+09	9,683797E+08
-896	7,177466E+08	4,968883E+08	3,688867E+08	3,688875E+08	4,968840E+08	7,177287E+08	9,683548E+08	1,181603E+09	1,304227E+09	1,304224E+09	1,181595E+09	9,683371E+08
-895	7,177020E+08	4,968623E+08	3,688793E+08	3,688843E+08	4,968781E+08	7,177237E+08	9,683503E+08	1,181593E+09	1,304209E+09	1,304206E+09	1,181585E+09	9,683385E+08
-894	7,177158E+08	4,968902E+08	3,689123E+08	3,689112E+08	4,968928E+08	7,177240E+08	9,683360E+08	1,181563E+09	1,304172E+09	1,304183E+09	1,181593E+09	9,683772E+08
-893	7,177594E+08	4,969149E+08	3,689307E+08	3,689367E+08	4,969252E+08	7,177584E+08	9,683692E+08	1,181588E+09	1,304175E+09	1,304156E+09	1,181543E+09	9,683178E+08
-892	7,177152E+08	4,968992E+08	3,689284E+08	3,689302E+08	4,969056E+08	7,177282E+08	9,683393E+08	1,181572E+09	1,304177E+09	1,304171E+09	1,181563E+09	9,683440E+08
-891	7,177536E+08	4,969443E+08	3,689674E+08	3,689607E+08	4,969325E+08	7,177501E+08	9,683461E+08	1,181556E+09	1,304152E+09	1,304153E+09	1,181559E+09	9,683484E+08
-890	7,177520E+08	4,969362E+08	3,689681E+08	3,689719E+08	4,969449E+08	7,177582E+08	9,683547E+08	1,181572E+09	1,304165E+09	1,304149E+09	1,181528E+09	9,683038E+08
-889	7,177204E+08	4,969254E+08	3,689641E+08	3,689628E+08	4,969250E+08	7,177256E+08	9,683130E+08	1,181535E+09	1,304151E+09	1,304168E+09	1,181578E+09	9,683646E+08
-888	7,177718E+08	4,969560E+08	3,689793E+08	3,689794E+08	4,969546E+08	7,177638E+08	9,683446E+08	1,181548E+09	1,304146E+09	1,304150E+09	1,181557E+09	9,683409E+08
-887	7,177365E+08	4,969183E+08	3,689493E+08	3,689528E+08	4,969293E+08	7,177507E+08	9,683535E+08	1,181571E+09	1,304163E+09	1,304151E+09	1,181543E+09	9,683262E+08
-886	7,177312E+08	4,969195E+08	3,689479E+08	3,689424E+08	4,969090E+08	7,177232E+08	9,683255E+08	1,181551E+09	1,304159E+09	1,304168E+09	1,181576E+09	9,683672E+08
-885	7,177691E+08	4,969345E+08	3,689467E+08	3,689454E+08	4,969259E+08	7,177511E+08	9,683581E+08	1,181582E+09	1,304181E+09	1,304172E+09	1,181556E+09	9,683175E+08
-884	7,177066E+08	4,968872E+08	3,689114E+08	3,689104E+08	4,968893E+08	7,177191E+08	9,683379E+08	1,181583E+09	1,304203E+09	1,304204E+09	1,181586E+09	9,683430E+08
-883	7,177245E+08	4,968978E+08	3,689164E+08	3,689115E+08	4,968944E+08	7,177312E+08	9,683450E+08	1,181571E+09	1,304186E+09	1,304199E+09	1,181599E+09	9,683677E+08
-882	7,177381E+08	4,968862E+08	3,689002E+08	3,689064E+08	4,969003E+08	7,177464E+08	9,683737E+08	1,181609E+09	1,304211E+09	1,304197E+09	1,181568E+09	9,683183E+08
-881	7,176971E+08	4,968611E+08	3,688766E+08	3,688769E+08	4,968627E+08	7,177042E+08	9,683362E+08	1,181589E+09	1,304212E+09	1,304218E+09	1,181608E+09	9,683680E+08
-880	7,177438E+08	4,968989E+08	3,689018E+08	3,688961E+08	4,968858E+08	7,177298E+08	9,683546E+08	1,181595E+09	1,304209E+09	1,304205E+09	1,181592E+09	9,683536E+08
-879	7,177227E+08	4,968774E+08	3,688915E+08	3,688923E+08	4,968808E+08	7,177268E+08	9,683616E+08	1,181610E+09	1,304219E+09	1,304201E+09	1,181567E+09	9,683200E+08
-878	7,177039E+08	4,968782E+08	3,689037E+08	3,689027E+08	4,968774E+08	7,177012E+08	9,683154E+08	1,181558E+09	1,304185E+09	1,304200E+09	1,181596E+09	9,683672E+08
-877	7,177585E+08	4,969221E+08	3,689340E+08	3,689359E+08	4,969231E+08	7,177511E+08	9,683512E+08	1,181567E+09	1,304168E+09	1,304171E+09	1,181566E+09	9,683299E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-876	7,177143E+08	4,968947E+08	3,689252E+08	3,689306E+08	4,969123E+08	7,177389E+08	9,683449E+08	1,181567E+09	1,304166E+09	1,304160E+09	1,181554E+09	9,683326E+08
-875	7,177346E+08	4,969251E+08	3,689571E+08	3,689545E+08	4,969261E+08	7,177435E+08	9,683363E+08	1,181541E+09	1,304132E+09	1,304134E+09	1,181549E+09	9,683561E+08
-874	7,177721E+08	4,969524E+08	3,689797E+08	3,689838E+08	4,969586E+08	7,177717E+08	9,683627E+08	1,181567E+09	1,304144E+09	1,304122E+09	1,181508E+09	9,682956E+08
-873	7,177242E+08	4,969360E+08	3,689782E+08	3,689782E+08	4,969363E+08	7,177314E+08	9,683167E+08	1,181534E+09	1,304135E+09	1,304136E+09	1,181539E+09	9,683354E+08
-872	7,177653E+08	4,969772E+08	3,690149E+08	3,690103E+08	4,969688E+08	7,177576E+08	9,683217E+08	1,181518E+09	1,304117E+09	1,304123E+09	1,181539E+09	9,683415E+08
-871	7,177624E+08	4,969644E+08	3,690083E+08	3,690143E+08	4,969788E+08	7,177738E+08	9,683440E+08	1,181536E+09	1,304119E+09	1,304112E+09	1,181511E+09	9,683041E+08
-870	7,177341E+08	4,969502E+08	3,690001E+08	3,690016E+08	4,969546E+08	7,177380E+08	9,683024E+08	1,181497E+09	1,304093E+09	1,304111E+09	1,181541E+09	9,683560E+08
-869	7,177898E+08	4,969896E+08	3,690179E+08	3,690146E+08	4,969793E+08	7,177750E+08	9,683402E+08	1,181523E+09	1,304098E+09	1,304098E+09	1,181522E+09	9,683288E+08
-868	7,177481E+08	4,969501E+08	3,689899E+08	3,689895E+08	4,969508E+08	7,177525E+08	9,683392E+08	1,181547E+09	1,304133E+09	1,304116E+09	1,181514E+09	9,683126E+08
-867	7,177405E+08	4,969470E+08	3,689859E+08	3,689798E+08	4,969367E+08	7,177355E+08	9,683177E+08	1,181525E+09	1,304125E+09	1,304132E+09	1,181542E+09	9,683446E+08
-866	7,177704E+08	4,969587E+08	3,689840E+08	3,689858E+08	4,969593E+08	7,177687E+08	9,683537E+08	1,181558E+09	1,304149E+09	1,304143E+09	1,181532E+09	9,683018E+08
-865	7,177098E+08	4,969094E+08	3,689448E+08	3,689456E+08	4,969160E+08	7,177312E+08	9,683308E+08	1,181554E+09	1,304162E+09	1,304167E+09	1,181566E+09	9,683401E+08
-864	7,177365E+08	4,969218E+08	3,689492E+08	3,689461E+08	4,969199E+08	7,177398E+08	9,683380E+08	1,181556E+09	1,304162E+09	1,304166E+09	1,181573E+09	9,683593E+08
-863	7,177502E+08	4,969130E+08	3,689329E+08	3,689376E+08	4,969219E+08	7,177539E+08	9,683673E+08	1,181592E+09	1,304187E+09	1,304169E+09	1,181546E+09	9,683102E+08
-862	7,177083E+08	4,968890E+08	3,689154E+08	3,689152E+08	4,968867E+08	7,177069E+08	9,683179E+08	1,181555E+09	1,304171E+09	1,304178E+09	1,181575E+09	9,683539E+08
-861	7,177574E+08	4,969351E+08	3,689483E+08	3,689410E+08	4,969158E+08	7,177359E+08	9,683359E+08	1,181556E+09	1,304160E+09	1,304165E+09	1,181570E+09	9,683444E+08
-860	7,177318E+08	4,969097E+08	3,689387E+08	3,689410E+08	4,969160E+08	7,177360E+08	9,683404E+08	1,181567E+09	1,304169E+09	1,304160E+09	1,181544E+09	9,683166E+08
-859	7,177184E+08	4,969098E+08	3,689481E+08	3,689493E+08	4,969172E+08	7,177267E+08	9,683130E+08	1,181521E+09	1,304126E+09	1,304141E+09	1,181555E+09	9,683512E+08
-858	7,177707E+08	4,969562E+08	3,689801E+08	3,689834E+08	4,969611E+08	7,177736E+08	9,683534E+08	1,181543E+09	1,304121E+09	1,304116E+09	1,181522E+09	9,683099E+08
-857	7,177274E+08	4,969317E+08	3,689721E+08	3,689757E+08	4,969428E+08	7,177491E+08	9,683360E+08	1,181541E+09	1,304123E+09	1,304110E+09	1,181515E+09	9,683183E+08
-856	7,177501E+08	4,969639E+08	3,690072E+08	3,690032E+08	4,969582E+08	7,177485E+08	9,683196E+08	1,181519E+09	1,304109E+09	1,304103E+09	1,181517E+09	9,683376E+08
-855	7,177801E+08	4,969859E+08	3,690266E+08	3,690311E+08	4,969923E+08	7,177805E+08	9,683457E+08	1,181535E+09	1,304112E+09	1,304097E+09	1,181492E+09	9,682881E+08
-854	7,177324E+08	4,969646E+08	3,690232E+08	3,690271E+08	4,969734E+08	7,177440E+08	9,682976E+08	1,181488E+09	1,304080E+09	1,304091E+09	1,181515E+09	9,683314E+08
-853	7,177812E+08	4,970108E+08	3,690587E+08	3,690543E+08	4,970021E+08	7,177727E+08	9,683129E+08	1,181480E+09	1,304056E+09	1,304071E+09	1,181515E+09	9,683397E+08
-852	7,177773E+08	4,969950E+08	3,690485E+08	3,690540E+08	4,970065E+08	7,177829E+08	9,683341E+08	1,181508E+09	1,304074E+09	1,304064E+09	1,181481E+09	9,683000E+08
-851	7,177527E+08	4,969827E+08	3,690382E+08	3,690373E+08	4,969824E+08	7,177548E+08	9,683011E+08	1,181474E+09	1,304052E+09	1,304061E+09	1,181496E+09	9,683322E+08
-850	7,177972E+08	4,970216E+08	3,690593E+08	3,690536E+08	4,970059E+08	7,177852E+08	9,683356E+08	1,181505E+09	1,304070E+09	1,304064E+09	1,181485E+09	9,683038E+08
-849	7,177509E+08	4,969777E+08	3,690291E+08	3,690290E+08	4,969771E+08	7,177566E+08	9,683228E+08	1,181519E+09	1,304100E+09	1,304087E+09	1,181492E+09	9,683016E+08
-848	7,177458E+08	4,969704E+08	3,690214E+08	3,690192E+08	4,969671E+08	7,177436E+08	9,683025E+08	1,181501E+09	1,304102E+09	1,304108E+09	1,181524E+09	9,683356E+08
-847	7,177738E+08	4,969778E+08	3,690135E+08	3,690183E+08	4,969861E+08	7,177824E+08	9,683493E+08	1,181535E+09	1,304116E+09	1,304115E+09	1,181519E+09	9,683025E+08
-846	7,177203E+08	4,969304E+08	3,689753E+08	3,689780E+08	4,969387E+08	7,177382E+08	9,683207E+08	1,181525E+09	1,304116E+09	1,304120E+09	1,181536E+09	9,683349E+08
-845	7,177546E+08	4,969552E+08	3,689867E+08	3,689793E+08	4,969398E+08	7,177429E+08	9,683262E+08	1,181529E+09	1,304119E+09	1,304124E+09	1,181547E+09	9,683509E+08
-844	7,177636E+08	4,969476E+08	3,689764E+08	3,689774E+08	4,969447E+08	7,177524E+08	9,683455E+08	1,181560E+09	1,304151E+09	1,304136E+09	1,181521E+09	9,683022E+08
-843	7,177223E+08	4,969231E+08	3,689600E+08	3,689601E+08	4,969221E+08	7,177225E+08	9,683040E+08	1,181515E+09	1,304121E+09	1,304131E+09	1,181539E+09	9,683330E+08
-842	7,177629E+08	4,969674E+08	3,689955E+08	3,689912E+08	4,969576E+08	7,177584E+08	9,683306E+08	1,181523E+09	1,304111E+09	1,304118E+09	1,181535E+09	9,683281E+08
-841	7,177402E+08	4,969404E+08	3,689828E+08	3,689886E+08	4,969540E+08	7,177552E+08	9,683361E+08	1,181535E+09	1,304117E+09	1,304107E+09	1,181510E+09	9,683083E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-840	7,177324E+08	4,969413E+08	3,689906E+08	3,689949E+08	4,969527E+08	7,177417E+08	9,683107E+08	1,181508E+09	1,304098E+09	1,304099E+09	1,181518E+09	9,683348E+08
-839	7,177801E+08	4,969881E+08	3,690222E+08	3,690251E+08	4,969920E+08	7,177875E+08	9,683511E+08	1,181528E+09	1,304095E+09	1,304085E+09	1,181496E+09	9,682985E+08
-838	7,177376E+08	4,969643E+08	3,690186E+08	3,690215E+08	4,969712E+08	7,177525E+08	9,683174E+08	1,181507E+09	1,304082E+09	1,304071E+09	1,181485E+09	9,683058E+08
-837	7,177635E+08	4,970018E+08	3,690569E+08	3,690516E+08	4,969906E+08	7,177537E+08	9,682976E+08	1,181476E+09	1,304059E+09	1,304067E+09	1,181502E+09	9,683337E+08
-836	7,177920E+08	4,970204E+08	3,690746E+08	3,690796E+08	4,970270E+08	7,177885E+08	9,683217E+08	1,181488E+09	1,304059E+09	1,304056E+09	1,181473E+09	9,682912E+08
-835	7,177520E+08	4,969985E+08	3,690660E+08	3,690704E+08	4,970101E+08	7,177657E+08	9,682900E+08	1,181445E+09	1,304015E+09	1,304027E+09	1,181473E+09	9,683187E+08
-834	7,177969E+08	4,970464E+08	3,691029E+08	3,690978E+08	4,970353E+08	7,177894E+08	9,683105E+08	1,181454E+09	1,304007E+09	1,304013E+09	1,181467E+09	9,683215E+08
-833	7,177915E+08	4,970304E+08	3,690916E+08	3,690946E+08	4,970330E+08	7,177888E+08	9,683222E+08	1,181481E+09	1,304034E+09	1,304015E+09	1,181439E+09	9,682825E+08
-832	7,177631E+08	4,970154E+08	3,690812E+08	3,690796E+08	4,970104E+08	7,177584E+08	9,682884E+08	1,181460E+09	1,304035E+09	1,304033E+09	1,181463E+09	9,683084E+08
-831	7,177953E+08	4,970451E+08	3,690964E+08	3,690928E+08	4,970364E+08	7,177969E+08	9,683266E+08	1,181484E+09	1,304048E+09	1,304045E+09	1,181472E+09	9,682936E+08
-830	7,177502E+08	4,969960E+08	3,690626E+08	3,690663E+08	4,970066E+08	7,177689E+08	9,683125E+08	1,181488E+09	1,304060E+09	1,304054E+09	1,181473E+09	9,682976E+08
-829	7,177554E+08	4,969938E+08	3,690532E+08	3,690520E+08	4,969929E+08	7,177563E+08	9,682987E+08	1,181475E+09	1,304060E+09	1,304074E+09	1,181511E+09	9,683374E+08
-828	7,177865E+08	4,970024E+08	3,690449E+08	3,690490E+08	4,970067E+08	7,177867E+08	9,683386E+08	1,181513E+09	1,304085E+09	1,304082E+09	1,181499E+09	9,683044E+08
-827	7,177395E+08	4,969612E+08	3,690095E+08	3,690093E+08	4,969628E+08	7,177498E+08	9,683128E+08	1,181499E+09	1,304077E+09	1,304075E+09	1,181498E+09	9,683181E+08
-826	7,177655E+08	4,969895E+08	3,690306E+08	3,690207E+08	4,969673E+08	7,177488E+08	9,683127E+08	1,181501E+09	1,304083E+09	1,304086E+09	1,181512E+09	9,683330E+08
-825	7,177713E+08	4,969789E+08	3,690205E+08	3,690229E+08	4,969769E+08	7,177584E+08	9,683241E+08	1,181520E+09	1,304104E+09	1,304094E+09	1,181494E+09	9,682935E+08
-824	7,177321E+08	4,969532E+08	3,690034E+08	3,690075E+08	4,969605E+08	7,177374E+08	9,682931E+08	1,181487E+09	1,304083E+09	1,304090E+09	1,181508E+09	9,683192E+08
-823	7,177675E+08	4,969927E+08	3,690336E+08	3,690324E+08	4,969927E+08	7,177795E+08	9,683313E+08	1,181499E+09	1,304068E+09	1,304073E+09	1,181505E+09	9,683192E+08
-822	7,177501E+08	4,969685E+08	3,690231E+08	3,690300E+08	4,969846E+08	7,177679E+08	9,683300E+08	1,181509E+09	1,304071E+09	1,304053E+09	1,181470E+09	9,682956E+08
-821	7,177495E+08	4,969801E+08	3,690367E+08	3,690372E+08	4,969802E+08	7,177481E+08	9,682987E+08	1,181480E+09	1,304057E+09	1,304057E+09	1,181488E+09	9,683227E+08
-820	7,177918E+08	4,970250E+08	3,690716E+08	3,690718E+08	4,970205E+08	7,177877E+08	9,683274E+08	1,181494E+09	1,304059E+09	1,304052E+09	1,181472E+09	9,682932E+08
-819	7,177539E+08	4,970022E+08	3,690682E+08	3,690712E+08	4,970108E+08	7,177685E+08	9,682990E+08	1,181462E+09	1,304029E+09	1,304024E+09	1,181453E+09	9,682921E+08
-818	7,177749E+08	4,970393E+08	3,691086E+08	3,691039E+08	4,970311E+08	7,177713E+08	9,682858E+08	1,181436E+09	1,304004E+09	1,304016E+09	1,181467E+09	9,683240E+08
-817	7,178065E+08	4,970550E+08	3,691212E+08	3,691274E+08	4,970629E+08	7,178026E+08	9,683109E+08	1,181451E+09	1,304003E+09	1,303999E+09	1,181437E+09	9,682847E+08
-816	7,177703E+08	4,970341E+08	3,691104E+08	3,691152E+08	4,970437E+08	7,177779E+08	9,682844E+08	1,181429E+09	1,303984E+09	1,303980E+09	1,181430E+09	9,682978E+08
-815	7,178039E+08	4,970766E+08	3,691433E+08	3,691372E+08	4,970647E+08	7,178027E+08	9,683074E+08	1,181439E+09	1,303982E+09	1,303979E+09	1,181435E+09	9,683037E+08
-814	7,177950E+08	4,970573E+08	3,691330E+08	3,691360E+08	4,970607E+08	7,177942E+08	9,683075E+08	1,181453E+09	1,304000E+09	1,303981E+09	1,181411E+09	9,682676E+08
-813	7,177690E+08	4,970430E+08	3,691207E+08	3,691198E+08	4,970403E+08	7,177668E+08	9,682730E+08	1,181426E+09	1,303998E+09	1,304009E+09	1,181454E+09	9,683038E+08
-812	7,177991E+08	4,970666E+08	3,691311E+08	3,691295E+08	4,970646E+08	7,178068E+08	9,683127E+08	1,181451E+09	1,304010E+09	1,304018E+09	1,181462E+09	9,683003E+08
-811	7,177663E+08	4,970207E+08	3,690933E+08	3,690974E+08	4,970346E+08	7,177871E+08	9,683085E+08	1,181457E+09	1,304012E+09	1,304006E+09	1,181442E+09	9,682901E+08
-810	7,177697E+08	4,970238E+08	3,690892E+08	3,690852E+08	4,970163E+08	7,177653E+08	9,682936E+08	1,181455E+09	1,304022E+09	1,304028E+09	1,181473E+09	9,683263E+08
-809	7,178024E+08	4,970348E+08	3,690835E+08	3,690838E+08	4,970273E+08	7,177863E+08	9,683206E+08	1,181485E+09	1,304049E+09	1,304040E+09	1,181465E+09	9,682929E+08
-808	7,177533E+08	4,969940E+08	3,690517E+08	3,690505E+08	4,969902E+08	7,177517E+08	9,682961E+08	1,181478E+09	1,304051E+09	1,304042E+09	1,181465E+09	9,682970E+08
-807	7,177667E+08	4,970152E+08	3,690703E+08	3,690632E+08	4,970022E+08	7,177642E+08	9,683029E+08	1,181473E+09	1,304048E+09	1,304054E+09	1,181490E+09	9,683221E+08
-806	7,177739E+08	4,970021E+08	3,690600E+08	3,690655E+08	4,970114E+08	7,177745E+08	9,683149E+08	1,181485E+09	1,304053E+09	1,304046E+09	1,181464E+09	9,682844E+08
-805	7,177427E+08	4,969815E+08	3,690425E+08	3,690476E+08	4,969927E+08	7,177543E+08	9,682909E+08	1,181461E+09	1,304038E+09	1,304048E+09	1,181483E+09	9,683118E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-804	7,177778E+08	4,970216E+08	3,690732E+08	3,690713E+08	4,970207E+08	7,177893E+08	9,683235E+08	1,181479E+09	1,304038E+09	1,304037E+09	1,181476E+09	9,683136E+08
-803	7,177683E+08	4,970046E+08	3,690658E+08	3,690695E+08	4,970147E+08	7,177811E+08	9,683196E+08	1,181481E+09	1,304032E+09	1,304010E+09	1,181431E+09	9,682764E+08
-802	7,177610E+08	4,970195E+08	3,690890E+08	3,690866E+08	4,970130E+08	7,177544E+08	9,682813E+08	1,181448E+09	1,304018E+09	1,304018E+09	1,181455E+09	9,683102E+08
-801	7,178050E+08	4,970613E+08	3,691228E+08	3,691237E+08	4,970570E+08	7,177931E+08	9,682996E+08	1,181445E+09	1,304006E+09	1,304008E+09	1,181447E+09	9,682902E+08
-800	7,177709E+08	4,970386E+08	3,691183E+08	3,691235E+08	4,970511E+08	7,177823E+08	9,682843E+08	1,181426E+09	1,303979E+09	1,303975E+09	1,181419E+09	9,682813E+08
-799	7,177862E+08	4,970708E+08	3,691529E+08	3,691500E+08	4,970690E+08	7,177919E+08	9,682820E+08	1,181405E+09	1,303953E+09	1,303964E+09	1,181433E+09	9,683140E+08
-798	7,178186E+08	4,970872E+08	3,691656E+08	3,691706E+08	4,970941E+08	7,178143E+08	9,683015E+08	1,181420E+09	1,303953E+09	1,303941E+09	1,181392E+09	9,682678E+08
-797	7,177846E+08	4,970714E+08	3,691565E+08	3,691577E+08	4,970731E+08	7,177873E+08	9,682740E+08	1,181401E+09	1,303946E+09	1,303944E+09	1,181399E+09	9,682801E+08
-796	7,178089E+08	4,971061E+08	3,691867E+08	3,691798E+08	4,970938E+08	7,178085E+08	9,682913E+08	1,181412E+09	1,303954E+09	1,303954E+09	1,181413E+09	9,682943E+08
-795	7,178045E+08	4,970852E+08	3,691716E+08	3,691764E+08	4,970965E+08	7,178136E+08	9,682979E+08	1,181420E+09	1,303959E+09	1,303945E+09	1,181386E+09	9,682558E+08
-794	7,177757E+08	4,970698E+08	3,691597E+08	3,691596E+08	4,970722E+08	7,177836E+08	9,682700E+08	1,181402E+09	1,303959E+09	1,303970E+09	1,181428E+09	9,683003E+08
-793	7,178119E+08	4,970899E+08	3,691642E+08	3,691632E+08	4,970893E+08	7,178153E+08	9,683043E+08	1,181427E+09	1,303972E+09	1,303978E+09	1,181437E+09	9,683006E+08
-792	7,177857E+08	4,970502E+08	3,691281E+08	3,691303E+08	4,970567E+08	7,177921E+08	9,683024E+08	1,181446E+09	1,303990E+09	1,303972E+09	1,181409E+09	9,682750E+08
-791	7,177781E+08	4,970507E+08	3,691240E+08	3,691173E+08	4,970376E+08	7,177707E+08	9,682832E+08	1,181434E+09	1,303997E+09	1,304000E+09	1,181447E+09	9,683114E+08
-790	7,178065E+08	4,970607E+08	3,691230E+08	3,691217E+08	4,970513E+08	7,177868E+08	9,682985E+08	1,181449E+09	1,304009E+09	1,304004E+09	1,181437E+09	9,682793E+08
-789	7,177615E+08	4,970229E+08	3,690926E+08	3,690922E+08	4,970226E+08	7,177619E+08	9,682774E+08	1,181435E+09	1,304006E+09	1,304010E+09	1,181447E+09	9,682884E+08
-788	7,177714E+08	4,970381E+08	3,691074E+08	3,691028E+08	4,970342E+08	7,177786E+08	9,682921E+08	1,181438E+09	1,304003E+09	1,304014E+09	1,181466E+09	9,683203E+08
-787	7,177901E+08	4,970307E+08	3,690963E+08	3,691030E+08	4,970457E+08	7,177971E+08	9,683133E+08	1,181455E+09	1,304001E+09	1,303990E+09	1,181422E+09	9,682705E+08
-786	7,177571E+08	4,970168E+08	3,690873E+08	3,690891E+08	4,970217E+08	7,177658E+08	9,682861E+08	1,181440E+09	1,304000E+09	1,303998E+09	1,181440E+09	9,682969E+08
-785	7,177928E+08	4,970569E+08	3,691203E+08	3,691152E+08	4,970481E+08	7,177919E+08	9,683043E+08	1,181447E+09	1,304000E+09	1,303997E+09	1,181443E+09	9,683015E+08
-784	7,177840E+08	4,970434E+08	3,691177E+08	3,691204E+08	4,970491E+08	7,177863E+08	9,683012E+08	1,181453E+09	1,303999E+09	1,303976E+09	1,181399E+09	9,682576E+08
-783	7,177666E+08	4,970516E+08	3,691377E+08	3,691377E+08	4,970543E+08	7,177724E+08	9,682675E+08	1,181409E+09	1,303973E+09	1,303981E+09	1,181432E+09	9,683020E+08
-782	7,178135E+08	4,970919E+08	3,691707E+08	3,691732E+08	4,970955E+08	7,178098E+08	9,682870E+08	1,181403E+09	1,303947E+09	1,303953E+09	1,181413E+09	9,682837E+08
-781	7,177885E+08	4,970740E+08	3,691647E+08	3,691705E+08	4,970883E+08	7,178004E+08	9,682781E+08	1,181392E+09	1,303927E+09	1,303926E+09	1,181387E+09	9,682713E+08
-780	7,178000E+08	4,971039E+08	3,691965E+08	3,691926E+08	4,971004E+08	7,178049E+08	9,682752E+08	1,181382E+09	1,303916E+09	1,303921E+09	1,181397E+09	9,683032E+08
-779	7,178358E+08	4,971235E+08	3,692094E+08	3,692120E+08	4,971264E+08	7,178298E+08	9,682934E+08	1,181392E+09	1,303912E+09	1,303897E+09	1,181352E+09	9,682457E+08
-778	7,177918E+08	4,971060E+08	3,692051E+08	3,692043E+08	4,971052E+08	7,177967E+08	9,682625E+08	1,181376E+09	1,303914E+09	1,303909E+09	1,181370E+09	9,682673E+08
-777	7,178164E+08	4,971324E+08	3,692282E+08	3,692233E+08	4,971262E+08	7,178175E+08	9,682728E+08	1,181376E+09	1,303915E+09	1,303923E+09	1,181395E+09	9,682919E+08
-776	7,178182E+08	4,971125E+08	3,692094E+08	3,692154E+08	4,971258E+08	7,178252E+08	9,682914E+08	1,181398E+09	1,303923E+09	1,303909E+09	1,181360E+09	9,682472E+08
-775	7,177851E+08	4,970934E+08	3,691922E+08	3,691927E+08	4,970980E+08	7,177970E+08	9,682673E+08	1,181381E+09	1,303924E+09	1,303932E+09	1,181403E+09	9,682940E+08
-774	7,178238E+08	4,971170E+08	3,691991E+08	3,691943E+08	4,971071E+08	7,178154E+08	9,682883E+08	1,181398E+09	1,303931E+09	1,303932E+09	1,181402E+09	9,682881E+08
-773	7,177999E+08	4,970822E+08	3,691674E+08	3,691656E+08	4,970780E+08	7,177928E+08	9,682828E+08	1,181411E+09	1,303954E+09	1,303943E+09	1,181386E+09	9,682600E+08
-772	7,177837E+08	4,970770E+08	3,691631E+08	3,691563E+08	4,970646E+08	7,177756E+08	9,682638E+08	1,181400E+09	1,303962E+09	1,303972E+09	1,181426E+09	9,683026E+08
-771	7,178160E+08	4,970873E+08	3,691595E+08	3,691607E+08	4,970871E+08	7,178070E+08	9,682878E+08	1,181410E+09	1,303959E+09	1,303960E+09	1,181406E+09	9,682651E+08
-770	7,177681E+08	4,970502E+08	3,691333E+08	3,691340E+08	4,970569E+08	7,177828E+08	9,682782E+08	1,181412E+09	1,303963E+09	1,303963E+09	1,181413E+09	9,682801E+08
-769	7,177832E+08	4,970621E+08	3,691437E+08	3,691412E+08	4,970639E+08	7,177919E+08	9,682872E+08	1,181416E+09	1,303965E+09	1,303971E+09	1,181433E+09	9,683114E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-768	7,178068E+08	4,970632E+08	3,691369E+08	3,691421E+08	4,970725E+08	7,178070E+08	9,683117E+08	1,181445E+09	1,303977E+09	1,303953E+09	1,181385E+09	9,682505E+08
-767	7,177643E+08	4,970474E+08	3,691306E+08	3,691310E+08	4,970504E+08	7,177753E+08	9,682769E+08	1,181418E+09	1,303972E+09	1,303970E+09	1,181414E+09	9,682823E+08
-766	7,177992E+08	4,970880E+08	3,691677E+08	3,691616E+08	4,970781E+08	7,177946E+08	9,682798E+08	1,181405E+09	1,303954E+09	1,303958E+09	1,181418E+09	9,682924E+08
-765	7,177979E+08	4,970785E+08	3,691668E+08	3,691708E+08	4,970878E+08	7,177994E+08	9,682791E+08	1,181400E+09	1,303945E+09	1,303939E+09	1,181382E+09	9,682537E+08
-764	7,177799E+08	4,970837E+08	3,691835E+08	3,691849E+08	4,970914E+08	7,177893E+08	9,682551E+08	1,181367E+09	1,303915E+09	1,303931E+09	1,181403E+09	9,683007E+08
-763	7,178359E+08	4,971289E+08	3,692148E+08	3,692175E+08	4,971333E+08	7,178311E+08	9,682810E+08	1,181367E+09	1,303886E+09	1,303887E+09	1,181365E+09	9,682670E+08
-762	7,178064E+08	4,971161E+08	3,692168E+08	3,692184E+08	4,971214E+08	7,178136E+08	9,682723E+08	1,181368E+09	1,303884E+09	1,303868E+09	1,181337E+09	9,682526E+08
-761	7,178136E+08	4,971393E+08	3,692453E+08	3,692397E+08	4,971311E+08	7,178105E+08	9,682586E+08	1,181353E+09	1,303880E+09	1,303881E+09	1,181361E+09	9,682850E+08
-760	7,178472E+08	4,971595E+08	3,692588E+08	3,692612E+08	4,971605E+08	7,178397E+08	9,682836E+08	1,181371E+09	1,303882E+09	1,303865E+09	1,181323E+09	9,682265E+08
-759	7,177937E+08	4,971321E+08	3,692471E+08	3,692488E+08	4,971407E+08	7,178144E+08	9,682558E+08	1,181348E+09	1,303878E+09	1,303881E+09	1,181353E+09	9,682593E+08
-758	7,178206E+08	4,971551E+08	3,692653E+08	3,692613E+08	4,971538E+08	7,178283E+08	9,682631E+08	1,181344E+09	1,303870E+09	1,303881E+09	1,181371E+09	9,682885E+08
-757	7,178342E+08	4,971411E+08	3,692453E+08	3,692509E+08	4,971519E+08	7,178345E+08	9,682803E+08	1,181368E+09	1,303886E+09	1,303879E+09	1,181341E+09	9,682411E+08
-756	7,177980E+08	4,971204E+08	3,692258E+08	3,692239E+08	4,971184E+08	7,178012E+08	9,682544E+08	1,181356E+09	1,303893E+09	1,303901E+09	1,181378E+09	9,682870E+08
-755	7,178396E+08	4,971477E+08	3,692350E+08	3,692284E+08	4,971319E+08	7,178221E+08	9,682721E+08	1,181364E+09	1,303889E+09	1,303892E+09	1,181369E+09	9,682709E+08
-754	7,178075E+08	4,971132E+08	3,692108E+08	3,692082E+08	4,971075E+08	7,178001E+08	9,682670E+08	1,181379E+09	1,303913E+09	1,303902E+09	1,181356E+09	9,682496E+08
-753	7,177907E+08	4,970998E+08	3,692004E+08	3,691973E+08	4,970972E+08	7,177884E+08	9,682496E+08	1,181363E+09	1,303915E+09	1,303932E+09	1,181402E+09	9,682953E+08
-752	7,178276E+08	4,971140E+08	3,691968E+08	3,691997E+08	4,971179E+08	7,178254E+08	9,682916E+08	1,181392E+09	1,303917E+09	1,303915E+09	1,181372E+09	9,682501E+08
-751	7,177748E+08	4,970743E+08	3,691679E+08	3,691702E+08	4,970858E+08	7,178009E+08	9,682827E+08	1,181398E+09	1,303930E+09	1,303922E+09	1,181381E+09	9,682657E+08
-750	7,177912E+08	4,970900E+08	3,691819E+08	3,691768E+08	4,970860E+08	7,177964E+08	9,682760E+08	1,181393E+09	1,303931E+09	1,303930E+09	1,181398E+09	9,682959E+08
-749	7,178200E+08	4,970977E+08	3,691815E+08	3,691846E+08	4,971000E+08	7,178105E+08	9,682914E+08	1,181410E+09	1,303945E+09	1,303930E+09	1,181365E+09	9,682374E+08
-748	7,177728E+08	4,970788E+08	3,691759E+08	3,691772E+08	4,970834E+08	7,177831E+08	9,682566E+08	1,181380E+09	1,303932E+09	1,303939E+09	1,181397E+09	9,682791E+08
-747	7,178158E+08	4,971227E+08	3,692127E+08	3,692090E+08	4,971179E+08	7,178128E+08	9,682642E+08	1,181359E+09	1,303893E+09	1,303906E+09	1,181387E+09	9,682839E+08
-746	7,178133E+08	4,971160E+08	3,692176E+08	3,692219E+08	4,971267E+08	7,178187E+08	9,682740E+08	1,181368E+09	1,303889E+09	1,303879E+09	1,181343E+09	9,682478E+08
-745	7,177991E+08	4,971187E+08	3,692302E+08	3,692324E+08	4,971269E+08	7,178042E+08	9,682471E+08	1,181337E+09	1,303868E+09	1,303877E+09	1,181362E+09	9,682874E+08
-744	7,178551E+08	4,971697E+08	3,692642E+08	3,692635E+08	4,971639E+08	7,178434E+08	9,682790E+08	1,181351E+09	1,303851E+09	1,303840E+09	1,181319E+09	9,682403E+08
-743	7,178119E+08	4,971501E+08	3,692655E+08	3,692668E+08	4,971552E+08	7,178262E+08	9,682650E+08	1,181346E+09	1,303854E+09	1,303836E+09	1,181307E+09	9,682320E+08
-742	7,178157E+08	4,971685E+08	3,692915E+08	3,692870E+08	4,971637E+08	7,178163E+08	9,682373E+08	1,181315E+09	1,303838E+09	1,303845E+09	1,181337E+09	9,682731E+08
-741	7,178550E+08	4,971885E+08	3,693018E+08	3,693069E+08	4,971962E+08	7,178529E+08	9,682651E+08	1,181327E+09	1,303838E+09	1,303838E+09	1,181311E+09	9,682243E+08
-740	7,178044E+08	4,971576E+08	3,692839E+08	3,692873E+08	4,971704E+08	7,178280E+08	9,682473E+08	1,181315E+09	1,303833E+09	1,303842E+09	1,181334E+09	9,682625E+08
-739	7,178415E+08	4,971858E+08	3,692993E+08	3,692948E+08	4,971796E+08	7,178385E+08	9,682527E+08	1,181312E+09	1,303819E+09	1,303828E+09	1,181335E+09	9,682776E+08
-738	7,178507E+08	4,971774E+08	3,692877E+08	3,692886E+08	4,971750E+08	7,178389E+08	9,682683E+08	1,181342E+09	1,303847E+09	1,303830E+09	1,181302E+09	9,682292E+08
-737	7,178108E+08	4,971506E+08	3,692661E+08	3,692632E+08	4,971437E+08	7,178033E+08	9,682344E+08	1,181323E+09	1,303855E+09	1,303864E+09	1,181347E+09	9,682714E+08
-736	7,178488E+08	4,971778E+08	3,692759E+08	3,692699E+08	4,971618E+08	7,178333E+08	9,682652E+08	1,181340E+09	1,303853E+09	1,303855E+09	1,181339E+09	9,682511E+08
-735	7,178065E+08	4,971344E+08	3,692467E+08	3,692489E+08	4,971426E+08	7,178223E+08	9,682692E+08	1,181358E+09	1,303877E+09	1,303867E+09	1,181333E+09	9,682373E+08
-734	7,177920E+08	4,971189E+08	3,692324E+08	3,692321E+08	4,971246E+08	7,178029E+08	9,682486E+08	1,181343E+09	1,303877E+09	1,303889E+09	1,181372E+09	9,682849E+08
-733	7,178378E+08	4,971399E+08	3,692306E+08	3,692344E+08	4,971444E+08	7,178376E+08	9,682867E+08	1,181372E+09	1,303891E+09	1,303889E+09	1,181351E+09	9,682404E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-732	7,177854E+08	4,971019E+08	3,692030E+08	3,692034E+08	4,971073E+08	7,178062E+08	9,682739E+08	1,181379E+09	1,303907E+09	1,303898E+09	1,181360E+09	9,682585E+08
-731	7,178059E+08	4,971227E+08	3,692215E+08	3,692155E+08	4,971122E+08	7,177994E+08	9,682560E+08	1,181358E+09	1,303891E+09	1,303894E+09	1,181371E+09	9,682838E+08
-730	7,178320E+08	4,971350E+08	3,692313E+08	3,692336E+08	4,971336E+08	7,178169E+08	9,682692E+08	1,181369E+09	1,303897E+09	1,303886E+09	1,181340E+09	9,682351E+08
-729	7,177879E+08	4,971111E+08	3,692221E+08	3,692263E+08	4,971210E+08	7,177956E+08	9,682362E+08	1,181331E+09	1,303872E+09	1,303888E+09	1,181368E+09	9,682759E+08
-728	7,178366E+08	4,971615E+08	3,692615E+08	3,692579E+08	4,971538E+08	7,178309E+08	9,682627E+08	1,181329E+09	1,303835E+09	1,303845E+09	1,181344E+09	9,682685E+08
-727	7,178266E+08	4,971523E+08	3,692658E+08	3,692706E+08	4,971634E+08	7,178369E+08	9,682721E+08	1,181343E+09	1,303841E+09	1,303821E+09	1,181297E+09	9,682261E+08
-726	7,178081E+08	4,971552E+08	3,692793E+08	3,692789E+08	4,971573E+08	7,178117E+08	9,682337E+08	1,181308E+09	1,303824E+09	1,303826E+09	1,181317E+09	9,682633E+08
-725	7,178634E+08	4,972071E+08	3,693158E+08	3,693149E+08	4,972002E+08	7,178530E+08	9,682599E+08	1,181314E+09	1,303816E+09	1,303813E+09	1,181294E+09	9,682225E+08
-724	7,178165E+08	4,971802E+08	3,693110E+08	3,693147E+08	4,971920E+08	7,178397E+08	9,682512E+08	1,181313E+09	1,303817E+09	1,303807E+09	1,181290E+09	9,682274E+08
-723	7,178278E+08	4,971977E+08	3,693314E+08	3,693309E+08	4,972011E+08	7,178344E+08	9,682274E+08	1,181278E+09	1,303787E+09	1,303801E+09	1,181312E+09	9,682684E+08
-722	7,178690E+08	4,972211E+08	3,693448E+08	3,693501E+08	4,972284E+08	7,178672E+08	9,682601E+08	1,181300E+09	1,303791E+09	1,303786E+09	1,181282E+09	9,682255E+08
-721	7,178232E+08	4,971879E+08	3,693216E+08	3,693247E+08	4,971969E+08	7,178359E+08	9,682363E+08	1,181289E+09	1,303793E+09	1,303798E+09	1,181302E+09	9,682551E+08
-720	7,178604E+08	4,972220E+08	3,693408E+08	3,693314E+08	4,972011E+08	7,178440E+08	9,682477E+08	1,181294E+09	1,303786E+09	1,303788E+09	1,181298E+09	9,682564E+08
-719	7,178548E+08	4,972060E+08	3,693285E+08	3,693293E+08	4,972029E+08	7,178467E+08	9,682578E+08	1,181318E+09	1,303816E+09	1,303799E+09	1,181275E+09	9,682100E+08
-718	7,178106E+08	4,971744E+08	3,693034E+08	3,693023E+08	4,971726E+08	7,178106E+08	9,682170E+08	1,181289E+09	1,303815E+09	1,303828E+09	1,181321E+09	9,682584E+08
-717	7,178525E+08	4,972009E+08	3,693109E+08	3,693084E+08	4,971943E+08	7,178492E+08	9,682542E+08	1,181306E+09	1,303816E+09	1,303828E+09	1,181321E+09	9,682443E+08
-716	7,178133E+08	4,971551E+08	3,692766E+08	3,692811E+08	4,971692E+08	7,178375E+08	9,682700E+08	1,181340E+09	1,303843E+09	1,303831E+09	1,181311E+09	9,682356E+08
-715	7,178081E+08	4,971457E+08	3,692624E+08	3,692628E+08	4,971481E+08	7,178113E+08	9,682420E+08	1,181321E+09	1,303840E+09	1,303845E+09	1,181338E+09	9,682731E+08
-714	7,178502E+08	4,971737E+08	3,692723E+08	3,692721E+08	4,971667E+08	7,178396E+08	9,682736E+08	1,181350E+09	1,303859E+09	1,303848E+09	1,181321E+09	9,682335E+08
-713	7,177987E+08	4,971341E+08	3,692465E+08	3,692463E+08	4,971351E+08	7,178075E+08	9,682502E+08	1,181342E+09	1,303868E+09	1,303865E+09	1,181337E+09	9,682501E+08
-712	7,178202E+08	4,971595E+08	3,692692E+08	3,692619E+08	4,971442E+08	7,178092E+08	9,682426E+08	1,181322E+09	1,303842E+09	1,303851E+09	1,181342E+09	9,682701E+08
-711	7,178383E+08	4,971658E+08	3,692775E+08	3,692830E+08	4,971738E+08	7,178378E+08	9,682636E+08	1,181335E+09	1,303846E+09	1,303837E+09	1,181309E+09	9,682241E+08
-710	7,177977E+08	4,971428E+08	3,692667E+08	3,692727E+08	4,971569E+08	7,178113E+08	9,682281E+08	1,181299E+09	1,303818E+09	1,303828E+09	1,181325E+09	9,682613E+08
-709	7,178504E+08	4,971970E+08	3,693073E+08	3,693044E+08	4,971899E+08	7,178463E+08	9,682528E+08	1,181299E+09	1,303797E+09	1,303802E+09	1,181306E+09	9,682511E+08
-708	7,178369E+08	4,971865E+08	3,693115E+08	3,693155E+08	4,971957E+08	7,178492E+08	9,682655E+08	1,181321E+09	1,303808E+09	1,303785E+09	1,181266E+09	9,682123E+08
-707	7,178198E+08	4,971898E+08	3,693251E+08	3,693262E+08	4,971918E+08	7,178200E+08	9,682163E+08	1,181273E+09	1,303781E+09	1,303785E+09	1,181287E+09	9,682478E+08
-706	7,178703E+08	4,972420E+08	3,693664E+08	3,693665E+08	4,972384E+08	7,178652E+08	9,682434E+08	1,181276E+09	1,303769E+09	1,303769E+09	1,181271E+09	9,682224E+08
-705	7,178305E+08	4,972109E+08	3,693551E+08	3,693612E+08	4,972282E+08	7,178537E+08	9,682360E+08	1,181272E+09	1,303765E+09	1,303763E+09	1,181266E+09	9,682275E+08
-704	7,178488E+08	4,972340E+08	3,693748E+08	3,693719E+08	4,972297E+08	7,178481E+08	9,682265E+08	1,181253E+09	1,303738E+09	1,303747E+09	1,181274E+09	9,682566E+08
-703	7,178827E+08	4,972547E+08	3,693872E+08	3,693908E+08	4,972572E+08	7,178783E+08	9,682546E+08	1,181279E+09	1,303754E+09	1,303739E+09	1,181243E+09	9,682085E+08
-702	7,178335E+08	4,972214E+08	3,693640E+08	3,693634E+08	4,972206E+08	7,178371E+08	9,682182E+08	1,181259E+09	1,303754E+09	1,303753E+09	1,181263E+09	9,682352E+08
-701	7,178675E+08	4,972534E+08	3,693839E+08	3,693747E+08	4,972320E+08	7,178500E+08	9,682256E+08	1,181258E+09	1,303754E+09	1,303763E+09	1,181275E+09	9,682414E+08
-700	7,178574E+08	4,972294E+08	3,693651E+08	3,693686E+08	4,972352E+08	7,178610E+08	9,682486E+08	1,181290E+09	1,303782E+09	1,303771E+09	1,181258E+09	9,682047E+08
-699	7,178178E+08	4,971960E+08	3,693346E+08	3,693380E+08	4,972043E+08	7,178274E+08	9,682130E+08	1,181262E+09	1,303773E+09	1,303788E+09	1,181296E+09	9,682508E+08
-698	7,178603E+08	4,972262E+08	3,693463E+08	3,693443E+08	4,972224E+08	7,178635E+08	9,682540E+08	1,181290E+09	1,303781E+09	1,303784E+09	1,181294E+09	9,682434E+08
-697	7,178280E+08	4,971813E+08	3,693092E+08	3,693127E+08	4,971917E+08	7,178439E+08	9,682605E+08	1,181321E+09	1,303816E+09	1,303799E+09	1,181284E+09	9,682279E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-696	7,178242E+08	4,971797E+08	3,693022E+08	3,692971E+08	4,971676E+08	7,178150E+08	9,682357E+08	1,181303E+09	1,303810E+09	1,303811E+09	1,181308E+09	9,682568E+08
-695	7,178558E+08	4,972034E+08	3,693156E+08	3,693153E+08	4,971960E+08	7,178443E+08	9,682561E+08	1,181319E+09	1,303823E+09	1,303815E+09	1,181296E+09	9,682203E+08
-694	7,178038E+08	4,971628E+08	3,692892E+08	3,692907E+08	4,971681E+08	7,178149E+08	9,682263E+08	1,181296E+09	1,303815E+09	1,303819E+09	1,181309E+09	9,682420E+08
-693	7,178312E+08	4,971908E+08	3,693136E+08	3,693093E+08	4,971833E+08	7,178263E+08	9,682257E+08	1,181276E+09	1,303790E+09	1,303808E+09	1,181315E+09	9,682639E+08
-692	7,178519E+08	4,971965E+08	3,693185E+08	3,693253E+08	4,972080E+08	7,178557E+08	9,682606E+08	1,181308E+09	1,303796E+09	1,303784E+09	1,181273E+09	9,682161E+08
-691	7,178159E+08	4,971786E+08	3,693096E+08	3,693157E+08	4,971896E+08	7,178235E+08	9,682197E+08	1,181271E+09	1,303771E+09	1,303771E+09	1,181277E+09	9,682407E+08
-690	7,178616E+08	4,972366E+08	3,693595E+08	3,693537E+08	4,972230E+08	7,178551E+08	9,682404E+08	1,181273E+09	1,303757E+09	1,303752E+09	1,181266E+09	9,682366E+08
-689	7,178478E+08	4,972218E+08	3,693614E+08	3,693661E+08	4,972323E+08	7,178582E+08	9,682466E+08	1,181286E+09	1,303769E+09	1,303749E+09	1,181239E+09	9,682007E+08
-688	7,178323E+08	4,972271E+08	3,693753E+08	3,693754E+08	4,972283E+08	7,178373E+08	9,682111E+08	1,181242E+09	1,303735E+09	1,303742E+09	1,181259E+09	9,682362E+08
-687	7,178771E+08	4,972718E+08	3,694127E+08	3,694154E+08	4,972774E+08	7,178855E+08	9,682406E+08	1,181249E+09	1,303725E+09	1,303725E+09	1,181243E+09	9,682147E+08
-686	7,178436E+08	4,972430E+08	3,693977E+08	3,694036E+08	4,972593E+08	7,178647E+08	9,682256E+08	1,181242E+09	1,303720E+09	1,303714E+09	1,181231E+09	9,682186E+08
-685	7,178656E+08	4,972696E+08	3,694182E+08	3,694133E+08	4,972592E+08	7,178558E+08	9,682088E+08	1,181222E+09	1,303707E+09	1,303716E+09	1,181244E+09	9,682431E+08
-684	7,178937E+08	4,972863E+08	3,694282E+08	3,694291E+08	4,972827E+08	7,178840E+08	9,682418E+08	1,181254E+09	1,303724E+09	1,303709E+09	1,181218E+09	9,681974E+08
-683	7,178440E+08	4,972508E+08	3,694037E+08	3,694048E+08	4,972508E+08	7,178419E+08	9,681978E+08	1,181223E+09	1,303713E+09	1,303716E+09	1,181235E+09	9,682212E+08
-682	7,178717E+08	4,972799E+08	3,694246E+08	3,694173E+08	4,972659E+08	7,178632E+08	9,682125E+08	1,181224E+09	1,303709E+09	1,303720E+09	1,181252E+09	9,682407E+08
-681	7,178678E+08	4,972524E+08	3,693993E+08	3,694056E+08	4,972664E+08	7,178771E+08	9,682419E+08	1,181260E+09	1,303739E+09	1,303731E+09	1,181235E+09	9,682029E+08
-680	7,178344E+08	4,972252E+08	3,693692E+08	3,693692E+08	4,972264E+08	7,178413E+08	9,682180E+08	1,181246E+09	1,303734E+09	1,303741E+09	1,181261E+09	9,682365E+08
-679	7,178676E+08	4,972520E+08	3,693820E+08	3,693783E+08	4,972461E+08	7,178723E+08	9,682500E+08	1,181275E+09	1,303754E+09	1,303748E+09	1,181259E+09	9,682260E+08
-678	7,178360E+08	4,972111E+08	3,693479E+08	3,693482E+08	4,972133E+08	7,178434E+08	9,682400E+08	1,181291E+09	1,303784E+09	1,303765E+09	1,181253E+09	9,682120E+08
-677	7,178318E+08	4,972094E+08	3,693441E+08	3,693395E+08	4,971982E+08	7,178190E+08	9,682082E+08	1,181263E+09	1,303778E+09	1,303788E+09	1,181288E+09	9,682466E+08
-676	7,178624E+08	4,972292E+08	3,693544E+08	3,693562E+08	4,972292E+08	7,178586E+08	9,682445E+08	1,181285E+09	1,303780E+09	1,303780E+09	1,181277E+09	9,682187E+08
-675	7,178176E+08	4,971903E+08	3,693280E+08	3,693331E+08	4,972033E+08	7,178308E+08	9,682176E+08	1,181260E+09	1,303760E+09	1,303765E+09	1,181273E+09	9,682329E+08
-674	7,178449E+08	4,972239E+08	3,693580E+08	3,693538E+08	4,972180E+08	7,178434E+08	9,682224E+08	1,181251E+09	1,303741E+09	1,303748E+09	1,181275E+09	9,682567E+08
-673	7,178693E+08	4,972318E+08	3,693631E+08	3,693682E+08	4,972398E+08	7,178680E+08	9,682515E+08	1,181282E+09	1,303759E+09	1,303740E+09	1,181235E+09	9,682005E+08
-672	7,178315E+08	4,972193E+08	3,693605E+08	3,693608E+08	4,972185E+08	7,178342E+08	9,682150E+08	1,181248E+09	1,303735E+09	1,303730E+09	1,181239E+09	9,682171E+08
-671	7,178642E+08	4,972687E+08	3,694109E+08	3,694065E+08	4,972620E+08	7,178676E+08	9,682263E+08	1,181243E+09	1,303722E+09	1,303718E+09	1,181237E+09	9,682198E+08
-670	7,178545E+08	4,972542E+08	3,694093E+08	3,694159E+08	4,972704E+08	7,178704E+08	9,682261E+08	1,181242E+09	1,303720E+09	1,303707E+09	1,181212E+09	9,681942E+08
-669	7,178463E+08	4,972609E+08	3,694225E+08	3,694243E+08	4,972671E+08	7,178527E+08	9,681943E+08	1,181201E+09	1,303689E+09	1,303703E+09	1,181234E+09	9,682337E+08
-668	7,178947E+08	4,973048E+08	3,694551E+08	3,694569E+08	4,973080E+08	7,178983E+08	9,682338E+08	1,181222E+09	1,303680E+09	1,303678E+09	1,181212E+09	9,682107E+08
-667	7,178643E+08	4,972792E+08	3,694416E+08	3,694458E+08	4,972878E+08	7,178700E+08	9,682089E+08	1,181209E+09	1,303674E+09	1,303664E+09	1,181191E+09	9,682027E+08
-666	7,178790E+08	4,973078E+08	3,694680E+08	3,694600E+08	4,972905E+08	7,178624E+08	9,681909E+08	1,181188E+09	1,303662E+09	1,303669E+09	1,181211E+09	9,682321E+08
-665	7,179044E+08	4,973176E+08	3,694720E+08	3,694734E+08	4,973162E+08	7,178936E+08	9,682223E+08	1,181216E+09	1,303681E+09	1,303674E+09	1,181192E+09	9,681861E+08
-664	7,178536E+08	4,972810E+08	3,694454E+08	3,694452E+08	4,972832E+08	7,178627E+08	9,681988E+08	1,181196E+09	1,303669E+09	1,303673E+09	1,181205E+09	9,682068E+08
-663	7,178734E+08	4,973004E+08	3,694607E+08	3,694571E+08	4,972995E+08	7,178841E+08	9,682169E+08	1,181208E+09	1,303675E+09	1,303679E+09	1,181220E+09	9,682267E+08
-662	7,178754E+08	4,972755E+08	3,694308E+08	3,694372E+08	4,972903E+08	7,178872E+08	9,682373E+08	1,181242E+09	1,303708E+09	1,303693E+09	1,181203E+09	9,681914E+08
-661	7,178456E+08	4,972524E+08	3,694039E+08	3,694016E+08	4,972487E+08	7,178466E+08	9,682045E+08	1,181226E+09	1,303717E+09	1,303721E+09	1,181238E+09	9,682247E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-660	7,178757E+08	4,972769E+08	3,694161E+08	3,694097E+08	4,972650E+08	7,178736E+08	9,682362E+08	1,181253E+09	1,303731E+09	1,303727E+09	1,181243E+09	9,682192E+08
-659	7,178465E+08	4,972368E+08	3,693850E+08	3,693868E+08	4,972399E+08	7,178445E+08	9,682146E+08	1,181250E+09	1,303740E+09	1,303731E+09	1,181231E+09	9,682041E+08
-658	7,178414E+08	4,972382E+08	3,693862E+08	3,693831E+08	4,972324E+08	7,178318E+08	9,681902E+08	1,181218E+09	1,303722E+09	1,303739E+09	1,181264E+09	9,682476E+08
-657	7,178785E+08	4,972582E+08	3,693940E+08	3,693969E+08	4,972620E+08	7,178740E+08	9,682341E+08	1,181247E+09	1,303727E+09	1,303729E+09	1,181245E+09	9,682134E+08
-656	7,178384E+08	4,972278E+08	3,693724E+08	3,693732E+08	4,972326E+08	7,178488E+08	9,682210E+08	1,181238E+09	1,303711E+09	1,303705E+09	1,181225E+09	9,682117E+08
-655	7,178537E+08	4,972573E+08	3,694056E+08	3,694001E+08	4,972513E+08	7,178573E+08	9,682185E+08	1,181233E+09	1,303707E+09	1,303702E+09	1,181227E+09	9,682289E+08
-654	7,178768E+08	4,972676E+08	3,694125E+08	3,694160E+08	4,972724E+08	7,178754E+08	9,682339E+08	1,181249E+09	1,303721E+09	1,303701E+09	1,181199E+09	9,681805E+08
-653	7,178388E+08	4,972538E+08	3,694117E+08	3,694133E+08	4,972581E+08	7,178459E+08	9,681928E+08	1,181211E+09	1,303703E+09	1,303705E+09	1,181218E+09	9,682059E+08
-652	7,178711E+08	4,972969E+08	3,694552E+08	3,694534E+08	4,973000E+08	7,178864E+08	9,682186E+08	1,181211E+09	1,303680E+09	1,303685E+09	1,181220E+09	9,682199E+08
-651	7,178714E+08	4,972852E+08	3,694532E+08	3,694629E+08	4,973066E+08	7,178846E+08	9,682146E+08	1,181206E+09	1,303668E+09	1,303657E+09	1,181182E+09	9,681898E+08
-650	7,178658E+08	4,972978E+08	3,694692E+08	3,694702E+08	4,973011E+08	7,178659E+08	9,681837E+08	1,181169E+09	1,303638E+09	1,303648E+09	1,181201E+09	9,682307E+08
-649	7,179160E+08	4,973429E+08	3,695013E+08	3,694996E+08	4,973369E+08	7,179058E+08	9,682185E+08	1,181190E+09	1,303639E+09	1,303636E+09	1,181179E+09	9,681991E+08
-648	7,178824E+08	4,973201E+08	3,694918E+08	3,694898E+08	4,973156E+08	7,178791E+08	9,681988E+08	1,181177E+09	1,303628E+09	1,303617E+09	1,181152E+09	9,681797E+08
-647	7,178810E+08	4,973361E+08	3,695141E+08	3,695087E+08	4,973278E+08	7,178766E+08	9,681786E+08	1,181156E+09	1,303621E+09	1,303629E+09	1,181177E+09	9,682117E+08
-646	7,179086E+08	4,973441E+08	3,695113E+08	3,695153E+08	4,973505E+08	7,179098E+08	9,682105E+08	1,181178E+09	1,303633E+09	1,303631E+09	1,181164E+09	9,681763E+08
-645	7,178627E+08	4,973063E+08	3,694815E+08	3,694829E+08	4,973136E+08	7,178777E+08	9,681916E+08	1,181172E+09	1,303638E+09	1,303640E+09	1,181179E+09	9,681984E+08
-644	7,178833E+08	4,973222E+08	3,694903E+08	3,694862E+08	4,973206E+08	7,178948E+08	9,682175E+08	1,181197E+09	1,303650E+09	1,303648E+09	1,181195E+09	9,682193E+08
-643	7,178891E+08	4,973020E+08	3,694645E+08	3,694692E+08	4,973084E+08	7,178856E+08	9,682206E+08	1,181218E+09	1,303678E+09	1,303659E+09	1,181174E+09	9,681777E+08
-642	7,178558E+08	4,972826E+08	3,694443E+08	3,694400E+08	4,972727E+08	7,178477E+08	9,681837E+08	1,181193E+09	1,303678E+09	1,303687E+09	1,181218E+09	9,682193E+08
-641	7,178871E+08	4,973052E+08	3,694552E+08	3,694489E+08	4,972929E+08	7,178791E+08	9,682138E+08	1,181212E+09	1,303688E+09	1,303696E+09	1,181226E+09	9,682150E+08
-640	7,178606E+08	4,972687E+08	3,694267E+08	3,694266E+08	4,972708E+08	7,178634E+08	9,682112E+08	1,181215E+09	1,303687E+09	1,303682E+09	1,181200E+09	9,681919E+08
-639	7,178487E+08	4,972645E+08	3,694275E+08	3,694276E+08	4,972692E+08	7,178534E+08	9,681914E+08	1,181196E+09	1,303678E+09	1,303689E+09	1,181224E+09	9,682297E+08
-638	7,178910E+08	4,972900E+08	3,694341E+08	3,694370E+08	4,972929E+08	7,178885E+08	9,682276E+08	1,181222E+09	1,303686E+09	1,303680E+09	1,181203E+09	9,681953E+08
-637	7,178504E+08	4,972624E+08	3,694181E+08	3,694175E+08	4,972641E+08	7,178593E+08	9,682095E+08	1,181217E+09	1,303689E+09	1,303675E+09	1,181193E+09	9,681922E+08
-636	7,178596E+08	4,972860E+08	3,694490E+08	3,694441E+08	4,972818E+08	7,178667E+08	9,682087E+08	1,181211E+09	1,303679E+09	1,303676E+09	1,181206E+09	9,682167E+08
-635	7,178845E+08	4,972962E+08	3,694578E+08	3,694651E+08	4,973079E+08	7,178834E+08	9,682118E+08	1,181207E+09	1,303674E+09	1,303664E+09	1,181178E+09	9,681741E+08
-634	7,178513E+08	4,972873E+08	3,694603E+08	3,694640E+08	4,972979E+08	7,178634E+08	9,681785E+08	1,181166E+09	1,303641E+09	1,303655E+09	1,181198E+09	9,682109E+08
-633	7,178933E+08	4,973327E+08	3,695003E+08	3,694979E+08	4,973326E+08	7,178994E+08	9,682059E+08	1,181171E+09	1,303623E+09	1,303632E+09	1,181189E+09	9,682179E+08
-632	7,178978E+08	4,973293E+08	3,695028E+08	3,695063E+08	4,973363E+08	7,178989E+08	9,682094E+08	1,181174E+09	1,303613E+09	1,303596E+09	1,181135E+09	9,681714E+08
-631	7,178801E+08	4,973373E+08	3,695217E+08	3,695205E+08	4,973357E+08	7,178769E+08	9,681716E+08	1,181140E+09	1,303595E+09	1,303596E+09	1,181151E+09	9,682033E+08
-630	7,179257E+08	4,973801E+08	3,695504E+08	3,695477E+08	4,973698E+08	7,179124E+08	9,681973E+08	1,181150E+09	1,303593E+09	1,303591E+09	1,181141E+09	9,681780E+08
-629	7,178883E+08	4,973521E+08	3,695393E+08	3,695396E+08	4,973544E+08	7,178935E+08	9,681831E+08	1,181145E+09	1,303594E+09	1,303585E+09	1,181127E+09	9,681652E+08
-628	7,178834E+08	4,973573E+08	3,695502E+08	3,695484E+08	4,973610E+08	7,178970E+08	9,681805E+08	1,181136E+09	1,303587E+09	1,303596E+09	1,181157E+09	9,682046E+08
-627	7,179166E+08	4,973656E+08	3,695446E+08	3,695519E+08	4,973780E+08	7,179218E+08	9,682065E+08	1,181157E+09	1,303596E+09	1,303592E+09	1,181138E+09	9,681693E+08
-626	7,178758E+08	4,973341E+08	3,695166E+08	3,695169E+08	4,973379E+08	7,178873E+08	9,681856E+08	1,181152E+09	1,303604E+09	1,303605E+09	1,181158E+09	9,681949E+08
-625	7,178982E+08	4,973511E+08	3,695246E+08	3,695167E+08	4,973378E+08	7,178951E+08	9,682023E+08	1,181173E+09	1,303624E+09	1,303624E+09	1,181175E+09	9,682118E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-624	7,179038E+08	4,973353E+08	3,695047E+08	3,695043E+08	4,973293E+08	7,178891E+08	9,682057E+08	1,181186E+09	1,303640E+09	1,303626E+09	1,181150E+09	9,681639E+08
-623	7,178600E+08	4,973081E+08	3,694848E+08	3,694838E+08	4,973064E+08	7,178586E+08	9,681671E+08	1,181156E+09	1,303634E+09	1,303648E+09	1,181189E+09	9,682061E+08
-622	7,178960E+08	4,973322E+08	3,694926E+08	3,694890E+08	4,973250E+08	7,178930E+08	9,681997E+08	1,181169E+09	1,303632E+09	1,303648E+09	1,181197E+09	9,682081E+08
-621	7,178739E+08	4,972982E+08	3,694665E+08	3,694680E+08	4,973034E+08	7,178790E+08	9,682051E+08	1,181189E+09	1,303647E+09	1,303636E+09	1,181166E+09	9,681794E+08
-620	7,178588E+08	4,972911E+08	3,694635E+08	3,694639E+08	4,972966E+08	7,178684E+08	9,681941E+08	1,181183E+09	1,303647E+09	1,303648E+09	1,181188E+09	9,682129E+08
-619	7,179005E+08	4,973206E+08	3,694765E+08	3,694790E+08	4,973200E+08	7,178938E+08	9,682141E+08	1,181196E+09	1,303651E+09	1,303641E+09	1,181168E+09	9,681766E+08
-618	7,178594E+08	4,972961E+08	3,694652E+08	3,694651E+08	4,972976E+08	7,178682E+08	9,681924E+08	1,181182E+09	1,303645E+09	1,303639E+09	1,181171E+09	9,681840E+08
-617	7,178705E+08	4,973177E+08	3,694936E+08	3,694903E+08	4,973163E+08	7,178783E+08	9,681919E+08	1,181172E+09	1,303635E+09	1,303642E+09	1,181188E+09	9,682146E+08
-616	7,179016E+08	4,973332E+08	3,695056E+08	3,695112E+08	4,973429E+08	7,179027E+08	9,682066E+08	1,181170E+09	1,303617E+09	1,303610E+09	1,181146E+09	9,681657E+08
-615	7,178649E+08	4,973213E+08	3,695086E+08	3,695145E+08	4,973367E+08	7,178817E+08	9,681737E+08	1,181137E+09	1,303591E+09	1,303598E+09	1,181154E+09	9,681963E+08
-614	7,179128E+08	4,973730E+08	3,695478E+08	3,695436E+08	4,973645E+08	7,179093E+08	9,681914E+08	1,181135E+09	1,303574E+09	1,303580E+09	1,181148E+09	9,682019E+08
-613	7,179142E+08	4,973711E+08	3,695554E+08	3,695558E+08	4,973689E+08	7,179051E+08	9,681914E+08	1,181145E+09	1,303579E+09	1,303556E+09	1,181098E+09	9,681507E+08
-612	7,178866E+08	4,973693E+08	3,695682E+08	3,695677E+08	4,973693E+08	7,178874E+08	9,681597E+08	1,181113E+09	1,303560E+09	1,303563E+09	1,181124E+09	9,681868E+08
-611	7,179299E+08	4,974077E+08	3,695949E+08	3,695961E+08	4,974057E+08	7,179228E+08	9,681779E+08	1,181109E+09	1,303545E+09	1,303549E+09	1,181114E+09	9,681681E+08
-610	7,178970E+08	4,973803E+08	3,695809E+08	3,695845E+08	4,973912E+08	7,179126E+08	9,681766E+08	1,181110E+09	1,303540E+09	1,303540E+09	1,181106E+09	9,681650E+08
-609	7,178984E+08	4,973848E+08	3,695851E+08	3,695839E+08	4,973873E+08	7,179092E+08	9,681765E+08	1,181113E+09	1,303548E+09	1,303557E+09	1,181133E+09	9,682011E+08
-608	7,179348E+08	4,973999E+08	3,695830E+08	3,695848E+08	4,973996E+08	7,179318E+08	9,682029E+08	1,181135E+09	1,303559E+09	1,303548E+09	1,181103E+09	9,681544E+08
-607	7,178849E+08	4,973650E+08	3,695583E+08	3,695572E+08	4,973642E+08	7,178927E+08	9,681732E+08	1,181129E+09	1,303574E+09	1,303570E+09	1,181123E+09	9,681758E+08
-606	7,179073E+08	4,973819E+08	3,695639E+08	3,695554E+08	4,973634E+08	7,178964E+08	9,681780E+08	1,181133E+09	1,303584E+09	1,303592E+09	1,181153E+09	9,682003E+08
-605	7,179110E+08	4,973637E+08	3,695450E+08	3,695466E+08	4,973620E+08	7,178992E+08	9,681890E+08	1,181154E+09	1,303605E+09	1,303593E+09	1,181129E+09	9,681557E+08
-604	7,178652E+08	4,973289E+08	3,695174E+08	3,695207E+08	4,973380E+08	7,178783E+08	9,681694E+08	1,181136E+09	1,303596E+09	1,303609E+09	1,181165E+09	9,681993E+08
-603	7,179044E+08	4,973543E+08	3,695259E+08	3,695258E+08	4,973528E+08	7,179049E+08	9,681953E+08	1,181147E+09	1,303591E+09	1,303600E+09	1,181163E+09	9,681978E+08
-602	7,178872E+08	4,973287E+08	3,695048E+08	3,695062E+08	4,973323E+08	7,178928E+08	9,682025E+08	1,181169E+09	1,303609E+09	1,303595E+09	1,181137E+09	9,681696E+08
-601	7,178715E+08	4,973229E+08	3,695029E+08	3,695007E+08	4,973193E+08	7,178723E+08	9,681822E+08	1,181160E+09	1,303618E+09	1,303619E+09	1,181163E+09	9,681996E+08
-600	7,179103E+08	4,973555E+08	3,695220E+08	3,695216E+08	4,973490E+08	7,179025E+08	9,681996E+08	1,181162E+09	1,303609E+09	1,303602E+09	1,181140E+09	9,681622E+08
-599	7,178652E+08	4,973269E+08	3,695129E+08	3,695166E+08	4,973380E+08	7,178832E+08	9,681765E+08	1,181143E+09	1,303598E+09	1,303596E+09	1,181140E+09	9,681731E+08
-598	7,178850E+08	4,973518E+08	3,695379E+08	3,695361E+08	4,973508E+08	7,178907E+08	9,681751E+08	1,181127E+09	1,303576E+09	1,303589E+09	1,181158E+09	9,682103E+08
-597	7,179212E+08	4,973723E+08	3,695543E+08	3,695593E+08	4,973776E+08	7,179140E+08	9,681953E+08	1,181142E+09	1,303572E+09	1,303557E+09	1,181108E+09	9,681552E+08
-596	7,178811E+08	4,973582E+08	3,695551E+08	3,695596E+08	4,973684E+08	7,178935E+08	9,681673E+08	1,181114E+09	1,303551E+09	1,303549E+09	1,181113E+09	9,681790E+08
-595	7,179245E+08	4,974099E+08	3,695989E+08	3,695938E+08	4,973962E+08	7,179129E+08	9,681698E+08	1,181097E+09	1,303527E+09	1,303531E+09	1,181108E+09	9,681825E+08
-594	7,179238E+08	4,974083E+08	3,696075E+08	3,696096E+08	4,974093E+08	7,179188E+08	9,681742E+08	1,181102E+09	1,303526E+09	1,303514E+09	1,181073E+09	9,681394E+08
-593	7,178949E+08	4,974007E+08	3,696127E+08	3,696144E+08	4,974063E+08	7,179043E+08	9,681495E+08	1,181078E+09	1,303516E+09	1,303526E+09	1,181102E+09	9,681797E+08
-592	7,179405E+08	4,974391E+08	3,696376E+08	3,696385E+08	4,974408E+08	7,179459E+08	9,681794E+08	1,181082E+09	1,303497E+09	1,303500E+09	1,181082E+09	9,681584E+08
-591	7,179074E+08	4,974086E+08	3,696211E+08	3,696273E+08	4,974255E+08	7,179303E+08	9,681773E+08	1,181094E+09	1,303508E+09	1,303496E+09	1,181068E+09	9,681515E+08
-590	7,179134E+08	4,974164E+08	3,696216E+08	3,696183E+08	4,974104E+08	7,179147E+08	9,681653E+08	1,181090E+09	1,303517E+09	1,303522E+09	1,181104E+09	9,681906E+08
-589	7,179471E+08	4,974328E+08	3,696244E+08	3,696231E+08	4,974223E+08	7,179310E+08	9,681860E+08	1,181115E+09	1,303538E+09	1,303522E+09	1,181081E+09	9,681425E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-588	7,178893E+08	4,973887E+08	3,695940E+08	3,695941E+08	4,973904E+08	7,178985E+08	9,681591E+08	1,181102E+09	1,303543E+09	1,303544E+09	1,181107E+09	9,681680E+08
-587	7,179118E+08	4,974042E+08	3,696001E+08	3,695947E+08	4,973925E+08	7,179030E+08	9,681568E+08	1,181090E+09	1,303534E+09	1,303551E+09	1,181131E+09	9,681970E+08
-586	7,179226E+08	4,973899E+08	3,695806E+08	3,695845E+08	4,973934E+08	7,179153E+08	9,681811E+08	1,181116E+09	1,303547E+09	1,303545E+09	1,181105E+09	9,681540E+08
-585	7,178808E+08	4,973570E+08	3,695506E+08	3,695531E+08	4,973620E+08	7,178894E+08	9,681662E+08	1,181116E+09	1,303558E+09	1,303564E+09	1,181132E+09	9,681895E+08
-584	7,179192E+08	4,973888E+08	3,695658E+08	3,695606E+08	4,973769E+08	7,179155E+08	9,681902E+08	1,181126E+09	1,303553E+09	1,303550E+09	1,181119E+09	9,681760E+08
-583	7,178935E+08	4,973606E+08	3,695498E+08	3,695510E+08	4,973636E+08	7,179008E+08	9,681909E+08	1,181146E+09	1,303578E+09	1,303556E+09	1,181097E+09	9,681469E+08
-582	7,178788E+08	4,973549E+08	3,695463E+08	3,695450E+08	4,973512E+08	7,178790E+08	9,681613E+08	1,181122E+09	1,303577E+09	1,303585E+09	1,181141E+09	9,681892E+08
-581	7,179182E+08	4,973874E+08	3,695684E+08	3,695697E+08	4,973852E+08	7,179142E+08	9,681852E+08	1,181130E+09	1,303570E+09	1,303565E+09	1,181118E+09	9,681565E+08
-580	7,178743E+08	4,973546E+08	3,695543E+08	3,695613E+08	4,973742E+08	7,179021E+08	9,681745E+08	1,181118E+09	1,303555E+09	1,303553E+09	1,181113E+09	9,681679E+08
-579	7,178992E+08	4,973846E+08	3,695830E+08	3,695820E+08	4,973835E+08	7,178997E+08	9,681599E+08	1,181092E+09	1,303526E+09	1,303536E+09	1,181121E+09	9,682012E+08
-578	7,179402E+08	4,974126E+08	3,696038E+08	3,696071E+08	4,974124E+08	7,179264E+08	9,681825E+08	1,181106E+09	1,303521E+09	1,303509E+09	1,181075E+09	9,681438E+08
-577	7,178970E+08	4,973979E+08	3,696053E+08	3,696071E+08	4,973999E+08	7,179006E+08	9,681518E+08	1,181082E+09	1,303510E+09	1,303509E+09	1,181082E+09	9,681644E+08
-576	7,179352E+08	4,974478E+08	3,696504E+08	3,696444E+08	4,974347E+08	7,179279E+08	9,681545E+08	1,181058E+09	1,303475E+09	1,303481E+09	1,181073E+09	9,681657E+08
-575	7,179297E+08	4,974399E+08	3,696570E+08	3,696636E+08	4,974547E+08	7,179414E+08	9,681664E+08	1,181067E+09	1,303476E+09	1,303464E+09	1,181036E+09	9,681269E+08
-574	7,179080E+08	4,974322E+08	3,696542E+08	3,696574E+08	4,974408E+08	7,179215E+08	9,681428E+08	1,181045E+09	1,303466E+09	1,303478E+09	1,181072E+09	9,681730E+08
-573	7,179547E+08	4,974721E+08	3,696798E+08	3,696794E+08	4,974699E+08	7,179559E+08	9,681755E+08	1,181069E+09	1,303468E+09	1,303458E+09	1,181049E+09	9,681478E+08
-572	7,179193E+08	4,974385E+08	3,696593E+08	3,696634E+08	4,974500E+08	7,179379E+08	9,681715E+08	1,181081E+09	1,303486E+09	1,303466E+09	1,181039E+09	9,681383E+08
-571	7,179213E+08	4,974449E+08	3,696620E+08	3,696567E+08	4,974323E+08	7,179105E+08	9,681395E+08	1,181055E+09	1,303482E+09	1,303490E+09	1,181079E+09	9,681798E+08
-570	7,179564E+08	4,974620E+08	3,696650E+08	3,696643E+08	4,974530E+08	7,179384E+08	9,681654E+08	1,181073E+09	1,303490E+09	1,303491E+09	1,181067E+09	9,681394E+08
-569	7,178995E+08	4,974149E+08	3,696297E+08	3,696301E+08	4,974181E+08	7,179096E+08	9,681474E+08	1,181069E+09	1,303499E+09	1,303507E+09	1,181086E+09	9,681645E+08
-568	7,179229E+08	4,974308E+08	3,696352E+08	3,696295E+08	4,974219E+08	7,179213E+08	9,681544E+08	1,181062E+09	1,303485E+09	1,303498E+09	1,181094E+09	9,681858E+08
-567	7,179330E+08	4,974170E+08	3,696179E+08	3,696234E+08	4,974260E+08	7,179327E+08	9,681814E+08	1,181100E+09	1,303514E+09	1,303498E+09	1,181060E+09	9,681360E+08
-566	7,178935E+08	4,973875E+08	3,695868E+08	3,695867E+08	4,973853E+08	7,178961E+08	9,681561E+08	1,181094E+09	1,303529E+09	1,303530E+09	1,181100E+09	9,681724E+08
-565	7,179252E+08	4,974191E+08	3,696087E+08	3,696017E+08	4,974030E+08	7,179175E+08	9,681770E+08	1,181110E+09	1,303534E+09	1,303524E+09	1,181093E+09	9,681601E+08
-564	7,178955E+08	4,973848E+08	3,695889E+08	3,695930E+08	4,973959E+08	7,179109E+08	9,681776E+08	1,181120E+09	1,303549E+09	1,303530E+09	1,181079E+09	9,681389E+08
-563	7,178832E+08	4,973794E+08	3,695873E+08	3,695888E+08	4,973840E+08	7,178878E+08	9,681402E+08	1,181077E+09	1,303524E+09	1,303542E+09	1,181118E+09	9,681891E+08
-562	7,179349E+08	4,974193E+08	3,696114E+08	3,696139E+08	4,974206E+08	7,179308E+08	9,681749E+08	1,181087E+09	1,303508E+09	1,303514E+09	1,181094E+09	9,681573E+08
-561	7,178963E+08	4,973920E+08	3,695987E+08	3,696029E+08	4,974034E+08	7,179126E+08	9,681650E+08	1,181088E+09	1,303508E+09	1,303501E+09	1,181076E+09	9,681589E+08
-560	7,179196E+08	4,974280E+08	3,696342E+08	3,696282E+08	4,974166E+08	7,179119E+08	9,681460E+08	1,181056E+09	1,303475E+09	1,303478E+09	1,181072E+09	9,681800E+08
-559	7,179524E+08	4,974531E+08	3,696595E+08	3,696630E+08	4,974540E+08	7,179400E+08	9,681672E+08	1,181071E+09	1,303477E+09	1,303458E+09	1,181027E+09	9,681199E+08
-558	7,179075E+08	4,974351E+08	3,696561E+08	3,696591E+08	4,974401E+08	7,179150E+08	9,681350E+08	1,181042E+09	1,303462E+09	1,303465E+09	1,181051E+09	9,681500E+08
-557	7,179419E+08	4,974803E+08	3,696999E+08	3,696961E+08	4,974751E+08	7,179458E+08	9,681504E+08	1,181036E+09	1,303437E+09	1,303438E+09	1,181041E+09	9,681545E+08
-556	7,179367E+08	4,974658E+08	3,696971E+08	3,697071E+08	4,974907E+08	7,179629E+08	9,681711E+08	1,181054E+09	1,303445E+09	1,303426E+09	1,181008E+09	9,681185E+08
-555	7,179187E+08	4,974611E+08	3,696947E+08	3,696968E+08	4,974680E+08	7,179292E+08	9,681320E+08	1,181020E+09	1,303431E+09	1,303439E+09	1,181043E+09	9,681659E+08
-554	7,179713E+08	4,975062E+08	3,697218E+08	3,697175E+08	4,974949E+08	7,179613E+08	9,681604E+08	1,181036E+09	1,303430E+09	1,303428E+09	1,181029E+09	9,681410E+08
-553	7,179337E+08	4,974715E+08	3,697008E+08	3,697008E+08	4,974715E+08	7,179363E+08	9,681496E+08	1,181048E+09	1,303454E+09	1,303440E+09	1,181021E+09	9,681315E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-552	7,179329E+08	4,974762E+08	3,697037E+08	3,696977E+08	4,974635E+08	7,179184E+08	9,681146E+08	1,181009E+09	1,303431E+09	1,303447E+09	1,181051E+09	9,681701E+08
-551	7,179649E+08	4,974886E+08	3,697051E+08	3,697076E+08	4,974895E+08	7,179551E+08	9,681531E+08	1,181034E+09	1,303438E+09	1,303440E+09	1,181030E+09	9,681295E+08
-550	7,179138E+08	4,974424E+08	3,696649E+08	3,696656E+08	4,974468E+08	7,179242E+08	9,681416E+08	1,181038E+09	1,303450E+09	1,303456E+09	1,181052E+09	9,681544E+08
-549	7,179345E+08	4,974597E+08	3,696733E+08	3,696659E+08	4,974473E+08	7,179307E+08	9,681540E+08	1,181053E+09	1,303457E+09	1,303453E+09	1,181053E+09	9,681664E+08
-548	7,179386E+08	4,974426E+08	3,696540E+08	3,696587E+08	4,974517E+08	7,179440E+08	9,681795E+08	1,181089E+09	1,303494E+09	1,303469E+09	1,181029E+09	9,681162E+08
-547	7,178949E+08	4,974127E+08	3,696270E+08	3,696260E+08	4,974110E+08	7,178982E+08	9,681356E+08	1,181062E+09	1,303497E+09	1,303502E+09	1,181077E+09	9,681600E+08
-546	7,179314E+08	4,974449E+08	3,696487E+08	3,696436E+08	4,974366E+08	7,179303E+08	9,681605E+08	1,181069E+09	1,303489E+09	1,303496E+09	1,181081E+09	9,681582E+08
-545	7,179073E+08	4,974122E+08	3,696275E+08	3,696322E+08	4,974262E+08	7,179244E+08	9,681682E+08	1,181088E+09	1,303507E+09	1,303495E+09	1,181061E+09	9,681400E+08
-544	7,179008E+08	4,974117E+08	3,696288E+08	3,696303E+08	4,974178E+08	7,179043E+08	9,681311E+08	1,181043E+09	1,303471E+09	1,303485E+09	1,181080E+09	9,681815E+08
-543	7,179539E+08	4,974562E+08	3,696588E+08	3,696607E+08	4,974567E+08	7,179464E+08	9,681679E+08	1,181061E+09	1,303464E+09	1,303459E+09	1,181045E+09	9,681415E+08
-542	7,179166E+08	4,974333E+08	3,696484E+08	3,696485E+08	4,974341E+08	7,179208E+08	9,681500E+08	1,181055E+09	1,303464E+09	1,303455E+09	1,181037E+09	9,681400E+08
-541	7,179300E+08	4,974669E+08	3,696887E+08	3,696810E+08	4,974520E+08	7,179193E+08	9,681325E+08	1,181032E+09	1,303439E+09	1,303436E+09	1,181034E+09	9,681587E+08
-540	7,179564E+08	4,974837E+08	3,697079E+08	3,697150E+08	4,974966E+08	7,179595E+08	9,681572E+08	1,181040E+09	1,303438E+09	1,303422E+09	1,180999E+09	9,681061E+08
-539	7,179121E+08	4,974635E+08	3,697023E+08	3,697070E+08	4,974771E+08	7,179299E+08	9,681201E+08	1,181000E+09	1,303409E+09	1,303419E+09	1,181022E+09	9,681444E+08
-538	7,179565E+08	4,975112E+08	3,697432E+08	3,697404E+08	4,975104E+08	7,179637E+08	9,681444E+08	1,181001E+09	1,303386E+09	1,303394E+09	1,181017E+09	9,681511E+08
-537	7,179566E+08	4,975016E+08	3,697399E+08	3,697457E+08	4,975152E+08	7,179687E+08	9,681607E+08	1,181031E+09	1,303410E+09	1,303387E+09	1,180979E+09	9,681107E+08
-536	7,179365E+08	4,974989E+08	3,697402E+08	3,697378E+08	4,974949E+08	7,179335E+08	9,681112E+08	1,180985E+09	1,303387E+09	1,303394E+09	1,181007E+09	9,681504E+08
-535	7,179833E+08	4,975413E+08	3,697700E+08	3,697652E+08	4,975286E+08	7,179689E+08	9,681398E+08	1,180998E+09	1,303387E+09	1,303387E+09	1,180994E+09	9,681265E+08
-534	7,179460E+08	4,975031E+08	3,697434E+08	3,697434E+08	4,975038E+08	7,179463E+08	9,681296E+08	1,181004E+09	1,303403E+09	1,303400E+09	1,180997E+09	9,681223E+08
-533	7,179409E+08	4,975033E+08	3,697444E+08	3,697398E+08	4,974962E+08	7,179340E+08	9,681123E+08	1,180987E+09	1,303389E+09	1,303401E+09	1,181018E+09	9,681578E+08
-532	7,179712E+08	4,975097E+08	3,697376E+08	3,697435E+08	4,975212E+08	7,179762E+08	9,681587E+08	1,181022E+09	1,303408E+09	1,303400E+09	1,180997E+09	9,681151E+08
-531	7,179193E+08	4,974655E+08	3,696984E+08	3,696982E+08	4,974702E+08	7,179334E+08	9,681356E+08	1,181020E+09	1,303421E+09	1,303420E+09	1,181020E+09	9,681403E+08
-530	7,179429E+08	4,974849E+08	3,697087E+08	3,697000E+08	4,974713E+08	7,179396E+08	9,681463E+08	1,181030E+09	1,303429E+09	1,303431E+09	1,181034E+09	9,681538E+08
-529	7,179458E+08	4,974686E+08	3,696908E+08	3,696935E+08	4,974730E+08	7,179458E+08	9,681645E+08	1,181066E+09	1,303470E+09	1,303450E+09	1,181015E+09	9,681100E+08
-528	7,179037E+08	4,974394E+08	3,696652E+08	3,696654E+08	4,974426E+08	7,179087E+08	9,681148E+08	1,181019E+09	1,303449E+09	1,303464E+09	1,181055E+09	9,681557E+08
-527	7,179445E+08	4,974739E+08	3,696897E+08	3,696866E+08	4,974713E+08	7,179465E+08	9,681492E+08	1,181030E+09	1,303436E+09	1,303446E+09	1,181047E+09	9,681541E+08
-526	7,179296E+08	4,974466E+08	3,696689E+08	3,696721E+08	4,974554E+08	7,179356E+08	9,681565E+08	1,181052E+09	1,303453E+09	1,303442E+09	1,181026E+09	9,681324E+08
-525	7,179208E+08	4,974514E+08	3,696780E+08	3,696760E+08	4,974474E+08	7,179122E+08	9,681238E+08	1,181023E+09	1,303431E+09	1,303431E+09	1,181033E+09	9,681609E+08
-524	7,179653E+08	4,974921E+08	3,697076E+08	3,697084E+08	4,974907E+08	7,179582E+08	9,681577E+08	1,181036E+09	1,303429E+09	1,303417E+09	1,181005E+09	9,681175E+08
-523	7,179211E+08	4,974679E+08	3,697013E+08	3,697007E+08	4,974706E+08	7,179294E+08	9,681285E+08	1,181014E+09	1,303417E+09	1,303413E+09	1,181004E+09	9,681229E+08
-522	7,179374E+08	4,974988E+08	3,697381E+08	3,697333E+08	4,974943E+08	7,179392E+08	9,681192E+08	1,180987E+09	1,303386E+09	1,303398E+09	1,181012E+09	9,681480E+08
-521	7,179661E+08	4,975147E+08	3,697532E+08	3,697610E+08	4,975321E+08	7,179775E+08	9,681528E+08	1,181011E+09	1,303394E+09	1,303382E+09	1,180976E+09	9,681028E+08
-520	7,179288E+08	4,974973E+08	3,697467E+08	3,697524E+08	4,975139E+08	7,179476E+08	9,681116E+08	1,180969E+09	1,303361E+09	1,303367E+09	1,180986E+09	9,681355E+08
-519	7,179751E+08	4,975479E+08	3,697896E+08	3,697856E+08	4,975434E+08	7,179766E+08	9,681353E+08	1,180975E+09	1,303348E+09	1,303347E+09	1,180975E+09	9,681383E+08
-518	7,179768E+08	4,975407E+08	3,697870E+08	3,697886E+08	4,975417E+08	7,179717E+08	9,681414E+08	1,180996E+09	1,303370E+09	1,303352E+09	1,180952E+09	9,680990E+08
-517	7,179488E+08	4,975346E+08	3,697895E+08	3,697858E+08	4,975254E+08	7,179366E+08	9,680936E+08	1,180955E+09	1,303348E+09	1,303355E+09	1,180977E+09	9,681353E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-516	7,179880E+08	4,975669E+08	3,698107E+08	3,698097E+08	4,975651E+08	7,179854E+08	9,681283E+08	1,180964E+09	1,303344E+09	1,303348E+09	1,180969E+09	9,681150E+08
-515	7,179501E+08	4,975271E+08	3,697816E+08	3,697831E+08	4,975350E+08	7,179612E+08	9,681192E+08	1,180966E+09	1,303349E+09	1,303351E+09	1,180967E+09	9,681145E+08
-514	7,179526E+08	4,975282E+08	3,697783E+08	3,697750E+08	4,975252E+08	7,179518E+08	9,681119E+08	1,180960E+09	1,303347E+09	1,303360E+09	1,180989E+09	9,681456E+08
-513	7,179835E+08	4,975379E+08	3,697715E+08	3,697739E+08	4,975407E+08	7,179836E+08	9,681561E+08	1,181010E+09	1,303386E+09	1,303369E+09	1,180969E+09	9,681027E+08
-512	7,179304E+08	4,974947E+08	3,697352E+08	3,697334E+08	4,974944E+08	7,179383E+08	9,681204E+08	1,180994E+09	1,303391E+09	1,303387E+09	1,180989E+09	9,681240E+08
-511	7,179499E+08	4,975121E+08	3,697483E+08	3,697410E+08	4,975011E+08	7,179480E+08	9,681316E+08	1,181001E+09	1,303397E+09	1,303399E+09	1,181008E+09	9,681435E+08
-510	7,179569E+08	4,974963E+08	3,697290E+08	3,697321E+08	4,975011E+08	7,179547E+08	9,681485E+08	1,181028E+09	1,303427E+09	1,303418E+09	1,181000E+09	9,681072E+08
-509	7,179154E+08	4,974676E+08	3,697058E+08	3,697071E+08	4,974722E+08	7,179213E+08	9,681122E+08	1,180997E+09	1,303406E+09	1,303418E+09	1,181025E+09	9,681477E+08
-508	7,179573E+08	4,975023E+08	3,697282E+08	3,697271E+08	4,975034E+08	7,179631E+08	9,681472E+08	1,181010E+09	1,303400E+09	1,303403E+09	1,181014E+09	9,681411E+08
-507	7,179417E+08	4,974807E+08	3,697132E+08	3,697132E+08	4,974827E+08	7,179426E+08	9,681409E+08	1,181018E+09	1,303409E+09	1,303395E+09	1,180989E+09	9,681164E+08
-506	7,179336E+08	4,974870E+08	3,697260E+08	3,697227E+08	4,974801E+08	7,179227E+08	9,681088E+08	1,180986E+09	1,303389E+09	1,303396E+09	1,181003E+09	9,681424E+08
-505	7,179742E+08	4,975267E+08	3,697563E+08	3,697568E+08	4,975241E+08	7,179665E+08	9,681403E+08	1,181002E+09	1,303389E+09	1,303382E+09	1,180980E+09	9,681063E+08
-504	7,179303E+08	4,974997E+08	3,697482E+08	3,697520E+08	4,975131E+08	7,179471E+08	9,681105E+08	1,180967E+09	1,303359E+09	1,303361E+09	1,180972E+09	9,681133E+08
-503	7,179504E+08	4,975310E+08	3,697848E+08	3,697836E+08	4,975358E+08	7,179623E+08	9,681153E+08	1,180952E+09	1,303331E+09	1,303341E+09	1,180974E+09	9,681406E+08
-502	7,179865E+08	4,975517E+08	3,697990E+08	3,698053E+08	4,975633E+08	7,179898E+08	9,681442E+08	1,180980E+09	1,303344E+09	1,303261E+09	1,180942E+09	9,680945E+08
-501	7,179481E+08	4,975383E+08	3,697976E+08	3,697993E+08	4,975427E+08	7,179546E+08	9,681048E+08	1,180950E+09	1,303323E+09	1,303318E+09	1,180944E+09	9,681171E+08
-500	7,179871E+08	4,975840E+08	3,698378E+08	3,698330E+08	4,975757E+08	7,179849E+08	9,681206E+08	1,180947E+09	1,303314E+09	1,303312E+09	1,180943E+09	9,681182E+08
-499	7,179822E+08	4,975741E+08	3,698352E+08	3,698361E+08	4,975747E+08	7,179777E+08	9,681166E+08	1,180951E+09	1,303321E+09	1,303311E+09	1,180925E+09	9,680876E+08
-498	7,179573E+08	4,975635E+08	3,698321E+08	3,698314E+08	4,975631E+08	7,179552E+08	9,680819E+08	1,180912E+09	1,303297E+09	1,303317E+09	1,180955E+09	9,681268E+08
-497	7,179972E+08	4,975929E+08	3,698473E+08	3,698472E+08	4,975937E+08	7,180008E+08	9,681275E+08	1,180942E+09	1,303305E+09	1,303309E+09	1,180944E+09	9,681102E+08
-496	7,179631E+08	4,975536E+08	3,698158E+08	3,698195E+08	4,975652E+08	7,179764E+08	9,681155E+08	1,180944E+09	1,303310E+09	1,303304E+09	1,180931E+09	9,681018E+08
-495	7,179651E+08	4,975574E+08	3,698146E+08	3,698104E+08	4,975510E+08	7,179638E+08	9,681098E+08	1,180946E+09	1,303320E+09	1,303322E+09	1,180953E+09	9,681294E+08
-494	7,179939E+08	4,975679E+08	3,698094E+08	3,698087E+08	4,975610E+08	7,179844E+08	9,681412E+08	1,180986E+09	1,303359E+09	1,303347E+09	1,180951E+09	9,680921E+08
-493	7,179380E+08	4,975235E+08	3,697763E+08	3,697745E+08	4,975202E+08	7,179412E+08	9,681069E+08	1,180971E+09	1,303361E+09	1,303358E+09	1,180969E+09	9,681133E+08
-492	7,179545E+08	4,975344E+08	3,697832E+08	3,697801E+08	4,975325E+08	7,179610E+08	9,681192E+08	1,180968E+09	1,303358E+09	1,303368E+09	1,180990E+09	9,681371E+08
-491	7,179646E+08	4,975226E+08	3,697663E+08	3,697697E+08	4,975288E+08	7,179645E+08	9,681342E+08	1,180989E+09	1,303372E+09	1,303369E+09	1,180974E+09	9,681050E+08
-490	7,179328E+08	4,974992E+08	3,697452E+08	3,697465E+08	4,975019E+08	7,179340E+08	9,681023E+08	1,180962E+09	1,303356E+09	1,303371E+09	1,180991E+09	9,681356E+08
-489	7,179726E+08	4,975377E+08	3,697712E+08	3,697664E+08	4,975278E+08	7,179686E+08	9,681359E+08	1,180984E+09	1,303363E+09	1,303361E+09	1,180979E+09	9,681267E+08
-488	7,179545E+08	4,975169E+08	3,697608E+08	3,697620E+08	4,975188E+08	7,179523E+08	9,681214E+08	1,180979E+09	1,303360E+09	1,303347E+09	1,180949E+09	9,680962E+08
-487	7,179423E+08	4,975217E+08	3,697756E+08	3,697751E+08	4,975214E+08	7,179403E+08	9,680966E+08	1,180950E+09	1,303341E+09	1,303347E+09	1,180966E+09	9,681261E+08
-486	7,179833E+08	4,975597E+08	3,698035E+08	3,698060E+08	4,975624E+08	7,179845E+08	9,681312E+08	1,180966E+09	1,303339E+09	1,303337E+09	1,180954E+09	9,680994E+08
-485	7,179434E+08	4,975335E+08	3,697961E+08	3,698018E+08	4,975496E+08	7,179653E+08	9,681140E+08	1,180950E+09	1,303316E+09	1,303309E+09	1,180934E+09	9,681011E+08
-484	7,179631E+08	4,975628E+08	3,698279E+08	3,698290E+08	4,975712E+08	7,179802E+08	9,681148E+08	1,180935E+09	1,303298E+09	1,303299E+09	1,180939E+09	9,681255E+08
-483	7,179981E+08	4,975891E+08	3,698469E+08	3,698492E+08	4,975913E+08	7,179955E+08	9,681280E+08	1,180947E+09	1,303303E+09	1,303289E+09	1,180911E+09	9,680827E+08
-482	7,179623E+08	4,975760E+08	3,698472E+08	3,698472E+08	4,975748E+08	7,179613E+08	9,680844E+08	1,180909E+09	1,303282E+09	1,303288E+09	1,180920E+09	9,681042E+08
-481	7,179974E+08	4,976182E+08	3,698845E+08	3,698791E+08	4,976071E+08	7,179904E+08	9,680992E+08	1,180909E+09	1,303272E+09	1,303279E+09	1,180924E+09	9,681134E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-480	7,179941E+08	4,976044E+08	3,698776E+08	3,698830E+08	4,976141E+08	7,179932E+08	9,680976E+08	1,180902E+09	1,303261E+09	1,303258E+09	1,180893E+09	9,680804E+08
-479	7,179713E+08	4,975938E+08	3,698723E+08	3,698740E+08	4,975983E+08	7,179756E+08	9,680806E+08	1,180884E+09	1,303246E+09	1,303259E+09	1,180915E+09	9,681173E+08
-478	7,180126E+08	4,976247E+08	3,698856E+08	3,698833E+08	4,976185E+08	7,180103E+08	9,681230E+08	1,180922E+09	1,303267E+09	1,303263E+09	1,180911E+09	9,680989E+08
-477	7,179759E+08	4,975863E+08	3,698570E+08	3,698574E+08	4,975877E+08	7,179821E+08	9,681145E+08	1,180935E+09	1,303285E+09	1,303266E+09	1,180893E+09	9,680810E+08
-476	7,179691E+08	4,975835E+08	3,698522E+08	3,698492E+08	4,975786E+08	7,179718E+08	9,681003E+08	1,180927E+09	1,303300E+09	1,303301E+09	1,180931E+09	9,681113E+08
-475	7,179931E+08	4,975928E+08	3,698473E+08	3,698467E+08	4,975877E+08	7,179887E+08	9,681194E+08	1,180947E+09	1,303318E+09	1,303317E+09	1,180935E+09	9,680870E+08
-474	7,179448E+08	4,975471E+08	3,698117E+08	3,698127E+08	4,975517E+08	7,179558E+08	9,680942E+08	1,180932E+09	1,303317E+09	1,303328E+09	1,180953E+09	9,681107E+08
-473	7,179659E+08	4,975599E+08	3,698171E+08	3,698144E+08	4,975576E+08	7,179705E+08	9,681121E+08	1,180943E+09	1,303319E+09	1,303329E+09	1,180967E+09	9,681366E+08
-472	7,179815E+08	4,975519E+08	3,698018E+08	3,698072E+08	4,975586E+08	7,179745E+08	9,681217E+08	1,180957E+09	1,303325E+09	1,303316E+09	1,180934E+09	9,680936E+08
-471	7,179491E+08	4,975346E+08	3,697881E+08	3,697880E+08	4,975319E+08	7,179465E+08	9,680961E+08	1,180938E+09	1,303316E+09	1,303320E+09	1,180949E+09	9,681183E+08
-470	7,179838E+08	4,975732E+08	3,698182E+08	3,698111E+08	4,975564E+08	7,179732E+08	9,681195E+08	1,180952E+09	1,303322E+09	1,303321E+09	1,180950E+09	9,681121E+08
-469	7,179626E+08	4,975509E+08	3,698104E+08	3,698132E+08	4,975556E+08	7,179653E+08	9,681132E+08	1,180951E+09	1,303316E+09	1,303301E+09	1,180914E+09	9,680792E+08
-468	7,179468E+08	4,975499E+08	3,698191E+08	3,698240E+08	4,975630E+08	7,179629E+08	9,680921E+08	1,180919E+09	1,303296E+09	1,303305E+09	1,180937E+09	9,681123E+08
-467	7,179899E+08	4,975910E+08	3,698480E+08	3,698507E+08	4,975962E+08	7,179989E+08	9,681216E+08	1,180931E+09	1,303285E+09	1,303285E+09	1,180922E+09	9,680932E+08
-466	7,179616E+08	4,975707E+08	3,698427E+08	3,698477E+08	4,975830E+08	7,179777E+08	9,681028E+08	1,180919E+09	1,303275E+09	1,303268E+09	1,180901E+09	9,680897E+08
-465	7,179804E+08	4,976031E+08	3,698768E+08	3,698732E+08	4,975975E+08	7,179817E+08	9,680976E+08	1,180908E+09	1,303265E+09	1,303263E+09	1,180911E+09	9,681157E+08
-464	7,180134E+08	4,976280E+08	3,698978E+08	3,699009E+08	4,976280E+08	7,180005E+08	9,681008E+08	1,180901E+09	1,303252E+09	1,303243E+09	1,180878E+09	9,680704E+08
-463	7,179759E+08	4,976141E+08	3,698987E+08	3,699000E+08	4,976159E+08	7,179778E+08	9,680690E+08	1,180867E+09	1,303226E+09	1,303234E+09	1,180887E+09	9,680946E+08
-462	7,180088E+08	4,976512E+08	3,699308E+08	3,699263E+08	4,976433E+08	7,180062E+08	9,680889E+08	1,180870E+09	1,303218E+09	1,303230E+09	1,180896E+09	9,681085E+08
-461	7,180083E+08	4,976368E+08	3,699218E+08	3,699282E+08	4,976486E+08	7,180124E+08	9,681033E+08	1,180886E+09	1,303218E+09	1,303205E+09	1,180853E+09	9,680649E+08
-460	7,179809E+08	4,976217E+08	3,699091E+08	3,699125E+08	4,976299E+08	7,179931E+08	9,680827E+08	1,180873E+09	1,303221E+09	1,303223E+09	1,180880E+09	9,680956E+08
-459	7,180155E+08	4,976534E+08	3,699245E+08	3,699187E+08	4,976414E+08	7,180152E+08	9,681114E+08	1,180899E+09	1,303238E+09	1,303233E+09	1,180884E+09	9,680861E+08
-458	7,179830E+08	4,976140E+08	3,698961E+08	3,698963E+08	4,976142E+08	7,179860E+08	9,680956E+08	1,180906E+09	1,303260E+09	1,303249E+09	1,180877E+09	9,680705E+08
-457	7,179732E+08	4,976064E+08	3,698865E+08	3,698840E+08	4,976027E+08	7,179748E+08	9,680815E+08	1,180896E+09	1,303268E+09	1,303278E+09	1,180921E+09	9,681128E+08
-456	7,180032E+08	4,976150E+08	3,698798E+08	3,698835E+08	4,976188E+08	7,179996E+08	9,681016E+08	1,180902E+09	1,303263E+09	1,303271E+09	1,180911E+09	9,680874E+08
-455	7,179619E+08	4,975762E+08	3,698473E+08	3,698484E+08	4,975802E+08	7,179706E+08	9,680896E+08	1,180902E+09	1,303264E+09	1,303268E+09	1,180915E+09	9,681052E+08
-454	7,179839E+08	4,975935E+08	3,698564E+08	3,698499E+08	4,975805E+08	7,179754E+08	9,681006E+08	1,180916E+09	1,303276E+09	1,303280E+09	1,180930E+09	9,681256E+08
-453	7,179976E+08	4,975892E+08	3,698481E+08	3,698500E+08	4,975857E+08	7,179817E+08	9,681156E+08	1,180937E+09	1,303288E+09	1,303268E+09	1,180888E+09	9,680688E+08
-452	7,179540E+08	4,975657E+08	3,698330E+08	3,698352E+08	4,975684E+08	7,179599E+08	9,680862E+08	1,180913E+09	1,303285E+09	1,303286E+09	1,180915E+09	9,680925E+08
-451	7,179812E+08	4,976020E+08	3,698637E+08	3,698580E+08	4,975929E+08	7,179868E+08	9,681046E+08	1,180915E+09	1,303275E+09	1,303280E+09	1,180923E+09	9,681015E+08
-450	7,179695E+08	4,975795E+08	3,698542E+08	3,698604E+08	4,975949E+08	7,179857E+08	9,681061E+08	1,180919E+09	1,303276E+09	1,303266E+09	1,180890E+09	9,680714E+08
-449	7,179580E+08	4,975800E+08	3,698603E+08	3,698654E+08	4,975941E+08	7,179763E+08	9,680884E+08	1,180899E+09	1,303262E+09	1,303267E+09	1,180913E+09	9,681110E+08
-448	7,180083E+08	4,976254E+08	3,698914E+08	3,698951E+08	4,976298E+08	7,180085E+08	9,681058E+08	1,180896E+09	1,303240E+09	1,303237E+09	1,180886E+09	9,680851E+08
-447	7,179820E+08	4,976129E+08	3,698942E+08	3,698957E+08	4,976159E+08	7,179871E+08	9,680884E+08	1,180887E+09	1,303231E+09	1,303219E+09	1,180865E+09	9,680792E+08
-446	7,179968E+08	4,976444E+08	3,699308E+08	3,699245E+08	4,976304E+08	7,179836E+08	9,680709E+08	1,180865E+09	1,303217E+09	1,303223E+09	1,180885E+09	9,681087E+08
-445	7,180277E+08	4,976660E+08	3,699507E+08	3,699545E+08	4,976674E+08	7,180146E+08	9,680873E+08	1,180861E+09	1,303196E+09	1,303190E+09	1,180841E+09	9,680568E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-444	7,179852E+08	4,976452E+08	3,699443E+08	3,699496E+08	4,976587E+08	7,180024E+08	9,680659E+08	1,180834E+09	1,303175E+09	1,303183E+09	1,180850E+09	9,680778E+08
-443	7,180158E+08	4,976819E+08	3,699731E+08	3,699679E+08	4,976750E+08	7,180211E+08	9,680828E+08	1,180840E+09	1,303166E+09	1,303173E+09	1,180856E+09	9,680958E+08
-442	7,180213E+08	4,976688E+08	3,699628E+08	3,699680E+08	4,976783E+08	7,180249E+08	9,680959E+08	1,180865E+09	1,303189E+09	1,303170E+09	1,180817E+09	9,680473E+08
-441	7,179894E+08	4,976518E+08	3,699483E+08	3,699480E+08	4,976522E+08	7,179965E+08	9,680715E+08	1,180856E+09	1,303202E+09	1,303201E+09	1,180857E+09	9,680844E+08
-440	7,180222E+08	4,976782E+08	3,699615E+08	3,699583E+08	4,976705E+08	7,180186E+08	9,680880E+08	1,180862E+09	1,303200E+09	1,303201E+09	1,180862E+09	9,680782E+08
-439	7,179927E+08	4,976414E+08	3,699341E+08	3,699351E+08	4,976449E+08	7,179988E+08	9,680836E+08	1,180872E+09	1,303216E+09	1,303209E+09	1,180856E+09	9,680695E+08
-438	7,179847E+08	4,976323E+08	3,699225E+08	3,699195E+08	4,976280E+08	7,179823E+08	9,680686E+08	1,180863E+09	1,303223E+09	1,303238E+09	1,180901E+09	9,681145E+08
-437	7,180202E+08	4,976440E+08	3,699172E+08	3,699196E+08	4,976444E+08	7,180117E+08	9,681018E+08	1,180883E+09	1,303222E+09	1,303220E+09	1,180872E+09	9,680740E+08
-436	7,179744E+08	4,976058E+08	3,698847E+08	3,698853E+08	4,976094E+08	7,179852E+08	9,680874E+08	1,180885E+09	1,303234E+09	1,303229E+09	1,180875E+09	9,680809E+08
-435	7,179881E+08	4,976250E+08	3,698985E+08	3,698884E+08	4,976059E+08	7,179807E+08	9,680857E+08	1,180887E+09	1,303239E+09	1,303241E+09	1,180896E+09	9,681077E+08
-434	7,180042E+08	4,976198E+08	3,698929E+08	3,698959E+08	4,976204E+08	7,179915E+08	9,680964E+08	1,180905E+09	1,303258E+09	1,303242E+09	1,180863E+09	9,680535E+08
-433	7,179579E+08	4,975921E+08	3,698741E+08	3,698782E+08	4,976022E+08	7,179722E+08	9,680723E+08	1,180882E+09	1,303250E+09	1,303257E+09	1,180898E+09	9,680892E+08
-432	7,179901E+08	4,976263E+08	3,699029E+08	3,699028E+08	4,976309E+08	7,180032E+08	9,680917E+08	1,180874E+09	1,303220E+09	1,303230E+09	1,180894E+09	9,680989E+08
-431	7,179889E+08	4,976148E+08	3,698987E+08	3,699041E+08	4,976287E+08	7,180026E+08	9,681022E+08	1,180891E+09	1,303224E+09	1,303207E+09	1,180854E+09	9,680669E+08
-430	7,179785E+08	4,976200E+08	3,699093E+08	3,699096E+08	4,976215E+08	7,179802E+08	9,680720E+08	1,180868E+09	1,303219E+09	1,303221E+09	1,180880E+09	9,681040E+08
-429	7,180298E+08	4,976696E+08	3,699470E+08	3,699459E+08	4,976621E+08	7,180164E+08	9,680929E+08	1,180864E+09	1,303195E+09	1,303187E+09	1,180843E+09	9,680656E+08
-428	7,179942E+08	4,976520E+08	3,699484E+08	3,699509E+08	4,976580E+08	7,180019E+08	9,680713E+08	1,180847E+09	1,303184E+09	1,303175E+09	1,180829E+09	9,680562E+08
-427	7,180016E+08	4,976796E+08	3,699819E+08	3,699764E+08	4,976712E+08	7,180001E+08	9,680533E+08	1,180817E+09	1,303157E+09	1,303170E+09	1,180852E+09	9,680983E+08
-426	7,180393E+08	4,976984E+08	3,699979E+08	3,700046E+08	4,977092E+08	7,180361E+08	9,680793E+08	1,180828E+09	1,303151E+09	1,303144E+09	1,180806E+09	9,680442E+08
-425	7,179955E+08	4,976740E+08	3,699841E+08	3,699896E+08	4,976897E+08	7,180178E+08	9,680655E+08	1,180819E+09	1,303144E+09	1,303144E+09	1,180820E+09	9,680683E+08
-424	7,180269E+08	4,977089E+08	3,700110E+08	3,700072E+08	4,977048E+08	7,180317E+08	9,680736E+08	1,180815E+09	1,303131E+09	1,303133E+09	1,180821E+09	9,680817E+08
-423	7,180344E+08	4,977024E+08	3,700053E+08	3,700069E+08	4,977037E+08	7,180323E+08	9,680865E+08	1,180843E+09	1,303157E+09	1,303135E+09	1,180792E+09	9,680373E+08
-422	7,179982E+08	4,976816E+08	3,699899E+08	3,699872E+08	4,976762E+08	7,179956E+08	9,680482E+08	1,180822E+09	1,303169E+09	1,303176E+09	1,180844E+09	9,680828E+08
-421	7,180345E+08	4,977063E+08	3,700013E+08	3,699977E+08	4,976994E+08	7,180297E+08	9,680758E+08	1,180825E+09	1,303154E+09	1,303161E+09	1,180836E+09	9,680712E+08
-420	7,180039E+08	4,976664E+08	3,699697E+08	3,699730E+08	4,976767E+08	7,180157E+08	9,680775E+08	1,180842E+09	1,303171E+09	1,303166E+09	1,180826E+09	9,680568E+08
-419	7,179949E+08	4,976604E+08	3,699584E+08	3,699537E+08	4,976525E+08	7,179907E+08	9,680576E+08	1,180832E+09	1,303174E+09	1,303186E+09	1,180864E+09	9,681043E+08
-418	7,180350E+08	4,976756E+08	3,699569E+08	3,699571E+08	4,976709E+08	7,180190E+08	9,680881E+08	1,180860E+09	1,303194E+09	1,303184E+09	1,180834E+09	9,680541E+08
-417	7,179816E+08	4,976351E+08	3,699251E+08	3,699233E+08	4,976349E+08	7,179913E+08	9,680760E+08	1,180865E+09	1,303210E+09	1,303203E+09	1,180850E+09	9,680656E+08
-416	7,179918E+08	4,976487E+08	3,699383E+08	3,699328E+08	4,976411E+08	7,179914E+08	9,680674E+08	1,180849E+09	1,303197E+09	1,303204E+09	1,180868E+09	9,680941E+08
-415	7,180119E+08	4,976483E+08	3,699349E+08	3,699398E+08	4,976574E+08	7,180128E+08	9,680918E+08	1,180873E+09	1,303211E+09	1,303198E+09	1,180840E+09	9,680501E+08
-414	7,179693E+08	4,976207E+08	3,699159E+08	3,699202E+08	4,976335E+08	7,179856E+08	9,680648E+08	1,180854E+09	1,303207E+09	1,303216E+09	1,180875E+09	9,680902E+08
-413	7,180104E+08	4,976597E+08	3,699459E+08	3,699442E+08	4,976610E+08	7,180185E+08	9,680908E+08	1,180851E+09	1,303177E+09	1,303179E+09	1,180853E+09	9,680864E+08
-412	7,180067E+08	4,976522E+08	3,699458E+08	3,699497E+08	4,976622E+08	7,180163E+08	9,680944E+08	1,180867E+09	1,303189E+09	1,303167E+09	1,180815E+09	9,680456E+08
-411	7,179901E+08	4,976604E+08	3,699620E+08	3,699581E+08	4,976520E+08	7,179832E+08	9,680478E+08	1,180825E+09	1,303169E+09	1,303174E+09	1,180845E+09	9,680897E+08
-410	7,180424E+08	4,977076E+08	3,700008E+08	3,700003E+08	4,977016E+08	7,180250E+08	9,680659E+08	1,180820E+09	1,303151E+09	1,303149E+09	1,180812E+09	9,680507E+08
-409	7,180029E+08	4,976849E+08	3,699968E+08	3,700010E+08	4,976980E+08	7,180192E+08	9,680576E+08	1,180807E+09	1,303134E+09	1,303132E+09	1,180802E+09	9,680493E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-408	7,180131E+08	4,977078E+08	3,700250E+08	3,700243E+08	4,977109E+08	7,180190E+08	9,680428E+08	1,180775E+09	1,303095E+09	1,303109E+09	1,180811E+09	9,680868E+08
-407	7,180573E+08	4,977349E+08	3,700429E+08	3,700480E+08	4,977426E+08	7,180546E+08	9,680790E+08	1,180805E+09	1,303101E+09	1,303085E+09	1,180766E+09	9,680333E+08
-406	7,180111E+08	4,977107E+08	3,700304E+08	3,700310E+08	4,977146E+08	7,180213E+08	9,680524E+08	1,180796E+09	1,303113E+09	1,303107E+09	1,180789E+09	9,680573E+08
-405	7,180411E+08	4,977436E+08	3,700576E+08	3,700504E+08	4,977322E+08	7,180391E+08	9,680632E+08	1,180790E+09	1,303098E+09	1,303097E+09	1,180787E+09	9,680626E+08
-404	7,180412E+08	4,977323E+08	3,700493E+08	3,700524E+08	4,977385E+08	7,180450E+08	9,680727E+08	1,180811E+09	1,303123E+09	1,303108E+09	1,180769E+09	9,680205E+08
-403	7,180020E+08	4,977085E+08	3,700294E+08	3,700274E+08	4,977065E+08	7,180066E+08	9,680321E+08	1,180781E+09	1,303119E+09	1,303137E+09	1,180823E+09	9,680794E+08
-402	7,180468E+08	4,977325E+08	3,700381E+08	3,700364E+08	4,977300E+08	7,180427E+08	9,680650E+08	1,180798E+09	1,303119E+09	1,303124E+09	1,180809E+09	9,680637E+08
-401	7,180162E+08	4,976920E+08	3,700026E+08	3,700055E+08	4,977013E+08	7,180269E+08	9,680732E+08	1,180824E+09	1,303142E+09	1,303131E+09	1,180799E+09	9,680479E+08
-400	7,180059E+08	4,976850E+08	3,699927E+08	3,699893E+08	4,976786E+08	7,179991E+08	9,680461E+08	1,180804E+09	1,303136E+09	1,303145E+09	1,180829E+09	9,680880E+08
-399	7,180463E+08	4,977074E+08	3,699980E+08	3,699962E+08	4,976980E+08	7,180289E+08	9,680796E+08	1,180835E+09	1,303156E+09	1,303146E+09	1,180808E+09	9,680426E+08
-398	7,179879E+08	4,976626E+08	3,699664E+08	3,699648E+08	4,976634E+08	7,179971E+08	9,680582E+08	1,180833E+09	1,303175E+09	1,303174E+09	1,180834E+09	9,680616E+08
-397	7,180024E+08	4,976749E+08	3,699782E+08	3,699745E+08	4,976747E+08	7,180113E+08	9,680639E+08	1,180816E+09	1,303149E+09	1,303159E+09	1,180838E+09	9,680836E+08
-396	7,180232E+08	4,976767E+08	3,699748E+08	3,699816E+08	4,976915E+08	7,180325E+08	9,680904E+08	1,180846E+09	1,303165E+09	1,303152E+09	1,180805E+09	9,680348E+08
-395	7,179825E+08	4,976548E+08	3,699584E+08	3,699602E+08	4,976604E+08	7,179936E+08	9,680521E+08	1,180821E+09	1,303159E+09	1,303164E+09	1,180837E+09	9,680797E+08
-394	7,180300E+08	4,976997E+08	3,699951E+08	3,699903E+08	4,976908E+08	7,180224E+08	9,680696E+08	1,180822E+09	1,303146E+09	1,303140E+09	1,180815E+09	9,680680E+08
-393	7,180193E+08	4,976896E+08	3,699958E+08	3,699978E+08	4,976941E+08	7,180215E+08	9,680739E+08	1,180832E+09	1,303151E+09	1,303133E+09	1,180788E+09	9,680321E+08
-392	7,179994E+08	4,976925E+08	3,700117E+08	3,700122E+08	4,976935E+08	7,179962E+08	9,680251E+08	1,180775E+09	1,303110E+09	1,303124E+09	1,180812E+09	9,680772E+08
-391	7,180555E+08	4,977440E+08	3,700514E+08	3,700520E+08	4,977431E+08	7,180478E+08	9,680595E+08	1,180780E+09	1,303088E+09	1,303091E+09	1,180781E+09	9,680438E+08
-390	7,180160E+08	4,977187E+08	3,700447E+08	3,700493E+08	4,977335E+08	7,180353E+08	9,680522E+08	1,180779E+09	1,303087E+09	1,303083E+09	1,180770E+09	9,680430E+08
-389	7,180313E+08	4,977428E+08	3,700703E+08	3,700684E+08	4,977448E+08	7,180393E+08	9,680453E+08	1,180755E+09	1,303054E+09	1,303058E+09	1,180765E+09	9,680653E+08
-388	7,180688E+08	4,977707E+08	3,700896E+08	3,700931E+08	4,977753E+08	7,180692E+08	9,680749E+08	1,180786E+09	1,303074E+09	1,303052E+09	1,180730E+09	9,680094E+08
-387	7,180181E+08	4,977451E+08	3,700770E+08	3,700755E+08	4,977424E+08	7,180241E+08	9,680321E+08	1,180762E+09	1,303076E+09	1,303076E+09	1,180766E+09	9,680473E+08
-386	7,180508E+08	4,977737E+08	3,701013E+08	3,700962E+08	4,977651E+08	7,180446E+08	9,680387E+08	1,180755E+09	1,303068E+09	1,303072E+09	1,180769E+09	9,680550E+08
-385	7,180491E+08	4,977570E+08	3,700858E+08	3,700912E+08	4,977691E+08	7,180578E+08	9,680606E+08	1,180777E+09	1,303081E+09	1,303076E+09	1,180755E+09	9,680213E+08
-384	7,180143E+08	4,977308E+08	3,700625E+08	3,700643E+08	4,977355E+08	7,180191E+08	9,680212E+08	1,180743E+09	1,303062E+09	1,303083E+09	1,180790E+09	9,680732E+08
-383	7,180646E+08	4,977643E+08	3,700747E+08	3,700703E+08	4,977542E+08	7,180544E+08	9,680615E+08	1,180773E+09	1,303071E+09	1,303072E+09	1,180776E+09	9,680542E+08
-382	7,180296E+08	4,977246E+08	3,700431E+08	3,700420E+08	4,977227E+08	7,180294E+08	9,680603E+08	1,180801E+09	1,303111E+09	1,303096E+09	1,180769E+09	9,680356E+08
-381	7,180177E+08	4,977154E+08	3,700333E+08	3,700284E+08	4,977062E+08	7,180103E+08	9,680379E+08	1,180777E+09	1,303100E+09	1,303106E+09	1,180792E+09	9,680640E+08
-380	7,180487E+08	4,977345E+08	3,700389E+08	3,700400E+08	4,977336E+08	7,180465E+08	9,680732E+08	1,180808E+09	1,303121E+09	1,303113E+09	1,180781E+09	9,680238E+08
-379	7,179914E+08	4,976887E+08	3,700051E+08	3,700056E+08	4,976942E+08	7,180105E+08	9,680487E+08	1,180800E+09	1,303128E+09	1,303132E+09	1,180809E+09	9,680560E+08
-378	7,180141E+08	4,977016E+08	3,700158E+08	3,700146E+08	4,977046E+08	7,180222E+08	9,680553E+08	1,180796E+09	1,303120E+09	1,303123E+09	1,180809E+09	9,680737E+08
-377	7,180359E+08	4,977064E+08	3,700127E+08	3,700187E+08	4,977178E+08	7,180424E+08	9,680839E+08	1,180826E+09	1,303136E+09	1,303119E+09	1,180781E+09	9,680267E+08
-376	7,179963E+08	4,976870E+08	3,700021E+08	3,700037E+08	4,976888E+08	7,179982E+08	9,680323E+08	1,180783E+09	1,303112E+09	1,303119E+09	1,180802E+09	9,680657E+08
-375	7,180461E+08	4,977406E+08	3,700469E+08	3,700397E+08	4,977235E+08	7,180294E+08	9,680499E+08	1,180780E+09	1,303093E+09	1,303095E+09	1,180789E+09	9,680589E+08
-374	7,180316E+08	4,977273E+08	3,700488E+08	3,700515E+08	4,977321E+08	7,180302E+08	9,680491E+08	1,180784E+09	1,303098E+09	1,303088E+09	1,180763E+09	9,680278E+08
-373	7,180156E+08	4,977282E+08	3,700613E+08	3,700636E+08	4,977361E+08	7,180217E+08	9,680201E+08	1,180733E+09	1,303045E+09	1,303061E+09	1,180768E+09	9,680605E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-372	7,180681E+08	4,977797E+08	3,701004E+08	3,701029E+08	4,977845E+08	7,180726E+08	9,680617E+08	1,180754E+09	1,303036E+09	1,303032E+09	1,180735E+09	9,680228E+08
-371	7,180290E+08	4,977565E+08	3,700927E+08	3,700957E+08	4,977654E+08	7,180472E+08	9,680445E+08	1,180752E+09	1,303042E+09	1,303030E+09	1,180728E+09	9,680268E+08
-370	7,180453E+08	4,977803E+08	3,701192E+08	3,701161E+08	4,977766E+08	7,180457E+08	9,680306E+08	1,180734E+09	1,303033E+09	1,303027E+09	1,180732E+09	9,680451E+08
-369	7,180751E+08	4,978027E+08	3,701350E+08	3,701385E+08	4,978071E+08	7,180771E+08	9,680595E+08	1,180758E+09	1,303045E+09	1,303029E+09	1,180714E+09	9,680004E+08
-368	7,180242E+08	4,977708E+08	3,701185E+08	3,701215E+08	4,977776E+08	7,180353E+08	9,680125E+08	1,180718E+09	1,303026E+09	1,303037E+09	1,180745E+09	9,680432E+08
-367	7,180647E+08	4,978044E+08	3,701417E+08	3,701371E+08	4,977967E+08	7,180600E+08	9,680316E+08	1,180720E+09	1,303013E+09	1,303025E+09	1,180750E+09	9,680566E+08
-366	7,180642E+08	4,977859E+08	3,701230E+08	3,701279E+08	4,977943E+08	7,180654E+08	9,680510E+08	1,180751E+09	1,303040E+09	1,303033E+09	1,180729E+09	9,680206E+08
-365	7,180336E+08	4,977621E+08	3,700987E+08	3,700982E+08	4,977614E+08	7,180346E+08	9,680207E+08	1,180722E+09	1,303023E+09	1,303033E+09	1,180748E+09	9,680526E+08
-364	7,180740E+08	4,977963E+08	3,701152E+08	3,701084E+08	4,977802E+08	7,180644E+08	9,680564E+08	1,180754E+09	1,303041E+09	1,303036E+09	1,180738E+09	9,680284E+08
-363	7,180325E+08	4,977535E+08	3,700833E+08	3,700818E+08	4,977485E+08	7,180325E+08	9,680429E+08	1,180770E+09	1,303075E+09	1,303063E+09	1,180744E+09	9,680221E+08
-362	7,180224E+08	4,977404E+08	3,700714E+08	3,700706E+08	4,977390E+08	7,180195E+08	9,680210E+08	1,180750E+09	1,303074E+09	1,303080E+09	1,180771E+09	9,680519E+08
-361	7,180511E+08	4,977552E+08	3,700717E+08	3,700763E+08	4,977635E+08	7,180617E+08	9,680675E+08	1,180782E+09	1,303084E+09	1,303082E+09	1,180765E+09	9,680220E+08
-360	7,180018E+08	4,977112E+08	3,700387E+08	3,700426E+08	4,977218E+08	7,180208E+08	9,680391E+08	1,180768E+09	1,303078E+09	1,303082E+09	1,180777E+09	9,680506E+08
-359	7,180335E+08	4,977377E+08	3,700572E+08	3,700522E+08	4,977286E+08	7,180282E+08	9,680447E+08	1,180768E+09	1,303072E+09	1,303075E+09	1,180780E+09	9,680665E+08
-358	7,180521E+08	4,977450E+08	3,700608E+08	3,700626E+08	4,977431E+08	7,180417E+08	9,680616E+08	1,180792E+09	1,303097E+09	1,303081E+09	1,180753E+09	9,680185E+08
-357	7,180128E+08	4,977261E+08	3,700529E+08	3,700538E+08	4,977264E+08	7,180131E+08	9,680168E+08	1,180740E+09	1,303058E+09	1,303068E+09	1,180763E+09	9,680447E+08
-356	7,180543E+08	4,977774E+08	3,700995E+08	3,700948E+08	4,977683E+08	7,180516E+08	9,680406E+08	1,180741E+09	1,303038E+09	1,303044E+09	1,180751E+09	9,680402E+08
-355	7,180405E+08	4,977618E+08	3,700980E+08	3,701038E+08	4,977735E+08	7,180506E+08	9,680422E+08	1,180747E+09	1,303039E+09	1,303030E+09	1,180726E+09	9,680177E+08
-354	7,180302E+08	4,977625E+08	3,701077E+08	3,701132E+08	4,977751E+08	7,180389E+08	9,680168E+08	1,180716E+09	1,303014E+09	1,303015E+09	1,180728E+09	9,680419E+08
-353	7,180769E+08	4,978121E+08	3,701438E+08	3,701465E+08	4,978173E+08	7,180881E+08	9,680606E+08	1,180739E+09	1,303010E+09	1,302999E+09	1,180705E+09	9,680098E+08
-352	7,180389E+08	4,977885E+08	3,701386E+08	3,701417E+08	4,977955E+08	7,180532E+08	9,680293E+08	1,180722E+09	1,303004E+09	1,302992E+09	1,180699E+09	9,680142E+08
-351	7,180580E+08	4,978166E+08	3,701669E+08	3,701624E+08	4,978073E+08	7,180512E+08	9,680122E+08	1,180698E+09	1,302988E+09	1,302994E+09	1,180718E+09	9,680421E+08
-350	7,180863E+08	4,978356E+08	3,701807E+08	3,701844E+08	4,978391E+08	7,180833E+08	9,680363E+08	1,180715E+09	1,302999E+09	1,302995E+09	1,180701E+09	9,680058E+08
-349	7,180434E+08	4,978034E+08	3,701593E+08	3,701620E+08	4,978111E+08	7,180543E+08	9,680037E+08	1,180676E+09	1,302964E+09	1,302978E+09	1,180708E+09	9,680331E+08
-348	7,180800E+08	4,978378E+08	3,701830E+08	3,701775E+08	4,978273E+08	7,180746E+08	9,680272E+08	1,180693E+09	1,302964E+09	1,302969E+09	1,180706E+09	9,680397E+08
-347	7,180785E+08	4,978205E+08	3,701641E+08	3,701663E+08	4,978190E+08	7,180697E+08	9,680374E+08	1,180722E+09	1,302998E+09	1,302982E+09	1,180688E+09	9,680035E+08
-346	7,180441E+08	4,977942E+08	3,701404E+08	3,701389E+08	4,977881E+08	7,180369E+08	9,680058E+08	1,180705E+09	1,303003E+09	1,303002E+09	1,180712E+09	9,680274E+08
-345	7,180718E+08	4,978199E+08	3,701527E+08	3,701480E+08	4,978103E+08	7,180752E+08	9,680467E+08	1,180732E+09	1,303016E+09	1,303014E+09	1,180721E+09	9,680159E+08
-344	7,180318E+08	4,977724E+08	3,701182E+08	3,701215E+08	4,977804E+08	7,180457E+08	9,680314E+08	1,180736E+09	1,303032E+09	1,303027E+09	1,180723E+09	9,680157E+08
-343	7,180309E+08	4,977652E+08	3,701058E+08	3,701064E+08	4,977677E+08	7,180350E+08	9,680188E+08	1,180724E+09	1,303029E+09	1,303042E+09	1,180756E+09	9,680530E+08
-342	7,180639E+08	4,977822E+08	3,701070E+08	3,701112E+08	4,977877E+08	7,180684E+08	9,680577E+08	1,180759E+09	1,303050E+09	1,303046E+09	1,180743E+09	9,680238E+08
-341	7,180226E+08	4,977452E+08	3,700774E+08	3,700785E+08	4,977493E+08	7,180342E+08	9,680316E+08	1,180739E+09	1,303036E+09	1,303034E+09	1,180738E+09	9,680338E+08
-340	7,180468E+08	4,977760E+08	3,701058E+08	3,700980E+08	4,977592E+08	7,180356E+08	9,680310E+08	1,180738E+09	1,303033E+09	1,303033E+09	1,180742E+09	9,680476E+08
-339	7,180625E+08	4,977819E+08	3,701110E+08	3,701131E+08	4,977777E+08	7,180469E+08	9,680374E+08	1,180749E+09	1,303045E+09	1,303034E+09	1,180722E+09	9,680078E+08
-338	7,180241E+08	4,977606E+08	3,701025E+08	3,701072E+08	4,977687E+08	7,180282E+08	9,680018E+08	1,180706E+09	1,303015E+09	1,303022E+09	1,180728E+09	9,680292E+08
-337	7,180602E+08	4,978067E+08	3,701434E+08	3,701423E+08	4,978084E+08	7,180748E+08	9,680399E+08	1,180712E+09	1,302990E+09	1,302995E+09	1,180719E+09	9,680303E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-336	7,180511E+08	4,977919E+08	3,701419E+08	3,701500E+08	4,978090E+08	7,180668E+08	9,680371E+08	1,180718E+09	1,302988E+09	1,302973E+09	1,180683E+09	9,680041E+08
-335	7,180477E+08	4,978028E+08	3,701559E+08	3,701578E+08	4,978058E+08	7,180497E+08	9,680092E+08	1,180691E+09	1,302972E+09	1,302972E+09	1,180697E+09	9,680303E+08
-334	7,180895E+08	4,978502E+08	3,701942E+08	3,701936E+08	4,978459E+08	7,180889E+08	9,680388E+08	1,180707E+09	1,302977E+09	1,302968E+09	1,180682E+09	9,680040E+08
-333	7,180552E+08	4,978266E+08	3,701882E+08	3,701905E+08	4,978331E+08	7,180674E+08	9,680115E+08	1,180680E+09	1,302955E+09	1,302949E+09	1,180668E+09	9,680013E+08
-332	7,180691E+08	4,978527E+08	3,702169E+08	3,702128E+08	4,978458E+08	7,180665E+08	9,679985E+08	1,180659E+09	1,302936E+09	1,302948E+09	1,180687E+09	9,680322E+08
-331	7,180991E+08	4,978678E+08	3,702245E+08	3,702288E+08	4,978717E+08	7,180947E+08	9,680234E+08	1,180677E+09	1,302943E+09	1,302941E+09	1,180668E+09	9,680007E+08
-330	7,180604E+08	4,978361E+08	3,702006E+08	3,702039E+08	4,978428E+08	7,180655E+08	9,679970E+08	1,180659E+09	1,302933E+09	1,302933E+09	1,180667E+09	9,680142E+08
-329	7,180871E+08	4,978657E+08	3,702199E+08	3,702135E+08	4,978543E+08	7,180865E+08	9,680231E+08	1,180676E+09	1,302937E+09	1,302936E+09	1,180674E+09	9,680228E+08
-328	7,180825E+08	4,978454E+08	3,702024E+08	3,702051E+08	4,978453E+08	7,180751E+08	9,680234E+08	1,180695E+09	1,302963E+09	1,302947E+09	1,180658E+09	9,679878E+08
-327	7,180500E+08	4,978215E+08	3,701788E+08	3,701779E+08	4,978170E+08	7,180449E+08	9,679916E+08	1,180674E+09	1,302966E+09	1,302976E+09	1,180700E+09	9,680215E+08
-326	7,180747E+08	4,978412E+08	3,701878E+08	3,701852E+08	4,978390E+08	7,180845E+08	9,680321E+08	1,180700E+09	1,302980E+09	1,302986E+09	1,180709E+09	9,680203E+08
-325	7,180467E+08	4,977977E+08	3,701509E+08	3,701548E+08	4,978104E+08	7,180659E+08	9,680287E+08	1,180705E+09	1,302982E+09	1,302977E+09	1,180691E+09	9,680079E+08
-324	7,180453E+08	4,977960E+08	3,701439E+08	3,701423E+08	4,977936E+08	7,180459E+08	9,680146E+08	1,180702E+09	1,302988E+09	1,302993E+09	1,180716E+09	9,680405E+08
-323	7,180803E+08	4,978170E+08	3,701489E+08	3,701490E+08	4,978106E+08	7,180692E+08	9,680398E+08	1,180728E+09	1,303010E+09	1,303000E+09	1,180706E+09	9,680121E+08
-322	7,180383E+08	4,977823E+08	3,701251E+08	3,701246E+08	4,977798E+08	7,180366E+08	9,680122E+08	1,180714E+09	1,303007E+09	1,302996E+09	1,180700E+09	9,680115E+08
-321	7,180503E+08	4,978065E+08	3,701515E+08	3,701461E+08	4,977974E+08	7,180501E+08	9,680170E+08	1,180704E+09	1,302993E+09	1,302997E+09	1,180717E+09	9,680356E+08
-320	7,180674E+08	4,978096E+08	3,701566E+08	3,701627E+08	4,978180E+08	7,180650E+08	9,680258E+08	1,180708E+09	1,302988E+09	1,302982E+09	1,180689E+09	9,679984E+08
-319	7,180368E+08	4,977934E+08	3,701476E+08	3,701535E+08	4,978060E+08	7,180480E+08	9,680001E+08	1,180677E+09	1,302964E+09	1,302974E+09	1,180701E+09	9,680219E+08
-318	7,180725E+08	4,978393E+08	3,701884E+08	3,701867E+08	4,978407E+08	7,180871E+08	9,680331E+08	1,180691E+09	1,302955E+09	1,302954E+09	1,180688E+09	9,680244E+08
-317	7,180712E+08	4,978315E+08	3,701890E+08	3,701934E+08	4,978420E+08	7,180823E+08	9,680283E+08	1,180689E+09	1,302947E+09	1,302925E+09	1,180641E+09	9,679840E+08
-316	7,180598E+08	4,978438E+08	3,702101E+08	3,702085E+08	4,978393E+08	7,180568E+08	9,679928E+08	1,180659E+09	1,302933E+09	1,302932E+09	1,180663E+09	9,680152E+08
-315	7,181020E+08	4,978873E+08	3,702464E+08	3,702460E+08	4,978823E+08	7,180935E+08	9,680103E+08	1,180659E+09	1,302926E+09	1,302925E+09	1,180658E+09	9,680001E+08
-314	7,180712E+08	4,978620E+08	3,702375E+08	3,702421E+08	4,978726E+08	7,180792E+08	9,679933E+08	1,180642E+09	1,302907E+09	1,302902E+09	1,180636E+09	9,679911E+08
-313	7,180794E+08	4,978821E+08	3,702589E+08	3,702569E+08	4,978821E+08	7,180855E+08	9,679932E+08	1,180627E+09	1,302885E+09	1,302898E+09	1,180655E+09	9,680246E+08
-312	7,181114E+08	4,978973E+08	3,702655E+08	3,702695E+08	4,979011E+08	7,181055E+08	9,680135E+08	1,180645E+09	1,302892E+09	1,302884E+09	1,180625E+09	9,679856E+08
-311	7,180747E+08	4,978712E+08	3,702436E+08	3,702430E+08	4,978696E+08	7,180744E+08	9,679884E+08	1,180633E+09	1,302894E+09	1,302894E+09	1,180636E+09	9,679972E+08
-310	7,180923E+08	4,978943E+08	3,702614E+08	3,702536E+08	4,978810E+08	7,180912E+08	9,680077E+08	1,180651E+09	1,302911E+09	1,302910E+09	1,180651E+09	9,680124E+08
-309	7,180913E+08	4,978726E+08	3,702400E+08	3,702438E+08	4,978796E+08	7,180940E+08	9,680138E+08	1,180663E+09	1,302923E+09	1,302910E+09	1,180630E+09	9,679733E+08
-308	7,180550E+08	4,978471E+08	3,702172E+08	3,702172E+08	4,978492E+08	7,180627E+08	9,679891E+08	1,180650E+09	1,302929E+09	1,302939E+09	1,180673E+09	9,680149E+08
-307	7,180857E+08	4,978644E+08	3,702215E+08	3,702199E+08	4,978647E+08	7,180938E+08	9,680240E+08	1,180675E+09	1,302941E+09	1,302945E+09	1,180683E+09	9,680191E+08
-306	7,180644E+08	4,978268E+08	3,701869E+08	3,701897E+08	4,978348E+08	7,180720E+08	9,680223E+08	1,180695E+09	1,302960E+09	1,302942E+09	1,180657E+09	9,679929E+08
-305	7,180545E+08	4,978244E+08	3,701814E+08	3,701775E+08	4,978178E+08	7,180531E+08	9,680048E+08	1,180681E+09	1,302962E+09	1,302964E+09	1,180690E+09	9,680272E+08
-304	7,180870E+08	4,978457E+08	3,701919E+08	3,701907E+08	4,978371E+08	7,180708E+08	9,680178E+08	1,180691E+09	1,302967E+09	1,302962E+09	1,180677E+09	9,679993E+08
-303	7,180493E+08	4,978158E+08	3,701715E+08	3,701713E+08	4,978156E+08	7,180480E+08	9,679931E+08	1,180671E+09	1,302957E+09	1,302961E+09	1,180681E+09	9,680040E+08
-302	7,180587E+08	4,978353E+08	3,701954E+08	3,701918E+08	4,978336E+08	7,180651E+08	9,680025E+08	1,180664E+09	1,302942E+09	1,302953E+09	1,180690E+09	9,680334E+08
-301	7,180859E+08	4,978431E+08	3,701992E+08	3,702062E+08	4,978571E+08	7,180902E+08	9,680228E+08	1,180673E+09	1,302929E+09	1,302919E+09	1,180643E+09	9,679835E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-300	7,180529E+08	4,978325E+08	3,701977E+08	3,702005E+08	4,978398E+08	7,180624E+08	9,679954E+08	1,180654E+09	1,302920E+09	1,302918E+09	1,180652E+09	9,680039E+08
-299	7,180875E+08	4,978769E+08	3,702388E+08	3,702341E+08	4,978707E+08	7,180910E+08	9,680140E+08	1,180658E+09	1,302914E+09	1,302910E+09	1,180650E+09	9,680096E+08
-298	7,180863E+08	4,978717E+08	3,702435E+08	3,702468E+08	4,978781E+08	7,180881E+08	9,680098E+08	1,180661E+09	1,302914E+09	1,302890E+09	1,180608E+09	9,679641E+08
-297	7,180653E+08	4,978766E+08	3,702597E+08	3,702603E+08	4,978802E+08	7,180731E+08	9,679772E+08	1,180620E+09	1,302889E+09	1,302897E+09	1,180641E+09	9,680071E+08
-296	7,181100E+08	4,979170E+08	3,702933E+08	3,702949E+08	4,979201E+08	7,181094E+08	9,679964E+08	1,180616E+09	1,302866E+09	1,302872E+09	1,180626E+09	9,679947E+08
-295	7,180889E+08	4,978965E+08	3,702825E+08	3,702874E+08	4,979082E+08	7,180963E+08	9,679867E+08	1,180607E+09	1,302854E+09	1,302854E+09	1,180607E+09	9,679836E+08
-294	7,180938E+08	4,979139E+08	3,703002E+08	3,702971E+08	4,979113E+08	7,180964E+08	9,679847E+08	1,180603E+09	1,302849E+09	1,302856E+09	1,180621E+09	9,680154E+08
-293	7,181289E+08	4,979322E+08	3,703067E+08	3,703076E+08	4,979313E+08	7,181209E+08	9,680062E+08	1,180618E+09	1,302852E+09	1,302838E+09	1,180584E+09	9,679636E+08
-292	7,180819E+08	4,979043E+08	3,702895E+08	3,702864E+08	4,978989E+08	7,180828E+08	9,679779E+08	1,180610E+09	1,302864E+09	1,302860E+09	1,180604E+09	9,679808E+08
-291	7,180974E+08	4,979188E+08	3,703009E+08	3,702950E+08	4,979114E+08	7,180989E+08	9,679895E+08	1,180616E+09	1,302873E+09	1,302879E+09	1,180632E+09	9,680070E+08
-290	7,181019E+08	4,978983E+08	3,702773E+08	3,702828E+08	4,979097E+08	7,181062E+08	9,680072E+08	1,180641E+09	1,302890E+09	1,302876E+09	1,180605E+09	9,679633E+08
-289	7,180622E+08	4,978689E+08	3,702491E+08	3,702504E+08	4,978758E+08	7,180774E+08	9,679873E+08	1,180630E+09	1,302894E+09	1,302902E+09	1,180649E+09	9,680092E+08
-288	7,180976E+08	4,978907E+08	3,702565E+08	3,702523E+08	4,978848E+08	7,180966E+08	9,680102E+08	1,180647E+09	1,302901E+09	1,302901E+09	1,180649E+09	9,680089E+08
-287	7,180813E+08	4,978611E+08	3,702282E+08	3,702268E+08	4,978575E+08	7,180735E+08	9,680035E+08	1,180660E+09	1,302923E+09	1,302911E+09	1,180633E+09	9,679802E+08
-286	7,180637E+08	4,978553E+08	3,702253E+08	3,702206E+08	4,978466E+08	7,180567E+08	9,679821E+08	1,180644E+09	1,302924E+09	1,302933E+09	1,180668E+09	9,680197E+08
-285	7,181004E+08	4,978782E+08	3,702354E+08	3,702355E+08	4,978762E+08	7,180907E+08	9,680025E+08	1,180645E+09	1,302910E+09	1,302911E+09	1,180643E+09	9,679838E+08
-284	7,180578E+08	4,978481E+08	3,702189E+08	3,702196E+08	4,978546E+08	7,180701E+08	9,679906E+08	1,180639E+09	1,302906E+09	1,302906E+09	1,180641E+09	9,679920E+08
-283	7,180713E+08	4,978644E+08	3,702385E+08	3,702373E+08	4,978691E+08	7,180817E+08	9,679968E+08	1,180636E+09	1,302896E+09	1,302901E+09	1,180652E+09	9,680217E+08
-282	7,181031E+08	4,978790E+08	3,702453E+08	3,702515E+08	4,978897E+08	7,181031E+08	9,680203E+08	1,180660E+09	1,302901E+09	1,302876E+09	1,180601E+09	9,679612E+08
-281	7,180608E+08	4,978660E+08	3,702448E+08	3,702465E+08	4,978721E+08	7,180747E+08	9,679878E+08	1,180632E+09	1,302890E+09	1,302886E+09	1,180623E+09	9,679887E+08
-280	7,180949E+08	4,979099E+08	3,702888E+08	3,702835E+08	4,979029E+08	7,180949E+08	9,679905E+08	1,180617E+09	1,302868E+09	1,302870E+09	1,180623E+09	9,679997E+08
-279	7,181005E+08	4,979083E+08	3,702944E+08	3,702989E+08	4,979172E+08	7,181004E+08	9,679875E+08	1,180611E+09	1,302860E+09	1,302854E+09	1,180592E+09	9,679608E+08
-278	7,180791E+08	4,979095E+08	3,703066E+08	3,703086E+08	4,979176E+08	7,180887E+08	9,679623E+08	1,180576E+09	1,302832E+09	1,302849E+09	1,180615E+09	9,680079E+08
-277	7,181329E+08	4,979539E+08	3,703370E+08	3,703381E+08	4,979567E+08	7,181302E+08	9,679893E+08	1,180578E+09	1,302804E+09	1,302806E+09	1,180579E+09	9,679790E+08
-276	7,181065E+08	4,979372E+08	3,703324E+08	3,703331E+08	4,979399E+08	7,181094E+08	9,679811E+08	1,180584E+09	1,302810E+09	1,302797E+09	1,180557E+09	9,679638E+08
-275	7,181074E+08	4,979485E+08	3,703468E+08	3,703416E+08	4,979400E+08	7,181013E+08	9,679684E+08	1,180574E+09	1,302813E+09	1,302815E+09	1,180584E+09	9,679955E+08
-274	7,181383E+08	4,979656E+08	3,703531E+08	3,703541E+08	4,979634E+08	7,181294E+08	9,679961E+08	1,180599E+09	1,302825E+09	1,302808E+09	1,180554E+09	9,679424E+08
-273	7,180814E+08	4,979275E+08	3,703284E+08	3,703287E+08	4,979334E+08	7,181008E+08	9,679728E+08	1,180586E+09	1,302833E+09	1,302835E+09	1,180589E+09	9,679727E+08
-272	7,180993E+08	4,979377E+08	3,703345E+08	3,703309E+08	4,979383E+08	7,181110E+08	9,679824E+08	1,180588E+09	1,302831E+09	1,302841E+09	1,180611E+09	9,680041E+08
-271	7,181162E+08	4,979246E+08	3,703111E+08	3,703167E+08	4,979349E+08	7,181166E+08	9,680001E+08	1,180615E+09	1,302856E+09	1,302849E+09	1,180589E+09	9,679600E+08
-270	7,180763E+08	4,978962E+08	3,702824E+08	3,702814E+08	4,978957E+08	7,180808E+08	9,679736E+08	1,180604E+09	1,302864E+09	1,302872E+09	1,180626E+09	9,680044E+08
-269	7,181156E+08	4,979234E+08	3,702937E+08	3,702867E+08	4,979092E+08	7,181030E+08	9,679926E+08	1,180612E+09	1,302857E+09	1,302859E+09	1,180615E+09	9,679922E+08
-268	7,180917E+08	4,978958E+08	3,702751E+08	3,702724E+08	4,978883E+08	7,180801E+08	9,679851E+08	1,180624E+09	1,302878E+09	1,302867E+09	1,180600E+09	9,679676E+08
-267	7,180725E+08	4,978824E+08	3,702676E+08	3,702664E+08	4,978819E+08	7,180684E+08	9,679631E+08	1,180600E+09	1,302871E+09	1,302887E+09	1,180639E+09	9,680104E+08
-266	7,181127E+08	4,979087E+08	3,702784E+08	3,702809E+08	4,979122E+08	7,181109E+08	9,680032E+08	1,180622E+09	1,302862E+09	1,302859E+09	1,180604E+09	9,679672E+08
-265	7,180656E+08	4,978759E+08	3,702591E+08	3,702621E+08	4,978887E+08	7,180911E+08	9,679944E+08	1,180621E+09	1,302866E+09	1,302859E+09	1,180605E+09	9,679761E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-264	7,180799E+08	4,978949E+08	3,702814E+08	3,702784E+08	4,978961E+08	7,180896E+08	9,679871E+08	1,180611E+09	1,302856E+09	1,302854E+09	1,180612E+09	9,680041E+08
-263	7,181170E+08	4,979172E+08	3,702948E+08	3,702987E+08	4,979207E+08	7,181093E+08	9,680017E+08	1,180624E+09	1,302865E+09	1,302848E+09	1,180577E+09	9,679470E+08
-262	7,180710E+08	4,979011E+08	3,702946E+08	3,702967E+08	4,979070E+08	7,180818E+08	9,679652E+08	1,180592E+09	1,302850E+09	1,302854E+09	1,180604E+09	9,679846E+08
-261	7,181127E+08	4,979475E+08	3,703372E+08	3,703336E+08	4,979443E+08	7,181133E+08	9,679730E+08	1,180568E+09	1,302806E+09	1,302817E+09	1,180592E+09	9,679911E+08
-260	7,181169E+08	4,979478E+08	3,703473E+08	3,703516E+08	4,979569E+08	7,181189E+08	9,679801E+08	1,180575E+09	1,302802E+09	1,302794E+09	1,180552E+09	9,679539E+08
-259	7,180982E+08	4,979451E+08	3,703540E+08	3,703567E+08	4,979531E+08	7,181028E+08	9,679525E+08	1,180544E+09	1,302781E+09	1,302793E+09	1,180574E+09	9,679954E+08
-258	7,181519E+08	4,979940E+08	3,703860E+08	3,703844E+08	4,979881E+08	7,181428E+08	9,679870E+08	1,180561E+09	1,302769E+09	1,302759E+09	1,180534E+09	9,679531E+08
-257	7,181115E+08	4,979696E+08	3,703788E+08	3,703792E+08	4,979724E+08	7,181225E+08	9,679757E+08	1,180564E+09	1,302782E+09	1,302766E+09	1,180527E+09	9,679434E+08
-256	7,181082E+08	4,979755E+08	3,703903E+08	3,703864E+08	4,979710E+08	7,181079E+08	9,679505E+08	1,180541E+09	1,302776E+09	1,302782E+09	1,180560E+09	9,679832E+08
-255	7,181450E+08	4,979930E+08	3,703933E+08	3,703971E+08	4,979973E+08	7,181422E+08	9,679796E+08	1,180558E+09	1,302784E+09	1,302785E+09	1,180544E+09	9,679405E+08
-254	7,180908E+08	4,979510E+08	3,703628E+08	3,703651E+08	4,979615E+08	7,181132E+08	9,679643E+08	1,180555E+09	1,302791E+09	1,302801E+09	1,180574E+09	9,679774E+08
-253	7,181198E+08	4,979670E+08	3,703668E+08	3,703625E+08	4,979630E+08	7,181215E+08	9,679728E+08	1,180556E+09	1,302781E+09	1,302789E+09	1,180575E+09	9,679941E+08
-252	7,181324E+08	4,979597E+08	3,703521E+08	3,703530E+08	4,979564E+08	7,181200E+08	9,679878E+08	1,180589E+09	1,302816E+09	1,302799E+09	1,180550E+09	9,679474E+08
-251	7,180897E+08	4,979277E+08	3,703237E+08	3,703214E+08	4,979210E+08	7,180824E+08	9,679526E+08	1,180569E+09	1,302823E+09	1,302833E+09	1,180594E+09	9,679890E+08
-250	7,181262E+08	4,979562E+08	3,703377E+08	3,703311E+08	4,979403E+08	7,181124E+08	9,679813E+08	1,180584E+09	1,302818E+09	1,302819E+09	1,180582E+09	9,679712E+08
-249	7,180921E+08	4,979202E+08	3,703151E+08	3,703172E+08	4,979264E+08	7,181028E+08	9,679841E+08	1,180598E+09	1,302837E+09	1,302827E+09	1,180574E+09	9,679543E+08
-248	7,180749E+08	4,979051E+08	3,703050E+08	3,703069E+08	4,979140E+08	7,180852E+08	9,679610E+08	1,180575E+09	1,302826E+09	1,302838E+09	1,180605E+09	9,679981E+08
-247	7,181236E+08	4,979380E+08	3,703175E+08	3,703214E+08	4,979436E+08	7,181260E+08	9,679994E+08	1,180598E+09	1,302829E+09	1,302827E+09	1,180578E+09	9,679558E+08
-246	7,180774E+08	4,979070E+08	3,702996E+08	3,703012E+08	4,979152E+08	7,180994E+08	9,679860E+08	1,180600E+09	1,302839E+09	1,302830E+09	1,180580E+09	9,679680E+08
-245	7,180964E+08	4,979315E+08	3,703255E+08	3,703211E+08	4,979256E+08	7,180959E+08	9,679687E+08	1,180575E+09	1,302813E+09	1,302814E+09	1,180582E+09	9,679898E+08
-244	7,181292E+08	4,979573E+08	3,703489E+08	3,703516E+08	4,979567E+08	7,181164E+08	9,679796E+08	1,180583E+09	1,302816E+09	1,302803E+09	1,180550E+09	9,679422E+08
-243	7,180869E+08	4,979367E+08	3,703452E+08	3,703498E+08	4,979473E+08	7,180946E+08	9,679423E+08	1,180540E+09	1,302788E+09	1,302803E+09	1,180575E+09	9,679812E+08
-242	7,181335E+08	4,979875E+08	3,703883E+08	3,703852E+08	4,979825E+08	7,181313E+08	9,679688E+08	1,180536E+09	1,302747E+09	1,302755E+09	1,180549E+09	9,679763E+08
-241	7,181306E+08	4,979843E+08	3,703961E+08	3,704014E+08	4,979952E+08	7,181386E+08	9,679788E+08	1,180550E+09	1,302754E+09	1,302736E+09	1,180508E+09	9,679352E+08
-240	7,181083E+08	4,979810E+08	3,704022E+08	3,704024E+08	4,979834E+08	7,181110E+08	9,679405E+08	1,180515E+09	1,302737E+09	1,302741E+09	1,180529E+09	9,679726E+08
-239	7,181610E+08	4,980309E+08	3,704360E+08	3,704335E+08	4,980222E+08	7,181521E+08	9,679705E+08	1,180527E+09	1,302736E+09	1,302733E+09	1,180509E+09	9,679360E+08
-238	7,181164E+08	4,979992E+08	3,704228E+08	3,704250E+08	4,980066E+08	7,181335E+08	9,679609E+08	1,180532E+09	1,302748E+09	1,302739E+09	1,180511E+09	9,679379E+08
-237	7,181186E+08	4,980028E+08	3,704271E+08	3,704267E+08	4,980061E+08	7,181254E+08	9,679404E+08	1,180504E+09	1,302727E+09	1,302740E+09	1,180536E+09	9,679770E+08
-236	7,181564E+08	4,980225E+08	3,704334E+08	3,704376E+08	4,980277E+08	7,181562E+08	9,679753E+08	1,180533E+09	1,302741E+09	1,302736E+09	1,180516E+09	9,679403E+08
-235	7,181079E+08	4,979786E+08	3,703975E+08	3,703999E+08	4,979860E+08	7,181196E+08	9,679526E+08	1,180528E+09	1,302752E+09	1,302758E+09	1,180543E+09	9,679709E+08
-234	7,181378E+08	4,980013E+08	3,704059E+08	3,703974E+08	4,979833E+08	7,181258E+08	9,679672E+08	1,180539E+09	1,302749E+09	1,302749E+09	1,180540E+09	9,679745E+08
-233	7,181376E+08	4,979885E+08	3,703924E+08	3,703927E+08	4,979829E+08	7,181264E+08	9,679765E+08	1,180565E+09	1,302784E+09	1,302767E+09	1,180523E+09	9,679296E+08
-232	7,180904E+08	4,979528E+08	3,703630E+08	3,703621E+08	4,979503E+08	7,180886E+08	9,679336E+08	1,180533E+09	1,302780E+09	1,302793E+09	1,180566E+09	9,679755E+08
-231	7,181312E+08	4,979823E+08	3,703767E+08	3,703735E+08	4,979757E+08	7,181289E+08	9,679689E+08	1,180544E+09	1,302774E+09	1,302787E+09	1,180562E+09	9,679636E+08
-230	7,181003E+08	4,979446E+08	3,703501E+08	3,703548E+08	4,979574E+08	7,181197E+08	9,679826E+08	1,180574E+09	1,302796E+09	1,302786E+09	1,180548E+09	9,679506E+08
-229	7,180920E+08	4,979358E+08	3,703402E+08	3,703430E+08	4,979428E+08	7,180978E+08	9,679552E+08	1,180550E+09	1,302782E+09	1,302787E+09	1,180565E+09	9,679834E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-228	7,181369E+08	4,979758E+08	3,703647E+08	3,703648E+08	4,979708E+08	7,181310E+08	9,679871E+08	1,180574E+09	1,302793E+09	1,302780E+09	1,180541E+09	9,679448E+08
-227	7,180914E+08	4,979430E+08	3,703487E+08	3,703498E+08	4,979469E+08	7,181020E+08	9,679619E+08	1,180562E+09	1,302797E+09	1,302793E+09	1,180554E+09	9,679576E+08
-226	7,181116E+08	4,979719E+08	3,703788E+08	3,703737E+08	4,979620E+08	7,181067E+08	9,679544E+08	1,180539E+09	1,302764E+09	1,302770E+09	1,180552E+09	9,679759E+08
-225	7,181367E+08	4,979910E+08	3,703992E+08	3,704053E+08	4,980001E+08	7,181387E+08	9,679731E+08	1,180547E+09	1,302763E+09	1,302754E+09	1,180520E+09	9,679329E+08
-224	7,180978E+08	4,979709E+08	3,703936E+08	3,703997E+08	4,979859E+08	7,181121E+08	9,679348E+08	1,180505E+09	1,302731E+09	1,302742E+09	1,180533E+09	9,679693E+08
-223	7,181504E+08	4,980255E+08	3,704367E+08	3,704339E+08	4,980199E+08	7,181470E+08	9,679582E+08	1,180503E+09	1,302705E+09	1,302712E+09	1,180512E+09	9,679606E+08
-222	7,181433E+08	4,980203E+08	3,704428E+08	3,704469E+08	4,980277E+08	7,181505E+08	9,679708E+08	1,180525E+09	1,302719E+09	1,302698E+09	1,180476E+09	9,679220E+08
-221	7,181215E+08	4,980168E+08	3,704479E+08	3,704488E+08	4,980174E+08	7,181197E+08	9,679240E+08	1,180481E+09	1,302694E+09	1,302699E+09	1,180496E+09	9,679546E+08
-220	7,181663E+08	4,980642E+08	3,704850E+08	3,704831E+08	4,980581E+08	7,181625E+08	9,679541E+08	1,180492E+09	1,302692E+09	1,302689E+09	1,180484E+09	9,679323E+08
-219	7,181278E+08	4,980273E+08	3,704643E+08	3,704692E+08	4,980415E+08	7,181471E+08	9,679465E+08	1,180493E+09	1,302699E+09	1,302699E+09	1,180489E+09	9,679374E+08
-218	7,181366E+08	4,980353E+08	3,704669E+08	3,704647E+08	4,980327E+08	7,181381E+08	9,679402E+08	1,180482E+09	1,302681E+09	1,302690E+09	1,180501E+09	9,679658E+08
-217	7,181678E+08	4,980522E+08	3,704713E+08	3,704742E+08	4,980538E+08	7,181667E+08	9,679710E+08	1,180515E+09	1,302706E+09	1,302692E+09	1,180481E+09	9,679256E+08
-216	7,181174E+08	4,980097E+08	3,704371E+08	3,704355E+08	4,980074E+08	7,181198E+08	9,679347E+08	1,180499E+09	1,302715E+09	1,302715E+09	1,180505E+09	9,679526E+08
-215	7,181459E+08	4,980324E+08	3,704480E+08	3,704390E+08	4,980121E+08	7,181293E+08	9,679437E+08	1,180502E+09	1,302717E+09	1,302725E+09	1,180517E+09	9,679601E+08
-214	7,181413E+08	4,980133E+08	3,704302E+08	3,704330E+08	4,980153E+08	7,181388E+08	9,679641E+08	1,180533E+09	1,302747E+09	1,302737E+09	1,180505E+09	9,679245E+08
-213	7,180993E+08	4,979770E+08	3,703968E+08	3,704001E+08	4,979842E+08	7,181066E+08	9,679281E+08	1,180501E+09	1,302732E+09	1,302748E+09	1,180537E+09	9,679651E+08
-212	7,181385E+08	4,980094E+08	3,704157E+08	3,704134E+08	4,980069E+08	7,181451E+08	9,679692E+08	1,180527E+09	1,302735E+09	1,302737E+09	1,180529E+09	9,679592E+08
-211	7,181150E+08	4,979735E+08	3,703874E+08	3,703920E+08	4,979852E+08	7,181297E+08	9,679744E+08	1,180553E+09	1,302764E+09	1,302748E+09	1,180517E+09	9,679408E+08
-210	7,181081E+08	4,979722E+08	3,703841E+08	3,703822E+08	4,979669E+08	7,181048E+08	9,679505E+08	1,180532E+09	1,302752E+09	1,302750E+09	1,180532E+09	9,679654E+08
-209	7,181434E+08	4,980085E+08	3,704121E+08	3,704124E+08	4,980039E+08	7,181390E+08	9,679721E+08	1,180545E+09	1,302758E+09	1,302747E+09	1,180517E+09	9,679325E+08
-208	7,180985E+08	4,979755E+08	3,703966E+08	3,703989E+08	4,979830E+08	7,181097E+08	9,679370E+08	1,180515E+09	1,302743E+09	1,302746E+09	1,180525E+09	9,679506E+08
-207	7,181254E+08	4,980074E+08	3,704284E+08	3,704256E+08	4,980038E+08	7,181236E+08	9,679351E+08	1,180489E+09	1,302708E+09	1,302726E+09	1,180526E+09	9,679717E+08
-206	7,181533E+08	4,980260E+08	3,704453E+08	3,704520E+08	4,980367E+08	7,181559E+08	9,679663E+08	1,180512E+09	1,302707E+09	1,302697E+09	1,180484E+09	9,679259E+08
-205	7,181183E+08	4,980099E+08	3,704395E+08	3,704451E+08	4,980205E+08	7,181251E+08	9,679248E+08	1,180473E+09	1,302677E+09	1,302678E+09	1,180482E+09	9,679475E+08
-204	7,181627E+08	4,980672E+08	3,704910E+08	3,704848E+08	4,980543E+08	7,181566E+08	9,679458E+08	1,180475E+09	1,302662E+09	1,302657E+09	1,180467E+09	9,679436E+08
-203	7,181546E+08	4,980564E+08	3,704936E+08	3,704980E+08	4,980643E+08	7,181589E+08	9,679509E+08	1,180490E+09	1,302679E+09	1,302660E+09	1,180446E+09	9,679079E+08
-202	7,181326E+08	4,980530E+08	3,704973E+08	3,704974E+08	4,980534E+08	7,181361E+08	9,679188E+08	1,180452E+09	1,302651E+09	1,302658E+09	1,180468E+09	9,679411E+08
-201	7,181707E+08	4,980916E+08	3,705288E+08	3,705298E+08	4,980958E+08	7,181825E+08	9,679519E+08	1,180467E+09	1,302650E+09	1,302649E+09	1,180459E+09	9,679250E+08
-200	7,181379E+08	4,980556E+08	3,705037E+08	3,705085E+08	4,980701E+08	7,181572E+08	9,679371E+08	1,180466E+09	1,302657E+09	1,302653E+09	1,180457E+09	9,679298E+08
-199	7,181521E+08	4,980676E+08	3,705067E+08	3,705028E+08	4,980597E+08	7,181447E+08	9,679236E+08	1,180453E+09	1,302653E+09	1,302662E+09	1,180475E+09	9,679551E+08
-198	7,181793E+08	4,980821E+08	3,705094E+08	3,705090E+08	4,980763E+08	7,181702E+08	9,679570E+08	1,180489E+09	1,302677E+09	1,302664E+09	1,180457E+09	9,679159E+08
-197	7,181287E+08	4,980389E+08	3,704754E+08	3,704745E+08	4,980358E+08	7,181240E+08	9,679140E+08	1,180463E+09	1,302673E+09	1,302676E+09	1,180476E+09	9,679380E+08
-196	7,181509E+08	4,980602E+08	3,704898E+08	3,704826E+08	4,980463E+08	7,181416E+08	9,679283E+08	1,180466E+09	1,302670E+09	1,302679E+09	1,180491E+09	9,679571E+08
-195	7,181514E+08	4,980373E+08	3,704665E+08	3,704727E+08	4,980494E+08	7,181559E+08	9,679557E+08	1,180500E+09	1,302700E+09	1,302694E+09	1,180479E+09	9,679211E+08
-194	7,181154E+08	4,980073E+08	3,704346E+08	3,704358E+08	4,980109E+08	7,181238E+08	9,679351E+08	1,180486E+09	1,302691E+09	1,302698E+09	1,180499E+09	9,679499E+08
-193	7,181458E+08	4,980365E+08	3,704543E+08	3,704512E+08	4,980345E+08	7,181576E+08	9,679681E+08	1,180513E+09	1,302707E+09	1,302698E+09	1,180493E+09	9,679413E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-192	7,181233E+08	4,980059E+08	3,704304E+08	3,704316E+08	4,980103E+08	7,181322E+08	9,679568E+08	1,180524E+09	1,302731E+09	1,302712E+09	1,180484E+09	9,679251E+08
-191	7,181183E+08	4,980065E+08	3,704315E+08	3,704293E+08	4,980000E+08	7,181091E+08	9,679223E+08	1,180490E+09	1,302717E+09	1,302725E+09	1,180510E+09	9,679551E+08
-190	7,181527E+08	4,980389E+08	3,704567E+08	3,704584E+08	4,980400E+08	7,181525E+08	9,679562E+08	1,180506E+09	1,302711E+09	1,302709E+09	1,180496E+09	9,679313E+08
-189	7,181153E+08	4,980084E+08	3,704412E+08	3,704468E+08	4,980224E+08	7,181268E+08	9,679251E+08	1,180473E+09	1,302681E+09	1,302686E+09	1,180487E+09	9,679410E+08
-188	7,181410E+08	4,980445E+08	3,704778E+08	3,704750E+08	4,980416E+08	7,181404E+08	9,679283E+08	1,180459E+09	1,302653E+09	1,302661E+09	1,180482E+09	9,679638E+08
-187	7,181724E+08	4,980639E+08	3,704936E+08	3,704991E+08	4,980719E+08	7,181696E+08	9,679560E+08	1,180483E+09	1,302664E+09	1,302648E+09	1,180442E+09	9,679100E+08
-186	7,181352E+08	4,980526E+08	3,704929E+08	3,704927E+08	4,980511E+08	7,181370E+08	9,679210E+08	1,180450E+09	1,302638E+09	1,302633E+09	1,180440E+09	9,679221E+08
-185	7,181647E+08	4,980997E+08	3,705428E+08	3,705380E+08	4,980932E+08	7,181696E+08	9,679336E+08	1,180447E+09	1,302627E+09	1,302622E+09	1,180437E+09	9,679248E+08
-184	7,181592E+08	4,980880E+08	3,705413E+08	3,705473E+08	4,981022E+08	7,181714E+08	9,679315E+08	1,180448E+09	1,302632E+09	1,302619E+09	1,180420E+09	9,679004E+08
-183	7,181448E+08	4,980845E+08	3,705420E+08	3,705440E+08	4,980906E+08	7,181514E+08	9,679026E+08	1,180413E+09	1,302608E+09	1,302624E+09	1,180446E+09	9,679387E+08
-182	7,181864E+08	4,981211E+08	3,705675E+08	3,705678E+08	4,981242E+08	7,181945E+08	9,679457E+08	1,180441E+09	1,302609E+09	1,302606E+09	1,180432E+09	9,679234E+08
-181	7,181587E+08	4,980891E+08	3,705431E+08	3,705461E+08	4,980955E+08	7,181612E+08	9,679209E+08	1,180434E+09	1,302612E+09	1,302603E+09	1,180418E+09	9,679145E+08
-180	7,181648E+08	4,981030E+08	3,705528E+08	3,705455E+08	4,980869E+08	7,181484E+08	9,679049E+08	1,180420E+09	1,302610E+09	1,302617E+09	1,180442E+09	9,679443E+08
-179	7,181900E+08	4,981121E+08	3,705517E+08	3,705517E+08	4,981079E+08	7,181778E+08	9,679363E+08	1,180451E+09	1,302635E+09	1,302630E+09	1,180433E+09	9,679048E+08
-178	7,181380E+08	4,980686E+08	3,705165E+08	3,705147E+08	4,980679E+08	7,181439E+08	9,679144E+08	1,180436E+09	1,302629E+09	1,302634E+09	1,180446E+09	9,679226E+08
-177	7,181523E+08	4,980808E+08	3,705263E+08	3,705230E+08	4,980815E+08	7,181648E+08	9,679342E+08	1,180450E+09	1,302635E+09	1,302639E+09	1,180459E+09	9,679432E+08
-176	7,181591E+08	4,980615E+08	3,705000E+08	3,705066E+08	4,980755E+08	7,181681E+08	9,679521E+08	1,180482E+09	1,302667E+09	1,302652E+09	1,180445E+09	9,679093E+08
-175	7,181276E+08	4,980363E+08	3,704720E+08	3,704713E+08	4,980360E+08	7,181309E+08	9,679221E+08	1,180465E+09	1,302672E+09	1,302676E+09	1,180474E+09	9,679381E+08
-174	7,181558E+08	4,980645E+08	3,704925E+08	3,704863E+08	4,980561E+08	7,181599E+08	9,679536E+08	1,180489E+09	1,302680E+09	1,302673E+09	1,180474E+09	9,679340E+08
-173	7,181357E+08	4,980356E+08	3,704719E+08	3,704741E+08	4,980394E+08	7,181335E+08	9,679298E+08	1,180480E+09	1,302684E+09	1,302673E+09	1,180458E+09	9,679154E+08
-172	7,181293E+08	4,980399E+08	3,704798E+08	3,704786E+08	4,980379E+08	7,181218E+08	9,679010E+08	1,180442E+09	1,302656E+09	1,302672E+09	1,180484E+09	9,679558E+08
-171	7,181712E+08	4,980728E+08	3,705026E+08	3,705052E+08	4,980770E+08	7,181682E+08	9,679415E+08	1,180461E+09	1,302650E+09	1,302653E+09	1,180461E+09	9,679257E+08
-170	7,181382E+08	4,980500E+08	3,704913E+08	3,704929E+08	4,980558E+08	7,181459E+08	9,679268E+08	1,180446E+09	1,302626E+09	1,302621E+09	1,180435E+09	9,679191E+08
-169	7,181522E+08	4,980820E+08	3,705299E+08	3,705259E+08	4,980788E+08	7,181562E+08	9,679234E+08	1,180436E+09	1,302613E+09	1,302608E+09	1,180431E+09	9,679353E+08
-168	7,181807E+08	4,981027E+08	3,705467E+08	3,705502E+08	4,981069E+08	7,181781E+08	9,679381E+08	1,180449E+09	1,302622E+09	1,302603E+09	1,180402E+09	9,678878E+08
-167	7,181428E+08	4,980889E+08	3,705467E+08	3,705478E+08	4,980924E+08	7,181494E+08	9,678989E+08	1,180412E+09	1,302605E+09	1,302607E+09	1,180418E+09	9,679093E+08
-166	7,181710E+08	4,981281E+08	3,705878E+08	3,705857E+08	4,981317E+08	7,181884E+08	9,679254E+08	1,180415E+09	1,302586E+09	1,302589E+09	1,180420E+09	9,679234E+08
-165	7,181742E+08	4,981178E+08	3,705837E+08	3,705928E+08	4,981379E+08	7,181864E+08	9,679217E+08	1,180413E+09	1,302581E+09	1,302572E+09	1,180390E+09	9,678954E+08
-164	7,181626E+08	4,981193E+08	3,705867E+08	3,705879E+08	4,981230E+08	7,181639E+08	9,678928E+08	1,180384E+09	1,302561E+09	1,302571E+09	1,180415E+09	9,679365E+08
-163	7,182067E+08	4,981562E+08	3,706097E+08	3,706071E+08	4,981507E+08	7,182011E+08	9,679308E+08	1,180411E+09	1,302570E+09	1,302567E+09	1,180401E+09	9,679135E+08
-162	7,181768E+08	4,981278E+08	3,705897E+08	3,705868E+08	4,981205E+08	7,181694E+08	9,679131E+08	1,180406E+09	1,302571E+09	1,302561E+09	1,180382E+09	9,678937E+08
-161	7,181675E+08	4,981300E+08	3,705962E+08	3,705911E+08	4,981214E+08	7,181608E+08	9,678927E+08	1,180390E+09	1,302572E+09	1,302580E+09	1,180412E+09	9,679254E+08
-160	7,181937E+08	4,981377E+08	3,705900E+08	3,705923E+08	4,981410E+08	7,181931E+08	9,679239E+08	1,180414E+09	1,302589E+09	1,302589E+09	1,180406E+09	9,678955E+08
-159	7,181473E+08	4,980940E+08	3,705528E+08	3,705528E+08	4,980987E+08	7,181594E+08	9,679064E+08	1,180410E+09	1,302595E+09	1,302600E+09	1,180420E+09	9,679134E+08
-158	7,181614E+08	4,981024E+08	3,705564E+08	3,705531E+08	4,981038E+08	7,181764E+08	9,679343E+08	1,180437E+09	1,302608E+09	1,302605E+09	1,180432E+09	9,679345E+08
-157	7,181728E+08	4,980892E+08	3,705351E+08	3,705403E+08	4,980963E+08	7,181695E+08	9,679370E+08	1,180456E+09	1,302634E+09	1,302614E+09	1,180411E+09	9,678936E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-156	7,181381E+08	4,980686E+08	3,705153E+08	3,705124E+08	4,980614E+08	7,181321E+08	9,679004E+08	1,180431E+09	1,302632E+09	1,302638E+09	1,180450E+09	9,679315E+08
-155	7,181684E+08	4,980959E+08	3,705357E+08	3,705298E+08	4,980867E+08	7,181655E+08	9,679294E+08	1,180445E+09	1,302634E+09	1,302640E+09	1,180454E+09	9,679297E+08
-154	7,181521E+08	4,980715E+08	3,705190E+08	3,705193E+08	4,980735E+08	7,181523E+08	9,679239E+08	1,180441E+09	1,302626E+09	1,302621E+09	1,180425E+09	9,679030E+08
-153	7,181384E+08	4,980703E+08	3,705265E+08	3,705285E+08	4,980783E+08	7,181443E+08	9,679000E+08	1,180414E+09	1,302606E+09	1,302617E+09	1,180442E+09	9,679384E+08
-152	7,181849E+08	4,981085E+08	3,705484E+08	3,705509E+08	4,981121E+08	7,181843E+08	9,679334E+08	1,180431E+09	1,302603E+09	1,302598E+09	1,180416E+09	9,679074E+08
-151	7,181522E+08	4,980884E+08	3,705416E+08	3,705417E+08	4,980912E+08	7,181587E+08	9,679138E+08	1,180420E+09	1,302598E+09	1,302586E+09	1,180398E+09	9,678978E+08
-150	7,181595E+08	4,981140E+08	3,705770E+08	3,705732E+08	4,981120E+08	7,181675E+08	9,679139E+08	1,180412E+09	1,302582E+09	1,302577E+09	1,180405E+09	9,679209E+08
-149	7,181893E+08	4,981341E+08	3,705948E+08	3,706019E+08	4,981447E+08	7,181871E+08	9,679165E+08	1,180407E+09	1,302575E+09	1,302563E+09	1,180376E+09	9,678783E+08
-148	7,181539E+08	4,981226E+08	3,705964E+08	3,705999E+08	4,981331E+08	7,181668E+08	9,678843E+08	1,180368E+09	1,302546E+09	1,302558E+09	1,180397E+09	9,679134E+08
-147	7,181913E+08	4,981624E+08	3,706324E+08	3,706306E+08	4,981653E+08	7,182029E+08	9,679144E+08	1,180377E+09	1,302532E+09	1,302540E+09	1,180392E+09	9,679229E+08
-146	7,181997E+08	4,981595E+08	3,706308E+08	3,706344E+08	4,981658E+08	7,182004E+08	9,679192E+08	1,180385E+09	1,302530E+09	1,302514E+09	1,180347E+09	9,678791E+08
-145	7,181765E+08	4,981567E+08	3,706355E+08	3,706344E+08	4,981548E+08	7,181741E+08	9,678822E+08	1,180357E+09	1,302522E+09	1,302525E+09	1,180370E+09	9,679123E+08
-144	7,182171E+08	4,981925E+08	3,706562E+08	3,706515E+08	4,981796E+08	7,182046E+08	9,679079E+08	1,180372E+09	1,302527E+09	1,302525E+09	1,180365E+09	9,678939E+08
-143	7,181832E+08	4,981589E+08	3,706350E+08	3,706340E+08	4,981565E+08	7,181807E+08	9,678939E+08	1,180372E+09	1,302538E+09	1,302531E+09	1,180358E+09	9,678794E+08
-142	7,181700E+08	4,981510E+08	3,706312E+08	3,706297E+08	4,981537E+08	7,181798E+08	9,678921E+08	1,180368E+09	1,302536E+09	1,302546E+09	1,180390E+09	9,679177E+08
-141	7,182010E+08	4,981583E+08	3,706221E+08	3,706282E+08	4,981684E+08	7,182054E+08	9,679198E+08	1,180390E+09	1,302549E+09	1,302546E+09	1,180376E+09	9,678862E+08
-140	7,181588E+08	4,981210E+08	3,705879E+08	3,705878E+08	4,981241E+08	7,181705E+08	9,679019E+08	1,180390E+09	1,302561E+09	1,302562E+09	1,180396E+09	9,679094E+08
-139	7,181759E+08	4,981314E+08	3,705913E+08	3,705850E+08	4,981229E+08	7,181785E+08	9,679202E+08	1,180412E+09	1,302580E+09	1,302579E+09	1,180411E+09	9,679261E+08
-138	7,181877E+08	4,981240E+08	3,705776E+08	3,705775E+08	4,981181E+08	7,181738E+08	9,679242E+08	1,180426E+09	1,302596E+09	1,302579E+09	1,180385E+09	9,678784E+08
-137	7,181436E+08	4,980974E+08	3,705598E+08	3,705601E+08	4,980975E+08	7,181432E+08	9,678821E+08	1,180392E+09	1,302587E+09	1,302599E+09	1,180421E+09	9,679181E+08
-136	7,181787E+08	4,981271E+08	3,705784E+08	3,705750E+08	4,981222E+08	7,181794E+08	9,679117E+08	1,180398E+09	1,302574E+09	1,302588E+09	1,180423E+09	9,679226E+08
-135	7,181677E+08	4,981055E+08	3,705646E+08	3,705669E+08	4,981109E+08	7,181698E+08	9,679146E+08	1,180409E+09	1,302579E+09	1,302570E+09	1,180389E+09	9,678908E+08
-134	7,181514E+08	4,981018E+08	3,705685E+08	3,705707E+08	4,981100E+08	7,181610E+08	9,679006E+08	1,180395E+09	1,302567E+09	1,302568E+09	1,180401E+09	9,679205E+08
-133	7,181967E+08	4,981432E+08	3,705956E+08	3,705979E+08	4,981433E+08	7,181922E+08	9,679201E+08	1,180401E+09	1,302561E+09	1,302550E+09	1,180374E+09	9,678855E+08
-132	7,181619E+08	4,981261E+08	3,705942E+08	3,705947E+08	4,981285E+08	7,181696E+08	9,678975E+08	1,180385E+09	1,302552E+09	1,302544E+09	1,180371E+09	9,678870E+08
-131	7,181703E+08	4,981477E+08	3,706251E+08	3,706235E+08	4,981500E+08	7,181812E+08	9,678973E+08	1,180373E+09	1,302538E+09	1,302542E+09	1,180385E+09	9,679163E+08
-130	7,182057E+08	4,981722E+08	3,706448E+08	3,706506E+08	4,981820E+08	7,182088E+08	9,679142E+08	1,180373E+09	1,302521E+09	1,302512E+09	1,180346E+09	9,678703E+08
-129	7,181675E+08	4,981568E+08	3,706448E+08	3,706505E+08	4,981720E+08	7,181853E+08	9,678804E+08	1,180341E+09	1,302499E+09	1,302506E+09	1,180358E+09	9,679010E+08
-128	7,182104E+08	4,982015E+08	3,706786E+08	3,706747E+08	4,981956E+08	7,182116E+08	9,679000E+08	1,180344E+09	1,302486E+09	1,302491E+09	1,180355E+09	9,679099E+08
-127	7,182171E+08	4,982004E+08	3,706809E+08	3,706810E+08	4,981959E+08	7,182049E+08	9,678993E+08	1,180355E+09	1,302498E+09	1,302478E+09	1,180314E+09	9,678605E+08
-126	7,181831E+08	4,981871E+08	3,706788E+08	3,706776E+08	4,981844E+08	7,181814E+08	9,678685E+08	1,180329E+09	1,302487E+09	1,302492E+09	1,180344E+09	9,678969E+08
-125	7,182213E+08	4,982184E+08	3,706977E+08	3,706968E+08	4,982133E+08	7,182135E+08	9,678877E+08	1,180330E+09	1,302478E+09	1,302483E+09	1,180338E+09	9,678830E+08
-124	7,181904E+08	4,981851E+08	3,706742E+08	3,706768E+08	4,981916E+08	7,181986E+08	9,678861E+08	1,180336E+09	1,302485E+09	1,302486E+09	1,180337E+09	9,678785E+08
-123	7,181832E+08	4,981761E+08	3,706637E+08	3,706636E+08	4,981798E+08	7,181931E+08	9,678896E+08	1,180346E+09	1,302497E+09	1,302506E+09	1,180365E+09	9,679133E+08
-122	7,182178E+08	4,981910E+08	3,706590E+08	3,706601E+08	4,981895E+08	7,182163E+08	9,679193E+08	1,180372E+09	1,302512E+09	1,302501E+09	1,180340E+09	9,678701E+08
-121	7,181671E+08	4,981509E+08	3,706287E+08	3,706273E+08	4,981499E+08	7,181760E+08	9,678908E+08	1,180369E+09	1,302532E+09	1,302528E+09	1,180362E+09	9,678893E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-120	7,181845E+08	4,981631E+08	3,706321E+08	3,706249E+08	4,981485E+08	7,181793E+08	9,678959E+08	1,180373E+09	1,302540E+09	1,302546E+09	1,180387E+09	9,679143E+08
-119	7,181961E+08	4,981550E+08	3,706209E+08	3,706225E+08	4,981523E+08	7,181834E+08	9,679039E+08	1,180389E+09	1,302559E+09	1,302547E+09	1,180364E+09	9,678698E+08
-118	7,181500E+08	4,981217E+08	3,705970E+08	3,706011E+08	4,981321E+08	7,181635E+08	9,678812E+08	1,180365E+09	1,302542E+09	1,302555E+09	1,180395E+09	9,679115E+08
-117	7,181903E+08	4,981540E+08	3,706174E+08	3,706176E+08	4,981545E+08	7,181928E+08	9,679049E+08	1,180369E+09	1,302525E+09	1,302533E+09	1,180384E+09	9,679109E+08
-116	7,181824E+08	4,981399E+08	3,706086E+08	3,706114E+08	4,981448E+08	7,181854E+08	9,679102E+08	1,180384E+09	1,302534E+09	1,302521E+09	1,180355E+09	9,678801E+08
-115	7,181660E+08	4,981378E+08	3,706137E+08	3,706138E+08	4,981384E+08	7,181691E+08	9,678902E+08	1,180370E+09	1,302533E+09	1,302533E+09	1,180372E+09	9,679058E+08
-114	7,182084E+08	4,981821E+08	3,706465E+08	3,706455E+08	4,981755E+08	7,182034E+08	9,679086E+08	1,180369E+09	1,302517E+09	1,302509E+09	1,180343E+09	9,678689E+08
-113	7,181685E+08	4,981603E+08	3,706464E+08	3,706505E+08	4,981719E+08	7,181860E+08	9,678826E+08	1,180347E+09	1,302506E+09	1,302503E+09	1,180340E+09	9,678754E+08
-112	7,181850E+08	4,981845E+08	3,706729E+08	3,706724E+08	4,981869E+08	7,181945E+08	9,678796E+08	1,180326E+09	1,302478E+09	1,302491E+09	1,180355E+09	9,679119E+08
-111	7,182252E+08	4,982119E+08	3,706948E+08	3,707001E+08	4,982178E+08	7,182204E+08	9,679006E+08	1,180341E+09	1,302476E+09	1,302461E+09	1,180310E+09	9,678609E+08
-110	7,181844E+08	4,981940E+08	3,706914E+08	3,706955E+08	4,982035E+08	7,181966E+08	9,678724E+08	1,180315E+09	1,302457E+09	1,302456E+09	1,180318E+09	9,678858E+08
-109	7,182234E+08	4,982379E+08	3,707278E+08	3,707228E+08	4,982252E+08	7,182128E+08	9,678764E+08	1,180304E+09	1,302438E+09	1,302441E+09	1,180314E+09	9,678906E+08
-108	7,182266E+08	4,982364E+08	3,707313E+08	3,707325E+08	4,982337E+08	7,182161E+08	9,678806E+08	1,180313E+09	1,302445E+09	1,302435E+09	1,180289E+09	9,678501E+08
-107	7,181914E+08	4,982172E+08	3,707216E+08	3,707224E+08	4,982198E+08	7,181970E+08	9,678570E+08	1,180293E+09	1,302442E+09	1,302455E+09	1,180322E+09	9,678892E+08
-106	7,182305E+08	4,982481E+08	3,707381E+08	3,707367E+08	4,982463E+08	7,182365E+08	9,678915E+08	1,180306E+09	1,302432E+09	1,302434E+09	1,180306E+09	9,678717E+08
-105	7,181984E+08	4,982110E+08	3,707121E+08	3,707175E+08	4,982251E+08	7,182171E+08	9,678891E+08	1,180323E+09	1,302454E+09	1,302444E+09	1,180300E+09	9,678638E+08
-104	7,181960E+08	4,982055E+08	3,706977E+08	3,706960E+08	4,982023E+08	7,181994E+08	9,678802E+08	1,180325E+09	1,302468E+09	1,302472E+09	1,180336E+09	9,679018E+08
-103	7,182288E+08	4,982222E+08	3,706987E+08	3,706971E+08	4,982120E+08	7,182163E+08	9,679032E+08	1,180353E+09	1,302493E+09	1,302477E+09	1,180318E+09	9,678582E+08
-102	7,181719E+08	4,981754E+08	3,706649E+08	3,706644E+08	4,981756E+08	7,181806E+08	9,678761E+08	1,180342E+09	1,302501E+09	1,302501E+09	1,180345E+09	9,678816E+08
-101	7,181899E+08	4,981868E+08	3,706703E+08	3,706664E+08	4,981785E+08	7,181847E+08	9,678724E+08	1,180327E+09	1,302489E+09	1,302504E+09	1,180364E+09	9,679103E+08
-100	7,182084E+08	4,981841E+08	3,706609E+08	3,706650E+08	4,981872E+08	7,182005E+08	9,678945E+08	1,180348E+09	1,302497E+09	1,302495E+09	1,180339E+09	9,678694E+08
-99	7,181673E+08	4,981531E+08	3,706351E+08	3,706390E+08	4,981609E+08	7,181774E+08	9,678775E+08	1,180341E+09	1,302498E+09	1,302505E+09	1,180360E+09	9,679018E+08
-98	7,182077E+08	4,981928E+08	3,706627E+08	3,706578E+08	4,981829E+08	7,182071E+08	9,679022E+08	1,180347E+09	1,302483E+09	1,302478E+09	1,180337E+09	9,678885E+08
-97	7,181916E+08	4,981766E+08	3,706591E+08	3,706615E+08	4,981802E+08	7,181955E+08	9,678987E+08	1,180359E+09	1,302499E+09	1,302478E+09	1,180310E+09	9,678552E+08
-96	7,181746E+08	4,981743E+08	3,706627E+08	3,706633E+08	4,981739E+08	7,181768E+08	9,678687E+08	1,180331E+09	1,302489E+09	1,302495E+09	1,180345E+09	9,678932E+08
-95	7,182169E+08	4,982174E+08	3,706980E+08	3,706988E+08	4,982160E+08	7,182163E+08	9,678916E+08	1,180334E+09	1,302476E+09	1,302470E+09	1,180319E+09	9,678613E+08
-94	7,181775E+08	4,981900E+08	3,706912E+08	3,706983E+08	4,982101E+08	7,182053E+08	9,678792E+08	1,180319E+09	1,302459E+09	1,302457E+09	1,180313E+09	9,678704E+08
-93	7,181998E+08	4,982179E+08	3,707194E+08	3,707202E+08	4,982209E+08	7,182042E+08	9,678648E+08	1,180291E+09	1,302426E+09	1,302437E+09	1,180318E+09	9,679034E+08
-92	7,182445E+08	4,982524E+08	3,707445E+08	3,707478E+08	4,982522E+08	7,182321E+08	9,678868E+08	1,180304E+09	1,302423E+09	1,302412E+09	1,180277E+09	9,678515E+08
-91	7,182015E+08	4,982336E+08	3,707405E+08	3,707414E+08	4,982336E+08	7,182032E+08	9,678566E+08	1,180283E+09	1,302416E+09	1,302415E+09	1,180287E+09	9,678722E+08
-90	7,182356E+08	4,982758E+08	3,707781E+08	3,707712E+08	4,982608E+08	7,182258E+08	9,678612E+08	1,180265E+09	1,302387E+09	1,302392E+09	1,180278E+09	9,678737E+08
-89	7,182320E+08	4,982665E+08	3,707785E+08	3,707843E+08	4,982771E+08	7,182366E+08	9,678713E+08	1,180278E+09	1,302397E+09	1,302387E+09	1,180252E+09	9,678362E+08
-88	7,182022E+08	4,982465E+08	3,707606E+08	3,707632E+08	4,982531E+08	7,182141E+08	9,678509E+08	1,180261E+09	1,302394E+09	1,302408E+09	1,180293E+09	9,678814E+08
-87	7,182425E+08	4,982777E+08	3,707773E+08	3,707750E+08	4,982741E+08	7,182467E+08	9,678881E+08	1,180293E+09	1,302404E+09	1,302394E+09	1,180273E+09	9,678596E+08
-86	7,182076E+08	4,982379E+08	3,707470E+08	3,707504E+08	4,982476E+08	7,182248E+08	9,678853E+08	1,180312E+09	1,302433E+09	1,302414E+09	1,180271E+09	9,678503E+08
-85	7,182032E+08	4,982324E+08	3,707362E+08	3,707326E+08	4,982228E+08	7,181950E+08	9,678558E+08	1,180292E+09	1,302436E+09	1,302441E+09	1,180310E+09	9,678900E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-84	7,182374E+08	4,982508E+08	3,707390E+08	3,707380E+08	4,982419E+08	7,182221E+08	9,678815E+08	1,180312E+09	1,302447E+09	1,302446E+09	1,180305E+09	9,678563E+08
-83	7,181831E+08	4,982030E+08	3,707027E+08	3,707027E+08	4,982054E+08	7,181924E+08	9,678634E+08	1,180307E+09	1,302456E+09	1,302464E+09	1,180325E+09	9,678801E+08
-82	7,182039E+08	4,982170E+08	3,707096E+08	3,707046E+08	4,982099E+08	7,182035E+08	9,678690E+08	1,180297E+09	1,302435E+09	1,302448E+09	1,180328E+09	9,679002E+08
-81	7,182212E+08	4,982151E+08	3,707032E+08	3,707091E+08	4,982233E+08	7,182189E+08	9,678934E+08	1,180329E+09	1,302458E+09	1,302444E+09	1,180293E+09	9,678517E+08
-80	7,181826E+08	4,981888E+08	3,706775E+08	3,706786E+08	4,981889E+08	7,181859E+08	9,678659E+08	1,180314E+09	1,302461E+09	1,302464E+09	1,180322E+09	9,678826E+08
-79	7,182152E+08	4,982274E+08	3,707113E+08	3,707043E+08	4,982134E+08	7,182112E+08	9,678873E+08	1,180326E+09	1,302457E+09	1,302445E+09	1,180305E+09	9,678693E+08
-78	7,181946E+08	4,982052E+08	3,707043E+08	3,707095E+08	4,982171E+08	7,182078E+08	9,678850E+08	1,180330E+09	1,302465E+09	1,302446E+09	1,180288E+09	9,678446E+08
-77	7,181800E+08	4,982023E+08	3,707086E+08	3,707125E+08	4,982108E+08	7,181869E+08	9,678463E+08	1,180283E+09	1,302433E+09	1,302448E+09	1,180319E+09	9,678908E+08
-76	7,182334E+08	4,982514E+08	3,707451E+08	3,707477E+08	4,982552E+08	7,182349E+08	9,678813E+08	1,180289E+09	1,302410E+09	1,302416E+09	1,180294E+09	9,678635E+08
-75	7,182010E+08	4,982294E+08	3,707386E+08	3,707432E+08	4,982418E+08	7,182171E+08	9,678694E+08	1,180287E+09	1,302409E+09	1,302403E+09	1,180276E+09	9,678631E+08
-74	7,182222E+08	4,982631E+08	3,707723E+08	3,707672E+08	4,982535E+08	7,182158E+08	9,678510E+08	1,180255E+09	1,302374E+09	1,302377E+09	1,180269E+09	9,678827E+08
-73	7,182575E+08	4,982939E+08	3,708008E+08	3,708034E+08	4,982927E+08	7,182442E+08	9,678706E+08	1,180269E+09	1,302378E+09	1,302362E+09	1,180229E+09	9,678272E+08
-72	7,182122E+08	4,982711E+08	3,707911E+08	3,707924E+08	4,982726E+08	7,182160E+08	9,678379E+08	1,180242E+09	1,302367E+09	1,302372E+09	1,180254E+09	9,678558E+08
-71	7,182413E+08	4,983071E+08	3,708260E+08	3,708213E+08	4,983006E+08	7,182433E+08	9,678555E+08	1,180242E+09	1,302350E+09	1,302350E+09	1,180247E+09	9,678611E+08
-70	7,182375E+08	4,982904E+08	3,708162E+08	3,708253E+08	4,983119E+08	7,182582E+08	9,678769E+08	1,180265E+09	1,302366E+09	1,302350E+09	1,180225E+09	9,678271E+08
-69	7,182103E+08	4,982711E+08	3,707970E+08	3,707996E+08	4,982786E+08	7,182220E+08	9,678424E+08	1,180241E+09	1,302362E+09	1,302371E+09	1,180264E+09	9,678732E+08
-68	7,182561E+08	4,983075E+08	3,708151E+08	3,708101E+08	4,982980E+08	7,182536E+08	9,678767E+08	1,180265E+09	1,302370E+09	1,302368E+09	1,180256E+09	9,678548E+08
-67	7,182211E+08	4,982681E+08	3,707851E+08	3,707844E+08	4,982669E+08	7,182236E+08	9,678666E+08	1,180284E+09	1,302406E+09	1,302392E+09	1,180255E+09	9,678453E+08
-66	7,182154E+08	4,982633E+08	3,707768E+08	3,707714E+08	4,982514E+08	7,182017E+08	9,678326E+08	1,180250E+09	1,302389E+09	1,302402E+09	1,180286E+09	9,678825E+08
-65	7,182474E+08	4,982787E+08	3,707802E+08	3,707818E+08	4,982778E+08	7,182369E+08	9,678663E+08	1,180271E+09	1,302396E+09	1,302397E+09	1,180269E+09	9,678471E+08
-64	7,181989E+08	4,982328E+08	3,707404E+08	3,707407E+08	4,982359E+08	7,182068E+08	9,678546E+08	1,180272E+09	1,302403E+09	1,302410E+09	1,180289E+09	9,678703E+08
-63	7,182176E+08	4,982490E+08	3,707516E+08	3,707454E+08	4,982393E+08	7,182140E+08	9,678654E+08	1,180282E+09	1,302401E+09	1,302397E+09	1,180283E+09	9,678800E+08
-62	7,182284E+08	4,982438E+08	3,707435E+08	3,707484E+08	4,982523E+08	7,182313E+08	9,678898E+08	1,180313E+09	1,302431E+09	1,302406E+09	1,180256E+09	9,678298E+08
-61	7,181852E+08	4,982172E+08	3,707226E+08	3,707231E+08	4,982183E+08	7,181899E+08	9,678456E+08	1,180280E+09	1,302424E+09	1,302429E+09	1,180293E+09	9,678668E+08
-60	7,182214E+08	4,982568E+08	3,707567E+08	3,707520E+08	4,982511E+08	7,182253E+08	9,678699E+08	1,180282E+09	1,302408E+09	1,302413E+09	1,180290E+09	9,678654E+08
-59	7,182066E+08	4,982361E+08	3,707482E+08	3,707540E+08	4,982518E+08	7,182237E+08	9,678751E+08	1,180296E+09	1,302420E+09	1,302407E+09	1,180267E+09	9,678446E+08
-58	7,181991E+08	4,982386E+08	3,707553E+08	3,707584E+08	4,982474E+08	7,182052E+08	9,678376E+08	1,180247E+09	1,302377E+09	1,302389E+09	1,180280E+09	9,678835E+08
-57	7,182539E+08	4,982909E+08	3,707957E+08	3,707979E+08	4,982935E+08	7,182505E+08	9,678727E+08	1,180261E+09	1,302364E+09	1,302358E+09	1,180244E+09	9,678479E+08
-56	7,182230E+08	4,982731E+08	3,707907E+08	3,707911E+08	4,982742E+08	7,182256E+08	9,678531E+08	1,180251E+09	1,302362E+09	1,302354E+09	1,180235E+09	9,678447E+08
-55	7,182349E+08	4,983041E+08	3,708283E+08	3,708210E+08	4,982890E+08	7,182218E+08	9,678346E+08	1,180227E+09	1,302336E+09	1,302333E+09	1,180231E+09	9,678606E+08
-54	7,182614E+08	4,983250E+08	3,708496E+08	3,708552E+08	4,983343E+08	7,182620E+08	9,678590E+08	1,180237E+09	1,302337E+09	1,302323E+09	1,180200E+09	9,678124E+08
-53	7,182160E+08	4,982986E+08	3,708368E+08	3,708404E+08	4,983100E+08	7,182313E+08	9,678233E+08	1,180201E+09	1,302315E+09	1,302326E+09	1,180226E+09	9,678483E+08
-52	7,182530E+08	4,983352E+08	3,708668E+08	3,708641E+08	4,983356E+08	7,182626E+08	9,678517E+08	1,180210E+09	1,302301E+09	1,302308E+09	1,180224E+09	9,678576E+08
-51	7,182554E+08	4,983231E+08	3,708556E+08	3,708613E+08	4,983357E+08	7,182663E+08	9,678708E+08	1,180247E+09	1,302336E+09	1,302314E+09	1,180198E+09	9,678209E+08
-50	7,182282E+08	4,983068E+08	3,708391E+08	3,708364E+08	4,983021E+08	7,182259E+08	9,678248E+08	1,180210E+09	1,302324E+09	1,302330E+09	1,180230E+09	9,678590E+08
-49	7,182678E+08	4,983407E+08	3,708605E+08	3,708544E+08	4,983282E+08	7,182586E+08	9,678562E+08	1,180230E+09	1,302333E+09	1,302331E+09	1,180224E+09	9,678413E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
-48	7,182341E+08	4,982996E+08	3,708269E+08	3,708258E+08	4,982973E+08	7,182308E+08	9,678436E+08	1,180239E+09	1,302356E+09	1,302353E+09	1,180232E+09	9,678364E+08
-47	7,182236E+08	4,982907E+08	3,708178E+08	3,708139E+08	4,982840E+08	7,182153E+08	9,678254E+08	1,180223E+09	1,302345E+09	1,302356E+09	1,180254E+09	9,678705E+08
-46	7,182541E+08	4,983011E+08	3,708146E+08	3,708196E+08	4,983111E+08	7,182583E+08	9,678700E+08	1,180255E+09	1,302360E+09	1,302354E+09	1,180235E+09	9,678330E+08
-45	7,182058E+08	4,982576E+08	3,707768E+08	3,707768E+08	4,982622E+08	7,182173E+08	9,678471E+08	1,180250E+09	1,302368E+09	1,302368E+09	1,180252E+09	9,678541E+08
-44	7,182267E+08	4,982768E+08	3,707905E+08	3,707835E+08	4,982671E+08	7,182257E+08	9,678586E+08	1,180257E+09	1,302368E+09	1,302368E+09	1,180258E+09	9,678659E+08
-43	7,182373E+08	4,982738E+08	3,707851E+08	3,707880E+08	4,982776E+08	7,182359E+08	9,678758E+08	1,180289E+09	1,302403E+09	1,302381E+09	1,180237E+09	9,678216E+08
-42	7,181955E+08	4,982481E+08	3,707665E+08	3,707676E+08	4,982528E+08	7,182017E+08	9,678251E+08	1,180237E+09	1,302375E+09	1,302387E+09	1,180267E+09	9,678601E+08
-41	7,182348E+08	4,982889E+08	3,708031E+08	3,708007E+08	4,982903E+08	7,182435E+08	9,678580E+08	1,180242E+09	1,302354E+09	1,302361E+09	1,180254E+09	9,678602E+08
-40	7,182298E+08	4,982741E+08	3,707944E+08	3,707989E+08	4,982848E+08	7,182366E+08	9,678623E+08	1,180256E+09	1,302362E+09	1,302352E+09	1,180231E+09	9,678365E+08
-39	7,182203E+08	4,982810E+08	3,708082E+08	3,708079E+08	4,982803E+08	7,182138E+08	9,678277E+08	1,180224E+09	1,302334E+09	1,302333E+09	1,180232E+09	9,678635E+08
-38	7,182673E+08	4,983297E+08	3,708477E+08	3,708483E+08	4,983291E+08	7,182623E+08	9,678608E+08	1,180233E+09	1,302326E+09	1,302313E+09	1,180202E+09	9,678239E+08
-37	7,182285E+08	4,983091E+08	3,708453E+08	3,708454E+08	4,983114E+08	7,182333E+08	9,678300E+08	1,180209E+09	1,302313E+09	1,302308E+09	1,180200E+09	9,678263E+08
-36	7,182421E+08	4,983369E+08	3,708788E+08	3,708747E+08	4,983329E+08	7,182427E+08	9,678217E+08	1,180182E+09	1,302282E+09	1,302295E+09	1,180209E+09	9,678507E+08
-35	7,182714E+08	4,983558E+08	3,708943E+08	3,709009E+08	4,983701E+08	7,182816E+08	9,678563E+08	1,180210E+09	1,302295E+09	1,302284E+09	1,180178E+09	9,678097E+08
-34	7,182321E+08	4,983313E+08	3,708795E+08	3,708835E+08	4,983448E+08	7,182500E+08	9,678187E+08	1,180174E+09	1,302271E+09	1,302278E+09	1,180192E+09	9,678402E+08
-33	7,182701E+08	4,983691E+08	3,709099E+08	3,709062E+08	4,983664E+08	7,182749E+08	9,678442E+08	1,180187E+09	1,302267E+09	1,302265E+09	1,180185E+09	9,678446E+08
-32	7,182740E+08	4,983591E+08	3,708983E+08	3,708997E+08	4,983588E+08	7,182679E+08	9,678522E+08	1,180215E+09	1,302300E+09	1,302282E+09	1,180172E+09	9,678092E+08
-31	7,182396E+08	4,983403E+08	3,708848E+08	3,708807E+08	4,983293E+08	7,182261E+08	9,678056E+08	1,180182E+09	1,302289E+09	1,302295E+09	1,180202E+09	9,678445E+08
-30	7,182720E+08	4,983647E+08	3,708985E+08	3,708959E+08	4,983613E+08	7,182712E+08	9,678414E+08	1,180195E+09	1,302290E+09	1,302295E+09	1,180200E+09	9,678309E+08
-29	7,182381E+08	4,983223E+08	3,708640E+08	3,708650E+08	4,983276E+08	7,182443E+08	9,678310E+08	1,180198E+09	1,302300E+09	1,302304E+09	1,180203E+09	9,678293E+08
-28	7,182357E+08	4,983160E+08	3,708526E+08	3,708503E+08	4,983141E+08	7,182336E+08	9,678240E+08	1,180192E+09	1,302296E+09	1,302311E+09	1,180224E+09	9,678595E+08
-27	7,182674E+08	4,983308E+08	3,708504E+08	3,708521E+08	4,983326E+08	7,182675E+08	9,678677E+08	1,180240E+09	1,302332E+09	1,302317E+09	1,180202E+09	9,678195E+08
-26	7,182184E+08	4,982901E+08	3,708174E+08	3,708150E+08	4,982886E+08	7,182246E+08	9,678330E+08	1,180223E+09	1,302334E+09	1,302329E+09	1,180216E+09	9,678348E+08
-25	7,182343E+08	4,983071E+08	3,708345E+08	3,708290E+08	4,983001E+08	7,182351E+08	9,678430E+08	1,180226E+09	1,302333E+09	1,302333E+09	1,180227E+09	9,678514E+08
-24	7,182484E+08	4,983051E+08	3,708285E+08	3,708323E+08	4,983104E+08	7,182468E+08	9,678586E+08	1,180248E+09	1,302356E+09	1,302346E+09	1,180217E+09	9,678165E+08
-23	7,182082E+08	4,982805E+08	3,708131E+08	3,708155E+08	4,982872E+08	7,182152E+08	9,678193E+08	1,180212E+09	1,302329E+09	1,302339E+09	1,180235E+09	9,678510E+08
-22	7,182483E+08	4,983205E+08	3,708467E+08	3,708464E+08	4,983259E+08	7,182612E+08	9,678546E+08	1,180218E+09	1,302313E+09	1,302314E+09	1,180220E+09	9,678478E+08
-21	7,182436E+08	4,983112E+08	3,708435E+08	3,708456E+08	4,983166E+08	7,182457E+08	9,678461E+08	1,180220E+09	1,302314E+09	1,302302E+09	1,180192E+09	9,678211E+08
-20	7,182352E+08	4,983201E+08	3,708600E+08	3,708584E+08	4,983162E+08	7,182266E+08	9,678128E+08	1,180184E+09	1,302287E+09	1,302294E+09	1,180202E+09	9,678469E+08
-19	7,182789E+08	4,983678E+08	3,708998E+08	3,708995E+08	4,983644E+08	7,182721E+08	9,678440E+08	1,180198E+09	1,302285E+09	1,302276E+09	1,180176E+09	9,678134E+08
-18	7,182404E+08	4,983444E+08	3,708953E+08	3,708985E+08	4,983547E+08	7,182513E+08	9,678115E+08	1,180162E+09	1,302254E+09	1,302256E+09	1,180166E+09	9,678157E+08
-17	7,182549E+08	4,983698E+08	3,709266E+08	3,709263E+08	4,983756E+08	7,182662E+08	9,678175E+08	1,180148E+09	1,302228E+09	1,302238E+09	1,180169E+09	9,678419E+08
-16	7,182909E+08	4,983922E+08	3,709396E+08	3,709450E+08	4,984017E+08	7,182949E+08	9,678488E+08	1,180179E+09	1,302245E+09	1,302233E+09	1,180144E+09	9,678004E+08
-15	7,182496E+08	4,983695E+08	3,709273E+08	3,709278E+08	4,983716E+08	7,182554E+08	9,678118E+08	1,180157E+09	1,302236E+09	1,302231E+09	1,180152E+09	9,678214E+08
-14	7,182798E+08	4,984018E+08	3,709539E+08	3,709491E+08	4,983951E+08	7,182819E+08	9,678312E+08	1,180163E+09	1,302237E+09	1,302233E+09	1,180155E+09	9,678257E+08
-13	7,182780E+08	4,983892E+08	3,709426E+08	3,709433E+08	4,983877E+08	7,182706E+08	9,678260E+08	1,180171E+09	1,302255E+09	1,302246E+09	1,180148E+09	9,677978E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
-12	7,182469E+08	4,983670E+08	3,709243E+08	3,709233E+08	4,983645E+08	7,182427E+08	9,677923E+08	1,180138E+09	1,302239E+09	1,302260E+09	1,180184E+09	9,678382E+08
-11	7,182817E+08	4,983902E+08	3,709337E+08	3,709319E+08	4,983888E+08	7,182857E+08	9,678389E+08	1,180171E+09	1,302250E+09	1,302255E+09	1,180177E+09	9,678276E+08
-10	7,182520E+08	4,983493E+08	3,708982E+08	3,709010E+08	4,983573E+08	7,182594E+08	9,678270E+08	1,180175E+09	1,302259E+09	1,302255E+09	1,180165E+09	9,678162E+08
-9	7,182482E+08	4,983455E+08	3,708898E+08	3,708872E+08	4,983417E+08	7,182472E+08	9,678224E+08	1,180177E+09	1,302267E+09	1,302269E+09	1,180184E+09	9,678414E+08
-8	7,182784E+08	4,983625E+08	3,708904E+08	3,708889E+08	4,983547E+08	7,182705E+08	9,678544E+08	1,180215E+09	1,302303E+09	1,302290E+09	1,180179E+09	9,678056E+08
-7	7,182256E+08	4,983208E+08	3,708615E+08	3,708594E+08	4,983169E+08	7,182281E+08	9,678193E+08	1,180200E+09	1,302303E+09	1,302298E+09	1,180192E+09	9,678214E+08
-6	7,182385E+08	4,983319E+08	3,708735E+08	3,708726E+08	4,983352E+08	7,182499E+08	9,678303E+08	1,180192E+09	1,302293E+09	1,302300E+09	1,180207E+09	9,678437E+08
-5	7,182559E+08	4,983331E+08	3,708700E+08	3,708750E+08	4,983424E+08	7,182588E+08	9,678438E+08	1,180206E+09	1,302299E+09	1,302295E+09	1,180190E+09	9,678137E+08
-4	7,182267E+08	4,983152E+08	3,708572E+08	3,708603E+08	4,983217E+08	7,182312E+08	9,678106E+08	1,180173E+09	1,302275E+09	1,302290E+09	1,180203E+09	9,678424E+08
-3	7,182678E+08	4,983605E+08	3,708944E+08	3,708899E+08	4,983533E+08	7,182679E+08	9,678425E+08	1,180190E+09	1,302271E+09	1,302268E+09	1,180184E+09	9,678354E+08
-2	7,182606E+08	4,983527E+08	3,708963E+08	3,708979E+08	4,983542E+08	7,182555E+08	9,678253E+08	1,180178E+09	1,302262E+09	1,302250E+09	1,180150E+09	9,678012E+08
-1	7,182467E+08	4,983596E+08	3,709148E+08	3,709151E+08	4,983596E+08	7,182432E+08	9,677974E+08	1,180143E+09	1,302234E+09	1,302241E+09	1,180160E+09	9,678282E+08
1	7,182891E+08	4,984036E+08	3,709505E+08	3,709517E+08	4,984047E+08	7,182902E+08	9,678324E+08	1,180157E+09	1,302230E+09	1,302228E+09	1,180146E+09	9,678036E+08
2	7,182529E+08	4,983794E+08	3,709452E+08	3,709505E+08	4,983933E+08	7,182704E+08	9,678142E+08	1,180143E+09	1,302210E+09	1,302203E+09	1,180127E+09	9,678019E+08
3	7,182660E+08	4,984004E+08	3,709687E+08	3,709711E+08	4,984110E+08	7,182843E+08	9,678177E+08	1,180132E+09	1,302196E+09	1,302197E+09	1,180135E+09	9,678263E+08
4	7,183002E+08	4,984264E+08	3,709847E+08	3,709869E+08	4,984287E+08	7,183006E+08	9,678343E+08	1,180150E+09	1,302207E+09	1,302194E+09	1,180114E+09	9,677890E+08
5	7,182628E+08	4,984048E+08	3,709734E+08	3,709720E+08	4,984007E+08	7,182611E+08	9,677927E+08	1,180119E+09	1,302197E+09	1,302204E+09	1,180132E+09	9,678108E+08
6	7,182899E+08	4,984340E+08	3,709973E+08	3,709911E+08	4,984220E+08	7,182839E+08	9,678093E+08	1,180127E+09	1,302199E+09	1,302204E+09	1,180138E+09	9,678223E+08
7	7,182898E+08	4,984187E+08	3,709828E+08	3,709868E+08	4,984238E+08	7,182835E+08	9,678052E+08	1,180123E+09	1,302196E+09	1,302197E+09	1,180119E+09	9,677917E+08
8	7,182604E+08	4,983962E+08	3,709630E+08	3,709643E+08	4,983987E+08	7,182620E+08	9,677890E+08	1,180108E+09	1,302186E+09	1,302202E+09	1,180144E+09	9,678282E+08
9	7,182973E+08	4,984211E+08	3,709711E+08	3,709677E+08	4,984141E+08	7,182961E+08	9,678345E+08	1,180149E+09	1,302209E+09	1,302207E+09	1,180141E+09	9,678153E+08
10	7,182649E+08	4,983825E+08	3,709400E+08	3,709402E+08	4,983814E+08	7,182656E+08	9,678256E+08	1,180166E+09	1,302231E+09	1,302213E+09	1,180124E+09	9,677932E+08
11	7,182511E+08	4,983719E+08	3,709285E+08	3,709275E+08	4,983706E+08	7,182563E+08	9,678140E+08	1,180159E+09	1,302245E+09	1,302245E+09	1,180159E+09	9,678207E+08
12	7,182764E+08	4,983880E+08	3,709313E+08	3,709307E+08	4,983846E+08	7,182769E+08	9,678340E+08	1,180177E+09	1,302262E+09	1,302259E+09	1,180162E+09	9,677986E+08
13	7,182325E+08	4,983467E+08	3,709005E+08	3,709019E+08	4,983523E+08	7,182453E+08	9,678076E+08	1,180159E+09	1,302257E+09	1,302268E+09	1,180178E+09	9,678198E+08
14	7,182517E+08	4,983611E+08	3,709123E+08	3,709115E+08	4,983637E+08	7,182618E+08	9,678244E+08	1,180167E+09	1,302252E+09	1,302260E+09	1,180185E+09	9,678453E+08
15	7,182766E+08	4,983679E+08	3,709112E+08	3,709172E+08	4,983753E+08	7,182701E+08	9,678299E+08	1,180171E+09	1,302248E+09	1,302239E+09	1,180149E+09	9,678033E+08
16	7,182459E+08	4,983553E+08	3,709056E+08	3,709070E+08	4,983557E+08	7,182444E+08	9,678017E+08	1,180144E+09	1,302229E+09	1,302233E+09	1,180156E+09	9,678251E+08
17	7,182832E+08	4,984014E+08	3,709470E+08	3,709399E+08	4,983855E+08	7,182733E+08	9,678239E+08	1,180152E+09	1,302223E+09	1,302222E+09	1,180149E+09	9,678192E+08
18	7,182706E+08	4,983907E+08	3,709510E+08	3,709540E+08	4,983935E+08	7,182671E+08	9,678134E+08	1,180146E+09	1,302213E+09	1,302199E+09	1,180111E+09	9,677815E+08
19	7,182512E+08	4,983901E+08	3,709621E+08	3,709678E+08	4,984041E+08	7,182673E+08	9,677924E+08	1,180110E+09	1,302187E+09	1,302196E+09	1,180129E+09	9,678125E+08
20	7,182942E+08	4,984352E+08	3,709971E+08	3,709990E+08	4,984410E+08	7,183065E+08	9,678234E+08	1,180121E+09	1,302175E+09	1,302174E+09	1,180112E+09	9,677956E+08
21	7,182695E+08	4,984157E+08	3,709915E+08	3,709963E+08	4,984277E+08	7,182849E+08	9,678057E+08	1,180113E+09	1,302169E+09	1,302162E+09	1,180095E+09	9,677912E+08
22	7,182830E+08	4,984391E+08	3,710155E+08	3,710131E+08	4,984359E+08	7,182863E+08	9,678027E+08	1,180108E+09	1,302166E+09	1,302163E+09	1,180108E+09	9,678174E+08
23	7,183156E+08	4,984637E+08	3,710324E+08	3,710343E+08	4,984617E+08	7,183035E+08	9,678073E+08	1,180106E+09	1,302160E+09	1,302151E+09	1,180083E+09	9,677773E+08
24	7,182752E+08	4,984403E+08	3,710216E+08	3,710212E+08	4,984386E+08	7,182746E+08	9,677756E+08	1,180078E+09	1,302145E+09	1,302154E+09	1,180100E+09	9,678022E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
25	7,183017E+08	4,984653E+08	3,710407E+08	3,710350E+08	4,984552E+08	7,182972E+08	9,677966E+08	1,180087E+09	1,302145E+09	1,302157E+09	1,180113E+09	9,678175E+08
26	7,183026E+08	4,984488E+08	3,710243E+08	3,710296E+08	4,984560E+08	7,183004E+08	9,678095E+08	1,180106E+09	1,302154E+09	1,302144E+09	1,180079E+09	9,677764E+08
27	7,182685E+08	4,984220E+08	3,709979E+08	3,710014E+08	4,984300E+08	7,182804E+08	9,677926E+08	1,180098E+09	1,302161E+09	1,302166E+09	1,180108E+09	9,678064E+08
28	7,182986E+08	4,984475E+08	3,710082E+08	3,710022E+08	4,984373E+08	7,183026E+08	9,678250E+08	1,180128E+09	1,302181E+09	1,302175E+09	1,180113E+09	9,678006E+08
29	7,182713E+08	4,984099E+08	3,709787E+08	3,709789E+08	4,984089E+08	7,182723E+08	9,678110E+08	1,180139E+09	1,302207E+09	1,302196E+09	1,180109E+09	9,677833E+08
30	7,182566E+08	4,983967E+08	3,709644E+08	3,709635E+08	4,983955E+08	7,182595E+08	9,677960E+08	1,180129E+09	1,302214E+09	1,302222E+09	1,180149E+09	9,678224E+08
31	7,182878E+08	4,984132E+08	3,709670E+08	3,709703E+08	4,984177E+08	7,182881E+08	9,678150E+08	1,180132E+09	1,302206E+09	1,302212E+09	1,180138E+09	9,677996E+08
32	7,182511E+08	4,983792E+08	3,709412E+08	3,709427E+08	4,983845E+08	7,182608E+08	9,678006E+08	1,180125E+09	1,302199E+09	1,302205E+09	1,180138E+09	9,678146E+08
33	7,182724E+08	4,983989E+08	3,709568E+08	3,709519E+08	4,983898E+08	7,182668E+08	9,678099E+08	1,180134E+09	1,302202E+09	1,302205E+09	1,180145E+09	9,678339E+08
34	7,182951E+08	4,984100E+08	3,709635E+08	3,709655E+08	4,984058E+08	7,182774E+08	9,678209E+08	1,180146E+09	1,302205E+09	1,302185E+09	1,180099E+09	9,677775E+08
35	7,182533E+08	4,983912E+08	3,709565E+08	3,709595E+08	4,983951E+08	7,182580E+08	9,677888E+08	1,180115E+09	1,302191E+09	1,302191E+09	1,180117E+09	9,677971E+08
36	7,182819E+08	4,984340E+08	3,709980E+08	3,709924E+08	4,984260E+08	7,182876E+08	9,678066E+08	1,180111E+09	1,302171E+09	1,302175E+09	1,180117E+09	9,678057E+08
37	7,182783E+08	4,984229E+08	3,709997E+08	3,710063E+08	4,984374E+08	7,182900E+08	9,678057E+08	1,180110E+09	1,302167E+09	1,302159E+09	1,180084E+09	9,677728E+08
38	7,182629E+08	4,984223E+08	3,710067E+08	3,710125E+08	4,984377E+08	7,182825E+08	9,677896E+08	1,180089E+09	1,302150E+09	1,302156E+09	1,180103E+09	9,678101E+08
39	7,183122E+08	4,984704E+08	3,710419E+08	3,710449E+08	4,984764E+08	7,183180E+08	9,678094E+08	1,180088E+09	1,302130E+09	1,302126E+09	1,180077E+09	9,677872E+08
40	7,182895E+08	4,984574E+08	3,710423E+08	3,710436E+08	4,984603E+08	7,182948E+08	9,677923E+08	1,180082E+09	1,302126E+09	1,302115E+09	1,180060E+09	9,677806E+08
41	7,182994E+08	4,984792E+08	3,710674E+08	3,710617E+08	4,984660E+08	7,182868E+08	9,677765E+08	1,180066E+09	1,302120E+09	1,302125E+09	1,180084E+09	9,678103E+08
42	7,183295E+08	4,985003E+08	3,710834E+08	3,710857E+08	4,984980E+08	7,183140E+08	9,677917E+08	1,180067E+09	1,302108E+09	1,302102E+09	1,180049E+09	9,677641E+08
43	7,182830E+08	4,984686E+08	3,710642E+08	3,710681E+08	4,984794E+08	7,182975E+08	9,677711E+08	1,180045E+09	1,302095E+09	1,302106E+09	1,180066E+09	9,677866E+08
44	7,183072E+08	4,984929E+08	3,710803E+08	3,710747E+08	4,984864E+08	7,183130E+08	9,677919E+08	1,180057E+09	1,302093E+09	1,302101E+09	1,180075E+09	9,678066E+08
45	7,183155E+08	4,984785E+08	3,710624E+08	3,710670E+08	4,984851E+08	7,183143E+08	9,678049E+08	1,180086E+09	1,302125E+09	1,302109E+09	1,180045E+09	9,677605E+08
46	7,182775E+08	4,984513E+08	3,710354E+08	3,710348E+08	4,984508E+08	7,182841E+08	9,677843E+08	1,180084E+09	1,302144E+09	1,302144E+09	1,180086E+09	9,677953E+08
47	7,183057E+08	4,984731E+08	3,710453E+08	3,710408E+08	4,984656E+08	7,183054E+08	9,678018E+08	1,180092E+09	1,302145E+09	1,302144E+09	1,180089E+09	9,677904E+08
48	7,182800E+08	4,984377E+08	3,710178E+08	3,710188E+08	4,984404E+08	7,182846E+08	9,677973E+08	1,180105E+09	1,302164E+09	1,302155E+09	1,180086E+09	9,677807E+08
49	7,182687E+08	4,984243E+08	3,710031E+08	3,710019E+08	4,984232E+08	7,182678E+08	9,677819E+08	1,180094E+09	1,302167E+09	1,302180E+09	1,180127E+09	9,678236E+08
50	7,183055E+08	4,984444E+08	3,710080E+08	3,710102E+08	4,984453E+08	7,182994E+08	9,678129E+08	1,180110E+09	1,302160E+09	1,302158E+09	1,180097E+09	9,677869E+08
51	7,182650E+08	4,984112E+08	3,709827E+08	3,709843E+08	4,984172E+08	7,182767E+08	9,677971E+08	1,180104E+09	1,302164E+09	1,302160E+09	1,180097E+09	9,677915E+08
52	7,182790E+08	4,984341E+08	3,710041E+08	3,709955E+08	4,984188E+08	7,182734E+08	9,677932E+08	1,180099E+09	1,302158E+09	1,302160E+09	1,180108E+09	9,678156E+08
53	7,183041E+08	4,984451E+08	3,710134E+08	3,710162E+08	4,984439E+08	7,182885E+08	9,678011E+08	1,180110E+09	1,302168E+09	1,302153E+09	1,180071E+09	9,677611E+08
54	7,182593E+08	4,984224E+08	3,710035E+08	3,710078E+08	4,984326E+08	7,182714E+08	9,677737E+08	1,180080E+09	1,302152E+09	1,302157E+09	1,180095E+09	9,677914E+08
55	7,182917E+08	4,984621E+08	3,710419E+08	3,710418E+08	4,984681E+08	7,183061E+08	9,677925E+08	1,180067E+09	1,302113E+09	1,302121E+09	1,180084E+09	9,678000E+08
56	7,182968E+08	4,984598E+08	3,710474E+08	3,710541E+08	4,984752E+08	7,183099E+08	9,678030E+08	1,180081E+09	1,302113E+09	1,302098E+09	1,180045E+09	9,677673E+08
57	7,182841E+08	4,984635E+08	3,710573E+08	3,710584E+08	4,984668E+08	7,182879E+08	9,677746E+08	1,180059E+09	1,302106E+09	1,302108E+09	1,180069E+09	9,678021E+08
58	7,183329E+08	4,985139E+08	3,710973E+08	3,710955E+08	4,985075E+08	7,183246E+08	9,677969E+08	1,180058E+09	1,302086E+09	1,302077E+09	1,180035E+09	9,677678E+08
59	7,183010E+08	4,984954E+08	3,710954E+08	3,710975E+08	4,985008E+08	7,183083E+08	9,677755E+08	1,180044E+09	1,302083E+09	1,302075E+09	1,180026E+09	9,677591E+08
60	7,183033E+08	4,985124E+08	3,711165E+08	3,711114E+08	4,985047E+08	7,183010E+08	9,677570E+08	1,180019E+09	1,302063E+09	1,302077E+09	1,180054E+09	9,678012E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
61	7,183407E+08	4,985311E+08	3,711279E+08	3,711329E+08	4,985380E+08	7,183353E+08	9,677840E+08	1,180034E+09	1,302064E+09	1,302060E+09	1,180018E+09	9,677545E+08
62	7,182945E+08	4,984965E+08	3,711017E+08	3,711052E+08	4,985079E+08	7,183116E+08	9,677708E+08	1,180030E+09	1,302065E+09	1,302068E+09	1,180036E+09	9,677782E+08
63	7,183187E+08	4,985187E+08	3,711154E+08	3,711111E+08	4,985147E+08	7,183230E+08	9,677829E+08	1,180034E+09	1,302060E+09	1,302061E+09	1,180039E+09	9,677923E+08
64	7,183281E+08	4,985106E+08	3,711031E+08	3,711042E+08	4,985098E+08	7,183223E+08	9,677965E+08	1,180065E+09	1,302093E+09	1,302072E+09	1,180017E+09	9,677490E+08
65	7,182859E+08	4,984800E+08	3,710759E+08	3,710725E+08	4,984729E+08	7,182821E+08	9,677614E+08	1,180052E+09	1,302112E+09	1,302119E+09	1,180071E+09	9,677912E+08
66	7,183162E+08	4,985005E+08	3,710854E+08	3,710809E+08	4,984942E+08	7,183152E+08	9,677890E+08	1,180057E+09	1,302100E+09	1,302105E+09	1,180063E+09	9,677828E+08
67	7,182902E+08	4,984631E+08	3,710549E+08	3,710583E+08	4,984736E+08	7,183019E+08	9,677896E+08	1,180072E+09	1,302118E+09	1,302112E+09	1,180056E+09	9,677682E+08
68	7,182790E+08	4,984538E+08	3,710420E+08	3,710394E+08	4,984503E+08	7,182771E+08	9,677691E+08	1,180059E+09	1,302115E+09	1,302126E+09	1,180090E+09	9,678143E+08
69	7,183227E+08	4,984795E+08	3,710518E+08	3,710519E+08	4,984753E+08	7,183082E+08	9,677979E+08	1,180081E+09	1,302126E+09	1,302117E+09	1,180058E+09	9,677685E+08
70	7,182758E+08	4,984454E+08	3,710285E+08	3,710270E+08	4,984456E+08	7,182831E+08	9,677836E+08	1,180079E+09	1,302133E+09	1,302127E+09	1,180066E+09	9,677749E+08
71	7,182857E+08	4,984636E+08	3,710502E+08	3,710456E+08	4,984582E+08	7,182851E+08	9,677726E+08	1,180057E+09	1,302109E+09	1,302115E+09	1,180074E+09	9,677996E+08
72	7,183133E+08	4,984785E+08	3,710619E+08	3,710667E+08	4,984861E+08	7,183118E+08	9,677943E+08	1,180073E+09	1,302113E+09	1,302101E+09	1,180040E+09	9,677542E+08
73	7,182712E+08	4,984549E+08	3,710510E+08	3,710556E+08	4,984686E+08	7,182876E+08	9,677665E+08	1,180049E+09	1,302104E+09	1,302112E+09	1,180068E+09	9,677893E+08
74	7,183113E+08	4,984979E+08	3,710897E+08	3,710888E+08	4,985025E+08	7,183238E+08	9,677932E+08	1,180045E+09	1,302069E+09	1,302068E+09	1,180042E+09	9,677860E+08
75	7,183136E+08	4,984976E+08	3,710964E+08	3,711022E+08	4,985115E+08	7,183260E+08	9,677971E+08	1,180059E+09	1,302080E+09	1,302057E+09	1,180006E+09	9,677463E+08
76	7,182957E+08	4,985041E+08	3,711104E+08	3,711075E+08	4,984982E+08	7,182923E+08	9,677528E+08	1,180020E+09	1,302060E+09	1,302065E+09	1,180037E+09	9,677900E+08
77	7,183470E+08	4,985523E+08	3,711504E+08	3,711486E+08	4,985452E+08	7,183319E+08	9,677702E+08	1,180016E+09	1,302045E+09	1,302043E+09	1,180008E+09	9,677559E+08
78	7,183114E+08	4,985285E+08	3,711430E+08	3,711460E+08	4,985381E+08	7,183225E+08	9,677597E+08	1,180005E+09	1,302035E+09	1,302035E+09	1,180003E+09	9,677545E+08
79	7,183160E+08	4,985408E+08	3,711582E+08	3,711574E+08	4,985430E+08	7,183181E+08	9,677438E+08	1,179974E+09	1,302000E+09	1,302017E+09	1,180015E+09	9,677907E+08
80	7,183576E+08	4,985654E+08	3,711702E+08	3,711736E+08	4,985698E+08	7,183534E+08	9,677830E+08	1,180009E+09	1,302013E+09	1,302000E+09	1,179978E+09	9,677435E+08
81	7,183094E+08	4,985308E+08	3,711448E+08	3,711437E+08	4,985313E+08	7,183159E+08	9,677595E+08	1,180009E+09	1,302035E+09	1,302030E+09	1,180004E+09	9,677655E+08
82	7,183310E+08	4,985506E+08	3,711586E+08	3,711512E+08	4,985392E+08	7,183288E+08	9,677739E+08	1,180012E+09	1,302029E+09	1,302026E+09	1,180004E+09	9,677711E+08
83	7,183321E+08	4,985376E+08	3,711443E+08	3,711472E+08	4,985425E+08	7,183340E+08	9,677841E+08	1,180037E+09	1,302063E+09	1,302047E+09	1,179995E+09	9,677312E+08
84	7,182879E+08	4,985052E+08	3,711142E+08	3,711117E+08	4,985024E+08	7,182924E+08	9,677445E+08	1,180011E+09	1,302064E+09	1,302081E+09	1,180051E+09	9,677881E+08
85	7,183281E+08	4,985264E+08	3,711222E+08	3,711196E+08	4,985247E+08	7,183284E+08	9,677778E+08	1,180027E+09	1,302063E+09	1,302070E+09	1,180039E+09	9,677769E+08
86	7,183040E+08	4,984903E+08	3,710898E+08	3,710927E+08	4,984992E+08	7,183130E+08	9,677844E+08	1,180052E+09	1,302086E+09	1,302076E+09	1,180029E+09	9,677609E+08
87	7,182928E+08	4,984817E+08	3,710792E+08	3,710779E+08	4,984791E+08	7,182861E+08	9,677548E+08	1,180026E+09	1,302072E+09	1,302080E+09	1,180052E+09	9,677978E+08
88	7,183362E+08	4,985151E+08	3,710973E+08	3,710950E+08	4,985055E+08	7,183196E+08	9,677879E+08	1,180052E+09	1,302083E+09	1,302072E+09	1,180026E+09	9,677555E+08
89	7,182850E+08	4,984782E+08	3,710760E+08	3,710743E+08	4,984778E+08	7,182897E+08	9,677641E+08	1,180044E+09	1,302092E+09	1,302091E+09	1,180043E+09	9,677670E+08
90	7,182965E+08	4,984938E+08	3,710962E+08	3,710938E+08	4,984962E+08	7,183058E+08	9,677678E+08	1,180022E+09	1,302057E+09	1,302065E+09	1,180038E+09	9,677856E+08
91	7,183239E+08	4,985095E+08	3,711073E+08	3,711150E+08	4,985263E+08	7,183360E+08	9,677945E+08	1,180045E+09	1,302065E+09	1,302052E+09	1,180004E+09	9,677380E+08
92	7,182843E+08	4,984913E+08	3,710978E+08	3,711005E+08	4,984998E+08	7,182989E+08	9,677558E+08	1,180017E+09	1,302054E+09	1,302058E+09	1,180030E+09	9,677795E+08
93	7,183320E+08	4,985400E+08	3,711415E+08	3,711375E+08	4,985349E+08	7,183306E+08	9,677741E+08	1,180016E+09	1,302038E+09	1,302031E+09	1,180005E+09	9,677696E+08
94	7,183292E+08	4,985383E+08	3,711490E+08	3,711518E+08	4,985431E+08	7,183298E+08	9,677751E+08	1,180023E+09	1,302042E+09	1,302023E+09	1,179979E+09	9,677336E+08
95	7,183073E+08	4,985387E+08	3,711614E+08	3,711622E+08	4,985394E+08	7,183023E+08	9,677254E+08	1,179966E+09	1,302000E+09	1,302015E+09	1,180004E+09	9,677783E+08
96	7,183609E+08	4,985898E+08	3,712019E+08	3,712009E+08	4,985869E+08	7,183530E+08	9,677599E+08	1,179972E+09	1,301980E+09	1,301983E+09	1,179976E+09	9,677497E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
97	7,183249E+08	4,985621E+08	3,711903E+08	3,711935E+08	4,985725E+08	7,183373E+08	9,677522E+08	1,179973E+09	1,301985E+09	1,301984E+09	1,179970E+09	9,677475E+08
98	7,183327E+08	4,985741E+08	3,712019E+08	3,712004E+08	4,985755E+08	7,183379E+08	9,677477E+08	1,179955E+09	1,301959E+09	1,301965E+09	1,179969E+09	9,677689E+08
99	7,183674E+08	4,985985E+08	3,712136E+08	3,712158E+08	4,986013E+08	7,183691E+08	9,677813E+08	1,179993E+09	1,301987E+09	1,301967E+09	1,179942E+09	9,677185E+08
100	7,183139E+08	4,985623E+08	3,711877E+08	3,711845E+08	4,985565E+08	7,183189E+08	9,677421E+08	1,179979E+09	1,302002E+09	1,302001E+09	1,179982E+09	9,677542E+08
101	7,183389E+08	4,985783E+08	3,711991E+08	3,711940E+08	4,985699E+08	7,183341E+08	9,677508E+08	1,179980E+09	1,302003E+09	1,302004E+09	1,179988E+09	9,677635E+08
102	7,183389E+08	4,985607E+08	3,711788E+08	3,711842E+08	4,985712E+08	7,183450E+08	9,677711E+08	1,180004E+09	1,302024E+09	1,302018E+09	1,179982E+09	9,677321E+08
103	7,182998E+08	4,985271E+08	3,711466E+08	3,711486E+08	4,985320E+08	7,183048E+08	9,677324E+08	1,179971E+09	1,302006E+09	1,302028E+09	1,180020E+09	9,677834E+08
104	7,183470E+08	4,985592E+08	3,711601E+08	3,711551E+08	4,985499E+08	7,183403E+08	9,677730E+08	1,180000E+09	1,302012E+09	1,302013E+09	1,180003E+09	9,677682E+08
105	7,183194E+08	4,985254E+08	3,711329E+08	3,711316E+08	4,985222E+08	7,183160E+08	9,677704E+08	1,180025E+09	1,302050E+09	1,302036E+09	1,179995E+09	9,677475E+08
106	7,183060E+08	4,985161E+08	3,711250E+08	3,711219E+08	4,985095E+08	7,182980E+08	9,677463E+08	1,179997E+09	1,302031E+09	1,302036E+09	1,180011E+09	9,677717E+08
107	7,183395E+08	4,985455E+08	3,711432E+08	3,711441E+08	4,985453E+08	7,183394E+08	9,677806E+08	1,180023E+09	1,302044E+09	1,302035E+09	1,179994E+09	9,677338E+08
108	7,182886E+08	4,985078E+08	3,711201E+08	3,711211E+08	4,985142E+08	7,183068E+08	9,677552E+08	1,180009E+09	1,302043E+09	1,302046E+09	1,180016E+09	9,677603E+08
109	7,183095E+08	4,985242E+08	3,711389E+08	3,711394E+08	4,985310E+08	7,183205E+08	9,677599E+08	1,179999E+09	1,302025E+09	1,302027E+09	1,180008E+09	9,677759E+08
110	7,183380E+08	4,985424E+08	3,711499E+08	3,711570E+08	4,985563E+08	7,183477E+08	9,677884E+08	1,180024E+09	1,302035E+09	1,302017E+09	1,179978E+09	9,677308E+08
111	7,183006E+08	4,985269E+08	3,711452E+08	3,711478E+08	4,985314E+08	7,183048E+08	9,677349E+08	1,179976E+09	1,302005E+09	1,302011E+09	1,179994E+09	9,677661E+08
112	7,183496E+08	4,985831E+08	3,711957E+08	3,711884E+08	4,985679E+08	7,183369E+08	9,677532E+08	1,179973E+09	1,301982E+09	1,301982E+09	1,179977E+09	9,677608E+08
113	7,183431E+08	4,985782E+08	3,712040E+08	3,712066E+08	4,985810E+08	7,183370E+08	9,677483E+08	1,179974E+09	1,301987E+09	1,301978E+09	1,179954E+09	9,677291E+08
114	7,183240E+08	4,985755E+08	3,712120E+08	3,712143E+08	4,985814E+08	7,183257E+08	9,677174E+08	1,179920E+09	1,301934E+09	1,301952E+09	1,179960E+09	9,677618E+08
115	7,183729E+08	4,986244E+08	3,712497E+08	3,712511E+08	4,986281E+08	7,183781E+08	9,677619E+08	1,179944E+09	1,301927E+09	1,301924E+09	1,179930E+09	9,677288E+08
116	7,183366E+08	4,985980E+08	3,712361E+08	3,712381E+08	4,986037E+08	7,183497E+08	9,677459E+08	1,179947E+09	1,301939E+09	1,301930E+09	1,179928E+09	9,677313E+08
117	7,183455E+08	4,986088E+08	3,712471E+08	3,712445E+08	4,986051E+08	7,183446E+08	9,677350E+08	1,179937E+09	1,301940E+09	1,301935E+09	1,179935E+09	9,677477E+08
118	7,183719E+08	4,986279E+08	3,712553E+08	3,712574E+08	4,986295E+08	7,183754E+08	9,677676E+08	1,179969E+09	1,301963E+09	1,301948E+09	1,179926E+09	9,677085E+08
119	7,183187E+08	4,985858E+08	3,712257E+08	3,712270E+08	4,985890E+08	7,183275E+08	9,677212E+08	1,179936E+09	1,301955E+09	1,301966E+09	1,179962E+09	9,677489E+08
120	7,183503E+08	4,986065E+08	3,712368E+08	3,712322E+08	4,985995E+08	7,183486E+08	9,677431E+08	1,179945E+09	1,301950E+09	1,301960E+09	1,179970E+09	9,677658E+08
121	7,183538E+08	4,985891E+08	3,712153E+08	3,712201E+08	4,985955E+08	7,183518E+08	9,677609E+08	1,179978E+09	1,301983E+09	1,301976E+09	1,179958E+09	9,677319E+08
122	7,183188E+08	4,985584E+08	3,711833E+08	3,711835E+08	4,985582E+08	7,183195E+08	9,677314E+08	1,179949E+09	1,301965E+09	1,301977E+09	1,179977E+09	9,677640E+08
123	7,183576E+08	4,985924E+08	3,712022E+08	3,711954E+08	4,985784E+08	7,183524E+08	9,677686E+08	1,179980E+09	1,301980E+09	1,301975E+09	1,179965E+09	9,677431E+08
124	7,183245E+08	4,985575E+08	3,711767E+08	3,711748E+08	4,985501E+08	7,183203E+08	9,677532E+08	1,179993E+09	1,302010E+09	1,301999E+09	1,179968E+09	9,677333E+08
125	7,183125E+08	4,985454E+08	3,711683E+08	3,711689E+08	4,985456E+08	7,183086E+08	9,677285E+08	1,179967E+09	1,302002E+09	1,302007E+09	1,179987E+09	9,677583E+08
126	7,183435E+08	4,985712E+08	3,711824E+08	3,711865E+08	4,985796E+08	7,183558E+08	9,677728E+08	1,179991E+09	1,302002E+09	1,301999E+09	1,179974E+09	9,677295E+08
127	7,183001E+08	4,985343E+08	3,711592E+08	3,711644E+08	4,985474E+08	7,183197E+08	9,677438E+08	1,179972E+09	1,301988E+09	1,301992E+09	1,179981E+09	9,677532E+08
128	7,183298E+08	4,985637E+08	3,711853E+08	3,711828E+08	4,985604E+08	7,183300E+08	9,677500E+08	1,179968E+09	1,301973E+09	1,301973E+09	1,179975E+09	9,677688E+08
129	7,183562E+08	4,985844E+08	3,712023E+08	3,712051E+08	4,985843E+08	7,183477E+08	9,677651E+08	1,179988E+09	1,301991E+09	1,301975E+09	1,179947E+09	9,677216E+08
130	7,183187E+08	4,985695E+08	3,712006E+08	3,712017E+08	4,985701E+08	7,183188E+08	9,677185E+08	1,179931E+09	1,301948E+09	1,301957E+09	1,179953E+09	9,677454E+08
131	7,183596E+08	4,986227E+08	3,712515E+08	3,712467E+08	4,986142E+08	7,183582E+08	9,677407E+08	1,179929E+09	1,301924E+09	1,301930E+09	1,179938E+09	9,677415E+08
132	7,183522E+08	4,986146E+08	3,712553E+08	3,712605E+08	4,986233E+08	7,183572E+08	9,677394E+08	1,179933E+09	1,301925E+09	1,301919E+09	1,179916E+09	9,677188E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
133	7,183386E+08	4,986104E+08	3,712593E+08	3,712645E+08	4,986213E+08	7,183444E+08	9,677140E+08	1,179902E+09	1,301900E+09	1,301904E+09	1,179919E+09	9,677432E+08
134	7,183817E+08	4,986558E+08	3,712918E+08	3,712933E+08	4,986601E+08	7,183937E+08	9,677617E+08	1,179931E+09	1,301902E+09	1,301890E+09	1,179899E+09	9,677146E+08
135	7,183457E+08	4,986278E+08	3,712785E+08	3,712812E+08	4,986329E+08	7,183564E+08	9,677329E+08	1,179920E+09	1,301904E+09	1,301894E+09	1,179899E+09	9,677177E+08
136	7,183565E+08	4,986425E+08	3,712911E+08	3,712869E+08	4,986329E+08	7,183495E+08	9,677193E+08	1,179906E+09	1,301900E+09	1,301904E+09	1,179921E+09	9,677438E+08
137	7,183807E+08	4,986571E+08	3,712974E+08	3,712996E+08	4,986582E+08	7,183791E+08	9,677446E+08	1,179929E+09	1,301922E+09	1,301918E+09	1,179915E+09	9,677132E+08
138	7,183352E+08	4,986154E+08	3,712641E+08	3,712653E+08	4,986206E+08	7,183457E+08	9,677136E+08	1,179896E+09	1,301898E+09	1,301914E+09	1,179930E+09	9,677409E+08
139	7,183644E+08	4,986373E+08	3,712755E+08	3,712705E+08	4,986290E+08	7,183633E+08	9,677396E+08	1,179919E+09	1,301903E+09	1,301908E+09	1,179931E+09	9,677509E+08
140	7,183682E+08	4,986231E+08	3,712553E+08	3,712573E+08	4,986198E+08	7,183568E+08	9,677485E+08	1,179950E+09	1,301941E+09	1,301926E+09	1,179918E+09	9,677178E+08
141	7,183321E+08	4,985923E+08	3,712259E+08	3,712246E+08	4,985852E+08	7,183221E+08	9,677154E+08	1,179930E+09	1,301944E+09	1,301943E+09	1,179939E+09	9,677395E+08
142	7,183579E+08	4,986188E+08	3,712425E+08	3,712373E+08	4,986093E+08	7,183617E+08	9,677569E+08	1,179956E+09	1,301952E+09	1,301949E+09	1,179943E+09	9,677292E+08
143	7,183257E+08	4,985798E+08	3,712158E+08	3,712194E+08	4,985862E+08	7,183342E+08	9,677387E+08	1,179954E+09	1,301961E+09	1,301957E+09	1,179942E+09	9,677240E+08
144	7,183209E+08	4,985731E+08	3,712073E+08	3,712096E+08	4,985784E+08	7,183262E+08	9,677255E+08	1,179937E+09	1,301950E+09	1,301963E+09	1,179967E+09	9,677571E+08
145	7,183560E+08	4,986010E+08	3,712228E+08	3,712268E+08	4,986084E+08	7,183656E+08	9,677640E+08	1,179966E+09	1,301963E+09	1,301959E+09	1,179949E+09	9,677299E+08
146	7,183216E+08	4,985715E+08	3,712031E+08	3,712055E+08	4,985785E+08	7,183349E+08	9,677366E+08	1,179941E+09	1,301942E+09	1,301941E+09	1,179939E+09	9,677362E+08
147	7,183449E+08	4,986050E+08	3,712377E+08	3,712322E+08	4,985937E+08	7,183391E+08	9,677366E+08	1,179937E+09	1,301931E+09	1,301929E+09	1,179936E+09	9,677491E+08
148	7,183686E+08	4,986254E+08	3,712568E+08	3,712589E+08	4,986205E+08	7,183525E+08	9,677397E+08	1,179942E+09	1,301937E+09	1,301926E+09	1,179915E+09	9,677111E+08
149	7,183320E+08	4,986074E+08	3,712540E+08	3,712583E+08	4,986141E+08	7,183329E+08	9,676994E+08	1,179893E+09	1,301902E+09	1,301909E+09	1,179917E+09	9,677298E+08
150	7,183672E+08	4,986543E+08	3,712985E+08	3,712970E+08	4,986560E+08	7,183811E+08	9,677374E+08	1,179897E+09	1,301872E+09	1,301879E+09	1,179905E+09	9,677316E+08
151	7,183639E+08	4,986457E+08	3,713003E+08	3,713085E+08	4,986606E+08	7,183742E+08	9,677333E+08	1,179900E+09	1,301870E+09	1,301857E+09	1,179871E+09	9,677041E+08
152	7,183549E+08	4,986498E+08	3,713068E+08	3,713086E+08	4,986522E+08	7,183566E+08	9,677085E+08	1,179878E+09	1,301858E+09	1,301858E+09	1,179886E+09	9,677300E+08
153	7,183930E+08	4,986926E+08	3,713408E+08	3,713388E+08	4,986877E+08	7,183950E+08	9,677423E+08	1,179903E+09	1,301872E+09	1,301861E+09	1,179875E+09	9,677065E+08
154	7,183597E+08	4,986633E+08	3,713255E+08	3,713271E+08	4,986675E+08	7,183692E+08	9,677168E+08	1,179883E+09	1,301861E+09	1,301856E+09	1,179870E+09	9,677041E+08
155	7,183652E+08	4,986751E+08	3,713374E+08	3,713340E+08	4,986695E+08	7,183644E+08	9,677072E+08	1,179871E+09	1,301855E+09	1,301865E+09	1,179895E+09	9,677351E+08
156	7,183924E+08	4,986870E+08	3,713380E+08	3,713406E+08	4,986880E+08	7,183892E+08	9,677317E+08	1,179893E+09	1,301870E+09	1,301870E+09	1,179888E+09	9,677113E+08
157	7,183522E+08	4,986463E+08	3,713033E+08	3,713051E+08	4,986504E+08	7,183557E+08	9,677060E+08	1,179879E+09	1,301868E+09	1,301871E+09	1,179893E+09	9,677257E+08
158	7,183734E+08	4,986654E+08	3,713119E+08	3,713057E+08	4,986552E+08	7,183736E+08	9,677333E+08	1,179899E+09	1,301874E+09	1,301874E+09	1,179900E+09	9,677355E+08
159	7,183738E+08	4,986488E+08	3,712937E+08	3,712961E+08	4,986464E+08	7,183618E+08	9,677326E+08	1,179919E+09	1,301902E+09	1,301887E+09	1,179886E+09	9,677010E+08
160	7,183389E+08	4,986216E+08	3,712667E+08	3,712656E+08	4,986157E+08	7,183312E+08	9,677015E+08	1,179898E+09	1,301902E+09	1,301911E+09	1,179922E+09	9,677312E+08
161	7,183612E+08	4,986426E+08	3,712813E+08	3,712783E+08	4,986406E+08	7,183712E+08	9,677405E+08	1,179921E+09	1,301912E+09	1,301916E+09	1,179927E+09	9,677300E+08
162	7,183397E+08	4,986075E+08	3,712531E+08	3,712576E+08	4,986203E+08	7,183569E+08	9,677369E+08	1,179921E+09	1,301908E+09	1,301903E+09	1,179907E+09	9,677147E+08
163	7,183355E+08	4,986062E+08	3,712498E+08	3,712506E+08	4,986090E+08	7,183406E+08	9,677228E+08	1,179914E+09	1,301906E+09	1,301910E+09	1,179925E+09	9,677436E+08
164	7,183733E+08	4,986390E+08	3,712689E+08	3,712691E+08	4,986347E+08	7,183686E+08	9,677471E+08	1,179935E+09	1,301920E+09	1,301909E+09	1,179911E+09	9,677183E+08
165	7,183394E+08	4,986127E+08	3,712558E+08	3,712561E+08	4,986121E+08	7,183382E+08	9,677157E+08	1,179913E+09	1,301910E+09	1,301900E+09	1,179900E+09	9,677142E+08
166	7,183515E+08	4,986402E+08	3,712887E+08	3,712845E+08	4,986336E+08	7,183517E+08	9,677183E+08	1,179899E+09	1,301887E+09	1,301890E+09	1,179909E+09	9,677361E+08
167	7,183754E+08	4,986565E+08	3,713065E+08	3,713129E+08	4,986639E+08	7,183705E+08	9,677239E+08	1,179895E+09	1,301875E+09	1,301869E+09	1,179879E+09	9,677006E+08
168	7,183458E+08	4,986434E+08	3,713032E+08	3,713085E+08	4,986545E+08	7,183543E+08	9,676970E+08	1,179861E+09	1,301844E+09	1,301855E+09	1,179886E+09	9,677216E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
169	7,183795E+08	4,986880E+08	3,713454E+08	3,713438E+08	4,986904E+08	7,183945E+08	9,677311E+08	1,179874E+09	1,301835E+09	1,301834E+09	1,179872E+09	9,677244E+08
170	7,183833E+08	4,986848E+08	3,713479E+08	3,713527E+08	4,986952E+08	7,183929E+08	9,677287E+08	1,179874E+09	1,301830E+09	1,301811E+09	1,179830E+09	9,676842E+08
171	7,183664E+08	4,986890E+08	3,713586E+08	3,713569E+08	4,986847E+08	7,183657E+08	9,676968E+08	1,179852E+09	1,301824E+09	1,301823E+09	1,179854E+09	9,677141E+08
172	7,184036E+08	4,987276E+08	3,713900E+08	3,713875E+08	4,987208E+08	7,183989E+08	9,677168E+08	1,179861E+09	1,301828E+09	1,301825E+09	1,179854E+09	9,677039E+08
173	7,183749E+08	4,986965E+08	3,713716E+08	3,713750E+08	4,987038E+08	7,183782E+08	9,676965E+08	1,179847E+09	1,301820E+09	1,301816E+09	1,179843E+09	9,676954E+08
174	7,183747E+08	4,987015E+08	3,713756E+08	3,713742E+08	4,987021E+08	7,183800E+08	9,676993E+08	1,179839E+09	1,301807E+09	1,301820E+09	1,179868E+09	9,677302E+08
175	7,184049E+08	4,987138E+08	3,713756E+08	3,713786E+08	4,987156E+08	7,183983E+08	9,677201E+08	1,179859E+09	1,301817E+09	1,301812E+09	1,179846E+09	9,676981E+08
176	7,183669E+08	4,986797E+08	3,713438E+08	3,713415E+08	4,986751E+08	7,183633E+08	9,676968E+08	1,179852E+09	1,301826E+09	1,301828E+09	1,179860E+09	9,677092E+08
177	7,183795E+08	4,986942E+08	3,713530E+08	3,713449E+08	4,986806E+08	7,183773E+08	9,677174E+08	1,179873E+09	1,301845E+09	1,301844E+09	1,179874E+09	9,677238E+08
178	7,183829E+08	4,986774E+08	3,713332E+08	3,713360E+08	4,986810E+08	7,183802E+08	9,677220E+08	1,179885E+09	1,301859E+09	1,301847E+09	1,179854E+09	9,676841E+08
179	7,183433E+08	4,986484E+08	3,713075E+08	3,713075E+08	4,986505E+08	7,183505E+08	9,676984E+08	1,179872E+09	1,301863E+09	1,301872E+09	1,179893E+09	9,677211E+08
180	7,183710E+08	4,986679E+08	3,713185E+08	3,713168E+08	4,986698E+08	7,183831E+08	9,677329E+08	1,179894E+09	1,301870E+09	1,301872E+09	1,179899E+09	9,677274E+08
181	7,183575E+08	4,986389E+08	3,712930E+08	3,712971E+08	4,986488E+08	7,183650E+08	9,677298E+08	1,179909E+09	1,301884E+09	1,301865E+09	1,179871E+09	9,676994E+08
182	7,183463E+08	4,986377E+08	3,712916E+08	3,712904E+08	4,986367E+08	7,183490E+08	9,677123E+08	1,179891E+09	1,301877E+09	1,301878E+09	1,179896E+09	9,677311E+08
183	7,183835E+08	4,986718E+08	3,713168E+08	3,713155E+08	4,986641E+08	7,183707E+08	9,677234E+08	1,179894E+09	1,301872E+09	1,301866E+09	1,179878E+09	9,677048E+08
184	7,183524E+08	4,986507E+08	3,713079E+08	3,713079E+08	4,986505E+08	7,183492E+08	9,676946E+08	1,179867E+09	1,301855E+09	1,301858E+09	1,179877E+09	9,677059E+08
185	7,183619E+08	4,986741E+08	3,713388E+08	3,713364E+08	4,986742E+08	7,183675E+08	9,677004E+08	1,179853E+09	1,301832E+09	1,301842E+09	1,179880E+09	9,677332E+08
186	7,183948E+08	4,986933E+08	3,713541E+08	3,713613E+08	4,987070E+08	7,183984E+08	9,677205E+08	1,179856E+09	1,301812E+09	1,301803E+09	1,179832E+09	9,676851E+08
187	7,183626E+08	4,986842E+08	3,713559E+08	3,713589E+08	4,986922E+08	7,183729E+08	9,676955E+08	1,179838E+09	1,301800E+09	1,301797E+09	1,179836E+09	9,677031E+08
188	7,183952E+08	4,987270E+08	3,713969E+08	3,713923E+08	4,987217E+08	7,184002E+08	9,677145E+08	1,179844E+09	1,301795E+09	1,301788E+09	1,179833E+09	9,677090E+08
189	7,183982E+08	4,987251E+08	3,714022E+08	3,714056E+08	4,987305E+08	7,183982E+08	9,677109E+08	1,179850E+09	1,301801E+09	1,301777E+09	1,179797E+09	9,676642E+08
190	7,183717E+08	4,987209E+08	3,714071E+08	3,714072E+08	4,987232E+08	7,183792E+08	9,676800E+08	1,179814E+09	1,301783E+09	1,301791E+09	1,179834E+09	9,677059E+08
191	7,184102E+08	4,987544E+08	3,714336E+08	3,714334E+08	4,987559E+08	7,184124E+08	9,677007E+08	1,179816E+09	1,301769E+09	1,301775E+09	1,179826E+09	9,676991E+08
192	7,183910E+08	4,987282E+08	3,714133E+08	3,714169E+08	4,987367E+08	7,183945E+08	9,676903E+08	1,179813E+09	1,301767E+09	1,301769E+09	1,179817E+09	9,676901E+08
193	7,183891E+08	4,987311E+08	3,714138E+08	3,714114E+08	4,987287E+08	7,183887E+08	9,676888E+08	1,179814E+09	1,301771E+09	1,301779E+09	1,179836E+09	9,677226E+08
194	7,184225E+08	4,987470E+08	3,714140E+08	3,714137E+08	4,987436E+08	7,184133E+08	9,677132E+08	1,179833E+09	1,301778E+09	1,301767E+09	1,179805E+09	9,676766E+08
195	7,183746E+08	4,987121E+08	3,713881E+08	3,713831E+08	4,987031E+08	7,183719E+08	9,676877E+08	1,179831E+09	1,301796E+09	1,301793E+09	1,179827E+09	9,676907E+08
196	7,183840E+08	4,987188E+08	3,713924E+08	3,713862E+08	4,987105E+08	7,183843E+08	9,676991E+08	1,179839E+09	1,301807E+09	1,301812E+09	1,179852E+09	9,677157E+08
197	7,183921E+08	4,987034E+08	3,713719E+08	3,713771E+08	4,987133E+08	7,183937E+08	9,677145E+08	1,179862E+09	1,301826E+09	1,301812E+09	1,179828E+09	9,676728E+08
198	7,183499E+08	4,986711E+08	3,713415E+08	3,713433E+08	4,986794E+08	7,183666E+08	9,676964E+08	1,179850E+09	1,301826E+09	1,301834E+09	1,179868E+09	9,677147E+08
199	7,183827E+08	4,986946E+08	3,713556E+08	3,713525E+08	4,986931E+08	7,183884E+08	9,677198E+08	1,179865E+09	1,301827E+09	1,301824E+09	1,179862E+09	9,677169E+08
200	7,183760E+08	4,986761E+08	3,713380E+08	3,713380E+08	4,986747E+08	7,183688E+08	9,677119E+08	1,179874E+09	1,301843E+09	1,301829E+09	1,179844E+09	9,676868E+08
201	7,183578E+08	4,986726E+08	3,713403E+08	3,713380E+08	4,986679E+08	7,183521E+08	9,676872E+08	1,179852E+09	1,301836E+09	1,301843E+09	1,179872E+09	9,677234E+08
202	7,183993E+08	4,987089E+08	3,713661E+08	3,713656E+08	4,987066E+08	7,183915E+08	9,677065E+08	1,179845E+09	1,301812E+09	1,301812E+09	1,179842E+09	9,676898E+08
203	7,183635E+08	4,986873E+08	3,713607E+08	3,713615E+08	4,986935E+08	7,183730E+08	9,676905E+08	1,179831E+09	1,301799E+09	1,301801E+09	1,179835E+09	9,676930E+08
204	7,183762E+08	4,987077E+08	3,713871E+08	3,713866E+08	4,987132E+08	7,183862E+08	9,676949E+08	1,179823E+09	1,301781E+09	1,301786E+09	1,179840E+09	9,677217E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
205	7,184136E+08	4,987326E+08	3,714042E+08	3,714107E+08	4,987433E+08	7,184128E+08	9,677166E+08	1,179841E+09	1,301779E+09	1,301756E+09	1,179787E+09	9,676619E+08
206	7,183713E+08	4,987190E+08	3,714044E+08	3,714062E+08	4,987257E+08	7,183860E+08	9,676880E+08	1,179816E+09	1,301769E+09	1,301764E+09	1,179806E+09	9,676867E+08
207	7,184023E+08	4,987594E+08	3,714466E+08	3,714419E+08	4,987540E+08	7,184046E+08	9,676923E+08	1,179805E+09	1,301750E+09	1,301749E+09	1,179805E+09	9,676978E+08
208	7,184111E+08	4,987605E+08	3,714518E+08	3,714559E+08	4,987674E+08	7,184082E+08	9,676883E+08	1,179802E+09	1,301749E+09	1,301743E+09	1,179782E+09	9,676609E+08
209	7,183841E+08	4,987519E+08	3,714518E+08	3,714532E+08	4,987582E+08	7,183923E+08	9,676630E+08	1,179771E+09	1,301729E+09	1,301747E+09	1,179813E+09	9,677083E+08
210	7,184324E+08	4,987893E+08	3,714746E+08	3,714737E+08	4,987897E+08	7,184320E+08	9,676930E+08	1,179777E+09	1,301707E+09	1,301711E+09	1,179782E+09	9,676858E+08
211	7,184082E+08	4,987664E+08	3,714595E+08	3,714591E+08	4,987657E+08	7,184064E+08	9,676850E+08	1,179789E+09	1,301724E+09	1,301713E+09	1,179767E+09	9,676707E+08
212	7,184026E+08	4,987649E+08	3,714578E+08	3,714528E+08	4,987549E+08	7,183927E+08	9,676727E+08	1,179785E+09	1,301735E+09	1,301737E+09	1,179797E+09	9,677027E+08
213	7,184319E+08	4,987797E+08	3,714588E+08	3,714583E+08	4,987741E+08	7,184200E+08	9,677012E+08	1,179814E+09	1,301752E+09	1,301736E+09	1,179773E+09	9,676532E+08
214	7,183730E+08	4,987348E+08	3,714264E+08	3,714252E+08	4,987374E+08	7,183890E+08	9,676813E+08	1,179806E+09	1,301765E+09	1,301768E+09	1,179809E+09	9,676806E+08
215	7,183847E+08	4,987371E+08	3,714266E+08	3,714237E+08	4,987393E+08	7,183977E+08	9,676915E+08	1,179809E+09	1,301764E+09	1,301772E+09	1,179829E+09	9,677105E+08
216	7,184043E+08	4,987293E+08	3,714072E+08	3,714132E+08	4,987404E+08	7,184064E+08	9,677097E+08	1,179836E+09	1,301788E+09	1,301781E+09	1,179810E+09	9,676690E+08
217	7,183640E+08	4,986997E+08	3,713779E+08	3,713783E+08	4,987029E+08	7,183726E+08	9,676839E+08	1,179824E+09	1,301795E+09	1,301803E+09	1,179845E+09	9,677112E+08
218	7,184028E+08	4,987306E+08	3,713965E+08	3,713900E+08	4,987202E+08	7,183978E+08	9,677038E+08	1,179829E+09	1,301782E+09	1,301781E+09	1,179828E+09	9,677013E+08
219	7,183897E+08	4,987152E+08	3,713897E+08	3,713876E+08	4,987082E+08	7,183769E+08	9,676941E+08	1,179837E+09	1,301797E+09	1,301784E+09	1,179810E+09	9,676741E+08
220	7,183705E+08	4,987061E+08	3,713892E+08	3,713894E+08	4,987064E+08	7,183632E+08	9,676645E+08	1,179803E+09	1,301779E+09	1,301793E+09	1,179840E+09	9,677142E+08
221	7,184141E+08	4,987444E+08	3,714155E+08	3,714175E+08	4,987475E+08	7,184118E+08	9,677021E+08	1,179815E+09	1,301759E+09	1,301756E+09	1,179800E+09	9,676725E+08
222	7,183730E+08	4,987191E+08	3,714068E+08	3,714103E+08	4,987325E+08	7,183961E+08	9,676925E+08	1,179808E+09	1,301751E+09	1,301747E+09	1,179795E+09	9,676758E+08
223	7,183854E+08	4,987401E+08	3,714335E+08	3,714320E+08	4,987439E+08	7,183966E+08	9,676854E+08	1,179795E+09	1,301735E+09	1,301732E+09	1,179794E+09	9,677015E+08
224	7,184270E+08	4,987723E+08	3,714562E+08	3,714602E+08	4,987763E+08	7,184214E+08	9,677010E+08	1,179807E+09	1,301742E+09	1,301724E+09	1,179760E+09	9,676463E+08
225	7,183816E+08	4,987554E+08	3,714559E+08	3,714574E+08	4,987604E+08	7,183920E+08	9,676645E+08	1,179777E+09	1,301730E+09	1,301733E+09	1,179786E+09	9,676816E+08
226	7,184193E+08	4,987967E+08	3,714946E+08	3,714911E+08	4,987943E+08	7,184224E+08	9,676741E+08	1,179757E+09	1,301691E+09	1,301699E+09	1,179775E+09	9,676893E+08
227	7,184267E+08	4,987986E+08	3,715027E+08	3,715068E+08	4,988057E+08	7,184260E+08	9,676804E+08	1,179766E+09	1,301694E+09	1,301686E+09	1,179745E+09	9,676549E+08
228	7,184027E+08	4,987857E+08	3,714963E+08	3,714985E+08	4,987913E+08	7,184044E+08	9,676522E+08	1,179738E+09	1,301679E+09	1,301693E+09	1,179775E+09	9,676982E+08
229	7,184509E+08	4,988267E+08	3,715201E+08	3,715169E+08	4,988192E+08	7,184429E+08	9,676895E+08	1,179761E+09	1,301674E+09	1,301665E+09	1,179739E+09	9,676618E+08
230	7,184133E+08	4,987967E+08	3,715023E+08	3,715014E+08	4,987953E+08	7,184184E+08	9,676798E+08	1,179770E+09	1,301697E+09	1,301683E+09	1,179738E+09	9,676500E+08
231	7,184020E+08	4,987892E+08	3,714980E+08	3,714943E+08	4,987832E+08	7,183984E+08	9,676563E+08	1,179754E+09	1,301699E+09	1,301704E+09	1,179772E+09	9,676881E+08
232	7,184365E+08	4,988054E+08	3,714975E+08	3,715000E+08	4,988072E+08	7,184331E+08	9,676865E+08	1,179775E+09	1,301714E+09	1,301713E+09	1,179763E+09	9,676493E+08
233	7,183804E+08	4,987567E+08	3,714596E+08	3,714614E+08	4,987660E+08	7,184021E+08	9,676730E+08	1,179776E+09	1,301726E+09	1,301736E+09	1,179795E+09	9,676850E+08
234	7,184040E+08	4,987656E+08	3,714584E+08	3,714557E+08	4,987657E+08	7,184118E+08	9,676856E+08	1,179780E+09	1,301715E+09	1,301722E+09	1,179795E+09	9,677024E+08
235	7,184217E+08	4,987652E+08	3,714490E+08	3,714505E+08	4,987631E+08	7,184113E+08	9,676995E+08	1,179812E+09	1,301749E+09	1,301732E+09	1,179771E+09	9,676571E+08
236	7,183801E+08	4,987346E+08	3,714225E+08	3,714208E+08	4,987291E+08	7,183739E+08	9,676620E+08	1,179787E+09	1,301752E+09	1,301762E+09	1,179812E+09	9,676971E+08
237	7,184168E+08	4,987686E+08	3,714462E+08	3,714392E+08	4,987535E+08	7,184047E+08	9,676871E+08	1,179796E+09	1,301738E+09	1,301737E+09	1,179792E+09	9,676795E+08
238	7,183924E+08	4,987447E+08	3,714356E+08	3,714379E+08	4,987495E+08	7,183986E+08	9,676869E+08	1,179802E+09	1,301748E+09	1,301739E+09	1,179779E+09	9,676593E+08
239	7,183743E+08	4,987331E+08	3,714330E+08	3,714366E+08	4,987437E+08	7,183824E+08	9,676598E+08	1,179770E+09	1,301724E+09	1,301737E+09	1,179801E+09	9,676998E+08
240	7,184262E+08	4,987775E+08	3,714603E+08	3,714638E+08	4,987834E+08	7,184294E+08	9,676982E+08	1,179788E+09	1,301717E+09	1,301714E+09	1,179769E+09	9,676593E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
241	7,183858E+08	4,987535E+08	3,714519E+08	3,714547E+08	4,987634E+08	7,184068E+08	9,676844E+08	1,179786E+09	1,301721E+09	1,301712E+09	1,179766E+09	9,676665E+08
242	7,184033E+08	4,987795E+08	3,714810E+08	3,714777E+08	4,987764E+08	7,184062E+08	9,676692E+08	1,179759E+09	1,301691E+09	1,301690E+09	1,179762E+09	9,676857E+08
243	7,184394E+08	4,988139E+08	3,715123E+08	3,715148E+08	4,988129E+08	7,184287E+08	9,676802E+08	1,179767E+09	1,301695E+09	1,301680E+09	1,179731E+09	9,676395E+08
244	7,183973E+08	4,987924E+08	3,715079E+08	3,715116E+08	4,988008E+08	7,184036E+08	9,676399E+08	1,179724E+09	1,301670E+09	1,301685E+09	1,179760E+09	9,676790E+08
245	7,184398E+08	4,988364E+08	3,715456E+08	3,715424E+08	4,988321E+08	7,184384E+08	9,676664E+08	1,179722E+09	1,301633E+09	1,301641E+09	1,179735E+09	9,676754E+08
246	7,184399E+08	4,988335E+08	3,715493E+08	3,715545E+08	4,988426E+08	7,184448E+08	9,676780E+08	1,179739E+09	1,301645E+09	1,301630E+09	1,179704E+09	9,676383E+08
247	7,184125E+08	4,988195E+08	3,715418E+08	3,715419E+08	4,988203E+08	7,184124E+08	9,676405E+08	1,179709E+09	1,301634E+09	1,301640E+09	1,179729E+09	9,676758E+08
248	7,184593E+08	4,988611E+08	3,715667E+08	3,715625E+08	4,988505E+08	7,184515E+08	9,676751E+08	1,179730E+09	1,301641E+09	1,301638E+09	1,179714E+09	9,676441E+08
249	7,184171E+08	4,988242E+08	3,715439E+08	3,715451E+08	4,988279E+08	7,184288E+08	9,676665E+08	1,179741E+09	1,301665E+09	1,301658E+09	1,179723E+09	9,676441E+08
250	7,184110E+08	4,988149E+08	3,715326E+08	3,715323E+08	4,988175E+08	7,184172E+08	9,676484E+08	1,179720E+09	1,301653E+09	1,301665E+09	1,179749E+09	9,676811E+08
251	7,184459E+08	4,988333E+08	3,715360E+08	3,715391E+08	4,988372E+08	7,184485E+08	9,676852E+08	1,179754E+09	1,301673E+09	1,301669E+09	1,179736E+09	9,676488E+08
252	7,183977E+08	4,987845E+08	3,714944E+08	3,714963E+08	4,987905E+08	7,184084E+08	9,676616E+08	1,179750E+09	1,301688E+09	1,301694E+09	1,179766E+09	9,676795E+08
253	7,184228E+08	4,988004E+08	3,714982E+08	3,714915E+08	4,987868E+08	7,184149E+08	9,676780E+08	1,179763E+09	1,301684E+09	1,301682E+09	1,179759E+09	9,676837E+08
254	7,184289E+08	4,987965E+08	3,714916E+08	3,714921E+08	4,987907E+08	7,184177E+08	9,676869E+08	1,179785E+09	1,301715E+09	1,301698E+09	1,179743E+09	9,676400E+08
255	7,183824E+08	4,987627E+08	3,714658E+08	3,714652E+08	4,987599E+08	7,183788E+08	9,676400E+08	1,179747E+09	1,301703E+09	1,301716E+09	1,179781E+09	9,676824E+08
256	7,184236E+08	4,987986E+08	3,714907E+08	3,714870E+08	4,987923E+08	7,184218E+08	9,676723E+08	1,179751E+09	1,301687E+09	1,301700E+09	1,179769E+09	9,676712E+08
257	7,184021E+08	4,987734E+08	3,714768E+08	3,714820E+08	4,987855E+08	7,184173E+08	9,676825E+08	1,179771E+09	1,301699E+09	1,301692E+09	1,179750E+09	9,676544E+08
258	7,183925E+08	4,987677E+08	3,714735E+08	3,714779E+08	4,987776E+08	7,183995E+08	9,676551E+08	1,179742E+09	1,301674E+09	1,301678E+09	1,179756E+09	9,676827E+08
259	7,184403E+08	4,988185E+08	3,715118E+08	3,715119E+08	4,988150E+08	7,184381E+08	9,676881E+08	1,179763E+09	1,301678E+09	1,301663E+09	1,179727E+09	9,676452E+08
260	7,184012E+08	4,987927E+08	3,715046E+08	3,715066E+08	4,987975E+08	7,184104E+08	9,676607E+08	1,179747E+09	1,301679E+09	1,301673E+09	1,179736E+09	9,676543E+08
261	7,184187E+08	4,988215E+08	3,715368E+08	3,715330E+08	4,988143E+08	7,184160E+08	9,676534E+08	1,179724E+09	1,301643E+09	1,301647E+09	1,179731E+09	9,676709E+08
262	7,184469E+08	4,988484E+08	3,715641E+08	3,715696E+08	4,988566E+08	7,184501E+08	9,676713E+08	1,179729E+09	1,301641E+09	1,301633E+09	1,179703E+09	9,676306E+08
263	7,184069E+08	4,988255E+08	3,715561E+08	3,715612E+08	4,988389E+08	7,184206E+08	9,676313E+08	1,179687E+09	1,301611E+09	1,301624E+09	1,179720E+09	9,676683E+08
264	7,184563E+08	4,988734E+08	3,715928E+08	3,715900E+08	4,988689E+08	7,184542E+08	9,676568E+08	1,179689E+09	1,301590E+09	1,301598E+09	1,179701E+09	9,676619E+08
265	7,184530E+08	4,988677E+08	3,715932E+08	3,715974E+08	4,988736E+08	7,184564E+08	9,676701E+08	1,179716E+09	1,301612E+09	1,301594E+09	1,179674E+09	9,676266E+08
266	7,184263E+08	4,988540E+08	3,715842E+08	3,715842E+08	4,988520E+08	7,184223E+08	9,676277E+08	1,179680E+09	1,301595E+09	1,301600E+09	1,179697E+09	9,676582E+08
267	7,184646E+08	4,988931E+08	3,716129E+08	3,716087E+08	4,988833E+08	7,184602E+08	9,676603E+08	1,179699E+09	1,301602E+09	1,301598E+09	1,179688E+09	9,676386E+08
268	7,184272E+08	4,988505E+08	3,715832E+08	3,715870E+08	4,988607E+08	7,184406E+08	9,676515E+08	1,179704E+09	1,301620E+09	1,301621E+09	1,179703E+09	9,676432E+08
269	7,184273E+08	4,988453E+08	3,715708E+08	3,715693E+08	4,988435E+08	7,184291E+08	9,676474E+08	1,179699E+09	1,301608E+09	1,301617E+09	1,179716E+09	9,676698E+08
270	7,184555E+08	4,988606E+08	3,715720E+08	3,715742E+08	4,988623E+08	7,184584E+08	9,676807E+08	1,179734E+09	1,301637E+09	1,301625E+09	1,179702E+09	9,676351E+08
271	7,184064E+08	4,988148E+08	3,715338E+08	3,715318E+08	4,988121E+08	7,184092E+08	9,676440E+08	1,179720E+09	1,301648E+09	1,301649E+09	1,179728E+09	9,676619E+08
272	7,184326E+08	4,988335E+08	3,715424E+08	3,715346E+08	4,988156E+08	7,184170E+08	9,676526E+08	1,179722E+09	1,301648E+09	1,301655E+09	1,179735E+09	9,676692E+08
273	7,184347E+08	4,988248E+08	3,715335E+08	3,715363E+08	4,988249E+08	7,184283E+08	9,676702E+08	1,179749E+09	1,301674E+09	1,301664E+09	1,179722E+09	9,676346E+08
274	7,183937E+08	4,987916E+08	3,715052E+08	3,715086E+08	4,987985E+08	7,183990E+08	9,676319E+08	1,179709E+09	1,301648E+09	1,301664E+09	1,179747E+09	9,676706E+08
275	7,184324E+08	4,988299E+08	3,715355E+08	3,715330E+08	4,988283E+08	7,184406E+08	9,676723E+08	1,179729E+09	1,301641E+09	1,301643E+09	1,179730E+09	9,676639E+08
276	7,184182E+08	4,988063E+08	3,715202E+08	3,715260E+08	4,988192E+08	7,184306E+08	9,676750E+08	1,179747E+09	1,301661E+09	1,301647E+09	1,179714E+09	9,676428E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
277	7,184098E+08	4,988079E+08	3,715226E+08	3,715227E+08	4,988067E+08	7,184093E+08	9,676510E+08	1,179724E+09	1,301640E+09	1,301637E+09	1,179718E+09	9,676619E+08
278	7,184469E+08	4,988536E+08	3,715631E+08	3,715631E+08	4,988511E+08	7,184486E+08	9,676747E+08	1,179734E+09	1,301642E+09	1,301628E+09	1,179700E+09	9,676310E+08
279	7,184082E+08	4,988276E+08	3,715566E+08	3,715596E+08	4,988360E+08	7,184186E+08	9,676357E+08	1,179700E+09	1,301624E+09	1,301626E+09	1,179706E+09	9,676464E+08
280	7,184325E+08	4,988582E+08	3,715885E+08	3,715872E+08	4,988575E+08	7,184325E+08	9,676330E+08	1,179672E+09	1,301587E+09	1,301605E+09	1,179707E+09	9,676677E+08
281	7,184638E+08	4,988837E+08	3,716112E+08	3,716177E+08	4,988944E+08	7,184680E+08	9,676644E+08	1,179694E+09	1,301586E+09	1,301578E+09	1,179670E+09	9,676271E+08
282	7,184295E+08	4,988647E+08	3,716015E+08	3,716055E+08	4,988733E+08	7,184350E+08	9,676228E+08	1,179655E+09	1,301556E+09	1,301560E+09	1,179670E+09	9,676490E+08
283	7,184703E+08	4,989148E+08	3,716455E+08	3,716388E+08	4,989013E+08	7,184634E+08	9,676461E+08	1,179664E+09	1,301549E+09	1,301544E+09	1,179656E+09	9,676453E+08
284	7,184656E+08	4,989040E+08	3,716426E+08	3,716461E+08	4,989077E+08	7,184627E+08	9,676493E+08	1,179680E+09	1,301573E+09	1,301556E+09	1,179642E+09	9,676110E+08
285	7,184360E+08	4,988882E+08	3,716312E+08	3,716303E+08	4,988856E+08	7,184357E+08	9,676203E+08	1,179652E+09	1,301555E+09	1,301562E+09	1,179668E+09	9,676420E+08
286	7,184659E+08	4,989170E+08	3,716534E+08	3,716524E+08	4,989197E+08	7,184801E+08	9,676583E+08	1,179675E+09	1,301563E+09	1,301561E+09	1,179665E+09	9,676305E+08
287	7,184337E+08	4,988748E+08	3,716192E+08	3,716232E+08	4,988874E+08	7,184502E+08	9,676432E+08	1,179679E+09	1,301580E+09	1,301577E+09	1,179672E+09	9,676359E+08
288	7,184409E+08	4,988743E+08	3,716075E+08	3,716048E+08	4,988688E+08	7,184356E+08	9,676330E+08	1,179672E+09	1,301581E+09	1,301591E+09	1,179693E+09	9,676613E+08
289	7,184677E+08	4,988894E+08	3,716086E+08	3,716075E+08	4,988835E+08	7,184612E+08	9,676666E+08	1,179709E+09	1,301609E+09	1,301598E+09	1,179680E+09	9,676278E+08
290	7,184197E+08	4,988453E+08	3,715725E+08	3,715701E+08	4,988398E+08	7,184133E+08	9,676236E+08	1,179683E+09	1,301605E+09	1,301608E+09	1,179697E+09	9,676474E+08
291	7,184395E+08	4,988643E+08	3,715874E+08	3,715806E+08	4,988508E+08	7,184283E+08	9,676348E+08	1,179684E+09	1,301599E+09	1,301607E+09	1,179706E+09	9,676647E+08
292	7,184469E+08	4,988526E+08	3,715744E+08	3,715805E+08	4,988624E+08	7,184455E+08	9,676579E+08	1,179710E+09	1,301621E+09	1,301616E+09	1,179693E+09	9,676293E+08
293	7,184104E+08	4,988250E+08	3,715480E+08	3,715501E+08	4,988302E+08	7,184180E+08	9,676377E+08	1,179690E+09	1,301601E+09	1,301609E+09	1,179704E+09	9,676530E+08
294	7,184402E+08	4,988599E+08	3,715789E+08	3,715762E+08	4,988608E+08	7,184562E+08	9,676720E+08	1,179713E+09	1,301606E+09	1,301596E+09	1,179689E+09	9,676434E+08
295	7,184257E+08	4,988408E+08	3,715676E+08	3,715703E+08	4,988482E+08	7,184359E+08	9,676590E+08	1,179718E+09	1,301623E+09	1,301604E+09	1,179676E+09	9,676246E+08
296	7,184204E+08	4,988454E+08	3,715749E+08	3,715744E+08	4,988431E+08	7,184158E+08	9,676250E+08	1,179682E+09	1,301604E+09	1,301611E+09	1,179696E+09	9,676512E+08
297	7,184574E+08	4,988872E+08	3,716118E+08	3,716131E+08	4,988898E+08	7,184622E+08	9,676570E+08	1,179693E+09	1,301595E+09	1,301591E+09	1,179680E+09	9,676310E+08
298	7,184271E+08	4,988638E+08	3,716045E+08	3,716101E+08	4,988778E+08	7,184374E+08	9,676232E+08	1,179656E+09	1,301562E+09	1,301567E+09	1,179670E+09	9,676390E+08
299	7,184511E+08	4,988982E+08	3,716408E+08	3,716389E+08	4,988962E+08	7,184483E+08	9,676240E+08	1,179639E+09	1,301530E+09	1,301538E+09	1,179664E+09	9,676614E+08
300	7,184850E+08	4,989233E+08	3,716608E+08	3,716659E+08	4,989300E+08	7,184802E+08	9,676515E+08	1,179662E+09	1,301540E+09	1,301526E+09	1,179628E+09	9,676124E+08
301	7,184477E+08	4,989081E+08	3,716550E+08	3,716534E+08	4,989040E+08	7,184463E+08	9,676183E+08	1,179632E+09	1,301516E+09	1,301513E+09	1,179626E+09	9,676220E+08
302	7,184717E+08	4,989463E+08	3,716955E+08	3,716896E+08	4,989379E+08	7,184751E+08	9,676343E+08	1,179637E+09	1,301514E+09	1,301508E+09	1,179624E+09	9,676243E+08
303	7,184671E+08	4,989330E+08	3,716882E+08	3,716931E+08	4,989438E+08	7,184745E+08	9,676309E+08	1,179641E+09	1,301528E+09	1,301518E+09	1,179616E+09	9,676019E+08
304	7,184454E+08	4,989166E+08	3,716730E+08	3,716742E+08	4,989210E+08	7,184509E+08	9,676047E+08	1,179614E+09	1,301515E+09	1,301532E+09	1,179649E+09	9,676392E+08
305	7,184791E+08	4,989428E+08	3,716882E+08	3,716873E+08	4,989462E+08	7,184922E+08	9,676530E+08	1,179651E+09	1,301524E+09	1,301522E+09	1,179641E+09	9,676307E+08
306	7,184540E+08	4,989060E+08	3,716551E+08	3,716575E+08	4,989114E+08	7,184550E+08	9,676290E+08	1,179649E+09	1,301537E+09	1,301528E+09	1,179634E+09	9,676224E+08
307	7,184544E+08	4,989087E+08	3,716517E+08	3,716453E+08	4,988938E+08	7,184376E+08	9,676141E+08	1,179641E+09	1,301541E+09	1,301545E+09	1,179659E+09	9,676510E+08
308	7,184799E+08	4,989205E+08	3,716517E+08	3,716505E+08	4,989141E+08	7,184665E+08	9,676436E+08	1,179669E+09	1,301566E+09	1,301562E+09	1,179654E+09	9,676165E+08
309	7,184305E+08	4,988774E+08	3,716165E+08	3,716133E+08	4,988732E+08	7,184316E+08	9,676205E+08	1,179653E+09	1,301557E+09	1,301563E+09	1,179663E+09	9,676295E+08
310	7,184406E+08	4,988873E+08	3,716274E+08	3,716247E+08	4,988892E+08	7,184530E+08	9,676389E+08	1,179663E+09	1,301558E+09	1,301561E+09	1,179671E+09	9,676488E+08
311	7,184537E+08	4,988793E+08	3,716128E+08	3,716197E+08	4,988938E+08	7,184617E+08	9,676551E+08	1,179689E+09	1,301582E+09	1,301568E+09	1,179654E+09	9,676156E+08
312	7,184228E+08	4,988562E+08	3,715895E+08	3,715908E+08	4,988603E+08	7,184291E+08	9,676266E+08	1,179668E+09	1,301579E+09	1,301583E+09	1,179676E+09	9,676401E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
313	7,184511E+08	4,988907E+08	3,716210E+08	3,716161E+08	4,988870E+08	7,184625E+08	9,676603E+08	1,179690E+09	1,301580E+09	1,301571E+09	1,179669E+09	9,676369E+08
314	7,184409E+08	4,988749E+08	3,716136E+08	3,716167E+08	4,988802E+08	7,184393E+08	9,676337E+08	1,179675E+09	1,301577E+09	1,301564E+09	1,179649E+09	9,676150E+08
315	7,184337E+08	4,988830E+08	3,716281E+08	3,716282E+08	4,988829E+08	7,184274E+08	9,676017E+08	1,179633E+09	1,301544E+09	1,301558E+09	1,179669E+09	9,676529E+08
316	7,184784E+08	4,989251E+08	3,716625E+08	3,716645E+08	4,989296E+08	7,184773E+08	9,676382E+08	1,179643E+09	1,301529E+09	1,301533E+09	1,179645E+09	9,676264E+08
317	7,184512E+08	4,989076E+08	3,716577E+08	3,716594E+08	4,989131E+08	7,184559E+08	9,676221E+08	1,179625E+09	1,301501E+09	1,301497E+09	1,179617E+09	9,676172E+08
318	7,184633E+08	4,989370E+08	3,716938E+08	3,716909E+08	4,989348E+08	7,184655E+08	9,676186E+08	1,179614E+09	1,301486E+09	1,301481E+09	1,179611E+09	9,676331E+08
319	7,184933E+08	4,989621E+08	3,717137E+08	3,717163E+08	4,989644E+08	7,184884E+08	9,676335E+08	1,179627E+09	1,301496E+09	1,301478E+09	1,179585E+09	9,675888E+08
320	7,184546E+08	4,989434E+08	3,717073E+08	3,717068E+08	4,989436E+08	7,184580E+08	9,675972E+08	1,179595E+09	1,301484E+09	1,301488E+09	1,179603E+09	9,676078E+08
321	7,184761E+08	4,989724E+08	3,717381E+08	3,717352E+08	4,989747E+08	7,184930E+08	9,676259E+08	1,179606E+09	1,301476E+09	1,301478E+09	1,179609E+09	9,676224E+08
322	7,184799E+08	4,989597E+08	3,717266E+08	3,717348E+08	4,989773E+08	7,184900E+08	9,676232E+08	1,179609E+09	1,301480E+09	1,301473E+09	1,179589E+09	9,675968E+08
323	7,184607E+08	4,989479E+08	3,717137E+08	3,717143E+08	4,989504E+08	7,184626E+08	9,675969E+08	1,179588E+09	1,301472E+09	1,301484E+09	1,179620E+09	9,676385E+08
324	7,184991E+08	4,989753E+08	3,717266E+08	3,717228E+08	4,989699E+08	7,184972E+08	9,676375E+08	1,179621E+09	1,301488E+09	1,301485E+09	1,179612E+09	9,676219E+08
325	7,184723E+08	4,989430E+08	3,716988E+08	3,716953E+08	4,989335E+08	7,184612E+08	9,676212E+08	1,179623E+09	1,301498E+09	1,301487E+09	1,179599E+09	9,676017E+08
326	7,184577E+08	4,989360E+08	3,716946E+08	3,716900E+08	4,989268E+08	7,184479E+08	9,676002E+08	1,179610E+09	1,301502E+09	1,301508E+09	1,179628E+09	9,676319E+08
327	7,184827E+08	4,989463E+08	3,716914E+08	3,716924E+08	4,989478E+08	7,184806E+08	9,676284E+08	1,179630E+09	1,301518E+09	1,301518E+09	1,179625E+09	9,676059E+08
328	7,184396E+08	4,989041E+08	3,716558E+08	3,716551E+08	4,989077E+08	7,184501E+08	9,676127E+08	1,179623E+09	1,301520E+09	1,301528E+09	1,179637E+09	9,676202E+08
329	7,184504E+08	4,989110E+08	3,716609E+08	3,716589E+08	4,989156E+08	7,184680E+08	9,676403E+08	1,179648E+09	1,301526E+09	1,301523E+09	1,179642E+09	9,676401E+08
330	7,184692E+08	4,989104E+08	3,716517E+08	3,716574E+08	4,989190E+08	7,184674E+08	9,676430E+08	1,179664E+09	1,301546E+09	1,301525E+09	1,179617E+09	9,675994E+08
331	7,184360E+08	4,988933E+08	3,716384E+08	3,716368E+08	4,988887E+08	7,184312E+08	9,676044E+08	1,179633E+09	1,301538E+09	1,301541E+09	1,179648E+09	9,676321E+08
332	7,184661E+08	4,989267E+08	3,716700E+08	3,716649E+08	4,989207E+08	7,184674E+08	9,676328E+08	1,179643E+09	1,301532E+09	1,301534E+09	1,179646E+09	9,676314E+08
333	7,184592E+08	4,989154E+08	3,716668E+08	3,716683E+08	4,989184E+08	7,184578E+08	9,676242E+08	1,179632E+09	1,301515E+09	1,301509E+09	1,179614E+09	9,676017E+08
334	7,184441E+08	4,989170E+08	3,716797E+08	3,716828E+08	4,989265E+08	7,184503E+08	9,675970E+08	1,179598E+09	1,301487E+09	1,301499E+09	1,179627E+09	9,676360E+08
335	7,184925E+08	4,989630E+08	3,717124E+08	3,717144E+08	4,989676E+08	7,184943E+08	9,676291E+08	1,179609E+09	1,301476E+09	1,301473E+09	1,179598E+09	9,676086E+08
336	7,184668E+08	4,989482E+08	3,717106E+08	3,717110E+08	4,989509E+08	7,184705E+08	9,676087E+08	1,179595E+09	1,301468E+09	1,301459E+09	1,179577E+09	9,675957E+08
337	7,184715E+08	4,989705E+08	3,717419E+08	3,717386E+08	4,989685E+08	7,184780E+08	9,676101E+08	1,179590E+09	1,301453E+09	1,301448E+09	1,179582E+09	9,676175E+08
338	7,185024E+08	4,989945E+08	3,717614E+08	3,717672E+08	4,990018E+08	7,184982E+08	9,676141E+08	1,179589E+09	1,301451E+09	1,301438E+09	1,179557E+09	9,675772E+08
339	7,184644E+08	4,989760E+08	3,717555E+08	3,717575E+08	4,989828E+08	7,184738E+08	9,675826E+08	1,179555E+09	1,301431E+09	1,301442E+09	1,179582E+09	9,676106E+08
340	7,184937E+08	4,990033E+08	3,717796E+08	3,717778E+08	4,990070E+08	7,185071E+08	9,676156E+08	1,179570E+09	1,301425E+09	1,301433E+09	1,179584E+09	9,676223E+08
341	7,185033E+08	4,989978E+08	3,717700E+08	3,717732E+08	4,990024E+08	7,185027E+08	9,676224E+08	1,179584E+09	1,301433E+09	1,301419E+09	1,179549E+09	9,675808E+08
342	7,184725E+08	4,989814E+08	3,717577E+08	3,717563E+08	4,989787E+08	7,184712E+08	9,675871E+08	1,179564E+09	1,301436E+09	1,301440E+09	1,179578E+09	9,676155E+08
343	7,185081E+08	4,990094E+08	3,717703E+08	3,717640E+08	4,989960E+08	7,184992E+08	9,676150E+08	1,179584E+09	1,301448E+09	1,301445E+09	1,179578E+09	9,676032E+08
344	7,184788E+08	4,989733E+08	3,717426E+08	3,717410E+08	4,989679E+08	7,184712E+08	9,676002E+08	1,179588E+09	1,301466E+09	1,301461E+09	1,179576E+09	9,675880E+08
345	7,184607E+08	4,989576E+08	3,717298E+08	3,717291E+08	4,989600E+08	7,184675E+08	9,675986E+08	1,179586E+09	1,301466E+09	1,301476E+09	1,179608E+09	9,676257E+08
346	7,184917E+08	4,989688E+08	3,717249E+08	3,717299E+08	4,989773E+08	7,184950E+08	9,676249E+08	1,179605E+09	1,301474E+09	1,301472E+09	1,179593E+09	9,675963E+08
347	7,184518E+08	4,989327E+08	3,716937E+08	3,716934E+08	4,989357E+08	7,184626E+08	9,676088E+08	1,179603E+09	1,301483E+09	1,301485E+09	1,179610E+09	9,676158E+08
348	7,184663E+08	4,989422E+08	3,716994E+08	3,716952E+08	4,989387E+08	7,184726E+08	9,676264E+08	1,179621E+09	1,301495E+09	1,301492E+09	1,179617E+09	9,676299E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
349	7,184847E+08	4,989480E+08	3,716980E+08	3,716984E+08	4,989430E+08	7,184729E+08	9,676312E+08	1,179632E+09	1,301505E+09	1,301487E+09	1,179587E+09	9,675817E+08
350	7,184420E+08	4,989255E+08	3,716877E+08	3,716887E+08	4,989274E+08	7,184429E+08	9,675851E+08	1,179593E+09	1,301490E+09	1,301500E+09	1,179618E+09	9,676176E+08
351	7,184773E+08	4,989618E+08	3,717180E+08	3,717149E+08	4,989591E+08	7,184809E+08	9,676112E+08	1,179591E+09	1,301468E+09	1,301479E+09	1,179614E+09	9,676240E+08
352	7,184763E+08	4,989528E+08	3,717170E+08	3,717206E+08	4,989596E+08	7,184765E+08	9,676117E+08	1,179593E+09	1,301463E+09	1,301456E+09	1,179577E+09	9,675906E+08
353	7,184594E+08	4,989520E+08	3,717258E+08	3,717292E+08	4,989617E+08	7,184685E+08	9,675960E+08	1,179574E+09	1,301441E+09	1,301444E+09	1,179584E+09	9,676198E+08
354	7,185073E+08	4,990006E+08	3,717620E+08	3,717636E+08	4,990008E+08	7,185037E+08	9,676160E+08	1,179577E+09	1,301429E+09	1,301418E+09	1,179551E+09	9,675852E+08
355	7,184774E+08	4,989881E+08	3,717656E+08	3,717658E+08	4,989888E+08	7,184814E+08	9,675930E+08	1,179561E+09	1,301421E+09	1,301413E+09	1,179546E+09	9,675830E+08
356	7,184823E+08	4,990054E+08	3,717913E+08	3,717898E+08	4,990069E+08	7,184908E+08	9,675923E+08	1,179551E+09	1,301409E+09	1,301413E+09	1,179560E+09	9,676094E+08
357	7,185163E+08	4,990314E+08	3,718109E+08	3,718155E+08	4,990386E+08	7,185197E+08	9,676122E+08	1,179555E+09	1,301399E+09	1,301389E+09	1,179527E+09	9,675671E+08
358	7,184753E+08	4,990076E+08	3,718016E+08	3,718063E+08	4,990207E+08	7,184925E+08	9,675798E+08	1,179530E+09	1,301387E+09	1,301394E+09	1,179547E+09	9,675985E+08
359	7,185095E+08	4,990383E+08	3,718217E+08	3,718184E+08	4,990349E+08	7,185148E+08	9,676026E+08	1,179541E+09	1,301384E+09	1,301388E+09	1,179549E+09	9,676114E+08
360	7,185198E+08	4,990351E+08	3,718155E+08	3,718157E+08	4,990301E+08	7,185073E+08	9,676041E+08	1,179557E+09	1,301406E+09	1,301389E+09	1,179520E+09	9,675657E+08
361	7,184802E+08	4,990104E+08	3,717977E+08	3,717954E+08	4,990047E+08	7,184769E+08	9,675740E+08	1,179537E+09	1,301403E+09	1,301410E+09	1,179556E+09	9,676033E+08
362	7,185141E+08	4,990354E+08	3,718100E+08	3,718071E+08	4,990274E+08	7,185060E+08	9,675941E+08	1,179543E+09	1,301400E+09	1,301405E+09	1,179552E+09	9,675931E+08
363	7,184867E+08	4,990006E+08	3,717828E+08	3,717844E+08	4,990031E+08	7,184877E+08	9,675894E+08	1,179549E+09	1,301411E+09	1,301413E+09	1,179553E+09	9,675866E+08
364	7,184737E+08	4,989834E+08	3,717638E+08	3,717649E+08	4,989882E+08	7,184820E+08	9,675945E+08	1,179559E+09	1,301422E+09	1,301431E+09	1,179580E+09	9,676193E+08
365	7,185080E+08	4,990023E+08	3,717640E+08	3,717649E+08	4,990013E+08	7,185087E+08	9,676271E+08	1,179586E+09	1,301434E+09	1,301422E+09	1,179553E+09	9,675778E+08
366	7,184601E+08	4,989641E+08	3,717366E+08	3,717356E+08	4,989641E+08	7,184699E+08	9,675987E+08	1,179581E+09	1,301451E+09	1,301446E+09	1,179571E+09	9,675935E+08
367	7,184746E+08	4,989761E+08	3,717438E+08	3,717385E+08	4,989664E+08	7,184744E+08	9,676030E+08	1,179582E+09	1,301453E+09	1,301456E+09	1,179590E+09	9,676168E+08
368	7,184944E+08	4,989824E+08	3,717462E+08	3,717482E+08	4,989803E+08	7,184830E+08	9,676084E+08	1,179592E+09	1,301465E+09	1,301454E+09	1,179565E+09	9,675727E+08
369	7,184500E+08	4,989542E+08	3,717304E+08	3,717349E+08	4,989655E+08	7,184638E+08	9,675811E+08	1,179560E+09	1,301440E+09	1,301454E+09	1,179590E+09	9,676119E+08
370	7,184918E+08	4,989934E+08	3,717624E+08	3,717628E+08	4,989955E+08	7,184962E+08	9,676026E+08	1,179556E+09	1,301412E+09	1,301419E+09	1,179572E+09	9,676124E+08
371	7,184936E+08	4,989914E+08	3,717660E+08	3,717702E+08	4,989970E+08	7,184928E+08	9,676051E+08	1,179564E+09	1,301412E+09	1,301400E+09	1,179538E+09	9,675794E+08
372	7,184761E+08	4,989914E+08	3,717750E+08	3,717763E+08	4,989936E+08	7,184787E+08	9,675853E+08	1,179546E+09	1,301403E+09	1,301403E+09	1,179550E+09	9,676032E+08
373	7,185203E+08	4,990422E+08	3,718164E+08	3,718140E+08	4,990342E+08	7,185158E+08	9,676065E+08	1,179546E+09	1,301384E+09	1,301373E+09	1,179516E+09	9,675649E+08
374	7,184825E+08	4,990225E+08	3,718189E+08	3,718228E+08	4,990327E+08	7,184978E+08	9,675788E+08	1,179525E+09	1,301377E+09	1,301373E+09	1,179515E+09	9,675688E+08
375	7,184938E+08	4,990406E+08	3,718387E+08	3,718391E+08	4,990449E+08	7,185059E+08	9,675766E+08	1,179506E+09	1,301354E+09	1,301366E+09	1,179533E+09	9,676052E+08
376	7,185335E+08	4,990680E+08	3,718581E+08	3,718629E+08	4,990740E+08	7,185328E+08	9,676003E+08	1,179525E+09	1,301358E+09	1,301345E+09	1,179496E+09	9,675604E+08
377	7,184916E+08	4,990417E+08	3,718441E+08	3,718471E+08	4,990497E+08	7,185037E+08	9,675739E+08	1,179507E+09	1,301349E+09	1,301350E+09	1,179513E+09	9,675880E+08
378	7,185246E+08	4,990730E+08	3,718666E+08	3,718615E+08	4,990603E+08	7,185135E+08	9,675792E+08	1,179503E+09	1,301339E+09	1,301341E+09	1,179511E+09	9,675943E+08
379	7,185300E+08	4,990698E+08	3,718627E+08	3,718631E+08	4,990633E+08	7,185138E+08	9,675829E+08	1,179516E+09	1,301355E+09	1,301347E+09	1,179496E+09	9,675570E+08
380	7,184890E+08	4,990397E+08	3,718389E+08	3,718386E+08	4,990384E+08	7,184898E+08	9,675593E+08	1,179499E+09	1,301358E+09	1,301373E+09	1,179534E+09	9,675947E+08
381	7,185226E+08	4,990639E+08	3,718494E+08	3,718460E+08	4,990589E+08	7,185278E+08	9,675971E+08	1,179516E+09	1,301351E+09	1,301355E+09	1,179518E+09	9,675796E+08
382	7,184926E+08	4,990253E+08	3,718201E+08	3,718251E+08	4,990373E+08	7,185076E+08	9,675940E+08	1,179536E+09	1,301377E+09	1,301369E+09	1,179515E+09	9,675702E+08
383	7,184848E+08	4,990123E+08	3,717981E+08	3,717983E+08	4,990123E+08	7,184902E+08	9,675863E+08	1,179538E+09	1,301391E+09	1,301395E+09	1,179549E+09	9,676062E+08
384	7,185185E+08	4,990339E+08	3,718045E+08	3,718032E+08	4,990259E+08	7,185111E+08	9,676119E+08	1,179567E+09	1,301415E+09	1,301397E+09	1,179529E+09	9,675648E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
385	7,184660E+08	4,989911E+08	3,717756E+08	3,717752E+08	4,989913E+08	7,184750E+08	9,675843E+08	1,179555E+09	1,301420E+09	1,301418E+09	1,179553E+09	9,675861E+08
386	7,184824E+08	4,990035E+08	3,717861E+08	3,717838E+08	4,989984E+08	7,184786E+08	9,675769E+08	1,179535E+09	1,301400E+09	1,301412E+09	1,179565E+09	9,676119E+08
387	7,185082E+08	4,990156E+08	3,717919E+08	3,717963E+08	4,990186E+08	7,185001E+08	9,675955E+08	1,179546E+09	1,301399E+09	1,301398E+09	1,179539E+09	9,675732E+08
388	7,184697E+08	4,989902E+08	3,717749E+08	3,717791E+08	4,989990E+08	7,184792E+08	9,675745E+08	1,179528E+09	1,301386E+09	1,301397E+09	1,179552E+09	9,676016E+08
389	7,185114E+08	4,990363E+08	3,718132E+08	3,718083E+08	4,990277E+08	7,185122E+08	9,675999E+08	1,179530E+09	1,301362E+09	1,301357E+09	1,179519E+09	9,675880E+08
390	7,185042E+08	4,990317E+08	3,718215E+08	3,718253E+08	4,990367E+08	7,185057E+08	9,675940E+08	1,179537E+09	1,301373E+09	1,301352E+09	1,179490E+09	9,675514E+08
391	7,184847E+08	4,990307E+08	3,718279E+08	3,718297E+08	4,990319E+08	7,184878E+08	9,675643E+08	1,179507E+09	1,301358E+09	1,301363E+09	1,179519E+09	9,675874E+08
392	7,185280E+08	4,990787E+08	3,718703E+08	3,718704E+08	4,990780E+08	7,185309E+08	9,675898E+08	1,179511E+09	1,301346E+09	1,301338E+09	1,179492E+09	9,675569E+08
393	7,184916E+08	4,990528E+08	3,718646E+08	3,718714E+08	4,990718E+08	7,185182E+08	9,675761E+08	1,179497E+09	1,301332E+09	1,301330E+09	1,179491E+09	9,675659E+08
394	7,185090E+08	4,990728E+08	3,718838E+08	3,718857E+08	4,990780E+08	7,185155E+08	9,675633E+08	1,179473E+09	1,301304E+09	1,301315E+09	1,179500E+09	9,675988E+08
395	7,185530E+08	4,991070E+08	3,719057E+08	3,719084E+08	4,991065E+08	7,185431E+08	9,675861E+08	1,179489E+09	1,301307E+09	1,301297E+09	1,179466E+09	9,675537E+08
396	7,185089E+08	4,990794E+08	3,718900E+08	3,718892E+08	4,990767E+08	7,185086E+08	9,675570E+08	1,179474E+09	1,301308E+09	1,301310E+09	1,179483E+09	9,675752E+08
397	7,185372E+08	4,991097E+08	3,719143E+08	3,719061E+08	4,990919E+08	7,185242E+08	9,675647E+08	1,179466E+09	1,301289E+09	1,301292E+09	1,179476E+09	9,675770E+08
398	7,185347E+08	4,990982E+08	3,719074E+08	3,719121E+08	4,991040E+08	7,185313E+08	9,675713E+08	1,179481E+09	1,301309E+09	1,301301E+09	1,179460E+09	9,675416E+08
399	7,184976E+08	4,990669E+08	3,718760E+08	3,718778E+08	4,990710E+08	7,185066E+08	9,675531E+08	1,179468E+09	1,301309E+09	1,301326E+09	1,179504E+09	9,675859E+08
400	7,185327E+08	4,990914E+08	3,718870E+08	3,718837E+08	4,990876E+08	7,185399E+08	9,675946E+08	1,179503E+09	1,301323E+09	1,301315E+09	1,179486E+09	9,675669E+08
401	7,185007E+08	4,990509E+08	3,718539E+08	3,718573E+08	4,990601E+08	7,185169E+08	9,675928E+08	1,179526E+09	1,301356E+09	1,301337E+09	1,179485E+09	9,675565E+08
402	7,184924E+08	4,990396E+08	3,718368E+08	3,718351E+08	4,990334E+08	7,184870E+08	9,675641E+08	1,179508E+09	1,301359E+09	1,301362E+09	1,179521E+09	9,675932E+08
403	7,185278E+08	4,990646E+08	3,718474E+08	3,718461E+08	4,990563E+08	7,185159E+08	9,675887E+08	1,179525E+09	1,301368E+09	1,301364E+09	1,179514E+09	9,675624E+08
404	7,184782E+08	4,990215E+08	3,718175E+08	3,718177E+08	4,990241E+08	7,184868E+08	9,675680E+08	1,179515E+09	1,301371E+09	1,301379E+09	1,179532E+09	9,675844E+08
405	7,184984E+08	4,990381E+08	3,718312E+08	3,718276E+08	4,990333E+08	7,184981E+08	9,675718E+08	1,179499E+09	1,301341E+09	1,301352E+09	1,179527E+09	9,676015E+08
406	7,185221E+08	4,990497E+08	3,718392E+08	3,718457E+08	4,990588E+08	7,185198E+08	9,675930E+08	1,179522E+09	1,301353E+09	1,301341E+09	1,179490E+09	9,675547E+08
407	7,184861E+08	4,990293E+08	3,718223E+08	3,718245E+08	4,990322E+08	7,184914E+08	9,675644E+08	1,179500E+09	1,301345E+09	1,301349E+09	1,179510E+09	9,675820E+08
408	7,185212E+08	4,990745E+08	3,718657E+08	3,718590E+08	4,990622E+08	7,185198E+08	9,675862E+08	1,179508E+09	1,301334E+09	1,301321E+09	1,179485E+09	9,675677E+08
409	7,185087E+08	4,990640E+08	3,718707E+08	3,718764E+08	4,990757E+08	7,185195E+08	9,675820E+08	1,179509E+09	1,301338E+09	1,301319E+09	1,179466E+09	9,675404E+08
410	7,184920E+08	4,990616E+08	3,718770E+08	3,718818E+08	4,990707E+08	7,184981E+08	9,675410E+08	1,179459E+09	1,301303E+09	1,301316E+09	1,179492E+09	9,675833E+08
411	7,185436E+08	4,991132E+08	3,719187E+08	3,719208E+08	4,991184E+08	7,185493E+08	9,675779E+08	1,179466E+09	1,301280E+09	1,301284E+09	1,179469E+09	9,675602E+08
412	7,185148E+08	4,990917E+08	3,719118E+08	3,719165E+08	4,991042E+08	7,185304E+08	9,675662E+08	1,179464E+09	1,301280E+09	1,301276E+09	1,179456E+09	9,675603E+08
413	7,185318E+08	4,991164E+08	3,719346E+08	3,719301E+08	4,991075E+08	7,185251E+08	9,675499E+08	1,179438E+09	1,301252E+09	1,301255E+09	1,179452E+09	9,675787E+08
414	7,185655E+08	4,991464E+08	3,719590E+08	3,719602E+08	4,991429E+08	7,185525E+08	9,675698E+08	1,179456E+09	1,301263E+09	1,301249E+09	1,179420E+09	9,675294E+08
415	7,185190E+08	4,991156E+08	3,719381E+08	3,719370E+08	4,991122E+08	7,185183E+08	9,675365E+08	1,179433E+09	1,301261E+09	1,301268E+09	1,179450E+09	9,675581E+08
416	7,185420E+08	4,991392E+08	3,719594E+08	3,719535E+08	4,991300E+08	7,185403E+08	9,675559E+08	1,179441E+09	1,301254E+09	1,301253E+09	1,179446E+09	9,675636E+08
417	7,185388E+08	4,991202E+08	3,719428E+08	3,719510E+08	4,991380E+08	7,185533E+08	9,675771E+08	1,179468E+09	1,301277E+09	1,301264E+09	1,179433E+09	9,675327E+08
418	7,185051E+08	4,990893E+08	3,719100E+08	3,719127E+08	4,990960E+08	7,185148E+08	9,675458E+08	1,179449E+09	1,301278E+09	1,301288E+09	1,179473E+09	9,675764E+08
419	7,185445E+08	4,991190E+08	3,719234E+08	3,719180E+08	4,991118E+08	7,185477E+08	9,675848E+08	1,179478E+09	1,301290E+09	1,301287E+09	1,179468E+09	9,675619E+08
420	7,185141E+08	4,990813E+08	3,718924E+08	3,718914E+08	4,990797E+08	7,185166E+08	9,675753E+08	1,179499E+09	1,301329E+09	1,301314E+09	1,179468E+09	9,675504E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
421	7,185046E+08	4,990718E+08	3,718796E+08	3,718753E+08	4,990615E+08	7,184927E+08	9,675416E+08	1,179466E+09	1,301312E+09	1,301322E+09	1,179495E+09	9,675845E+08
422	7,185379E+08	4,990948E+08	3,718925E+08	3,718938E+08	4,990951E+08	7,185310E+08	9,675717E+08	1,179482E+09	1,301316E+09	1,301316E+09	1,179479E+09	9,675532E+08
423	7,184950E+08	4,990546E+08	3,718600E+08	3,718610E+08	4,990592E+08	7,185034E+08	9,675573E+08	1,179475E+09	1,301313E+09	1,301322E+09	1,179496E+09	9,675753E+08
424	7,185147E+08	4,990742E+08	3,718784E+08	3,718741E+08	4,990682E+08	7,185120E+08	9,675673E+08	1,179480E+09	1,301302E+09	1,301297E+09	1,179480E+09	9,675831E+08
425	7,185331E+08	4,990835E+08	3,718848E+08	3,718903E+08	4,990921E+08	7,185343E+08	9,675890E+08	1,179503E+09	1,301320E+09	1,301296E+09	1,179448E+09	9,675329E+08
426	7,184922E+08	4,990623E+08	3,718728E+08	3,718743E+08	4,990650E+08	7,184964E+08	9,675438E+08	1,179464E+09	1,301304E+09	1,301308E+09	1,179475E+09	9,675634E+08
427	7,185284E+08	4,991080E+08	3,719170E+08	3,719123E+08	4,991035E+08	7,185345E+08	9,675674E+08	1,179462E+09	1,301281E+09	1,301283E+09	1,179465E+09	9,675609E+08
428	7,185203E+08	4,990976E+08	3,719188E+08	3,719253E+08	4,991136E+08	7,185364E+08	9,675703E+08	1,179472E+09	1,301289E+09	1,301278E+09	1,179443E+09	9,675384E+08
429	7,185105E+08	4,990994E+08	3,719264E+08	3,719298E+08	4,991087E+08	7,185183E+08	9,675340E+08	1,179423E+09	1,301245E+09	1,301257E+09	1,179454E+09	9,675758E+08
430	7,185634E+08	4,991523E+08	3,719696E+08	3,719716E+08	4,991569E+08	7,185650E+08	9,675692E+08	1,179437E+09	1,301234E+09	1,301228E+09	1,179421E+09	9,675453E+08
431	7,185368E+08	4,991345E+08	3,719622E+08	3,719629E+08	4,991356E+08	7,185383E+08	9,675498E+08	1,179429E+09	1,301235E+09	1,301228E+09	1,179417E+09	9,675436E+08
432	7,185454E+08	4,991565E+08	3,719883E+08	3,719812E+08	4,991408E+08	7,185295E+08	9,675320E+08	1,179411E+09	1,301217E+09	1,301214E+09	1,179415E+09	9,675582E+08
433	7,185697E+08	4,991761E+08	3,720050E+08	3,720085E+08	4,991807E+08	7,185671E+08	9,675570E+08	1,179425E+09	1,301225E+09	1,301212E+09	1,179393E+09	9,675151E+08
434	7,185219E+08	4,991407E+08	3,719808E+08	3,719826E+08	4,991475E+08	7,185323E+08	9,675213E+08	1,179392E+09	1,301211E+09	1,301224E+09	1,179422E+09	9,675495E+08
435	7,185513E+08	4,991645E+08	3,719973E+08	3,719937E+08	4,991637E+08	7,185598E+08	9,675528E+08	1,179409E+09	1,301204E+09	1,301211E+09	1,179423E+09	9,675595E+08
436	7,185541E+08	4,991493E+08	3,719787E+08	3,719843E+08	4,991610E+08	7,185631E+08	9,675735E+08	1,179451E+09	1,301247E+09	1,301228E+09	1,179406E+09	9,675257E+08
437	7,185217E+08	4,991229E+08	3,719498E+08	3,719470E+08	4,991179E+08	7,185201E+08	9,675324E+08	1,179422E+09	1,301243E+09	1,301248E+09	1,179439E+09	9,675612E+08
438	7,185548E+08	4,991502E+08	3,719668E+08	3,719606E+08	4,991404E+08	7,185519E+08	9,675657E+08	1,179447E+09	1,301256E+09	1,301252E+09	1,179436E+09	9,675476E+08
439	7,185267E+08	4,991128E+08	3,719345E+08	3,719335E+08	4,991103E+08	7,185236E+08	9,675526E+08	1,179455E+09	1,301281E+09	1,301278E+09	1,179447E+09	9,675428E+08
440	7,185146E+08	4,991012E+08	3,719230E+08	3,719203E+08	4,990961E+08	7,185060E+08	9,675308E+08	1,179436E+09	1,301268E+09	1,301277E+09	1,179465E+09	9,675747E+08
441	7,185470E+08	4,991207E+08	3,719310E+08	3,719353E+08	4,991304E+08	7,185526E+08	9,675736E+08	1,179462E+09	1,301275E+09	1,301270E+09	1,179445E+09	9,675415E+08
442	7,185056E+08	4,990837E+08	3,719016E+08	3,719025E+08	4,990894E+08	7,185148E+08	9,675474E+08	1,179447E+09	1,301270E+09	1,301272E+09	1,179454E+09	9,675577E+08
443	7,185260E+08	4,991065E+08	3,719225E+08	3,719173E+08	4,991001E+08	7,185255E+08	9,675584E+08	1,179450E+09	1,301260E+09	1,301259E+09	1,179450E+09	9,675672E+08
444	7,185440E+08	4,991182E+08	3,719320E+08	3,719352E+08	4,991219E+08	7,185419E+08	9,675751E+08	1,179475E+09	1,301286E+09	1,301263E+09	1,179423E+09	9,675219E+08
445	7,185036E+08	4,990975E+08	3,719224E+08	3,719236E+08	4,991020E+08	7,185087E+08	9,675232E+08	1,179421E+09	1,301253E+09	1,301262E+09	1,179445E+09	9,675535E+08
446	7,185408E+08	4,991420E+08	3,719675E+08	3,719657E+08	4,991462E+08	7,185539E+08	9,675547E+08	1,179421E+09	1,301226E+09	1,301231E+09	1,179429E+09	9,675541E+08
447	7,185427E+08	4,991371E+08	3,719682E+08	3,719738E+08	4,991496E+08	7,185511E+08	9,675575E+08	1,179430E+09	1,301230E+09	1,301221E+09	1,179407E+09	9,675310E+08
448	7,185321E+08	4,991426E+08	3,719803E+08	3,719807E+08	4,991430E+08	7,185272E+08	9,675227E+08	1,179398E+09	1,301202E+09	1,301201E+09	1,179407E+09	9,675575E+08
449	7,185781E+08	4,991918E+08	3,720213E+08	3,720212E+08	4,991914E+08	7,185759E+08	9,675568E+08	1,179409E+09	1,301196E+09	1,301182E+09	1,179379E+09	9,675231E+08
450	7,185443E+08	4,991708E+08	3,720158E+08	3,720158E+08	4,991706E+08	7,185434E+08	9,675245E+08	1,179386E+09	1,301186E+09	1,301182E+09	1,179380E+09	9,675240E+08
451	7,185522E+08	4,991889E+08	3,720376E+08	3,720336E+08	4,991832E+08	7,185481E+08	9,675168E+08	1,179365E+09	1,301162E+09	1,301175E+09	1,179394E+09	9,675483E+08
452	7,185788E+08	4,992057E+08	3,720481E+08	3,720527E+08	4,992159E+08	7,185868E+08	9,675534E+08	1,179396E+09	1,301181E+09	1,301173E+09	1,179370E+09	9,675111E+08
453	7,185355E+08	4,991705E+08	3,720209E+08	3,720229E+08	4,991803E+08	7,185518E+08	9,675198E+08	1,179368E+09	1,301168E+09	1,301176E+09	1,179389E+09	9,675398E+08
454	7,185650E+08	4,991942E+08	3,720366E+08	3,720336E+08	4,991941E+08	7,185743E+08	9,675499E+08	1,179392E+09	1,301175E+09	1,301172E+09	1,179386E+09	9,675463E+08
455	7,185707E+08	4,991824E+08	3,720178E+08	3,720195E+08	4,991827E+08	7,185664E+08	9,675589E+08	1,179424E+09	1,301217E+09	1,301199E+09	1,179382E+09	9,675144E+08
456	7,185330E+08	4,991552E+08	3,719934E+08	3,719890E+08	4,991433E+08	7,185200E+08	9,675146E+08	1,179399E+09	1,301215E+09	1,301218E+09	1,179414E+09	9,675485E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
457	7,185608E+08	4,991755E+08	3,720050E+08	3,720016E+08	4,991717E+08	7,185616E+08	9,675486E+08	1,179412E+09	1,301216E+09	1,301218E+09	1,179414E+09	9,675390E+08
458	7,185328E+08	4,991373E+08	3,719735E+08	3,719749E+08	4,991416E+08	7,185351E+08	9,675356E+08	1,179411E+09	1,301224E+09	1,301228E+09	1,179417E+09	9,675361E+08
459	7,185281E+08	4,991294E+08	3,719618E+08	3,719611E+08	4,991297E+08	7,185253E+08	9,675264E+08	1,179399E+09	1,301210E+09	1,301227E+09	1,179434E+09	9,675648E+08
460	7,185622E+08	4,991535E+08	3,719711E+08	3,719722E+08	4,991555E+08	7,185636E+08	9,675694E+08	1,179441E+09	1,301238E+09	1,301224E+09	1,179407E+09	9,675267E+08
461	7,185198E+08	4,991203E+08	3,719473E+08	3,719452E+08	4,991190E+08	7,185250E+08	9,675347E+08	1,179418E+09	1,301230E+09	1,301226E+09	1,179411E+09	9,675352E+08
462	7,185342E+08	4,991406E+08	3,719719E+08	3,719681E+08	4,991369E+08	7,185366E+08	9,675424E+08	1,179417E+09	1,301222E+09	1,301219E+09	1,179412E+09	9,675482E+08
463	7,185551E+08	4,991529E+08	3,719806E+08	3,719851E+08	4,991592E+08	7,185547E+08	9,675570E+08	1,179433E+09	1,301237E+09	1,301224E+09	1,179399E+09	9,675140E+08
464	7,185165E+08	4,991330E+08	3,719736E+08	3,719766E+08	4,991409E+08	7,185240E+08	9,675157E+08	1,179393E+09	1,301206E+09	1,301213E+09	1,179413E+09	9,675447E+08
465	7,185550E+08	4,991754E+08	3,720139E+08	3,720144E+08	4,991839E+08	7,185726E+08	9,675512E+08	1,179396E+09	1,301183E+09	1,301183E+09	1,179394E+09	9,675432E+08
466	7,185578E+08	4,991749E+08	3,720186E+08	3,720226E+08	4,991828E+08	7,185604E+08	9,675409E+08	1,179393E+09	1,301181E+09	1,301170E+09	1,179368E+09	9,675166E+08
467	7,185484E+08	4,991830E+08	3,720326E+08	3,720313E+08	4,991789E+08	7,185396E+08	9,675069E+08	1,179356E+09	1,301152E+09	1,301160E+09	1,179378E+09	9,675423E+08
468	7,185903E+08	4,992301E+08	3,720730E+08	3,720710E+08	4,992249E+08	7,185844E+08	9,675393E+08	1,179374E+09	1,301153E+09	1,301144E+09	1,179352E+09	9,675120E+08
469	7,185561E+08	4,992061E+08	3,720654E+08	3,720675E+08	4,992123E+08	7,185608E+08	9,675063E+08	1,179340E+09	1,301130E+09	1,301132E+09	1,179346E+09	9,675120E+08
470	7,185628E+08	4,992194E+08	3,720828E+08	3,720832E+08	4,992251E+08	7,185717E+08	9,675131E+08	1,179332E+09	1,301111E+09	1,301122E+09	1,179355E+09	9,675382E+08
471	7,185959E+08	4,992389E+08	3,720897E+08	3,720940E+08	4,992468E+08	7,186021E+08	9,675501E+08	1,179369E+09	1,301135E+09	1,301125E+09	1,179339E+09	9,675031E+08
472	7,185521E+08	4,992056E+08	3,720644E+08	3,720635E+08	4,992050E+08	7,185570E+08	9,675150E+08	1,179357E+09	1,301138E+09	1,301134E+09	1,179352E+09	9,675227E+08
473	7,185739E+08	4,992241E+08	3,720765E+08	3,720720E+08	4,992188E+08	7,185797E+08	9,675388E+08	1,179371E+09	1,301150E+09	1,301143E+09	1,179358E+09	9,675290E+08
474	7,185747E+08	4,992110E+08	3,720599E+08	3,720608E+08	4,992084E+08	7,185658E+08	9,675314E+08	1,179382E+09	1,301174E+09	1,301165E+09	1,179358E+09	9,675023E+08
475	7,185396E+08	4,991817E+08	3,720325E+08	3,720308E+08	4,991772E+08	7,185337E+08	9,674970E+08	1,179351E+09	1,301162E+09	1,301183E+09	1,179397E+09	9,675428E+08
476	7,185711E+08	4,992023E+08	3,720419E+08	3,720392E+08	4,992003E+08	7,185761E+08	9,675430E+08	1,179382E+09	1,301171E+09	1,301176E+09	1,179390E+09	9,675362E+08
477	7,185483E+08	4,991670E+08	3,720110E+08	3,720136E+08	4,991730E+08	7,185510E+08	9,675299E+08	1,179383E+09	1,301176E+09	1,301174E+09	1,179377E+09	9,675226E+08
478	7,185416E+08	4,991613E+08	3,720028E+08	3,720025E+08	4,991611E+08	7,185406E+08	9,675242E+08	1,179380E+09	1,301176E+09	1,301179E+09	1,179389E+09	9,675449E+08
479	7,185751E+08	4,991889E+08	3,720157E+08	3,720139E+08	4,991819E+08	7,185700E+08	9,675572E+08	1,179413E+09	1,301203E+09	1,301189E+09	1,179377E+09	9,675102E+08
480	7,185283E+08	4,991550E+08	3,719968E+08	3,719949E+08	4,991511E+08	7,185298E+08	9,675206E+08	1,179394E+09	1,301197E+09	1,301191E+09	1,179383E+09	9,675187E+08
481	7,185386E+08	4,991690E+08	3,720163E+08	3,720172E+08	4,991761E+08	7,185531E+08	9,675294E+08	1,179382E+09	1,301180E+09	1,301183E+09	1,179390E+09	9,675389E+08
482	7,185630E+08	4,991838E+08	3,720271E+08	3,720336E+08	4,991957E+08	7,185687E+08	9,675405E+08	1,179387E+09	1,301177E+09	1,301172E+09	1,179370E+09	9,675094E+08
483	7,185352E+08	4,991701E+08	3,720216E+08	3,720258E+08	4,991793E+08	7,185424E+08	9,675064E+08	1,179351E+09	1,301146E+09	1,301160E+09	1,179380E+09	9,675377E+08
484	7,185767E+08	4,992181E+08	3,720647E+08	3,720611E+08	4,992140E+08	7,185805E+08	9,675388E+08	1,179365E+09	1,301138E+09	1,301133E+09	1,179357E+09	9,675315E+08
485	7,185766E+08	4,992186E+08	3,720734E+08	3,720755E+08	4,992202E+08	7,185702E+08	9,675202E+08	1,179351E+09	1,301127E+09	1,301115E+09	1,179324E+09	9,674963E+08
486	7,185605E+08	4,992234E+08	3,720887E+08	3,720890E+08	4,992226E+08	7,185562E+08	9,674918E+08	1,179316E+09	1,301100E+09	1,301108E+09	1,179336E+09	9,675234E+08
487	7,186013E+08	4,992664E+08	3,721236E+08	3,721230E+08	4,992651E+08	7,186024E+08	9,675276E+08	1,179333E+09	1,301099E+09	1,301097E+09	1,179323E+09	9,675021E+08
488	7,185678E+08	4,992403E+08	3,721141E+08	3,721183E+08	4,992505E+08	7,185800E+08	9,675094E+08	1,179323E+09	1,301088E+09	1,301082E+09	1,179310E+09	9,674988E+08
489	7,185728E+08	4,992479E+08	3,721223E+08	3,721254E+08	4,992588E+08	7,185896E+08	9,675148E+08	1,179318E+09	1,301082E+09	1,301083E+09	1,179322E+09	9,675229E+08
490	7,186033E+08	4,992691E+08	3,721303E+08	3,721324E+08	4,992715E+08	7,186069E+08	9,675362E+08	1,179343E+09	1,301101E+09	1,301089E+09	1,179309E+09	9,674913E+08
491	7,185636E+08	4,992376E+08	3,721062E+08	3,721035E+08	4,992315E+08	7,185621E+08	9,674976E+08	1,179321E+09	1,301103E+09	1,301110E+09	1,179335E+09	9,675132E+08
492	7,185832E+08	4,992539E+08	3,721165E+08	3,721099E+08	4,992413E+08	7,185785E+08	9,675164E+08	1,179337E+09	1,301114E+09	1,301117E+09	1,179344E+09	9,675260E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
493	7,185859E+08	4,992395E+08	3,720986E+08	3,721018E+08	4,992416E+08	7,185765E+08	9,675096E+08	1,179334E+09	1,301118E+09	1,301119E+09	1,179331E+09	9,674970E+08
494	7,185525E+08	4,992106E+08	3,720713E+08	3,720722E+08	4,992119E+08	7,185529E+08	9,674917E+08	1,179317E+09	1,301107E+09	1,301125E+09	1,179358E+09	9,675335E+08
495	7,185877E+08	4,992341E+08	3,720804E+08	3,720766E+08	4,992275E+08	7,185880E+08	9,675382E+08	1,179356E+09	1,301125E+09	1,301124E+09	1,179352E+09	9,675237E+08
496	7,185627E+08	4,992022E+08	3,720552E+08	3,720559E+08	4,992001E+08	7,185588E+08	9,675281E+08	1,179372E+09	1,301145E+09	1,301126E+09	1,179332E+09	9,674985E+08
497	7,185460E+08	4,991908E+08	3,720448E+08	3,720459E+08	4,991923E+08	7,185508E+08	9,675159E+08	1,179361E+09	1,301151E+09	1,301149E+09	1,179358E+09	9,675212E+08
498	7,185731E+08	4,992170E+08	3,720610E+08	3,720604E+08	4,992150E+08	7,185771E+08	9,675362E+08	1,179374E+09	1,301159E+09	1,301154E+09	1,179355E+09	9,674992E+08
499	7,185353E+08	4,991842E+08	3,720411E+08	3,720431E+08	4,991909E+08	7,185485E+08	9,675075E+08	1,179349E+09	1,301147E+09	1,301158E+09	1,179367E+09	9,675155E+08
500	7,185518E+08	4,992011E+08	3,720597E+08	3,720607E+08	4,992082E+08	7,185670E+08	9,675232E+08	1,179353E+09	1,301135E+09	1,301141E+09	1,179367E+09	9,675402E+08
501	7,185845E+08	4,992217E+08	3,720729E+08	3,720799E+08	4,992321E+08	7,185828E+08	9,675278E+08	1,179351E+09	1,301123E+09	1,301115E+09	1,179329E+09	9,675000E+08
502	7,185561E+08	4,992127E+08	3,720734E+08	3,720760E+08	4,992162E+08	7,185573E+08	9,674972E+08	1,179320E+09	1,301099E+09	1,301103E+09	1,179333E+09	9,675215E+08
503	7,185956E+08	4,992623E+08	3,721199E+08	3,721130E+08	4,992476E+08	7,185869E+08	9,675205E+08	1,179328E+09	1,301089E+09	1,301086E+09	1,179322E+09	9,675167E+08
504	7,185897E+08	4,992599E+08	3,721306E+08	3,721333E+08	4,992596E+08	7,185794E+08	9,675056E+08	1,179319E+09	1,301078E+09	1,301064E+09	1,179284E+09	9,674768E+08
505	7,185658E+08	4,992552E+08	3,721373E+08	3,721424E+08	4,992670E+08	7,185785E+08	9,674843E+08	1,179282E+09	1,301053E+09	1,301063E+09	1,179303E+09	9,675072E+08
506	7,186053E+08	4,992970E+08	3,721703E+08	3,721709E+08	4,993018E+08	7,186189E+08	9,675181E+08	1,179295E+09	1,301043E+09	1,301044E+09	1,179288E+09	9,674922E+08
507	7,185819E+08	4,992738E+08	3,721577E+08	3,721620E+08	4,992840E+08	7,185951E+08	9,675024E+08	1,179293E+09	1,301046E+09	1,301042E+09	1,179280E+09	9,674881E+08
508	7,185877E+08	4,992833E+08	3,721650E+08	3,721634E+08	4,992813E+08	7,185923E+08	9,675027E+08	1,179298E+09	1,301054E+09	1,301051E+09	1,179295E+09	9,675141E+08
509	7,186176E+08	4,993038E+08	3,721742E+08	3,721749E+08	4,993004E+08	7,186081E+08	9,675100E+08	1,179302E+09	1,301058E+09	1,301050E+09	1,179280E+09	9,674793E+08
510	7,185745E+08	4,992705E+08	3,721513E+08	3,721496E+08	4,992663E+08	7,185724E+08	9,674791E+08	1,179281E+09	1,301054E+09	1,301064E+09	1,179305E+09	9,675051E+08
511	7,185951E+08	4,992843E+08	3,721584E+08	3,721523E+08	4,992733E+08	7,185899E+08	9,675013E+08	1,179296E+09	1,301060E+09	1,301071E+09	1,179320E+09	9,675226E+08
512	7,185989E+08	4,992693E+08	3,721400E+08	3,721446E+08	4,992734E+08	7,185919E+08	9,675116E+08	1,179315E+09	1,301073E+09	1,301065E+09	1,179292E+09	9,674826E+08
513	7,185609E+08	4,992368E+08	3,721071E+08	3,721106E+08	4,992445E+08	7,185722E+08	9,674958E+08	1,179305E+09	1,301078E+09	1,301085E+09	1,179320E+09	9,675120E+08
514	7,185897E+08	4,992616E+08	3,721195E+08	3,721135E+08	4,992532E+08	7,185961E+08	9,675289E+08	1,179334E+09	1,301093E+09	1,301087E+09	1,179319E+09	9,675059E+08
515	7,185690E+08	4,992317E+08	3,720967E+08	3,720974E+08	4,992306E+08	7,185682E+08	9,675152E+08	1,179343E+09	1,301116E+09	1,301104E+09	1,179312E+09	9,674858E+08
516	7,185520E+08	4,992188E+08	3,720852E+08	3,720864E+08	4,992207E+08	7,185560E+08	9,674990E+08	1,179332E+09	1,301119E+09	1,301123E+09	1,179344E+09	9,675202E+08
517	7,185844E+08	4,992450E+08	3,721013E+08	3,721047E+08	4,992521E+08	7,185905E+08	9,675172E+08	1,179328E+09	1,301103E+09	1,301107E+09	1,179330E+09	9,674989E+08
518	7,185539E+08	4,992192E+08	3,720866E+08	3,720896E+08	4,992283E+08	7,185674E+08	9,675015E+08	1,179314E+09	1,301088E+09	1,301095E+09	1,179328E+09	9,675120E+08
519	7,185757E+08	4,992425E+08	3,721087E+08	3,721058E+08	4,992378E+08	7,185741E+08	9,675093E+08	1,179318E+09	1,301082E+09	1,301084E+09	1,179327E+09	9,675310E+08
520	7,186062E+08	4,992678E+08	3,721294E+08	3,721320E+08	4,992646E+08	7,185897E+08	9,675175E+08	1,179325E+09	1,301078E+09	1,301058E+09	1,179279E+09	9,674757E+08
521	7,185666E+08	4,992530E+08	3,721287E+08	3,721315E+08	4,992568E+08	7,185700E+08	9,674819E+08	1,179287E+09	1,301056E+09	1,301057E+09	1,179290E+09	9,674929E+08
522	7,185958E+08	4,992972E+08	3,721740E+08	3,721683E+08	4,992892E+08	7,185996E+08	9,674991E+08	1,179281E+09	1,301033E+09	1,301036E+09	1,179287E+09	9,675005E+08
523	7,185972E+08	4,992932E+08	3,721809E+08	3,721877E+08	4,993059E+08	7,186037E+08	9,674970E+08	1,179278E+09	1,301027E+09	1,301022E+09	1,179257E+09	9,674673E+08
524	7,185767E+08	4,992867E+08	3,721816E+08	3,721869E+08	4,993008E+08	7,185946E+08	9,674825E+08	1,179261E+09	1,301015E+09	1,301022E+09	1,179278E+09	9,675036E+08
525	7,186212E+08	4,993295E+08	3,722126E+08	3,722142E+08	4,993359E+08	7,186314E+08	9,675072E+08	1,179266E+09	1,301001E+09	1,300997E+09	1,179254E+09	9,674836E+08
526	7,185999E+08	4,993120E+08	3,722046E+08	3,722056E+08	4,993144E+08	7,186051E+08	9,674917E+08	1,179266E+09	1,301008E+09	1,300999E+09	1,179246E+09	9,674781E+08
527	7,186034E+08	4,993202E+08	3,722122E+08	3,722066E+08	4,993069E+08	7,185910E+08	9,674786E+08	1,179261E+09	1,301014E+09	1,301018E+09	1,179274E+09	9,675075E+08
528	7,186307E+08	4,993380E+08	3,722215E+08	3,722219E+08	4,993323E+08	7,186144E+08	9,674930E+08	1,179268E+09	1,301012E+09	1,301005E+09	1,179249E+09	9,674674E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
529	7,185818E+08	4,992968E+08	3,721910E+08	3,721932E+08	4,993041E+08	7,185924E+08	9,674717E+08	1,179247E+09	1,301006E+09	1,301018E+09	1,179273E+09	9,674907E+08
530	7,185999E+08	4,993099E+08	3,721963E+08	3,721908E+08	4,993040E+08	7,186048E+08	9,674946E+08	1,179263E+09	1,301006E+09	1,301015E+09	1,179283E+09	9,675121E+08
531	7,186118E+08	4,992986E+08	3,721778E+08	3,721822E+08	4,993036E+08	7,186068E+08	9,675073E+08	1,179292E+09	1,301038E+09	1,301026E+09	1,179257E+09	9,674667E+08
532	7,185702E+08	4,992662E+08	3,721452E+08	3,721447E+08	4,992661E+08	7,185771E+08	9,674888E+08	1,179292E+09	1,301058E+09	1,301058E+09	1,179293E+09	9,674985E+08
533	7,185965E+08	4,992889E+08	3,721590E+08	3,721543E+08	4,992834E+08	7,186011E+08	9,675082E+08	1,179300E+09	1,301057E+09	1,301054E+09	1,179291E+09	9,674931E+08
534	7,185773E+08	4,992617E+08	3,721394E+08	3,721411E+08	4,992655E+08	7,185822E+08	9,675018E+08	1,179309E+09	1,301073E+09	1,301063E+09	1,179287E+09	9,674817E+08
535	7,185655E+08	4,992499E+08	3,721286E+08	3,721293E+08	4,992522E+08	7,185667E+08	9,674851E+08	1,179295E+09	1,301070E+09	1,301081E+09	1,179323E+09	9,675219E+08
536	7,186046E+08	4,992809E+08	3,721479E+08	3,721502E+08	4,992834E+08	7,186019E+08	9,675131E+08	1,179304E+09	1,301054E+09	1,301050E+09	1,179288E+09	9,674878E+08
537	7,185703E+08	4,992552E+08	3,721333E+08	3,721364E+08	4,992645E+08	7,185834E+08	9,674952E+08	1,179290E+09	1,301048E+09	1,301045E+09	1,179285E+09	9,674905E+08
538	7,185854E+08	4,992819E+08	3,721615E+08	3,721547E+08	4,992706E+08	7,185813E+08	9,674895E+08	1,179278E+09	1,301031E+09	1,301033E+09	1,179287E+09	9,675122E+08
539	7,186174E+08	4,993068E+08	3,721839E+08	3,721865E+08	4,993048E+08	7,186008E+08	9,674958E+08	1,179282E+09	1,301033E+09	1,301020E+09	1,179247E+09	9,674580E+08
540	7,185739E+08	4,992877E+08	3,721799E+08	3,721835E+08	4,992964E+08	7,185836E+08	9,674658E+08	1,179250E+09	1,301013E+09	1,301019E+09	1,179265E+09	9,674849E+08
541	7,186059E+08	4,993279E+08	3,722208E+08	3,722203E+08	4,993340E+08	7,186196E+08	9,674841E+08	1,179235E+09	1,300972E+09	1,300980E+09	1,179251E+09	9,674924E+08
542	7,186142E+08	4,993299E+08	3,722294E+08	3,722367E+08	4,993458E+08	7,186261E+08	9,674959E+08	1,179250E+09	1,300974E+09	1,300960E+09	1,179216E+09	9,674609E+08
543	7,185975E+08	4,993267E+08	3,722307E+08	3,722319E+08	4,993301E+08	7,186020E+08	9,674708E+08	1,179233E+09	1,300973E+09	1,300975E+09	1,179243E+09	9,674956E+08
544	7,186408E+08	4,993707E+08	3,722648E+08	3,722617E+08	4,993642E+08	7,186364E+08	9,674962E+08	1,179242E+09	1,300962E+09	1,300951E+09	1,179213E+09	9,674645E+08
545	7,186100E+08	4,993469E+08	3,722538E+08	3,722553E+08	4,993506E+08	7,186159E+08	9,674752E+08	1,179232E+09	1,300970E+09	1,300963E+09	1,179215E+09	9,674575E+08
546	7,186060E+08	4,993506E+08	3,722582E+08	3,722529E+08	4,993419E+08	7,186011E+08	9,674561E+08	1,179213E+09	1,300960E+09	1,300973E+09	1,179247E+09	9,674983E+08
547	7,186400E+08	4,993659E+08	3,722627E+08	3,722658E+08	4,993697E+08	7,186341E+08	9,674836E+08	1,179232E+09	1,300967E+09	1,300967E+09	1,179222E+09	9,674589E+08
548	7,185926E+08	4,993229E+08	3,722266E+08	3,722286E+08	4,993318E+08	7,186069E+08	9,674720E+08	1,179232E+09	1,300976E+09	1,300980E+09	1,179244E+09	9,674829E+08
549	7,186115E+08	4,993348E+08	3,722295E+08	3,722260E+08	4,993327E+08	7,186163E+08	9,674869E+08	1,179241E+09	1,300973E+09	1,300974E+09	1,179246E+09	9,674977E+08
550	7,186243E+08	4,993303E+08	3,722179E+08	3,722194E+08	4,993299E+08	7,186179E+08	9,675021E+08	1,179274E+09	1,301009E+09	1,300989E+09	1,179227E+09	9,674555E+08
551	7,185804E+08	4,992965E+08	3,721871E+08	3,721834E+08	4,992888E+08	7,185761E+08	9,674680E+08	1,179261E+09	1,301027E+09	1,301032E+09	1,179277E+09	9,674933E+08
552	7,186073E+08	4,993181E+08	3,722021E+08	3,721974E+08	4,993133E+08	7,186098E+08	9,674946E+08	1,179266E+09	1,301013E+09	1,301015E+09	1,179265E+09	9,674848E+08
553	7,185876E+08	4,992896E+08	3,721805E+08	3,721850E+08	4,993019E+08	7,186006E+08	9,674923E+08	1,179273E+09	1,301024E+09	1,301018E+09	1,179256E+09	9,674692E+08
554	7,185759E+08	4,992816E+08	3,721718E+08	3,721713E+08	4,992827E+08	7,185769E+08	9,674697E+08	1,179255E+09	1,301012E+09	1,301022E+09	1,179284E+09	9,675127E+08
555	7,186237E+08	4,993191E+08	3,721958E+08	3,721961E+08	4,993170E+08	7,186131E+08	9,674975E+08	1,179270E+09	1,301013E+09	1,301004E+09	1,179247E+09	9,674707E+08
556	7,185846E+08	4,992938E+08	3,721837E+08	3,721833E+08	4,992954E+08	7,185898E+08	9,674795E+08	1,179261E+09	1,301011E+09	1,301005E+09	1,179249E+09	9,674732E+08
557	7,185949E+08	4,993163E+08	3,722122E+08	3,722087E+08	4,993124E+08	7,185928E+08	9,674665E+08	1,179232E+09	1,300977E+09	1,300983E+09	1,179248E+09	9,674946E+08
558	7,186278E+08	4,993437E+08	3,722370E+08	3,722416E+08	4,993505E+08	7,186249E+08	9,674867E+08	1,179242E+09	1,300975E+09	1,300963E+09	1,179213E+09	9,674493E+08
559	7,185868E+08	4,993227E+08	3,722307E+08	3,722345E+08	4,993349E+08	7,186017E+08	9,674589E+08	1,179217E+09	1,300962E+09	1,300970E+09	1,179236E+09	9,674807E+08
560	7,186240E+08	4,993641E+08	3,722702E+08	3,722694E+08	4,993699E+08	7,186383E+08	9,674865E+08	1,179215E+09	1,300929E+09	1,300926E+09	1,179208E+09	9,674774E+08
561	7,186296E+08	4,993667E+08	3,722775E+08	3,722843E+08	4,993819E+08	7,186430E+08	9,674914E+08	1,179229E+09	1,300942E+09	1,300920E+09	1,179178E+09	9,674394E+08
562	7,186074E+08	4,993648E+08	3,722810E+08	3,722782E+08	4,993593E+08	7,186057E+08	9,674500E+08	1,179197E+09	1,300930E+09	1,300934E+09	1,179213E+09	9,674834E+08
563	7,186540E+08	4,994070E+08	3,723147E+08	3,723112E+08	4,993986E+08	7,186419E+08	9,674701E+08	1,179201E+09	1,300924E+09	1,300921E+09	1,179190E+09	9,674540E+08
564	7,186196E+08	4,993773E+08	3,722978E+08	3,723000E+08	4,993840E+08	7,186264E+08	9,674575E+08	1,179194E+09	1,300926E+09	1,300927E+09	1,179195E+09	9,674541E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
565	7,186180E+08	4,993769E+08	3,722967E+08	3,722961E+08	4,993785E+08	7,186177E+08	9,674424E+08	1,179169E+09	1,300900E+09	1,300918E+09	1,179212E+09	9,674906E+08
566	7,186566E+08	4,993982E+08	3,723024E+08	3,723043E+08	4,994005E+08	7,186526E+08	9,674833E+08	1,179207E+09	1,300917E+09	1,300908E+09	1,179183E+09	9,674499E+08
567	7,186085E+08	4,993567E+08	3,722681E+08	3,722656E+08	4,993544E+08	7,186123E+08	9,674628E+08	1,179213E+09	1,300945E+09	1,300942E+09	1,179211E+09	9,674702E+08
568	7,186245E+08	4,993673E+08	3,722729E+08	3,722660E+08	4,993566E+08	7,186215E+08	9,674781E+08	1,179220E+09	1,300943E+09	1,300937E+09	1,179208E+09	9,674741E+08
569	7,186275E+08	4,993576E+08	3,722598E+08	3,722633E+08	4,993629E+08	7,186291E+08	9,674888E+08	1,179246E+09	1,300978E+09	1,300961E+09	1,179201E+09	9,674353E+08
570	7,185813E+08	4,993226E+08	3,722281E+08	3,722258E+08	4,993209E+08	7,185870E+08	9,674494E+08	1,179218E+09	1,300977E+09	1,300992E+09	1,179255E+09	9,674887E+08
571	7,186189E+08	4,993455E+08	3,722418E+08	3,722394E+08	4,993464E+08	7,186246E+08	9,674823E+08	1,179232E+09	1,300971E+09	1,300977E+09	1,179241E+09	9,674793E+08
572	7,186027E+08	4,993193E+08	3,722194E+08	3,722235E+08	4,993304E+08	7,186130E+08	9,674870E+08	1,179250E+09	1,300988E+09	1,300979E+09	1,179228E+09	9,674629E+08
573	7,185925E+08	4,993139E+08	3,722137E+08	3,722145E+08	4,993155E+08	7,185874E+08	9,674536E+08	1,179218E+09	1,300964E+09	1,300972E+09	1,179243E+09	9,674970E+08
574	7,186400E+08	4,993590E+08	3,722463E+08	3,722438E+08	4,993506E+08	7,186259E+08	9,674860E+08	1,179238E+09	1,300965E+09	1,300952E+09	1,179210E+09	9,674568E+08
575	7,185970E+08	4,993318E+08	3,722370E+08	3,722357E+08	4,993309E+08	7,185974E+08	9,674591E+08	1,179222E+09	1,300965E+09	1,300963E+09	1,179220E+09	9,674628E+08
576	7,186072E+08	4,993511E+08	3,722638E+08	3,722623E+08	4,993536E+08	7,186131E+08	9,674594E+08	1,179195E+09	1,300923E+09	1,300929E+09	1,179208E+09	9,674777E+08
577	7,186377E+08	4,993769E+08	3,722862E+08	3,722943E+08	4,993945E+08	7,186515E+08	9,674867E+08	1,179212E+09	1,300924E+09	1,300911E+09	1,179174E+09	9,674315E+08
578	7,185986E+08	4,993596E+08	3,722799E+08	3,722823E+08	4,993687E+08	7,186151E+08	9,674495E+08	1,179184E+09	1,300910E+09	1,300915E+09	1,179197E+09	9,674697E+08
579	7,186427E+08	4,994045E+08	3,723210E+08	3,723179E+08	4,994027E+08	7,186469E+08	9,674700E+08	1,179187E+09	1,300898E+09	1,300890E+09	1,179172E+09	9,674613E+08
580	7,186442E+08	4,994059E+08	3,723282E+08	3,723317E+08	4,994119E+08	7,186468E+08	9,674718E+08	1,179198E+09	1,300910E+09	1,300891E+09	1,179153E+09	9,674278E+08
581	7,186190E+08	4,993980E+08	3,723289E+08	3,723294E+08	4,993977E+08	7,186135E+08	9,674218E+08	1,179146E+09	1,300876E+09	1,300890E+09	1,179184E+09	9,674733E+08
582	7,186677E+08	4,994426E+08	3,723628E+08	3,723603E+08	4,994377E+08	7,186611E+08	9,674589E+08	1,179159E+09	1,300864E+09	1,300867E+09	1,179162E+09	9,674514E+08
583	7,186345E+08	4,994098E+08	3,723423E+08	3,723443E+08	4,994157E+08	7,186393E+08	9,674490E+08	1,179162E+09	1,300876E+09	1,300878E+09	1,179165E+09	9,674492E+08
584	7,186346E+08	4,994084E+08	3,723379E+08	3,723365E+08	4,994083E+08	7,186352E+08	9,674462E+08	1,179151E+09	1,300859E+09	1,300866E+09	1,179168E+09	9,674699E+08
585	7,186659E+08	4,994291E+08	3,723430E+08	3,723444E+08	4,994308E+08	7,186688E+08	9,674826E+08	1,179190E+09	1,300891E+09	1,300874E+09	1,179146E+09	9,674236E+08
586	7,186112E+08	4,993861E+08	3,723087E+08	3,723039E+08	4,993780E+08	7,186152E+08	9,674465E+08	1,179184E+09	1,300912E+09	1,300912E+09	1,179186E+09	9,674563E+08
587	7,186303E+08	4,993935E+08	3,723121E+08	3,723076E+08	4,993866E+08	7,186275E+08	9,674566E+08	1,179189E+09	1,300917E+09	1,300917E+09	1,179192E+09	9,674649E+08
588	7,186335E+08	4,993809E+08	3,722951E+08	3,723009E+08	4,993917E+08	7,186394E+08	9,674748E+08	1,179213E+09	1,300941E+09	1,300933E+09	1,179188E+09	9,674354E+08
589	7,185935E+08	4,993458E+08	3,722621E+08	3,722649E+08	4,993528E+08	7,186000E+08	9,674356E+08	1,179176E+09	1,300918E+09	1,300939E+09	1,179224E+09	9,674849E+08
590	7,186393E+08	4,993808E+08	3,722831E+08	3,722786E+08	4,993746E+08	7,186377E+08	9,674766E+08	1,179202E+09	1,300916E+09	1,300917E+09	1,179203E+09	9,674727E+08
591	7,186219E+08	4,993584E+08	3,722669E+08	3,722664E+08	4,993559E+08	7,186166E+08	9,674713E+08	1,179220E+09	1,300946E+09	1,300932E+09	1,179191E+09	9,674490E+08
592	7,186083E+08	4,993534E+08	3,722654E+08	3,722638E+08	4,993483E+08	7,185989E+08	9,674433E+08	1,179185E+09	1,300918E+09	1,300922E+09	1,179197E+09	9,674695E+08
593	7,186453E+08	4,993944E+08	3,722983E+08	3,722985E+08	4,993939E+08	7,186459E+08	9,674755E+08	1,179202E+09	1,300920E+09	1,300909E+09	1,179173E+09	9,674313E+08
594	7,186002E+08	4,993650E+08	3,722869E+08	3,722883E+08	4,993718E+08	7,186162E+08	9,674477E+08	1,179182E+09	1,300911E+09	1,300913E+09	1,179188E+09	9,674523E+08
595	7,186196E+08	4,993841E+08	3,723112E+08	3,723132E+08	4,993938E+08	7,186320E+08	9,674524E+08	1,179169E+09	1,300886E+09	1,300887E+09	1,179176E+09	9,674664E+08
596	7,186512E+08	4,994106E+08	3,723313E+08	3,723396E+08	4,994277E+08	7,186655E+08	9,674823E+08	1,179193E+09	1,300893E+09	1,300876E+09	1,179146E+09	9,674242E+08
597	7,186156E+08	4,993958E+08	3,723277E+08	3,723309E+08	4,994026E+08	7,186233E+08	9,674310E+08	1,179146E+09	1,300865E+09	1,300871E+09	1,179164E+09	9,674585E+08
598	7,186616E+08	4,994478E+08	3,723747E+08	3,723678E+08	4,994345E+08	7,186533E+08	9,674509E+08	1,179147E+09	1,300846E+09	1,300845E+09	1,179147E+09	9,674550E+08
599	7,186598E+08	4,994462E+08	3,723824E+08	3,723846E+08	4,994468E+08	7,186511E+08	9,674442E+08	1,179150E+09	1,300858E+09	1,300850E+09	1,179131E+09	9,674250E+08
600	7,186360E+08	4,994349E+08	3,723788E+08	3,723802E+08	4,994374E+08	7,186334E+08	9,674105E+08	1,179098E+09	1,300811E+09	1,300830E+09	1,179143E+09	9,674580E+08

1 Longitude $\ominus$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
601	7,186788E+08	4,994750E+08	3,724079E+08	3,724078E+08	4,994770E+08	7,186849E+08	9,674586E+08	1,179128E+09	1,300810E+09	1,300808E+09	1,179118E+09	9,674306E+08
602	7,186445E+08	4,994431E+08	3,723850E+08	3,723865E+08	4,994460E+08	7,186522E+08	9,674437E+08	1,179136E+09	1,300830E+09	1,300823E+09	1,179123E+09	9,674327E+08
603	7,186460E+08	4,994405E+08	3,723795E+08	3,723774E+08	4,994362E+08	7,186425E+08	9,674352E+08	1,179134E+09	1,300839E+09	1,300836E+09	1,179133E+09	9,674475E+08
604	7,186688E+08	4,994561E+08	3,723821E+08	3,723830E+08	4,994565E+08	7,186743E+08	9,674713E+08	1,179171E+09	1,300869E+09	1,300854E+09	1,179129E+09	9,674118E+08
605	7,186150E+08	4,994085E+08	3,723451E+08	3,723453E+08	4,994097E+08	7,186230E+08	9,674258E+08	1,179143E+09	1,300868E+09	1,300879E+09	1,179167E+09	9,674499E+08
606	7,186404E+08	4,994211E+08	3,723493E+08	3,723456E+08	4,994163E+08	7,186422E+08	9,674487E+08	1,179155E+09	1,300865E+09	1,300873E+09	1,179174E+09	9,674676E+08
607	7,186486E+08	4,994103E+08	3,723331E+08	3,723383E+08	4,994171E+08	7,186471E+08	9,674647E+08	1,179185E+09	1,300898E+09	1,300891E+09	1,179165E+09	9,674358E+08
608	7,186139E+08	4,993796E+08	3,723021E+08	3,723031E+08	4,993807E+08	7,186143E+08	9,674332E+08	1,179151E+09	1,300873E+09	1,300886E+09	1,179180E+09	9,674662E+08
609	7,186519E+08	4,994168E+08	3,723287E+08	3,723227E+08	4,994061E+08	7,186509E+08	9,674705E+08	1,179178E+09	1,300880E+09	1,300874E+09	1,179162E+09	9,674471E+08
610	7,186288E+08	4,993948E+08	3,723159E+08	3,723145E+08	4,993872E+08	7,186221E+08	9,674528E+08	1,179184E+09	1,300900E+09	1,300889E+09	1,179159E+09	9,674326E+08
611	7,186157E+08	4,993862E+08	3,723141E+08	3,723161E+08	4,993881E+08	7,186109E+08	9,674243E+08	1,179151E+09	1,300884E+09	1,300888E+09	1,179169E+09	9,674534E+08
612	7,186496E+08	4,994233E+08	3,723428E+08	3,723465E+08	4,994329E+08	7,186655E+08	9,674685E+08	1,179170E+09	1,300875E+09	1,300871E+09	1,179150E+09	9,674257E+08
613	7,186125E+08	4,993943E+08	3,723298E+08	3,723362E+08	4,994100E+08	7,186329E+08	9,674377E+08	1,179144E+09	1,300854E+09	1,300858E+09	1,179153E+09	9,674453E+08
614	7,186408E+08	4,994253E+08	3,723599E+08	3,723595E+08	4,994264E+08	7,186453E+08	9,674456E+08	1,179140E+09	1,300834E+09	1,300832E+09	1,179143E+09	9,674610E+08
615	7,186718E+08	4,994550E+08	3,723856E+08	3,723891E+08	4,994566E+08	7,186658E+08	9,674597E+08	1,179157E+09	1,300850E+09	1,300833E+09	1,179115E+09	9,674156E+08
616	7,186348E+08	4,994398E+08	3,723842E+08	3,723847E+08	4,994393E+08	7,186342E+08	9,674128E+08	1,179102E+09	1,300809E+09	1,300818E+09	1,179123E+09	9,674388E+08
617	7,186722E+08	4,994873E+08	3,724304E+08	3,724253E+08	4,994793E+08	7,186716E+08	9,674351E+08	1,179102E+09	1,300789E+09	1,300794E+09	1,179110E+09	9,674354E+08
618	7,186678E+08	4,994815E+08	3,724322E+08	3,724364E+08	4,994869E+08	7,186688E+08	9,674320E+08	1,179106E+09	1,300794E+09	1,300791E+09	1,179095E+09	9,674149E+08
619	7,186491E+08	4,994675E+08	3,724235E+08	3,724276E+08	4,994755E+08	7,186520E+08	9,674070E+08	1,179078E+09	1,300775E+09	1,300783E+09	1,179103E+09	9,674404E+08
620	7,186869E+08	4,995039E+08	3,724468E+08	3,724468E+08	4,995068E+08	7,186998E+08	9,674592E+08	1,179115E+09	1,300785E+09	1,300774E+09	1,179086E+09	9,674164E+08
621	7,186528E+08	4,994700E+08	3,724231E+08	3,724258E+08	4,994735E+08	7,186593E+08	9,674323E+08	1,179112E+09	1,300798E+09	1,300788E+09	1,179092E+09	9,674180E+08
622	7,186555E+08	4,994718E+08	3,724201E+08	3,724163E+08	4,994617E+08	7,186475E+08	9,674225E+08	1,179108E+09	1,300803E+09	1,300805E+09	1,179117E+09	9,674431E+08
623	7,186765E+08	4,994838E+08	3,724220E+08	3,724230E+08	4,994829E+08	7,186759E+08	9,674482E+08	1,179134E+09	1,300832E+09	1,300828E+09	1,179118E+09	9,674150E+08
624	7,186297E+08	4,994372E+08	3,723832E+08	3,723835E+08	4,994404E+08	7,186397E+08	9,674175E+08	1,179103E+09	1,300813E+09	1,300829E+09	1,179137E+09	9,674424E+08
625	7,186540E+08	4,994519E+08	3,723890E+08	3,723851E+08	4,994467E+08	7,186568E+08	9,674441E+08	1,179125E+09	1,300817E+09	1,300822E+09	1,179136E+09	9,674525E+08
626	7,186626E+08	4,994455E+08	3,723751E+08	3,723774E+08	4,994428E+08	7,186527E+08	9,674512E+08	1,179154E+09	1,300851E+09	1,300838E+09	1,179124E+09	9,674218E+08
627	7,186286E+08	4,994163E+08	3,723483E+08	3,723480E+08	4,994113E+08	7,186196E+08	9,674165E+08	1,179128E+09	1,300847E+09	1,300848E+09	1,179140E+09	9,674415E+08
628	7,186550E+08	4,994473E+08	3,723737E+08	3,723691E+08	4,994401E+08	7,186608E+08	9,674575E+08	1,179151E+09	1,300847E+09	1,300843E+09	1,179136E+09	9,674319E+08
629	7,186325E+08	4,994215E+08	3,723603E+08	3,723652E+08	4,994288E+08	7,186381E+08	9,674371E+08	1,179141E+09	1,300847E+09	1,300843E+09	1,179130E+09	9,674224E+08
630	7,186261E+08	4,994186E+08	3,723593E+08	3,723630E+08	4,994259E+08	7,186316E+08	9,674213E+08	1,179118E+09	1,300827E+09	1,300838E+09	1,179145E+09	9,674514E+08
631	7,186635E+08	4,994569E+08	3,723889E+08	3,723927E+08	4,994660E+08	7,186776E+08	9,674605E+08	1,179143E+09	1,300833E+09	1,300827E+09	1,179123E+09	9,674248E+08
632	7,186350E+08	4,994350E+08	3,723788E+08	3,723824E+08	4,994446E+08	7,186496E+08	9,674312E+08	1,179113E+09	1,300806E+09	1,300804E+09	1,179109E+09	9,674276E+08
633	7,186565E+08	4,994682E+08	3,724145E+08	3,724108E+08	4,994612E+08	7,186554E+08	9,674320E+08	1,179108E+09	1,300791E+09	1,300787E+09	1,179102E+09	9,674399E+08
634	7,186842E+08	4,994972E+08	3,724415E+08	3,724435E+08	4,994926E+08	7,186705E+08	9,674342E+08	1,179111E+09	1,300796E+09	1,300784E+09	1,179083E+09	9,674050E+08
635	7,186487E+08	4,994784E+08	3,724381E+08	3,724413E+08	4,994827E+08	7,186465E+08	9,673905E+08	1,179061E+09	1,300762E+09	1,300770E+09	1,179088E+09	9,674241E+08
636	7,186802E+08	4,995185E+08	3,724765E+08	3,724747E+08	4,995199E+08	7,186924E+08	9,674293E+08	1,179067E+09	1,300736E+09	1,300744E+09	1,179078E+09	9,674269E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
637	7,186799E+08	4,995110E+08	3,724750E+08	3,724829E+08	4,995239E+08	7,186859E+08	9,674255E+08	1,179072E+09	1,300737E+09	1,300730E+09	1,179052E+09	9,674013E+08
638	7,186647E+08	4,995043E+08	3,724677E+08	3,724687E+08	4,995047E+08	7,186646E+08	9,674039E+08	1,179057E+09	1,300734E+09	1,300736E+09	1,179069E+09	9,674271E+08
639	7,186969E+08	4,995381E+08	3,724922E+08	3,724884E+08	4,995317E+08	7,187010E+08	9,674425E+08	1,179092E+09	1,300758E+09	1,300746E+09	1,179062E+09	9,674064E+08
640	7,186648E+08	4,995031E+08	3,724671E+08	3,724679E+08	4,995044E+08	7,186700E+08	9,674176E+08	1,179078E+09	1,300759E+09	1,300753E+09	1,179064E+09	9,674021E+08
641	7,186613E+08	4,995009E+08	3,724627E+08	3,724601E+08	4,994961E+08	7,186614E+08	9,674105E+08	1,179075E+09	1,300762E+09	1,300769E+09	1,179093E+09	9,674330E+08
642	7,186856E+08	4,995114E+08	3,724607E+08	3,724624E+08	4,995121E+08	7,186858E+08	9,674355E+08	1,179098E+09	1,300781E+09	1,300782E+09	1,179093E+09	9,674142E+08
643	7,186456E+08	4,994662E+08	3,724214E+08	3,724227E+08	4,994702E+08	7,186500E+08	9,674096E+08	1,179085E+09	1,300782E+09	1,300787E+09	1,179102E+09	9,674295E+08
644	7,186643E+08	4,994803E+08	3,724260E+08	3,724214E+08	4,994738E+08	7,186676E+08	9,674382E+08	1,179106E+09	1,300787E+09	1,300787E+09	1,179106E+09	9,674401E+08
645	7,186716E+08	4,994737E+08	3,724154E+08	3,724182E+08	4,994712E+08	7,186586E+08	9,674351E+08	1,179121E+09	1,300809E+09	1,300796E+09	1,179090E+09	9,674062E+08
646	7,186383E+08	4,994497E+08	3,723934E+08	3,723924E+08	4,994439E+08	7,186295E+08	9,674029E+08	1,179095E+09	1,300802E+09	1,300810E+09	1,179119E+09	9,674328E+08
647	7,186612E+08	4,994765E+08	3,724185E+08	3,724155E+08	4,994748E+08	7,186705E+08	9,674384E+08	1,179112E+09	1,300803E+09	1,300805E+09	1,179114E+09	9,674295E+08
648	7,186472E+08	4,994533E+08	3,724036E+08	3,724095E+08	4,994672E+08	7,186621E+08	9,674335E+08	1,179104E+09	1,300788E+09	1,300785E+09	1,179091E+09	9,674106E+08
649	7,186407E+08	4,994546E+08	3,724067E+08	3,724097E+08	4,994619E+08	7,186497E+08	9,674195E+08	1,179093E+09	1,300778E+09	1,300781E+09	1,179101E+09	9,674358E+08
650	7,186805E+08	4,994971E+08	3,724388E+08	3,724389E+08	4,994957E+08	7,186827E+08	9,674439E+08	1,179109E+09	1,300785E+09	1,300773E+09	1,179082E+09	9,674124E+08
651	7,186533E+08	4,994783E+08	3,724346E+08	3,724358E+08	4,994799E+08	7,186538E+08	9,674101E+08	1,179083E+09	1,300772E+09	1,300762E+09	1,179069E+09	9,674062E+08
652	7,186650E+08	4,995060E+08	3,724682E+08	3,724650E+08	4,995010E+08	7,186658E+08	9,674112E+08	1,179068E+09	1,300747E+09	1,300749E+09	1,179075E+09	9,674274E+08
653	7,186925E+08	4,995298E+08	3,724925E+08	3,724987E+08	4,995363E+08	7,186868E+08	9,674147E+08	1,179061E+09	1,300733E+09	1,300728E+09	1,179047E+09	9,673946E+08
654	7,186632E+08	4,995152E+08	3,724880E+08	3,724919E+08	4,995234E+08	7,186682E+08	9,673872E+08	1,179026E+09	1,300702E+09	1,300714E+09	1,179056E+09	9,674168E+08
655	7,186935E+08	4,995523E+08	3,725229E+08	3,725209E+08	4,995537E+08	7,187053E+08	9,674224E+08	1,179044E+09	1,300697E+09	1,300697E+09	1,179044E+09	9,674191E+08
656	7,186984E+08	4,995485E+08	3,725206E+08	3,725253E+08	4,995573E+08	7,187048E+08	9,674226E+08	1,179048E+09	1,300698E+09	1,300682E+09	1,179010E+09	9,673805E+08
657	7,186747E+08	4,995407E+08	3,725164E+08	3,725138E+08	4,995352E+08	7,186744E+08	9,673950E+08	1,179035E+09	1,300703E+09	1,300703E+09	1,179037E+09	9,674081E+08
658	7,187036E+08	4,995693E+08	3,725374E+08	3,725330E+08	4,995615E+08	7,187039E+08	9,674194E+08	1,179054E+09	1,300719E+09	1,300714E+09	1,179043E+09	9,674020E+08
659	7,186764E+08	4,995327E+08	3,725099E+08	3,725128E+08	4,995391E+08	7,186792E+08	9,673983E+08	1,179045E+09	1,300724E+09	1,300720E+09	1,179041E+09	9,673946E+08
660	7,186695E+08	4,995246E+08	3,724980E+08	3,724978E+08	4,995271E+08	7,186763E+08	9,674029E+08	1,179044E+09	1,300718E+09	1,300730E+09	1,179070E+09	9,674310E+08
661	7,186991E+08	4,995368E+08	3,724963E+08	3,724993E+08	4,995394E+08	7,186951E+08	9,674246E+08	1,179066E+09	1,300731E+09	1,300727E+09	1,179055E+09	9,674049E+08
662	7,186632E+08	4,995010E+08	3,724624E+08	3,724595E+08	4,994950E+08	7,186576E+08	9,674004E+08	1,179058E+09	1,300738E+09	1,300740E+09	1,179068E+09	9,674154E+08
663	7,186736E+08	4,995123E+08	3,724700E+08	3,724627E+08	4,994999E+08	7,186701E+08	9,674197E+08	1,179077E+09	1,300754E+09	1,300753E+09	1,179077E+09	9,674276E+08
664	7,186827E+08	4,995064E+08	3,724599E+08	3,724626E+08	4,995082E+08	7,186768E+08	9,674223E+08	1,179082E+09	1,300760E+09	1,300750E+09	1,179054E+09	9,673864E+08
665	7,186428E+08	4,994796E+08	3,724390E+08	3,724393E+08	4,994825E+08	7,186500E+08	9,673973E+08	1,179064E+09	1,300757E+09	1,300766E+09	1,179084E+09	9,674179E+08
666	7,186694E+08	4,995045E+08	3,724608E+08	3,724593E+08	4,995087E+08	7,186857E+08	9,674313E+08	1,179082E+09	1,300756E+09	1,300756E+09	1,179083E+09	9,674240E+08
667	7,186646E+08	4,994874E+08	3,724483E+08	3,724544E+08	4,995006E+08	7,186734E+08	9,674261E+08	1,179089E+09	1,300761E+09	1,300742E+09	1,179052E+09	9,673946E+08
668	7,186526E+08	4,994887E+08	3,724521E+08	3,724534E+08	4,994929E+08	7,186597E+08	9,674095E+08	1,179070E+09	1,300747E+09	1,300746E+09	1,179071E+09	9,674242E+08
669	7,186933E+08	4,995326E+08	3,724895E+08	3,724885E+08	4,995277E+08	7,186861E+08	9,674203E+08	1,179067E+09	1,300735E+09	1,300727E+09	1,179049E+09	9,674001E+08
670	7,186687E+08	4,995190E+08	3,724897E+08	3,724900E+08	4,995187E+08	7,186637E+08	9,673878E+08	1,179036E+09	1,300714E+09	1,300717E+09	1,179045E+09	9,673988E+08
671	7,186772E+08	4,995425E+08	3,725211E+08	3,725192E+08	4,995424E+08	7,186800E+08	9,673899E+08	1,179019E+09	1,300689E+09	1,300700E+09	1,179047E+09	9,674247E+08
672	7,187124E+08	4,995682E+08	3,725419E+08	3,725482E+08	4,995797E+08	7,187143E+08	9,674096E+08	1,179019E+09	1,300665E+09	1,300660E+09	1,179000E+09	9,673784E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
673	7,186789E+08	4,995548E+08	3,725397E+08	3,725417E+08	4,995614E+08	7,186882E+08	9,673868E+08	1,179004E+09	1,300656E+09	1,300655E+09	1,179005E+09	9,673959E+08
674	7,187071E+08	4,995896E+08	3,725721E+08	3,725676E+08	4,995846E+08	7,187125E+08	9,674091E+08	1,179017E+09	1,300659E+09	1,300652E+09	1,179004E+09	9,674022E+08
675	7,187110E+08	4,995853E+08	3,725710E+08	3,725745E+08	4,995904E+08	7,187101E+08	9,674070E+08	1,179028E+09	1,300676E+09	1,300652E+09	1,178978E+09	9,673601E+08
676	7,186779E+08	4,995690E+08	3,725605E+08	3,725598E+08	4,995701E+08	7,186864E+08	9,673805E+08	1,179004E+09	1,300670E+09	1,300678E+09	1,179022E+09	9,674014E+08
677	7,187094E+08	4,995927E+08	3,725764E+08	3,725750E+08	4,995935E+08	7,187158E+08	9,674032E+08	1,179011E+09	1,300665E+09	1,300670E+09	1,179020E+09	9,673998E+08
678	7,186920E+08	4,995622E+08	3,725485E+08	3,725513E+08	4,995688E+08	7,186938E+08	9,673926E+08	1,179013E+09	1,300674E+09	1,300676E+09	1,179019E+09	9,673928E+08
679	7,186851E+08	4,995539E+08	3,725353E+08	3,725336E+08	4,995519E+08	7,186827E+08	9,673897E+08	1,179017E+09	1,300682E+09	1,300690E+09	1,179040E+09	9,674249E+08
680	7,187178E+08	4,995703E+08	3,725347E+08	3,725338E+08	4,995662E+08	7,187087E+08	9,674152E+08	1,179036E+09	1,300688E+09	1,300679E+09	1,179013E+09	9,673832E+08
681	7,186720E+08	4,995348E+08	3,725080E+08	3,725023E+08	4,995242E+08	7,186671E+08	9,673910E+08	1,179034E+09	1,300704E+09	1,300701E+09	1,179031E+09	9,673943E+08
682	7,186786E+08	4,995397E+08	3,725125E+08	3,725068E+08	4,995315E+08	7,186768E+08	9,673998E+08	1,179041E+09	1,300712E+09	1,300714E+09	1,179050E+09	9,674166E+08
683	7,186916E+08	4,995348E+08	3,725028E+08	3,725082E+08	4,995445E+08	7,186920E+08	9,674129E+08	1,179056E+09	1,300724E+09	1,300710E+09	1,179024E+09	9,673732E+08
684	7,186496E+08	4,995050E+08	3,724779E+08	3,724806E+08	4,995158E+08	7,186686E+08	9,673952E+08	1,179039E+09	1,300716E+09	1,300725E+09	1,179057E+09	9,674108E+08
685	7,186818E+08	4,995334E+08	3,725018E+08	3,725002E+08	4,995367E+08	7,186941E+08	9,674189E+08	1,179051E+09	1,300708E+09	1,300704E+09	1,179044E+09	9,674131E+08
686	7,186843E+08	4,995278E+08	3,724978E+08	3,724998E+08	4,995303E+08	7,186800E+08	9,674095E+08	1,179054E+09	1,300717E+09	1,300702E+09	1,179022E+09	9,673823E+08
687	7,186670E+08	4,995283E+08	3,725059E+08	3,725052E+08	4,995262E+08	7,186621E+08	9,673815E+08	1,179027E+09	1,300704E+09	1,300708E+09	1,179044E+09	9,674159E+08
688	7,187109E+08	4,995736E+08	3,725436E+08	3,725427E+08	4,995719E+08	7,187057E+08	9,674003E+08	1,179015E+09	1,300671E+09	1,300671E+09	1,179011E+09	9,673844E+08
689	7,186811E+08	4,995587E+08	3,725464E+08	3,725477E+08	4,995648E+08	7,186882E+08	9,673813E+08	1,178996E+09	1,300654E+09	1,300656E+09	1,179001E+09	9,673839E+08
690	7,186912E+08	4,995778E+08	3,725716E+08	3,725717E+08	4,995833E+08	7,186998E+08	9,673840E+08	1,178986E+09	1,300633E+09	1,300640E+09	1,179005E+09	9,674126E+08
691	7,187303E+08	4,996072E+08	3,725926E+08	3,725987E+08	4,996181E+08	7,187314E+08	9,674079E+08	1,179005E+09	1,300634E+09	1,300612E+09	1,178955E+09	9,673559E+08
692	7,186875E+08	4,995885E+08	3,725864E+08	3,725874E+08	4,995944E+08	7,187028E+08	9,673825E+08	1,178986E+09	1,300630E+09	1,300625E+09	1,178977E+09	9,673800E+08
693	7,187137E+08	4,996195E+08	3,726182E+08	3,726140E+08	4,996147E+08	7,187174E+08	9,673904E+08	1,178984E+09	1,300621E+09	1,300617E+09	1,178978E+09	9,673916E+08
694	7,187231E+08	4,996189E+08	3,726173E+08	3,726212E+08	4,996237E+08	7,187179E+08	9,673857E+08	1,178985E+09	1,300630E+09	1,300622E+09	1,178965E+09	9,673577E+08
695	7,186892E+08	4,995975E+08	3,726016E+08	3,726022E+08	4,996015E+08	7,186958E+08	9,673610E+08	1,178961E+09	1,300621E+09	1,300640E+09	1,179004E+09	9,674052E+08
696	7,187306E+08	4,996252E+08	3,726146E+08	3,726120E+08	4,996244E+08	7,187341E+08	9,673949E+08	1,178972E+09	1,300604E+09	1,300610E+09	1,178980E+09	9,673883E+08
697	7,187087E+08	4,995977E+08	3,725914E+08	3,725907E+08	4,995955E+08	7,187045E+08	9,673866E+08	1,178989E+09	1,300630E+09	1,300621E+09	1,178971E+09	9,673734E+08
698	7,186982E+08	4,995870E+08	3,725776E+08	3,725732E+08	4,995768E+08	7,186864E+08	9,673737E+08	1,178988E+09	1,300644E+09	1,300646E+09	1,179001E+09	9,674055E+08
699	7,187276E+08	4,996035E+08	3,725800E+08	3,725785E+08	4,995967E+08	7,187149E+08	9,674013E+08	1,179015E+09	1,300662E+09	1,300645E+09	1,178978E+09	9,673584E+08
700	7,186709E+08	4,995586E+08	3,725479E+08	3,725462E+08	4,995597E+08	7,186841E+08	9,673831E+08	1,179007E+09	1,300672E+09	1,300673E+09	1,179010E+09	9,673821E+08
701	7,186793E+08	4,995592E+08	3,725491E+08	3,725480E+08	4,995639E+08	7,186926E+08	9,673920E+08	1,179008E+09	1,300665E+09	1,300672E+09	1,179024E+09	9,674096E+08
702	7,187037E+08	4,995627E+08	3,725415E+08	3,725482E+08	4,995751E+08	7,187073E+08	9,674096E+08	1,179030E+09	1,300682E+09	1,300674E+09	1,179003E+09	9,673686E+08
703	7,186645E+08	4,995362E+08	3,725185E+08	3,725203E+08	4,995428E+08	7,186762E+08	9,673828E+08	1,179013E+09	1,300683E+09	1,300690E+09	1,179032E+09	9,674072E+08
704	7,187038E+08	4,995731E+08	3,725473E+08	3,725416E+08	4,995664E+08	7,187054E+08	9,674032E+08	1,179013E+09	1,300660E+09	1,300658E+09	1,179007E+09	9,673968E+08
705	7,186994E+08	4,995702E+08	3,725533E+08	3,725528E+08	4,995659E+08	7,186886E+08	9,673910E+08	1,179015E+09	1,300669E+09	1,300655E+09	1,178985E+09	9,673675E+08
706	7,186811E+08	4,995660E+08	3,725596E+08	3,725610E+08	4,995676E+08	7,186737E+08	9,673566E+08	1,178976E+09	1,300644E+09	1,300656E+09	1,179011E+09	9,674069E+08
707	7,187273E+08	4,996119E+08	3,725967E+08	3,725985E+08	4,996160E+08	7,187263E+08	9,673924E+08	1,178981E+09	1,300617E+09	1,300613E+09	1,178968E+09	9,673676E+08
708	7,186919E+08	4,995926E+08	3,725951E+08	3,725993E+08	4,996064E+08	7,187130E+08	9,673837E+08	1,178971E+09	1,300604E+09	1,300601E+09	1,178961E+09	9,673685E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
709	7,187022E+08	4,996112E+08	3,726191E+08	3,726187E+08	4,996156E+08	7,187117E+08	9,673756E+08	1,178958E+09	1,300586E+09	1,300584E+09	1,178959E+09	9,673925E+08
710	7,187441E+08	4,996472E+08	3,726443E+08	3,726476E+08	4,996503E+08	7,187404E+08	9,673947E+08	1,178973E+09	1,300597E+09	1,300579E+09	1,178927E+09	9,673403E+08
711	7,186976E+08	4,996247E+08	3,726370E+08	3,726372E+08	4,996270E+08	7,187068E+08	9,673586E+08	1,178948E+09	1,300593E+09	1,300597E+09	1,178957E+09	9,673737E+08
712	7,187284E+08	4,996544E+08	3,726635E+08	3,726597E+08	4,996516E+08	7,187330E+08	9,673710E+08	1,178937E+09	1,300565E+09	1,300571E+09	1,178950E+09	9,673820E+08
713	7,187362E+08	4,996536E+08	3,726644E+08	3,726684E+08	4,996594E+08	7,187346E+08	9,673776E+08	1,178950E+09	1,300578E+09	1,300571E+09	1,178931E+09	9,673513E+08
714	7,187061E+08	4,996288E+08	3,726426E+08	3,726440E+08	4,996318E+08	7,187059E+08	9,673489E+08	1,178928E+09	1,300572E+09	1,300588E+09	1,178969E+09	9,673972E+08
715	7,187486E+08	4,996601E+08	3,726568E+08	3,726526E+08	4,996522E+08	7,187430E+08	9,673894E+08	1,178956E+09	1,300573E+09	1,300565E+09	1,178938E+09	9,673663E+08
716	7,187146E+08	4,996270E+08	3,726322E+08	3,726310E+08	4,996237E+08	7,187160E+08	9,673812E+08	1,178969E+09	1,300601E+09	1,300590E+09	1,178942E+09	9,673537E+08
717	7,186984E+08	4,996111E+08	3,726173E+08	3,726143E+08	4,996045E+08	7,186920E+08	9,673576E+08	1,178956E+09	1,300605E+09	1,300611E+09	1,178973E+09	9,673891E+08
718	7,187319E+08	4,996302E+08	3,726201E+08	3,726215E+08	4,996307E+08	7,187288E+08	9,673875E+08	1,178977E+09	1,300620E+09	1,300619E+09	1,178964E+09	9,673525E+08
719	7,186783E+08	4,995825E+08	3,725840E+08	3,725855E+08	4,995909E+08	7,186983E+08	9,673734E+08	1,178975E+09	1,300630E+09	1,300639E+09	1,178993E+09	9,673839E+08
720	7,186978E+08	4,995891E+08	3,725840E+08	3,725834E+08	4,995937E+08	7,187100E+08	9,673873E+08	1,178977E+09	1,300613E+09	1,300618E+09	1,178987E+09	9,673997E+08
721	7,187213E+08	4,996005E+08	3,725869E+08	3,725900E+08	4,996022E+08	7,187156E+08	9,674016E+08	1,179006E+09	1,300642E+09	1,300622E+09	1,178961E+09	9,673549E+08
722	7,186816E+08	4,995741E+08	3,725672E+08	3,725669E+08	4,995720E+08	7,186788E+08	9,673608E+08	1,178975E+09	1,300638E+09	1,300646E+09	1,178997E+09	9,673931E+08
723	7,187199E+08	4,996150E+08	3,726020E+08	3,725957E+08	4,996028E+08	7,187127E+08	9,673851E+08	1,178979E+09	1,300616E+09	1,300613E+09	1,178971E+09	9,673762E+08
724	7,187053E+08	4,996043E+08	3,726044E+08	3,726076E+08	4,996099E+08	7,187100E+08	9,673808E+08	1,178976E+09	1,300617E+09	1,300609E+09	1,178955E+09	9,673541E+08
725	7,186875E+08	4,995970E+08	3,726082E+08	3,726129E+08	4,996083E+08	7,186941E+08	9,673499E+08	1,178938E+09	1,300584E+09	1,300597E+09	1,178970E+09	9,673932E+08
726	7,187418E+08	4,996488E+08	3,726458E+08	3,726489E+08	4,996548E+08	7,187454E+08	9,673880E+08	1,178950E+09	1,300569E+09	1,300566E+09	1,178934E+09	9,673539E+08
727	7,187056E+08	4,996288E+08	3,726425E+08	3,726462E+08	4,996393E+08	7,187243E+08	9,673745E+08	1,178947E+09	1,300571E+09	1,300563E+09	1,178929E+09	9,673580E+08
728	7,187199E+08	4,996509E+08	3,726669E+08	3,726645E+08	4,996491E+08	7,187239E+08	9,673621E+08	1,178924E+09	1,300542E+09	1,300541E+09	1,178924E+09	9,673748E+08
729	7,187549E+08	4,996870E+08	3,726987E+08	3,727003E+08	4,996851E+08	7,187473E+08	9,673757E+08	1,178937E+09	1,300553E+09	1,300538E+09	1,178898E+09	9,673312E+08
730	7,187112E+08	4,996592E+08	3,726861E+08	3,726884E+08	4,996646E+08	7,187162E+08	9,673342E+08	1,178898E+09	1,300538E+09	1,300553E+09	1,178934E+09	9,673719E+08
731	7,187468E+08	4,996910E+08	3,727108E+08	3,727074E+08	4,996867E+08	7,187466E+08	9,673618E+08	1,178904E+09	1,300512E+09	1,300518E+09	1,178914E+09	9,673704E+08
732	7,187483E+08	4,996850E+08	3,727062E+08	3,727113E+08	4,996926E+08	7,187515E+08	9,673746E+08	1,178924E+09	1,300531E+09	1,300519E+09	1,178894E+09	9,673376E+08
733	7,187157E+08	4,996594E+08	3,726837E+08	3,726836E+08	4,996581E+08	7,187130E+08	9,673376E+08	1,178900E+09	1,300527E+09	1,300535E+09	1,178925E+09	9,673767E+08
734	7,187578E+08	4,996931E+08	3,727005E+08	3,726948E+08	4,996806E+08	7,187499E+08	9,673753E+08	1,178925E+09	1,300538E+09	1,300536E+09	1,178912E+09	9,673485E+08
735	7,187181E+08	4,996540E+08	3,726728E+08	3,726735E+08	4,996547E+08	7,187244E+08	9,673665E+08	1,178940E+09	1,300569E+09	1,300564E+09	1,178924E+09	9,673461E+08
736	7,187067E+08	4,996371E+08	3,726525E+08	3,726527E+08	4,996391E+08	7,187115E+08	9,673493E+08	1,178921E+09	1,300558E+09	1,300570E+09	1,178948E+09	9,673788E+08
737	7,187388E+08	4,996575E+08	3,726594E+08	3,726620E+08	4,996624E+08	7,187461E+08	9,673877E+08	1,178955E+09	1,300579E+09	1,300573E+09	1,178934E+09	9,673485E+08
738	7,186942E+08	4,996111E+08	3,726209E+08	3,726234E+08	4,996187E+08	7,187076E+08	9,673643E+08	1,178950E+09	1,300591E+09	1,300597E+09	1,178964E+09	9,673786E+08
739	7,187173E+08	4,996256E+08	3,726264E+08	3,726225E+08	4,996181E+08	7,187148E+08	9,673800E+08	1,178961E+09	1,300583E+09	1,300578E+09	1,178952E+09	9,673823E+08
740	7,187311E+08	4,996351E+08	3,726329E+08	3,726347E+08	4,996320E+08	7,187235E+08	9,673896E+08	1,178979E+09	1,300607E+09	1,300588E+09	1,178933E+09	9,673404E+08
741	7,186878E+08	4,996071E+08	3,726160E+08	3,726162E+08	4,996053E+08	7,186831E+08	9,673362E+08	1,178931E+09	1,300584E+09	1,300597E+09	1,178964E+09	9,673793E+08
742	7,187303E+08	4,996504E+08	3,726526E+08	3,726489E+08	4,996446E+08	7,187287E+08	9,673660E+08	1,178928E+09	1,300558E+09	1,300570E+09	1,178946E+09	9,673681E+08
743	7,187176E+08	4,996379E+08	3,726521E+08	3,726583E+08	4,996504E+08	7,187294E+08	9,673722E+08	1,178937E+09	1,300560E+09	1,300556E+09	1,178922E+09	9,673479E+08
744	7,187068E+08	4,996352E+08	3,726536E+08	3,726586E+08	4,996458E+08	7,187138E+08	9,673446E+08	1,178905E+09	1,300526E+09	1,300532E+09	1,178921E+09	9,673733E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
745	7,187556E+08	4,996913E+08	3,727003E+08	3,726999E+08	4,996894E+08	7,187572E+08	9,673802E+08	1,178926E+09	1,300528E+09	1,300511E+09	1,178887E+09	9,673362E+08
746	7,187211E+08	4,996696E+08	3,726969E+08	3,726994E+08	4,996745E+08	7,187289E+08	9,673520E+08	1,178910E+09	1,300529E+09	1,300523E+09	1,178897E+09	9,673440E+08
747	7,187343E+08	4,996923E+08	3,727223E+08	3,727196E+08	4,996868E+08	7,187325E+08	9,673458E+08	1,178891E+09	1,300499E+09	1,300500E+09	1,178894E+09	9,673594E+08
748	7,187612E+08	4,997198E+08	3,727486E+08	3,727534E+08	4,997276E+08	7,187675E+08	9,673662E+08	1,178899E+09	1,300502E+09	1,300494E+09	1,178874E+09	9,673241E+08
749	7,187197E+08	4,996895E+08	3,727315E+08	3,727352E+08	4,997001E+08	7,187318E+08	9,673250E+08	1,178861E+09	1,300480E+09	1,300496E+09	1,178898E+09	9,673632E+08
750	7,187626E+08	4,997252E+08	3,727547E+08	3,727516E+08	4,997203E+08	7,187607E+08	9,673528E+08	1,178871E+09	1,300469E+09	1,300477E+09	1,178884E+09	9,673594E+08
751	7,187616E+08	4,997174E+08	3,727471E+08	3,727506E+08	4,997207E+08	7,187608E+08	9,673652E+08	1,178901E+09	1,300499E+09	1,300484E+09	1,178865E+09	9,673264E+08
752	7,187290E+08	4,996921E+08	3,727232E+08	3,727219E+08	4,996873E+08	7,187230E+08	9,673259E+08	1,178871E+09	1,300488E+09	1,300495E+09	1,178891E+09	9,673576E+08
753	7,187622E+08	4,997234E+08	3,727446E+08	3,727392E+08	4,997124E+08	7,187587E+08	9,673626E+08	1,178898E+09	1,300502E+09	1,300497E+09	1,178884E+09	9,673400E+08
754	7,187267E+08	4,996791E+08	3,727109E+08	3,727148E+08	4,996879E+08	7,187363E+08	9,673522E+08	1,178905E+09	1,300527E+09	1,300527E+09	1,178904E+09	9,673441E+08
755	7,187213E+08	4,996664E+08	3,726906E+08	3,726906E+08	4,996672E+08	7,187252E+08	9,673503E+08	1,178902E+09	1,300516E+09	1,300525E+09	1,178917E+09	9,673686E+08
756	7,187486E+08	4,996849E+08	3,726961E+08	3,726983E+08	4,996889E+08	7,187578E+08	9,673851E+08	1,178936E+09	1,300543E+09	1,300530E+09	1,178903E+09	9,673369E+08
757	7,187040E+08	4,996428E+08	3,726626E+08	3,726612E+08	4,996420E+08	7,187093E+08	9,673472E+08	1,178919E+09	1,300550E+09	1,300551E+09	1,178926E+09	9,673627E+08
758	7,187299E+08	4,996627E+08	3,726750E+08	3,726689E+08	4,996484E+08	7,187165E+08	9,673530E+08	1,178917E+09	1,300543E+09	1,300548E+09	1,178926E+09	9,673680E+08
759	7,187395E+08	4,996680E+08	3,726800E+08	3,726832E+08	4,996680E+08	7,187321E+08	9,673674E+08	1,178936E+09	1,300560E+09	1,300550E+09	1,178910E+09	9,673342E+08
760	7,187012E+08	4,996408E+08	3,726611E+08	3,726646E+08	4,996480E+08	7,187050E+08	9,673254E+08	1,178887E+09	1,300522E+09	1,300538E+09	1,178926E+09	9,673661E+08
761	7,187411E+08	4,996856E+08	3,727026E+08	3,727001E+08	4,996846E+08	7,187490E+08	9,673646E+08	1,178900E+09	1,300504E+09	1,300506E+09	1,178901E+09	9,673582E+08
762	7,187347E+08	4,996739E+08	3,727000E+08	3,727071E+08	4,996881E+08	7,187447E+08	9,673648E+08	1,178910E+09	1,300516E+09	1,300504E+09	1,178882E+09	9,673349E+08
763	7,187248E+08	4,996776E+08	3,727060E+08	3,727072E+08	4,996783E+08	7,187257E+08	9,673413E+08	1,178886E+09	1,300491E+09	1,300487E+09	1,178880E+09	9,673509E+08
764	7,187619E+08	4,997273E+08	3,727528E+08	3,727522E+08	4,997263E+08	7,187689E+08	9,673685E+08	1,178898E+09	1,300492E+09	1,300476E+09	1,178859E+09	9,673210E+08
765	7,187272E+08	4,997042E+08	3,727492E+08	3,727524E+08	4,997125E+08	7,187368E+08	9,673276E+08	1,178865E+09	1,300478E+09	1,300478E+09	1,178869E+09	9,673360E+08
766	7,187479E+08	4,997282E+08	3,727729E+08	3,727723E+08	4,997282E+08	7,187472E+08	9,673243E+08	1,178840E+09	1,300445E+09	1,300462E+09	1,178873E+09	9,673568E+08
767	7,187772E+08	4,997532E+08	3,727933E+08	3,727990E+08	4,997631E+08	7,187832E+08	9,673573E+08	1,178864E+09	1,300448E+09	1,300443E+09	1,178844E+09	9,673228E+08
768	7,187421E+08	4,997267E+08	3,727740E+08	3,727763E+08	4,997326E+08	7,187459E+08	9,673168E+08	1,178829E+09	1,300425E+09	1,300432E+09	1,178850E+09	9,673451E+08
769	7,187762E+08	4,997638E+08	3,728036E+08	3,727965E+08	4,997498E+08	7,187687E+08	9,673428E+08	1,178847E+09	1,300429E+09	1,300423E+09	1,178838E+09	9,673424E+08
770	7,187737E+08	4,997515E+08	3,727934E+08	3,727962E+08	4,997526E+08	7,187666E+08	9,673460E+08	1,178868E+09	1,300462E+09	1,300448E+09	1,178835E+09	9,673111E+08
771	7,187381E+08	4,997246E+08	3,727679E+08	3,727658E+08	4,997193E+08	7,187349E+08	9,673185E+08	1,178847E+09	1,300453E+09	1,300460E+09	1,178863E+09	9,673404E+08
772	7,187621E+08	4,997458E+08	3,727833E+08	3,727814E+08	4,997480E+08	7,187789E+08	9,673613E+08	1,178875E+09	1,300467E+09	1,300463E+09	1,178863E+09	9,673320E+08
773	7,187321E+08	4,997027E+08	3,727469E+08	3,727511E+08	4,997149E+08	7,187465E+08	9,673443E+08	1,178879E+09	1,300485E+09	1,300483E+09	1,178873E+09	9,673369E+08
774	7,187347E+08	4,996953E+08	3,727279E+08	3,727269E+08	4,996932E+08	7,187319E+08	9,673361E+08	1,178874E+09	1,300487E+09	1,300497E+09	1,178893E+09	9,673610E+08
775	7,187620E+08	4,997153E+08	3,727349E+08	3,727340E+08	4,997120E+08	7,187612E+08	9,673700E+08	1,178909E+09	1,300511E+09	1,300500E+09	1,178880E+09	9,673307E+08
776	7,187194E+08	4,996764E+08	3,727046E+08	3,727021E+08	4,996713E+08	7,187142E+08	9,673257E+08	1,178879E+09	1,300501E+09	1,300506E+09	1,178893E+09	9,673476E+08
777	7,187388E+08	4,996975E+08	3,727250E+08	3,727194E+08	4,996861E+08	7,187273E+08	9,673331E+08	1,178875E+09	1,300490E+09	1,300495E+09	1,178893E+09	9,673620E+08
778	7,187540E+08	4,997006E+08	3,727270E+08	3,727332E+08	4,997098E+08	7,187500E+08	9,673514E+08	1,178890E+09	1,300500E+09	1,300496E+09	1,178877E+09	9,673276E+08
779	7,187194E+08	4,996783E+08	3,727097E+08	3,727126E+08	4,996849E+08	7,187259E+08	9,673295E+08	1,178864E+09	1,300469E+09	1,300476E+09	1,178878E+09	9,673465E+08
780	7,187498E+08	4,997190E+08	3,727506E+08	3,727486E+08	4,997220E+08	7,187679E+08	9,673654E+08	1,178883E+09	1,300465E+09	1,300454E+09	1,178856E+09	9,673363E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
781	7,187427E+08	4,997108E+08	3,727514E+08	3,727555E+08	4,997205E+08	7,187524E+08	9,673501E+08	1,178881E+09	1,300475E+09	1,300457E+09	1,178840E+09	9,673145E+08
782	7,187355E+08	4,997169E+08	3,727611E+08	3,727614E+08	4,997162E+08	7,187334E+08	9,673172E+08	1,178845E+09	1,300454E+09	1,300460E+09	1,178857E+09	9,673390E+08
783	7,187721E+08	4,997619E+08	3,728032E+08	3,728038E+08	4,997656E+08	7,187816E+08	9,673494E+08	1,178856E+09	1,300445E+09	1,300440E+09	1,178840E+09	9,673205E+08
784	7,187452E+08	4,997401E+08	3,727967E+08	3,728021E+08	4,997540E+08	7,187557E+08	9,673145E+08	1,178820E+09	1,300416E+09	1,300421E+09	1,178834E+09	9,673289E+08
785	7,187657E+08	4,997668E+08	3,728237E+08	3,728226E+08	4,997659E+08	7,187628E+08	9,673158E+08	1,178808E+09	1,300391E+09	1,300399E+09	1,178832E+09	9,673519E+08
786	7,187987E+08	4,997907E+08	3,728400E+08	3,728444E+08	4,997967E+08	7,187942E+08	9,673444E+08	1,178833E+09	1,300405E+09	1,300394E+09	1,178806E+09	9,673106E+08
787	7,187607E+08	4,997678E+08	3,728239E+08	3,728208E+08	4,997611E+08	7,187565E+08	9,673139E+08	1,178810E+09	1,300389E+09	1,300389E+09	1,178808E+09	9,673203E+08
788	7,187785E+08	4,997936E+08	3,728500E+08	3,728431E+08	4,997828E+08	7,187791E+08	9,673326E+08	1,178823E+09	1,300397E+09	1,300390E+09	1,178809E+09	9,673224E+08
789	7,187741E+08	4,997780E+08	3,728361E+08	3,728401E+08	4,997858E+08	7,187767E+08	9,673278E+08	1,178831E+09	1,300420E+09	1,300411E+09	1,178810E+09	9,673015E+08
790	7,187459E+08	4,997509E+08	3,728075E+08	3,728076E+08	4,997534E+08	7,187499E+08	9,673033E+08	1,178808E+09	1,300413E+09	1,300433E+09	1,178845E+09	9,673367E+08
791	7,187729E+08	4,997689E+08	3,728159E+08	3,728143E+08	4,997734E+08	7,187907E+08	9,673552E+08	1,178850E+09	1,300428E+09	1,300425E+09	1,178840E+09	9,673319E+08
792	7,187514E+08	4,997326E+08	3,727812E+08	3,727840E+08	4,997390E+08	7,187533E+08	9,673322E+08	1,178851E+09	1,300443E+09	1,300433E+09	1,178835E+09	9,673237E+08
793	7,187490E+08	4,997304E+08	3,727725E+08	3,727677E+08	4,997181E+08	7,187332E+08	9,673167E+08	1,178843E+09	1,300446E+09	1,300449E+09	1,178858E+09	9,673508E+08
794	7,187762E+08	4,997488E+08	3,727807E+08	3,727790E+08	4,997429E+08	7,187646E+08	9,673446E+08	1,178867E+09	1,300467E+09	1,300462E+09	1,178852E+09	9,673198E+08
795	7,187327E+08	4,997122E+08	3,727533E+08	3,727500E+08	4,997074E+08	7,187313E+08	9,673188E+08	1,178844E+09	1,300449E+09	1,300456E+09	1,178856E+09	9,673290E+08
796	7,187419E+08	4,997248E+08	3,727702E+08	3,727685E+08	4,997280E+08	7,187530E+08	9,673342E+08	1,178848E+09	1,300441E+09	1,300444E+09	1,178856E+09	9,673452E+08
797	7,187614E+08	4,997310E+08	3,727711E+08	3,727782E+08	4,997459E+08	7,187687E+08	9,673479E+08	1,178865E+09	1,300454E+09	1,300441E+09	1,178834E+09	9,673121E+08
798	7,187330E+08	4,997133E+08	3,727566E+08	3,727587E+08	4,997194E+08	7,187396E+08	9,673184E+08	1,178839E+09	1,300441E+09	1,300445E+09	1,178846E+09	9,673309E+08
799	7,187608E+08	4,997522E+08	3,727967E+08	3,727927E+08	4,997519E+08	7,187766E+08	9,673540E+08	1,178858E+09	1,300436E+09	1,300424E+09	1,178832E+09	9,673277E+08
800	7,187582E+08	4,997477E+08	3,728007E+08	3,728051E+08	4,997556E+08	7,187583E+08	9,673269E+08	1,178841E+09	1,300429E+09	1,300415E+09	1,178811E+09	9,673034E+08
801	7,187487E+08	4,997557E+08	3,728164E+08	3,728172E+08	4,997570E+08	7,187445E+08	9,672938E+08	1,178798E+09	1,300397E+09	1,300409E+09	1,178830E+09	9,673404E+08
802	7,187934E+08	4,998003E+08	3,728550E+08	3,728565E+08	4,998062E+08	7,187970E+08	9,673306E+08	1,178806E+09	1,300382E+09	1,300386E+09	1,178810E+09	9,673188E+08
803	7,187706E+08	4,997842E+08	3,728497E+08	3,728514E+08	4,997888E+08	7,187733E+08	9,673128E+08	1,178789E+09	1,300355E+09	1,300354E+09	1,178784E+09	9,673100E+08
804	7,187791E+08	4,998052E+08	3,728752E+08	3,728728E+08	4,998029E+08	7,187790E+08	9,673099E+08	1,178783E+09	1,300347E+09	1,300344E+09	1,178783E+09	9,673264E+08
805	7,188076E+08	4,998288E+08	3,728912E+08	3,728924E+08	4,998289E+08	7,188012E+08	9,673254E+08	1,178798E+09	1,300361E+09	1,300345E+09	1,178762E+09	9,672866E+08
806	7,187670E+08	4,998015E+08	3,728735E+08	3,728713E+08	4,997979E+08	7,187663E+08	9,672920E+08	1,178773E+09	1,300357E+09	1,300364E+09	1,178784E+09	9,673043E+08
807	7,187807E+08	4,998172E+08	3,728898E+08	3,728863E+08	4,998182E+08	7,187962E+08	9,673238E+08	1,178793E+09	1,300360E+09	1,300361E+09	1,178793E+09	9,673189E+08
808	7,187845E+08	4,998020E+08	3,728712E+08	3,728787E+08	4,998179E+08	7,187929E+08	9,673216E+08	1,178800E+09	1,300373E+09	1,300366E+09	1,178782E+09	9,672950E+08
809	7,187588E+08	4,997793E+08	3,728456E+08	3,728456E+08	4,997810E+08	7,187616E+08	9,672982E+08	1,178786E+09	1,300373E+09	1,300385E+09	1,178816E+09	9,673362E+08
810	7,187923E+08	4,997999E+08	3,728528E+08	3,728487E+08	4,997964E+08	7,187955E+08	9,673404E+08	1,178822E+09	1,300393E+09	1,300390E+09	1,178812E+09	9,673245E+08
811	7,187706E+08	4,997697E+08	3,728248E+08	3,728216E+08	4,997605E+08	7,187588E+08	9,673243E+08	1,178826E+09	1,300405E+09	1,300394E+09	1,178800E+09	9,673034E+08
812	7,187540E+08	4,997596E+08	3,728171E+08	3,728138E+08	4,997515E+08	7,187429E+08	9,673013E+08	1,178811E+09	1,300407E+09	1,300412E+09	1,178827E+09	9,673324E+08
813	7,187805E+08	4,997777E+08	3,728242E+08	3,728245E+08	4,997785E+08	7,187774E+08	9,673256E+08	1,178824E+09	1,300414E+09	1,300414E+09	1,178820E+09	9,673081E+08
814	7,187428E+08	4,997421E+08	3,727973E+08	3,727969E+08	4,997460E+08	7,187514E+08	9,673088E+08	1,178808E+09	1,300405E+09	1,300416E+09	1,178826E+09	9,673181E+08
815	7,187526E+08	4,997521E+08	3,728092E+08	3,728087E+08	4,997594E+08	7,187708E+08	9,673349E+08	1,178828E+09	1,300402E+09	1,300399E+09	1,178822E+09	9,673345E+08
816	7,187773E+08	4,997650E+08	3,728141E+08	3,728205E+08	4,997761E+08	7,187788E+08	9,673378E+08	1,178838E+09	1,300413E+09	1,300392E+09	1,178791E+09	9,672933E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
817	7,187464E+08	4,997531E+08	3,728098E+08	3,728092E+08	4,997518E+08	7,187452E+08	9,672994E+08	1,178806E+09	1,300400E+09	1,300401E+09	1,178814E+09	9,673217E+08
818	7,187770E+08	4,997907E+08	3,728490E+08	3,728450E+08	4,997882E+08	7,187828E+08	9,673271E+08	1,178813E+09	1,300390E+09	1,300388E+09	1,178809E+09	9,673224E+08
819	7,187778E+08	4,997904E+08	3,728566E+08	3,728596E+08	4,997954E+08	7,187766E+08	9,673171E+08	1,178799E+09	1,300370E+09	1,300363E+09	1,178777E+09	9,672919E+08
820	7,187610E+08	4,997920E+08	3,728697E+08	3,728732E+08	4,998011E+08	7,187663E+08	9,672867E+08	1,178761E+09	1,300339E+09	1,300350E+09	1,178790E+09	9,673262E+08
821	7,188082E+08	4,998386E+08	3,729055E+08	3,729065E+08	4,998433E+08	7,188120E+08	9,673190E+08	1,178770E+09	1,300326E+09	1,300325E+09	1,178764E+09	9,673028E+08
822	7,187872E+08	4,998246E+08	3,729019E+08	3,729024E+08	4,998260E+08	7,187874E+08	9,672983E+08	1,178757E+09	1,300319E+09	1,300315E+09	1,178746E+09	9,672892E+08
823	7,187872E+08	4,998378E+08	3,729210E+08	3,729176E+08	4,998342E+08	7,187901E+08	9,673005E+08	1,178757E+09	1,300313E+09	1,300310E+09	1,178753E+09	9,673102E+08
824	7,188158E+08	4,998595E+08	3,729355E+08	3,729392E+08	4,998637E+08	7,188110E+08	9,673081E+08	1,178762E+09	1,300317E+09	1,300305E+09	1,178733E+09	9,672733E+08
825	7,187748E+08	4,998315E+08	3,729183E+08	3,729186E+08	4,998343E+08	7,187807E+08	9,672778E+08	1,178736E+09	1,300309E+09	1,300321E+09	1,178763E+09	9,673056E+08
826	7,187958E+08	4,998446E+08	3,729271E+08	3,729256E+08	4,998485E+08	7,188097E+08	9,673144E+08	1,178760E+09	1,300313E+09	1,300320E+09	1,178770E+09	9,673190E+08
827	7,188056E+08	4,998366E+08	3,729112E+08	3,729145E+08	4,998410E+08	7,188049E+08	9,673230E+08	1,178779E+09	1,300329E+09	1,300316E+09	1,178744E+09	9,672798E+08
828	7,187698E+08	4,998106E+08	3,728867E+08	3,728848E+08	4,998070E+08	7,187691E+08	9,672887E+08	1,178764E+09	1,300340E+09	1,300343E+09	1,178777E+09	9,673143E+08
829	7,188010E+08	4,998336E+08	3,728960E+08	3,728888E+08	4,998207E+08	7,187959E+08	9,673170E+08	1,178785E+09	1,300353E+09	1,300350E+09	1,178778E+09	9,673062E+08
830	7,187784E+08	4,998020E+08	3,728703E+08	3,728684E+08	4,997949E+08	7,187672E+08	9,672999E+08	1,178786E+09	1,300370E+09	1,300366E+09	1,178776E+09	9,672888E+08
831	7,187576E+08	4,997837E+08	3,728556E+08	3,728561E+08	4,997869E+08	7,187622E+08	9,672954E+08	1,178780E+09	1,300365E+09	1,300374E+09	1,178804E+09	9,673251E+08
832	7,187908E+08	4,998036E+08	3,728621E+08	3,728665E+08	4,998129E+08	7,187955E+08	9,673219E+08	1,178794E+09	1,300364E+09	1,300362E+09	1,178784E+09	9,672968E+08
833	7,187558E+08	4,997737E+08	3,728399E+08	3,728408E+08	4,997788E+08	7,187667E+08	9,673057E+08	1,178788E+09	1,300365E+09	1,300367E+09	1,178794E+09	9,673121E+08
834	7,187697E+08	4,997865E+08	3,728525E+08	3,728506E+08	4,997879E+08	7,187796E+08	9,673234E+08	1,178802E+09	1,300369E+09	1,300365E+09	1,178794E+09	9,673240E+08
835	7,187949E+08	4,998064E+08	3,728655E+08	3,728667E+08	4,998036E+08	7,187867E+08	9,673283E+08	1,178808E+09	1,300371E+09	1,300351E+09	1,178758E+09	9,672750E+08
836	7,187541E+08	4,997893E+08	3,728638E+08	3,728654E+08	4,997927E+08	7,187571E+08	9,672798E+08	1,178765E+09	1,300353E+09	1,300360E+09	1,178784E+09	9,673077E+08
837	7,187894E+08	4,998293E+08	3,729018E+08	3,728991E+08	4,998290E+08	7,187960E+08	9,673024E+08	1,178757E+09	1,300324E+09	1,300333E+09	1,178776E+09	9,673147E+08
838	7,187958E+08	4,998300E+08	3,729096E+08	3,729145E+08	4,998383E+08	7,187952E+08	9,673010E+08	1,178754E+09	1,300314E+09	1,300309E+09	1,178740E+09	9,672813E+08
839	7,187773E+08	4,998283E+08	3,729172E+08	3,729210E+08	4,998376E+08	7,187851E+08	9,672842E+08	1,178733E+09	1,300288E+09	1,300293E+09	1,178748E+09	9,673120E+08
840	7,188246E+08	4,998768E+08	3,729547E+08	3,729550E+08	4,998765E+08	7,188216E+08	9,673057E+08	1,178737E+09	1,300277E+09	1,300267E+09	1,178714E+09	9,672792E+08
841	7,187977E+08	4,998639E+08	3,729558E+08	3,729556E+08	4,998622E+08	7,187973E+08	9,672835E+08	1,178724E+09	1,300274E+09	1,300268E+09	1,178712E+09	9,672755E+08
842	7,187972E+08	4,998714E+08	3,729686E+08	3,729671E+08	4,998710E+08	7,188019E+08	9,672833E+08	1,178720E+09	1,300272E+09	1,300276E+09	1,178731E+09	9,673007E+08
843	7,188274E+08	4,998938E+08	3,729819E+08	3,729847E+08	4,998981E+08	7,188313E+08	9,673075E+08	1,178732E+09	1,300270E+09	1,300261E+09	1,178703E+09	9,672616E+08
844	7,187828E+08	4,998595E+08	3,729603E+08	3,729635E+08	4,998697E+08	7,187991E+08	9,672769E+08	1,178714E+09	1,300270E+09	1,300278E+09	1,178732E+09	9,672937E+08
845	7,188089E+08	4,998758E+08	3,729651E+08	3,729623E+08	4,998734E+08	7,188161E+08	9,673022E+08	1,178733E+09	1,300276E+09	1,300278E+09	1,178738E+09	9,673087E+08
846	7,188205E+08	4,998707E+08	3,729525E+08	3,729534E+08	4,998663E+08	7,188086E+08	9,673048E+08	1,178753E+09	1,300305E+09	1,300290E+09	1,178718E+09	9,672662E+08
847	7,187774E+08	4,998385E+08	3,729249E+08	3,729221E+08	4,998313E+08	7,187739E+08	9,672753E+08	1,178737E+09	1,300307E+09	1,300315E+09	1,178756E+09	9,673038E+08
848	7,188082E+08	4,998598E+08	3,729351E+08	3,729313E+08	4,998514E+08	7,188016E+08	9,672952E+08	1,178743E+09	1,300305E+09	1,300309E+09	1,178752E+09	9,672959E+08
849	7,187869E+08	4,998307E+08	3,729124E+08	3,729141E+08	4,998319E+08	7,187844E+08	9,672888E+08	1,178746E+09	1,300314E+09	1,300317E+09	1,178752E+09	9,672881E+08
850	7,187722E+08	4,998121E+08	3,728930E+08	3,728955E+08	4,998185E+08	7,187789E+08	9,672910E+08	1,178751E+09	1,300317E+09	1,300328E+09	1,178774E+09	9,673184E+08
851	7,188088E+08	4,998401E+08	3,729053E+08	3,729060E+08	4,998402E+08	7,188117E+08	9,673263E+08	1,178775E+09	1,300321E+09	1,300308E+09	1,178740E+09	9,672773E+08
852	7,187661E+08	4,998089E+08	3,728873E+08	3,728876E+08	4,998109E+08	7,187761E+08	9,672958E+08	1,178764E+09	1,300330E+09	1,300324E+09	1,178752E+09	9,672881E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
853	7,187785E+08	4,998236E+08	3,729014E+08	3,728981E+08	4,998184E+08	7,187820E+08	9,672990E+08	1,178761E+09	1,300325E+09	1,300325E+09	1,178763E+09	9,673090E+08
854	7,188053E+08	4,998440E+08	3,729184E+08	3,729215E+08	4,998444E+08	7,187977E+08	9,673033E+08	1,178763E+09	1,300328E+09	1,300316E+09	1,178735E+09	9,672649E+08
855	7,187631E+08	4,998211E+08	3,729108E+08	3,729155E+08	4,998332E+08	7,187777E+08	9,672720E+08	1,178726E+09	1,300298E+09	1,300311E+09	1,178757E+09	9,673027E+08
856	7,188056E+08	4,998638E+08	3,729492E+08	3,729496E+08	4,998673E+08	7,188119E+08	9,672926E+08	1,178719E+09	1,300263E+09	1,300270E+09	1,178733E+09	9,673036E+08
857	7,188146E+08	4,998709E+08	3,729613E+08	3,729663E+08	4,998770E+08	7,188113E+08	9,672926E+08	1,178722E+09	1,300259E+09	1,300249E+09	1,178700E+09	9,672710E+08
858	7,187958E+08	4,998691E+08	3,729675E+08	3,729690E+08	4,998706E+08	7,187957E+08	9,672724E+08	1,178704E+09	1,300248E+09	1,300249E+09	1,178711E+09	9,672950E+08
859	7,188386E+08	4,999191E+08	3,730091E+08	3,730052E+08	4,999090E+08	7,188334E+08	9,672984E+08	1,178708E+09	1,300233E+09	1,300221E+09	1,178676E+09	9,672574E+08
860	7,188022E+08	4,998973E+08	3,730077E+08	3,730108E+08	4,999044E+08	7,188124E+08	9,672697E+08	1,178691E+09	1,300233E+09	1,300229E+09	1,178681E+09	9,672591E+08
861	7,188053E+08	4,999036E+08	3,730134E+08	3,730138E+08	4,999074E+08	7,188165E+08	9,672683E+08	1,178678E+09	1,300220E+09	1,300232E+09	1,178705E+09	9,672950E+08
862	7,188414E+08	4,999267E+08	3,730255E+08	3,730291E+08	4,999319E+08	7,188446E+08	9,672962E+08	1,178702E+09	1,300231E+09	1,300221E+09	1,178676E+09	9,672547E+08
863	7,187960E+08	4,998894E+08	3,729981E+08	3,730001E+08	4,998960E+08	7,188095E+08	9,672718E+08	1,178694E+09	1,300235E+09	1,300237E+09	1,178702E+09	9,672848E+08
864	7,188232E+08	4,999077E+08	3,730059E+08	3,730013E+08	4,998968E+08	7,188150E+08	9,672808E+08	1,178699E+09	1,300235E+09	1,300234E+09	1,178703E+09	9,672933E+08
865	7,188311E+08	4,999041E+08	3,729975E+08	3,729981E+08	4,998967E+08	7,188131E+08	9,672836E+08	1,178714E+09	1,300258E+09	1,300250E+09	1,178695E+09	9,672596E+08
866	7,187877E+08	4,998682E+08	3,729661E+08	3,729651E+08	4,998649E+08	7,187859E+08	9,672596E+08	1,178699E+09	1,300262E+09	1,300277E+09	1,178735E+09	9,672972E+08
867	7,188191E+08	4,998906E+08	3,729769E+08	3,729723E+08	4,998839E+08	7,188229E+08	9,672975E+08	1,178713E+09	1,300251E+09	1,300256E+09	1,178717E+09	9,672821E+08
868	7,187938E+08	4,998577E+08	3,729529E+08	3,729581E+08	4,998686E+08	7,188054E+08	9,672929E+08	1,178730E+09	1,300275E+09	1,300268E+09	1,178712E+09	9,672703E+08
869	7,187831E+08	4,998437E+08	3,729316E+08	3,729335E+08	4,998467E+08	7,187895E+08	9,672831E+08	1,178727E+09	1,300281E+09	1,300285E+09	1,178738E+09	9,673024E+08
870	7,188189E+08	4,998739E+08	3,729494E+08	3,729482E+08	4,998686E+08	7,188170E+08	9,673106E+08	1,178753E+09	1,300299E+09	1,300280E+09	1,178712E+09	9,672613E+08
871	7,187724E+08	4,998388E+08	3,729305E+08	3,729311E+08	4,998413E+08	7,187832E+08	9,672821E+08	1,178737E+09	1,300297E+09	1,300294E+09	1,178732E+09	9,672800E+08
872	7,187885E+08	4,998547E+08	3,729477E+08	3,729475E+08	4,998532E+08	7,187865E+08	9,672719E+08	1,178713E+09	1,300270E+09	1,300279E+09	1,178736E+09	9,673036E+08
873	7,188205E+08	4,998804E+08	3,729686E+08	3,729737E+08	4,998854E+08	7,188146E+08	9,672880E+08	1,178715E+09	1,300259E+09	1,300258E+09	1,178708E+09	9,672667E+08
874	7,187849E+08	4,998604E+08	3,729598E+08	3,729642E+08	4,998699E+08	7,187943E+08	9,672637E+08	1,178689E+09	1,300238E+09	1,300250E+09	1,178717E+09	9,672940E+08
875	7,188280E+08	4,999096E+08	3,730032E+08	3,729982E+08	4,999011E+08	7,188281E+08	9,672897E+08	1,178689E+09	1,300208E+09	1,300203E+09	1,178679E+09	9,672789E+08
876	7,188261E+08	4,999130E+08	3,730184E+08	3,730227E+08	4,999177E+08	7,188249E+08	9,672815E+08	1,178694E+09	1,300218E+09	1,300198E+09	1,178649E+09	9,672416E+08
877	7,188041E+08	4,999094E+08	3,730215E+08	3,730226E+08	4,999086E+08	7,188045E+08	9,672512E+08	1,178664E+09	1,300203E+09	1,300208E+09	1,178677E+09	9,672759E+08
878	7,188442E+08	4,999539E+08	3,730617E+08	3,730605E+08	4,999522E+08	7,188484E+08	9,672810E+08	1,178674E+09	1,300197E+09	1,300187E+09	1,178653E+09	9,672471E+08
879	7,188086E+08	4,999250E+08	3,730506E+08	3,730571E+08	4,999426E+08	7,188332E+08	9,672684E+08	1,178665E+09	1,300192E+09	1,300191E+09	1,178660E+09	9,672567E+08
880	7,188184E+08	4,999314E+08	3,730535E+08	3,730560E+08	4,999378E+08	7,188260E+08	9,672580E+08	1,178649E+09	1,300175E+09	1,300185E+09	1,178674E+09	9,672898E+08
881	7,188591E+08	4,999613E+08	3,730682E+08	3,730700E+08	4,999611E+08	7,188542E+08	9,672849E+08	1,178672E+09	1,300187E+09	1,300179E+09	1,178652E+09	9,672523E+08
882	7,188140E+08	4,999245E+08	3,730399E+08	3,730375E+08	4,999194E+08	7,188128E+08	9,672556E+08	1,178663E+09	1,300198E+09	1,300203E+09	1,178676E+09	9,672755E+08
883	7,188374E+08	4,999437E+08	3,730513E+08	3,730425E+08	4,999241E+08	7,188224E+08	9,672663E+08	1,178664E+09	1,300188E+09	1,300190E+09	1,178670E+09	9,672777E+08
884	7,188370E+08	4,999330E+08	3,730417E+08	3,730459E+08	4,999358E+08	7,188278E+08	9,672686E+08	1,178677E+09	1,300211E+09	1,300204E+09	1,178660E+09	9,672436E+08
885	7,187958E+08	4,998960E+08	3,730040E+08	3,730051E+08	4,998981E+08	7,188018E+08	9,672503E+08	1,178663E+09	1,300210E+09	1,300228E+09	1,178702E+09	9,672866E+08
886	7,188285E+08	4,999185E+08	3,730161E+08	3,730124E+08	4,999155E+08	7,188373E+08	9,672943E+08	1,178697E+09	1,300219E+09	1,300212E+09	1,178681E+09	9,672675E+08
887	7,188016E+08	4,998844E+08	3,729889E+08	3,729930E+08	4,998942E+08	7,188167E+08	9,672922E+08	1,178718E+09	1,300249E+09	1,300231E+09	1,178678E+09	9,672552E+08
888	7,187914E+08	4,998728E+08	3,729730E+08	3,729734E+08	4,998705E+08	7,187885E+08	9,672629E+08	1,178697E+09	1,300246E+09	1,300248E+09	1,178706E+09	9,672875E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
889	7,188288E+08	4,999077E+08	3,729968E+08	3,729953E+08	4,999018E+08	7,188226E+08	9,672871E+08	1,178710E+09	1,300249E+09	1,300244E+09	1,178694E+09	9,672588E+08
890	7,187862E+08	4,998731E+08	3,729776E+08	3,729788E+08	4,998776E+08	7,187952E+08	9,672627E+08	1,178693E+09	1,300245E+09	1,300252E+09	1,178709E+09	9,672780E+08
891	7,188069E+08	4,998939E+08	3,729988E+08	3,729966E+08	4,998912E+08	7,188064E+08	9,672651E+08	1,178673E+09	1,300206E+09	1,300216E+09	1,178696E+09	9,672933E+08
892	7,188365E+08	4,999186E+08	3,730209E+08	3,730279E+08	4,999285E+08	7,188344E+08	9,672829E+08	1,178686E+09	1,300208E+09	1,300197E+09	1,178658E+09	9,672475E+08
893	7,188022E+08	4,999026E+08	3,730115E+08	3,730139E+08	4,999065E+08	7,188077E+08	9,672522E+08	1,178658E+09	1,300191E+09	1,300197E+09	1,178672E+09	9,672733E+08
894	7,188393E+08	4,999503E+08	3,730589E+08	3,730521E+08	4,999387E+08	7,188380E+08	9,672754E+08	1,178664E+09	1,300177E+09	1,300164E+09	1,178641E+09	9,672566E+08
895	7,188304E+08	4,999461E+08	3,730689E+08	3,730749E+08	4,999575E+08	7,188396E+08	9,672709E+08	1,178666E+09	1,300182E+09	1,300163E+09	1,178624E+09	9,672290E+08
896	7,188106E+08	4,999397E+08	3,730702E+08	3,730747E+08	4,999483E+08	7,188167E+08	9,672306E+08	1,178620E+09	1,300152E+09	1,300164E+09	1,178651E+09	9,672706E+08
897	7,188578E+08	4,999863E+08	3,731082E+08	3,731093E+08	4,999920E+08	7,188677E+08	9,672711E+08	1,178632E+09	1,300136E+09	1,300139E+09	1,178633E+09	9,672521E+08
898	7,188309E+08	4,999611E+08	3,730945E+08	3,730992E+08	4,999732E+08	7,188456E+08	9,672608E+08	1,178637E+09	1,300145E+09	1,300142E+09	1,178630E+09	9,672544E+08
899	7,188419E+08	4,999729E+08	3,731007E+08	3,730963E+08	4,999633E+08	7,188332E+08	9,672461E+08	1,178619E+09	1,300127E+09	1,300130E+09	1,178630E+09	9,672719E+08
900	7,188716E+08	4,999981E+08	3,731175E+08	3,731171E+08	4,999929E+08	7,188601E+08	9,672673E+08	1,178641E+09	1,300147E+09	1,300134E+09	1,178609E+09	9,672291E+08
901	7,188235E+08	4,999592E+08	3,730858E+08	3,730827E+08	4,999519E+08	7,188198E+08	9,672333E+08	1,178621E+09	1,300151E+09	1,300160E+09	1,178644E+09	9,672583E+08
902	7,188416E+08	4,999719E+08	3,730947E+08	3,730881E+08	4,999608E+08	7,188368E+08	9,672535E+08	1,178634E+09	1,300151E+09	1,300150E+09	1,178640E+09	9,672634E+08
903	7,188400E+08	4,999542E+08	3,730764E+08	3,730841E+08	4,999699E+08	7,188504E+08	9,672739E+08	1,178661E+09	1,300176E+09	1,300165E+09	1,178632E+09	9,672342E+08
904	7,188035E+08	4,999181E+08	3,730381E+08	3,730408E+08	4,999245E+08	7,188115E+08	9,672440E+08	1,178643E+09	1,300176E+09	1,300186E+09	1,178669E+09	9,672753E+08
905	7,188394E+08	4,999461E+08	3,730533E+08	3,730485E+08	4,999417E+08	7,188467E+08	9,672860E+08	1,178674E+09	1,300186E+09	1,300180E+09	1,178660E+09	9,672620E+08
906	7,188153E+08	4,999162E+08	3,730296E+08	3,730297E+08	4,999164E+08	7,188190E+08	9,672765E+08	1,178692E+09	1,300220E+09	1,300205E+09	1,178659E+09	9,672487E+08
907	7,188053E+08	4,999080E+08	3,730196E+08	3,730165E+08	4,998994E+08	7,187943E+08	9,672416E+08	1,178657E+09	1,300199E+09	1,300206E+09	1,178678E+09	9,672778E+08
908	7,188400E+08	4,999411E+08	3,730461E+08	3,730471E+08	4,999428E+08	7,188375E+08	9,672683E+08	1,178665E+09	1,300195E+09	1,300194E+09	1,178659E+09	9,672492E+08
909	7,188042E+08	4,999103E+08	3,730254E+08	3,730271E+08	4,999162E+08	7,188124E+08	9,672489E+08	1,178647E+09	1,300181E+09	1,300192E+09	1,178670E+09	9,672684E+08
910	7,188246E+08	4,999333E+08	3,730504E+08	3,730478E+08	4,999300E+08	7,188217E+08	9,672569E+08	1,178647E+09	1,300161E+09	1,300156E+09	1,178648E+09	9,672746E+08
911	7,188493E+08	4,999555E+08	3,730704E+08	3,730765E+08	4,999656E+08	7,188510E+08	9,672786E+08	1,178665E+09	1,300170E+09	1,300147E+09	1,178613E+09	9,672257E+08
912	7,188105E+08	4,999380E+08	3,730645E+08	3,730664E+08	4,999416E+08	7,188142E+08	9,672327E+08	1,178622E+09	1,300148E+09	1,300151E+09	1,178633E+09	9,672529E+08
913	7,188466E+08	4,999854E+08	3,731123E+08	3,731077E+08	4,999815E+08	7,188535E+08	9,672583E+08	1,178622E+09	1,300125E+09	1,300125E+09	1,178621E+09	9,672499E+08
914	7,188426E+08	4,999808E+08	3,731184E+08	3,731250E+08	4,999961E+08	7,188570E+08	9,672594E+08	1,178629E+09	1,300134E+09	1,300123E+09	1,178602E+09	9,672273E+08
915	7,188289E+08	4,999773E+08	3,731193E+08	3,731217E+08	4,999846E+08	7,188365E+08	9,672256E+08	1,178586E+09	1,300097E+09	1,300109E+09	1,178616E+09	9,672635E+08
916	7,188763E+08	5,000236E+08	3,731569E+08	3,731579E+08	5,000286E+08	7,188822E+08	9,672623E+08	1,178605E+09	1,300092E+09	1,300086E+09	1,178588E+09	9,672377E+08
917	7,188514E+08	5,000012E+08	3,731411E+08	3,731418E+08	5,000014E+08	7,188514E+08	9,672429E+08	1,178602E+09	1,300102E+09	1,300097E+09	1,178592E+09	9,672386E+08
918	7,188548E+08	5,000102E+08	3,731502E+08	3,731433E+08	4,999935E+08	7,188359E+08	9,672266E+08	1,178591E+09	1,300095E+09	1,300092E+09	1,178596E+09	9,672530E+08
919	7,188757E+08	5,000257E+08	3,731600E+08	3,731614E+08	5,000266E+08	7,188710E+08	9,672525E+08	1,178610E+09	1,300110E+09	1,300099E+09	1,178583E+09	9,672158E+08
920	7,188265E+08	4,999823E+08	3,731259E+08	3,731260E+08	4,999852E+08	7,188320E+08	9,672168E+08	1,178580E+09	1,300101E+09	1,300117E+09	1,178615E+09	9,672487E+08
921	7,188500E+08	4,999963E+08	3,731317E+08	3,731279E+08	4,999947E+08	7,188569E+08	9,672505E+08	1,178601E+09	1,300099E+09	1,300106E+09	1,178617E+09	9,672595E+08
922	7,188546E+08	4,999828E+08	3,731122E+08	3,731177E+08	4,999941E+08	7,188623E+08	9,672715E+08	1,178644E+09	1,300144E+09	1,300126E+09	1,178602E+09	9,672262E+08
923	7,188200E+08	4,999523E+08	3,730790E+08	3,730761E+08	4,999474E+08	7,188191E+08	9,672335E+08	1,178619E+09	1,300141E+09	1,300144E+09	1,178632E+09	9,672582E+08
924	7,188497E+08	4,999785E+08	3,730985E+08	3,730930E+08	4,999717E+08	7,188516E+08	9,672671E+08	1,178643E+09	1,300152E+09	1,300145E+09	1,178625E+09	9,672452E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
925	7,188275E+08	4,999499E+08	3,730750E+08	3,730752E+08	4,999493E+08	7,188261E+08	9,672525E+08	1,178647E+09	1,300171E+09	1,300167E+09	1,178635E+09	9,672399E+08
926	7,188162E+08	4,999407E+08	3,730679E+08	3,730668E+08	4,999383E+08	7,188085E+08	9,672270E+08	1,178621E+09	1,300152E+09	1,300160E+09	1,178648E+09	9,672681E+08
927	7,188505E+08	4,999702E+08	3,730894E+08	3,730933E+08	4,999813E+08	7,188599E+08	9,672684E+08	1,178640E+09	1,300149E+09	1,300144E+09	1,178624E+09	9,672385E+08
928	7,188172E+08	4,999428E+08	3,730719E+08	3,730743E+08	4,999509E+08	7,188263E+08	9,672394E+08	1,178617E+09	1,300134E+09	1,300137E+09	1,178626E+09	9,672513E+08
929	7,188387E+08	4,999701E+08	3,730993E+08	3,730956E+08	4,999659E+08	7,188377E+08	9,672481E+08	1,178615E+09	1,300115E+09	1,300113E+09	1,178615E+09	9,672598E+08
930	7,188631E+08	4,999944E+08	3,731219E+08	3,731253E+08	4,999984E+08	7,188609E+08	9,672654E+08	1,178636E+09	1,300133E+09	1,300111E+09	1,178585E+09	9,672142E+08
931	7,188243E+08	4,999773E+08	3,731184E+08	3,731189E+08	4,999798E+08	7,188268E+08	9,672128E+08	1,178580E+09	1,300096E+09	1,300104E+09	1,178600E+09	9,672407E+08
932	7,188580E+08	5,000200E+08	3,731643E+08	3,731629E+08	5,000254E+08	7,188726E+08	9,672442E+08	1,178580E+09	1,300071E+09	1,300075E+09	1,178584E+09	9,672410E+08
933	7,188627E+08	5,000196E+08	3,731677E+08	3,731740E+08	5,000330E+08	7,188729E+08	9,672475E+08	1,178588E+09	1,300076E+09	1,300068E+09	1,178567E+09	9,672199E+08
934	7,188489E+08	5,000181E+08	3,731706E+08	3,731706E+08	5,000175E+08	7,188447E+08	9,672136E+08	1,178561E+09	1,300055E+09	1,300055E+09	1,178572E+09	9,672467E+08
935	7,188899E+08	5,000602E+08	3,732045E+08	3,732030E+08	5,000593E+08	7,188915E+08	9,672508E+08	1,178579E+09	1,300056E+09	1,300043E+09	1,178549E+09	9,672181E+08
936	7,188595E+08	5,000349E+08	3,731905E+08	3,731903E+08	5,000323E+08	7,188538E+08	9,672170E+08	1,178559E+09	1,300056E+09	1,300054E+09	1,178557E+09	9,672197E+08
937	7,188614E+08	5,000405E+08	3,731958E+08	3,731918E+08	5,000322E+08	7,188513E+08	9,672094E+08	1,178546E+09	1,300042E+09	1,300054E+09	1,178576E+09	9,672446E+08
938	7,188845E+08	5,000536E+08	3,732001E+08	3,732029E+08	5,000600E+08	7,188899E+08	9,672478E+08	1,178580E+09	1,300066E+09	1,300060E+09	1,178561E+09	9,672119E+08
939	7,188396E+08	5,000107E+08	3,731640E+08	3,731640E+08	5,000159E+08	7,188515E+08	9,672169E+08	1,178557E+09	1,300058E+09	1,300068E+09	1,178581E+09	9,672374E+08
940	7,188614E+08	5,000235E+08	3,731691E+08	3,731666E+08	5,000246E+08	7,188721E+08	9,672493E+08	1,178586E+09	1,300070E+09	1,300067E+09	1,178578E+09	9,672439E+08
941	7,188693E+08	5,000150E+08	3,731507E+08	3,731530E+08	5,000163E+08	7,188672E+08	9,672590E+08	1,178619E+09	1,300114E+09	1,300096E+09	1,178576E+09	9,672130E+08
942	7,188301E+08	4,999843E+08	3,731228E+08	3,731185E+08	4,999733E+08	7,188195E+08	9,672157E+08	1,178596E+09	1,300114E+09	1,300114E+09	1,178607E+09	9,672447E+08
943	7,188558E+08	5,000052E+08	3,731388E+08	3,731359E+08	5,000040E+08	7,188618E+08	9,672502E+08	1,178609E+09	1,300113E+09	1,300112E+09	1,178604E+09	9,672378E+08
944	7,188360E+08	4,999769E+08	3,731170E+08	3,731201E+08	4,999832E+08	7,188379E+08	9,672334E+08	1,178600E+09	1,300113E+09	1,300117E+09	1,178606E+09	9,672343E+08
945	7,188321E+08	4,999728E+08	3,731114E+08	3,731126E+08	4,999757E+08	7,188291E+08	9,672211E+08	1,178581E+09	1,300090E+09	1,300106E+09	1,178618E+09	9,672619E+08
946	7,188700E+08	5,000081E+08	3,731352E+08	3,731358E+08	5,000102E+08	7,188721E+08	9,672620E+08	1,178614E+09	1,300104E+09	1,300091E+09	1,178583E+09	9,672245E+08
947	7,188349E+08	4,999846E+08	3,731237E+08	3,731220E+08	4,999834E+08	7,188378E+08	9,672260E+08	1,178584E+09	1,300088E+09	1,300084E+09	1,178578E+09	9,672266E+08
948	7,188483E+08	5,000087E+08	3,731545E+08	3,731517E+08	5,000063E+08	7,188501E+08	9,672310E+08	1,178579E+09	1,300072E+09	1,300067E+09	1,178571E+09	9,672364E+08
949	7,188736E+08	5,000323E+08	3,731748E+08	3,731794E+08	5,000387E+08	7,188745E+08	9,672453E+08	1,178590E+09	1,300081E+09	1,300068E+09	1,178556E+09	9,672027E+08
950	7,188362E+08	5,000141E+08	3,731721E+08	3,731749E+08	5,000217E+08	7,188437E+08	9,672041E+08	1,178550E+09	1,300049E+09	1,300055E+09	1,178567E+09	9,672311E+08
951	7,188713E+08	5,000532E+08	3,732110E+08	3,732122E+08	5,000637E+08	7,188916E+08	9,672411E+08	1,178555E+09	1,300028E+09	1,300027E+09	1,178551E+09	9,672314E+08
952	7,188777E+08	5,000556E+08	3,732165E+08	3,732219E+08	5,000654E+08	7,188814E+08	9,672312E+08	1,178553E+09	1,300029E+09	1,300019E+09	1,178530E+09	9,672069E+08
953	7,188653E+08	5,000571E+08	3,732206E+08	3,732188E+08	5,000516E+08	7,188562E+08	9,671977E+08	1,178519E+09	1,300006E+09	1,300016E+09	1,178546E+09	9,672346E+08
954	7,189031E+08	5,000974E+08	3,732533E+08	3,732493E+08	5,000891E+08	7,188976E+08	9,672329E+08	1,178544E+09	1,300015E+09	1,300007E+09	1,178524E+09	9,672081E+08
955	7,188713E+08	5,000692E+08	3,732376E+08	3,732384E+08	5,000702E+08	7,188690E+08	9,671987E+08	1,178516E+09	1,300001E+09	1,300005E+09	1,178524E+09	9,672070E+08
956	7,188704E+08	5,000693E+08	3,732387E+08	3,732388E+08	5,000722E+08	7,188737E+08	9,672045E+08	1,178512E+09	1,299992E+09	1,300003E+09	1,178537E+09	9,672321E+08
957	7,188989E+08	5,000840E+08	3,732387E+08	3,732419E+08	5,000901E+08	7,189061E+08	9,672459E+08	1,178554E+09	1,300021E+09	1,300012E+09	1,178528E+09	9,672022E+08
958	7,188539E+08	5,000432E+08	3,732048E+08	3,732032E+08	5,000411E+08	7,188582E+08	9,672143E+08	1,178549E+09	1,300032E+09	1,300027E+09	1,178543E+09	9,672195E+08
959	7,188685E+08	5,000508E+08	3,732062E+08	3,732030E+08	5,000484E+08	7,188783E+08	9,672411E+08	1,178569E+09	1,300048E+09	1,300040E+09	1,178551E+09	9,672268E+08
960	7,188730E+08	5,000424E+08	3,731922E+08	3,731941E+08	5,000416E+08	7,188669E+08	9,672341E+08	1,178580E+09	1,300075E+09	1,300065E+09	1,178554E+09	9,672015E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
961	7,188377E+08	5,000126E+08	3,731638E+08	3,731621E+08	5,000079E+08	7,188325E+08	9,671967E+08	1,178547E+09	1,300061E+09	1,300081E+09	1,178593E+09	9,672417E+08
962	7,188688E+08	5,000357E+08	3,731796E+08	3,731768E+08	5,000346E+08	7,188760E+08	9,672415E+08	1,178575E+09	1,300065E+09	1,300069E+09	1,178581E+09	9,672368E+08
963	7,188551E+08	5,000118E+08	3,731601E+08	3,731634E+08	5,000172E+08	7,188546E+08	9,672252E+08	1,178566E+09	1,300058E+09	1,300057E+09	1,178562E+09	9,672203E+08
964	7,188475E+08	5,000088E+08	3,731576E+08	3,731593E+08	5,000110E+08	7,188451E+08	9,672158E+08	1,178556E+09	1,300048E+09	1,300052E+09	1,178567E+09	9,672401E+08
965	7,188847E+08	5,000475E+08	3,731848E+08	3,731826E+08	5,000414E+08	7,188817E+08	9,672498E+08	1,178583E+09	1,300063E+09	1,300049E+09	1,178547E+09	9,672056E+08
966	7,188445E+08	5,000227E+08	3,731777E+08	3,731764E+08	5,000190E+08	7,188439E+08	9,672112E+08	1,178559E+09	1,300051E+09	1,300043E+09	1,178545E+09	9,672074E+08
967	7,188526E+08	5,000394E+08	3,732023E+08	3,732042E+08	5,000480E+08	7,188676E+08	9,672185E+08	1,178544E+09	1,300029E+09	1,300030E+09	1,178546E+09	9,672256E+08
968	7,188811E+08	5,000641E+08	3,732239E+08	3,732311E+08	5,000780E+08	7,188899E+08	9,672288E+08	1,178543E+09	1,300020E+09	1,300016E+09	1,178526E+09	9,671973E+08
969	7,188545E+08	5,000516E+08	3,732211E+08	3,732253E+08	5,000612E+08	7,188628E+08	9,671949E+08	1,178507E+09	1,299989E+09	1,300003E+09	1,178538E+09	9,672261E+08
970	7,188938E+08	5,000957E+08	3,732612E+08	3,732582E+08	5,000931E+08	7,188993E+08	9,672289E+08	1,178525E+09	1,299984E+09	1,299978E+09	1,178515E+09	9,672216E+08
971	7,188981E+08	5,000996E+08	3,732698E+08	3,732719E+08	5,000995E+08	7,188892E+08	9,672100E+08	1,178511E+09	1,299976E+09	1,299965E+09	1,178486E+09	9,671870E+08
972	7,188769E+08	5,000961E+08	3,732743E+08	3,732737E+08	5,000923E+08	7,188698E+08	9,671808E+08	1,178480E+09	1,299955E+09	1,299965E+09	1,178504E+09	9,672153E+08
973	7,189134E+08	5,001321E+08	3,733017E+08	3,732989E+08	5,001273E+08	7,189139E+08	9,672195E+08	1,178502E+09	1,299961E+09	1,299960E+09	1,178495E+09	9,671971E+08
974	7,188806E+08	5,001003E+08	3,732830E+08	3,732864E+08	5,001070E+08	7,188874E+08	9,672012E+08	1,178499E+09	1,299961E+09	1,299957E+09	1,178489E+09	9,671929E+08
975	7,188775E+08	5,000943E+08	3,732745E+08	3,732779E+08	5,001046E+08	7,188931E+08	9,672100E+08	1,178503E+09	1,299965E+09	1,299966E+09	1,178506E+09	9,672173E+08
976	7,189048E+08	5,001106E+08	3,732756E+08	3,732774E+08	5,001136E+08	7,189116E+08	9,672349E+08	1,178532E+09	1,299991E+09	1,299979E+09	1,178500E+09	9,671903E+08
977	7,188648E+08	5,000735E+08	3,732440E+08	3,732408E+08	5,000664E+08	7,188637E+08	9,671997E+08	1,178517E+09	1,300000E+09	1,300007E+09	1,178530E+09	9,672127E+08
978	7,188794E+08	5,000812E+08	3,732460E+08	3,732400E+08	5,000695E+08	7,188754E+08	9,672185E+08	1,178536E+09	1,300014E+09	1,300015E+09	1,178538E+09	9,672251E+08
979	7,188857E+08	5,000729E+08	3,732327E+08	3,732358E+08	5,000738E+08	7,188756E+08	9,672096E+08	1,178531E+09	1,300018E+09	1,300018E+09	1,178527E+09	9,671964E+08
980	7,188514E+08	5,000440E+08	3,732064E+08	3,732074E+08	5,000456E+08	7,188520E+08	9,671882E+08	1,178506E+09	1,300000E+09	1,300021E+09	1,178552E+09	9,672320E+08
981	7,188870E+08	5,000709E+08	3,732226E+08	3,732187E+08	5,000653E+08	7,188890E+08	9,672339E+08	1,178541E+09	1,300009E+09	1,300010E+09	1,178539E+09	9,672235E+08
982	7,188710E+08	5,000505E+08	3,732091E+08	3,732109E+08	5,000491E+08	7,188644E+08	9,672217E+08	1,178551E+09	1,300021E+09	1,300002E+09	1,178513E+09	9,671947E+08
983	7,188537E+08	5,000423E+08	3,732048E+08	3,732076E+08	5,000461E+08	7,188575E+08	9,672074E+08	1,178534E+09	1,300017E+09	1,300014E+09	1,178529E+09	9,672139E+08
984	7,188838E+08	5,000788E+08	3,732351E+08	3,732346E+08	5,000783E+08	7,188901E+08	9,672287E+08	1,178542E+09	1,300016E+09	1,300009E+09	1,178519E+09	9,671910E+08
985	7,188517E+08	5,000553E+08	3,732270E+08	3,732299E+08	5,000633E+08	7,188646E+08	9,671980E+08	1,178512E+09	1,299997E+09	1,300007E+09	1,178527E+09	9,672034E+08
986	7,188667E+08	5,000739E+08	3,732494E+08	3,732515E+08	5,000829E+08	7,188835E+08	9,672126E+08	1,178513E+09	1,299981E+09	1,299986E+09	1,178523E+09	9,672264E+08
987	7,189028E+08	5,001036E+08	3,732722E+08	3,732795E+08	5,001155E+08	7,189055E+08	9,672175E+08	1,178508E+09	1,299966E+09	1,299958E+09	1,178486E+09	9,671881E+08
988	7,188757E+08	5,000950E+08	3,732741E+08	3,732763E+08	5,000987E+08	7,188777E+08	9,671848E+08	1,178475E+09	1,299941E+09	1,299947E+09	1,178490E+09	9,672100E+08
989	7,189133E+08	5,001397E+08	3,733155E+08	3,733087E+08	5,001255E+08	7,189051E+08	9,672098E+08	1,178487E+09	1,299936E+09	1,299932E+09	1,178480E+09	9,672067E+08
990	7,189112E+08	5,001402E+08	3,733255E+08	3,733279E+08	5,001376E+08	7,188968E+08	9,671947E+08	1,178481E+09	1,299931E+09	1,299916E+09	1,178449E+09	9,671682E+08
991	7,188816E+08	5,001258E+08	3,733202E+08	3,733242E+08	5,001346E+08	7,188905E+08	9,671731E+08	1,178448E+09	1,299912E+09	1,299924E+09	1,178474E+09	9,672001E+08
992	7,189162E+08	5,001592E+08	3,733449E+08	3,733439E+08	5,001624E+08	7,189306E+08	9,672123E+08	1,178468E+09	1,299909E+09	1,299911E+09	1,178464E+09	9,671883E+08
993	7,188936E+08	5,001308E+08	3,733229E+08	3,733266E+08	5,001386E+08	7,189030E+08	9,671973E+08	1,178471E+09	1,299921E+09	1,299919E+09	1,178463E+09	9,671840E+08
994	7,188915E+08	5,001268E+08	3,733133E+08	3,733118E+08	5,001245E+08	7,188956E+08	9,672005E+08	1,178486E+09	1,299941E+09	1,299937E+09	1,178481E+09	9,672093E+08
995	7,189185E+08	5,001437E+08	3,733168E+08	3,733164E+08	5,001395E+08	7,189121E+08	9,672099E+08	1,178494E+09	1,299951E+09	1,299942E+09	1,178471E+09	9,671774E+08
996	7,188742E+08	5,001048E+08	3,732873E+08	3,732848E+08	5,000989E+08	7,188714E+08	9,671789E+08	1,178476E+09	1,299953E+09	1,299963E+09	1,178500E+09	9,672037E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
997	7,188913E+08	5,001117E+08	3,732879E+08	3,732825E+08	5,001014E+08	7,188857E+08	9,672011E+08	1,178493E+09	1,299960E+09	1,299970E+09	1,178515E+09	9,672220E+08
998	7,188995E+08	5,001042E+08	3,732759E+08	3,732802E+08	5,001067E+08	7,188897E+08	9,672084E+08	1,178508E+09	1,299970E+09	1,299963E+09	1,178488E+09	9,671829E+08
999	7,188611E+08	5,000720E+08	3,732451E+08	3,732487E+08	5,000801E+08	7,188717E+08	9,671913E+08	1,178492E+09	1,299966E+09	1,299975E+09	1,178511E+09	9,672110E+08
1000	7,188911E+08	5,001011E+08	3,732656E+08	3,732601E+08	5,000946E+08	7,188988E+08	9,672243E+08	1,178515E+09	1,299971E+09	1,299966E+09	1,178501E+09	9,672041E+08
1001	7,188791E+08	5,000837E+08	3,732551E+08	3,732567E+08	5,000833E+08	7,188763E+08	9,672094E+08	1,178518E+09	1,299985E+09	1,299974E+09	1,178489E+09	9,671800E+08
1002	7,188610E+08	5,000744E+08	3,732505E+08	3,732529E+08	5,000778E+08	7,188644E+08	9,671909E+08	1,178504E+09	1,299982E+09	1,299984E+09	1,178511E+09	9,672099E+08
1003	7,188958E+08	5,001109E+08	3,732806E+08	3,732834E+08	5,001187E+08	7,189049E+08	9,672085E+08	1,178494E+09	1,299958E+09	1,299959E+09	1,178490E+09	9,671877E+08
1004	7,188695E+08	5,000924E+08	3,732764E+08	3,732808E+08	5,001044E+08	7,188851E+08	9,671910E+08	1,178475E+09	1,299936E+09	1,299944E+09	1,178487E+09	9,671991E+08
1005	7,188914E+08	5,001171E+08	3,733014E+08	3,733000E+08	5,001155E+08	7,188924E+08	9,671990E+08	1,178477E+09	1,299926E+09	1,299927E+09	1,178484E+09	9,672177E+08
1006	7,189251E+08	5,001504E+08	3,733300E+08	3,733328E+08	5,001487E+08	7,189118E+08	9,672064E+08	1,178482E+09	1,299921E+09	1,299901E+09	1,178436E+09	9,671650E+08
1007	7,188870E+08	5,001358E+08	3,733297E+08	3,733317E+08	5,001387E+08	7,188903E+08	9,671704E+08	1,178443E+09	1,299900E+09	1,299902E+09	1,178449E+09	9,671837E+08
1008	7,189152E+08	5,001750E+08	3,733696E+08	3,733635E+08	5,001659E+08	7,189158E+08	9,671867E+08	1,178440E+09	1,299880E+09	1,299883E+09	1,178446E+09	9,671911E+08
1009	7,189193E+08	5,001733E+08	3,733748E+08	3,733810E+08	5,001831E+08	7,189205E+08	9,671850E+08	1,178439E+09	1,299880E+09	1,299877E+09	1,178424E+09	9,671601E+08
1010	7,188928E+08	5,001566E+08	3,733630E+08	3,733670E+08	5,001672E+08	7,189063E+08	9,671713E+08	1,178427E+09	1,299874E+09	1,299883E+09	1,178448E+09	9,671957E+08
1011	7,189304E+08	5,001893E+08	3,733841E+08	3,733840E+08	5,001943E+08	7,189428E+08	9,672026E+08	1,178442E+09	1,299869E+09	1,299865E+09	1,178429E+09	9,671783E+08
1012	7,189087E+08	5,001652E+08	3,733660E+08	3,733670E+08	5,001675E+08	7,189138E+08	9,671888E+08	1,178447E+09	1,299886E+09	1,299878E+09	1,178429E+09	9,671732E+08
1013	7,189058E+08	5,001606E+08	3,733566E+08	3,733510E+08	5,001470E+08	7,188937E+08	9,671784E+08	1,178451E+09	1,299904E+09	1,299906E+09	1,178461E+09	9,672024E+08
1014	7,189302E+08	5,001758E+08	3,733617E+08	3,733606E+08	5,001686E+08	7,189156E+08	9,671926E+08	1,178463E+09	1,299909E+09	1,299901E+09	1,178442E+09	9,671664E+08
1015	7,188814E+08	5,001305E+08	3,733265E+08	3,733277E+08	5,001358E+08	7,188899E+08	9,671693E+08	1,178441E+09	1,299906E+09	1,299919E+09	1,178470E+09	9,671910E+08
1016	7,188969E+08	5,001378E+08	3,733269E+08	3,733225E+08	5,001332E+08	7,189001E+08	9,671917E+08	1,178456E+09	1,299903E+09	1,299913E+09	1,178477E+09	9,672121E+08
1017	7,189137E+08	5,001353E+08	3,733161E+08	3,733207E+08	5,001398E+08	7,189062E+08	9,672038E+08	1,178482E+09	1,299929E+09	1,299919E+09	1,178452E+09	9,671680E+08
1018	7,188728E+08	5,001046E+08	3,732868E+08	3,732863E+08	5,001045E+08	7,188780E+08	9,671840E+08	1,178476E+09	1,299941E+09	1,299941E+09	1,178479E+09	9,671950E+08
1019	7,188990E+08	5,001320E+08	3,733096E+08	3,733048E+08	5,001275E+08	7,189056E+08	9,672042E+08	1,178480E+09	1,299931E+09	1,299927E+09	1,178468E+09	9,671873E+08
1020	7,188870E+08	5,001171E+08	3,733033E+08	3,733062E+08	5,001226E+08	7,188921E+08	9,671952E+08	1,178482E+09	1,299939E+09	1,299929E+09	1,178459E+09	9,671719E+08
1021	7,188740E+08	5,001084E+08	3,732986E+08	3,733008E+08	5,001136E+08	7,188779E+08	9,671769E+08	1,178464E+09	1,299930E+09	1,299939E+09	1,178488E+09	9,672096E+08
1022	7,189157E+08	5,001488E+08	3,733313E+08	3,733336E+08	5,001544E+08	7,189192E+08	9,672054E+08	1,178470E+09	1,299908E+09	1,299902E+09	1,178450E+09	9,671777E+08
1023	7,188872E+08	5,001301E+08	3,733258E+08	3,733307E+08	5,001431E+08	7,189023E+08	9,671853E+08	1,178450E+09	1,299896E+09	1,299894E+09	1,178446E+09	9,671807E+08
1024	7,189034E+08	5,001581E+08	3,733559E+08	3,733508E+08	5,001497E+08	7,188997E+08	9,671792E+08	1,178437E+09	1,299876E+09	1,299877E+09	1,178445E+09	9,672018E+08
1025	7,189394E+08	5,001917E+08	3,733860E+08	3,733877E+08	5,001882E+08	7,189221E+08	9,671843E+08	1,178437E+09	1,299873E+09	1,299863E+09	1,178406E+09	9,671494E+08
1026	7,188965E+08	5,001721E+08	3,733817E+08	3,733835E+08	5,001767E+08	7,189016E+08	9,671525E+08	1,178405E+09	1,299855E+09	1,299862E+09	1,178423E+09	9,671753E+08
1027	7,189256E+08	5,002064E+08	3,734162E+08	3,734146E+08	5,002101E+08	7,189354E+08	9,671705E+08	1,178392E+09	1,299819E+09	1,299827E+09	1,178409E+09	9,671812E+08
1028	7,189340E+08	5,002076E+08	3,734209E+08	3,734279E+08	5,002221E+08	7,189433E+08	9,671838E+08	1,178410E+09	1,299825E+09	1,299815E+09	1,178383E+09	9,671520E+08
1029	7,189116E+08	5,001929E+08	3,734080E+08	3,734083E+08	5,001946E+08	7,189148E+08	9,671628E+08	1,178403E+09	1,299834E+09	1,299837E+09	1,178415E+09	9,671870E+08
1030	7,189476E+08	5,002264E+08	3,734314E+08	3,734269E+08	5,002193E+08	7,189462E+08	9,671931E+08	1,178422E+09	1,299835E+09	1,299823E+09	1,178390E+09	9,671594E+08
1031	7,189168E+08	5,001963E+08	3,734105E+08	3,734116E+08	5,001991E+08	7,189218E+08	9,671731E+08	1,178419E+09	1,299854E+09	1,299847E+09	1,178401E+09	9,671537E+08
1032	7,189073E+08	5,001882E+08	3,733997E+08	3,733945E+08	5,001787E+08	7,189006E+08	9,671541E+08	1,178405E+09	1,299853E+09	1,299865E+09	1,178436E+09	9,671944E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1033	7,189394E+08	5,002027E+08	3,734015E+08	3,734028E+08	5,002042E+08	7,189334E+08	9,671809E+08	1,178423E+09	1,299862E+09	1,299865E+09	1,178418E+09	9,671597E+08
1034	7,188930E+08	5,001572E+08	3,733628E+08	3,733635E+08	5,001634E+08	7,189042E+08	9,671686E+08	1,178424E+09	1,299871E+09	1,299878E+09	1,178440E+09	9,671836E+08
1035	7,189101E+08	5,001651E+08	3,733625E+08	3,733595E+08	5,001636E+08	7,189124E+08	9,671823E+08	1,178431E+09	1,299865E+09	1,299865E+09	1,178437E+09	9,671960E+08
1036	7,189264E+08	5,001688E+08	3,733588E+08	3,733610E+08	5,001694E+08	7,189194E+08	9,671981E+08	1,178461E+09	1,299895E+09	1,299875E+09	1,178415E+09	9,671541E+08
1037	7,188842E+08	5,001379E+08	3,733329E+08	3,733295E+08	5,001312E+08	7,188800E+08	9,671650E+08	1,178445E+09	1,299906E+09	1,299910E+09	1,178458E+09	9,671870E+08
1038	7,189095E+08	5,001636E+08	3,733572E+08	3,733530E+08	5,001610E+08	7,189150E+08	9,671904E+08	1,178448E+09	1,299888E+09	1,299886E+09	1,178440E+09	9,671769E+08
1039	7,188970E+08	5,001474E+08	3,733490E+08	3,733553E+08	5,001635E+08	7,189133E+08	9,671870E+08	1,178446E+09	1,299890E+09	1,299885E+09	1,178429E+09	9,671607E+08
1040	7,188858E+08	5,001432E+08	3,733467E+08	3,733478E+08	5,001479E+08	7,188899E+08	9,671615E+08	1,178422E+09	1,299870E+09	1,299880E+09	1,178450E+09	9,672023E+08
1041	7,189373E+08	5,001906E+08	3,733833E+08	3,733836E+08	5,001909E+08	7,189319E+08	9,671895E+08	1,178433E+09	1,299862E+09	1,299854E+09	1,178410E+09	9,671633E+08
1042	7,189054E+08	5,001731E+08	3,733803E+08	3,733810E+08	5,001758E+08	7,189087E+08	9,671674E+08	1,178417E+09	1,299855E+09	1,299849E+09	1,178407E+09	9,671635E+08
1043	7,189157E+08	5,001964E+08	3,734097E+08	3,734067E+08	5,001921E+08	7,189098E+08	9,671524E+08	1,178387E+09	1,299818E+09	1,299823E+09	1,178403E+09	9,671829E+08
1044	7,189500E+08	5,002301E+08	3,734411E+08	3,734448E+08	5,002354E+08	7,189458E+08	9,671729E+08	1,178394E+09	1,299812E+09	1,299803E+09	1,178368E+09	9,671391E+08
1045	7,189094E+08	5,002073E+08	3,734329E+08	3,734349E+08	5,002158E+08	7,189204E+08	9,671453E+08	1,178370E+09	1,299802E+09	1,299812E+09	1,178393E+09	9,671691E+08
1046	7,189413E+08	5,002406E+08	3,734640E+08	3,734627E+08	5,002451E+08	7,189540E+08	9,671751E+08	1,178376E+09	1,299777E+09	1,299774E+09	1,178367E+09	9,671651E+08
1047	7,189469E+08	5,002412E+08	3,734656E+08	3,734726E+08	5,002565E+08	7,189606E+08	9,671822E+08	1,178394E+09	1,299798E+09	1,299778E+09	1,178346E+09	9,671310E+08
1048	7,189193E+08	5,002270E+08	3,734537E+08	3,734500E+08	5,002204E+08	7,189178E+08	9,671440E+08	1,178371E+09	1,299798E+09	1,299802E+09	1,178386E+09	9,671748E+08
1049	7,189593E+08	5,002594E+08	3,734764E+08	3,734713E+08	5,002495E+08	7,189503E+08	9,671688E+08	1,178384E+09	1,299802E+09	1,299799E+09	1,178371E+09	9,671509E+08
1050	7,189265E+08	5,002247E+08	3,734509E+08	3,734524E+08	5,002283E+08	7,189284E+08	9,671535E+08	1,178382E+09	1,299815E+09	1,299816E+09	1,178383E+09	9,671514E+08
1051	7,189189E+08	5,002131E+08	3,734359E+08	3,734352E+08	5,002136E+08	7,189153E+08	9,671375E+08	1,178359E+09	1,299793E+09	1,299812E+09	1,178404E+09	9,671878E+08
1052	7,189555E+08	5,002339E+08	3,734406E+08	3,734415E+08	5,002354E+08	7,189523E+08	9,671797E+08	1,178396E+09	1,299810E+09	1,299804E+09	1,178379E+09	9,671509E+08
1053	7,189093E+08	5,001908E+08	3,734043E+08	3,734010E+08	5,001872E+08	7,189113E+08	9,671605E+08	1,178403E+09	1,299837E+09	1,299836E+09	1,178404E+09	9,671695E+08
1054	7,189230E+08	5,001987E+08	3,734075E+08	3,734016E+08	5,001895E+08	7,189196E+08	9,671759E+08	1,178412E+09	1,299834E+09	1,299826E+09	1,178396E+09	9,671709E+08
1055	7,189303E+08	5,001982E+08	3,734034E+08	3,734074E+08	5,002045E+08	7,189325E+08	9,671860E+08	1,178433E+09	1,299864E+09	1,299845E+09	1,178387E+09	9,671330E+08
1056	7,188856E+08	5,001665E+08	3,733779E+08	3,733762E+08	5,001664E+08	7,188919E+08	9,671458E+08	1,178402E+09	1,299857E+09	1,299871E+09	1,178435E+09	9,671821E+08
1057	7,189225E+08	5,001945E+08	3,734014E+08	3,733997E+08	5,001979E+08	7,189316E+08	9,671773E+08	1,178409E+09	1,299842E+09	1,299847E+09	1,178415E+09	9,671727E+08
1058	7,189140E+08	5,001805E+08	3,733925E+08	3,733982E+08	5,001946E+08	7,189261E+08	9,671799E+08	1,178421E+09	1,299850E+09	1,299842E+09	1,178399E+09	9,671551E+08
1059	7,189050E+08	5,001797E+08	3,733931E+08	3,733954E+08	5,001842E+08	7,189015E+08	9,671432E+08	1,178381E+09	1,299817E+09	1,299825E+09	1,178407E+09	9,671870E+08
1060	7,189556E+08	5,002338E+08	3,734374E+08	3,734344E+08	5,002265E+08	7,189448E+08	9,671756E+08	1,178396E+09	1,299809E+09	1,299798E+09	1,178369E+09	9,671488E+08
1061	7,189201E+08	5,002144E+08	3,734370E+08	3,734360E+08	5,002124E+08	7,189163E+08	9,671462E+08	1,178377E+09	1,299805E+09	1,299803E+09	1,178375E+09	9,671515E+08
1062	7,189290E+08	5,002340E+08	3,734642E+08	3,734629E+08	5,002343E+08	7,189287E+08	9,671429E+08	1,178348E+09	1,299761E+09	1,299766E+09	1,178361E+09	9,671645E+08
1063	7,189593E+08	5,002636E+08	3,734909E+08	3,734984E+08	5,002805E+08	7,189731E+08	9,671724E+08	1,178363E+09	1,299762E+09	1,299750E+09	1,178329E+09	9,671208E+08
1064	7,189195E+08	5,002426E+08	3,734812E+08	3,734825E+08	5,002500E+08	7,189350E+08	9,671378E+08	1,178339E+09	1,299751E+09	1,299757E+09	1,178354E+09	9,671578E+08
1065	7,189582E+08	5,002780E+08	3,735115E+08	3,735084E+08	5,002763E+08	7,189633E+08	9,671614E+08	1,178350E+09	1,299748E+09	1,299741E+09	1,178333E+09	9,671494E+08
1066	7,189597E+08	5,002772E+08	3,735122E+08	3,735157E+08	5,002826E+08	7,189629E+08	9,671646E+08	1,178367E+09	1,299771E+09	1,299752E+09	1,178323E+09	9,671194E+08
1067	7,189296E+08	5,002582E+08	3,734978E+08	3,734968E+08	5,002549E+08	7,189225E+08	9,671144E+08	1,178321E+09	1,299748E+09	1,299763E+09	1,178360E+09	9,671644E+08
1068	7,189710E+08	5,002920E+08	3,735209E+08	3,735167E+08	5,002855E+08	7,189668E+08	9,671548E+08	1,178341E+09	1,299745E+09	1,299747E+09	1,178345E+09	9,671489E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1069	7,189411E+08	5,002556E+08	3,734930E+08	3,734947E+08	5,002590E+08	7,189413E+08	9,671448E+08	1,178349E+09	1,299765E+09	1,299768E+09	1,178356E+09	9,671478E+08
1070	7,189353E+08	5,002437E+08	3,734758E+08	3,734750E+08	5,002428E+08	7,189320E+08	9,671417E+08	1,178342E+09	1,299752E+09	1,299760E+09	1,178361E+09	9,671687E+08
1071	7,189652E+08	5,002642E+08	3,734808E+08	3,734816E+08	5,002666E+08	7,189704E+08	9,671811E+08	1,178381E+09	1,299783E+09	1,299768E+09	1,178341E+09	9,671259E+08
1072	7,189131E+08	5,002214E+08	3,734464E+08	3,734409E+08	5,002120E+08	7,189160E+08	9,671460E+08	1,178374E+09	1,299803E+09	1,299803E+09	1,178377E+09	9,671544E+08
1073	7,189294E+08	5,002269E+08	3,734491E+08	3,734455E+08	5,002212E+08	7,189269E+08	9,671556E+08	1,178380E+09	1,299806E+09	1,299805E+09	1,178377E+09	9,671602E+08
1074	7,189368E+08	5,002244E+08	3,734429E+08	3,734492E+08	5,002362E+08	7,189437E+08	9,671708E+08	1,178398E+09	1,299825E+09	1,299815E+09	1,178371E+09	9,671309E+08
1075	7,188983E+08	5,001928E+08	3,734160E+08	3,734197E+08	5,002021E+08	7,189060E+08	9,671293E+08	1,178355E+09	1,299794E+09	1,299815E+09	1,178402E+09	9,671774E+08
1076	7,189437E+08	5,002326E+08	3,734469E+08	3,734435E+08	5,002300E+08	7,189472E+08	9,671715E+08	1,178377E+09	1,299783E+09	1,299782E+09	1,178375E+09	9,671669E+08
1077	7,189364E+08	5,002236E+08	3,734443E+08	3,734454E+08	5,002232E+08	7,189306E+08	9,671629E+08	1,178387E+09	1,299803E+09	1,299790E+09	1,178359E+09	9,671413E+08
1078	7,189232E+08	5,002233E+08	3,734496E+08	3,734488E+08	5,002187E+08	7,189121E+08	9,671312E+08	1,178346E+09	1,299767E+09	1,299771E+09	1,178358E+09	9,671595E+08
1079	7,189629E+08	5,002725E+08	3,734936E+08	3,734929E+08	5,002718E+08	7,189645E+08	9,671629E+08	1,178357E+09	1,299761E+09	1,299751E+09	1,178329E+09	9,671222E+08
1080	7,189234E+08	5,002500E+08	3,734904E+08	3,734919E+08	5,002557E+08	7,189355E+08	9,671326E+08	1,178333E+09	1,299747E+09	1,299750E+09	1,178340E+09	9,671389E+08
1081	7,189406E+08	5,002678E+08	3,735132E+08	3,735156E+08	5,002767E+08	7,189504E+08	9,671369E+08	1,178320E+09	1,299722E+09	1,299725E+09	1,178328E+09	9,671521E+08
1082	7,189720E+08	5,002971E+08	3,735359E+08	3,735438E+08	5,003138E+08	7,189877E+08	9,671696E+08	1,178346E+09	1,299731E+09	1,299714E+09	1,178301E+09	9,671125E+08
1083	7,189350E+08	5,002767E+08	3,735259E+08	3,735285E+08	5,002830E+08	7,189433E+08	9,671208E+08	1,178305E+09	1,299709E+09	1,299716E+09	1,178323E+09	9,671468E+08
1084	7,189752E+08	5,003178E+08	3,735610E+08	3,735544E+08	5,003055E+08	7,189697E+08	9,671451E+08	1,178315E+09	1,299702E+09	1,299698E+09	1,178309E+09	9,671443E+08
1085	7,189743E+08	5,003140E+08	3,735615E+08	3,735634E+08	5,003127E+08	7,189644E+08	9,671382E+08	1,178324E+09	1,299725E+09	1,299717E+09	1,178305E+09	9,671176E+08
1086	7,189451E+08	5,002921E+08	3,735438E+08	3,735436E+08	5,002907E+08	7,189393E+08	9,671032E+08	1,178278E+09	1,299689E+09	1,299710E+09	1,178325E+09	9,671523E+08
1087	7,189821E+08	5,003221E+08	3,735625E+08	3,735608E+08	5,003222E+08	7,189892E+08	9,671535E+08	1,178310E+09	1,299693E+09	1,299694E+09	1,178306E+09	9,671310E+08
1088	7,189511E+08	5,002872E+08	3,735335E+08	3,735347E+08	5,002879E+08	7,189538E+08	9,671395E+08	1,178323E+09	1,299718E+09	1,299714E+09	1,178315E+09	9,671329E+08
1089	7,189477E+08	5,002757E+08	3,735164E+08	3,735149E+08	5,002705E+08	7,189401E+08	9,671309E+08	1,178323E+09	1,299729E+09	1,299727E+09	1,178324E+09	9,671457E+08
1090	7,189684E+08	5,002917E+08	3,735199E+08	3,735200E+08	5,002914E+08	7,189750E+08	9,671696E+08	1,178361E+09	1,299761E+09	1,299745E+09	1,178319E+09	9,671113E+08
1091	7,189168E+08	5,002451E+08	3,734842E+08	3,734840E+08	5,002455E+08	7,189241E+08	9,671245E+08	1,178332E+09	1,299757E+09	1,299767E+09	1,178355E+09	9,671454E+08
1092	7,189385E+08	5,002556E+08	3,734889E+08	3,734865E+08	5,002533E+08	7,189425E+08	9,671463E+08	1,178343E+09	1,299752E+09	1,299758E+09	1,178357E+09	9,671616E+08
1093	7,189522E+08	5,002561E+08	3,734845E+08	3,734902E+08	5,002645E+08	7,189532E+08	9,671610E+08	1,178368E+09	1,299779E+09	1,299770E+09	1,178346E+09	9,671309E+08
1094	7,189201E+08	5,002302E+08	3,734611E+08	3,734629E+08	5,002330E+08	7,189208E+08	9,671256E+08	1,178327E+09	1,299746E+09	1,299758E+09	1,178357E+09	9,671596E+08
1095	7,189592E+08	5,002725E+08	3,734971E+08	3,734921E+08	5,002648E+08	7,189610E+08	9,671629E+08	1,178349E+09	1,299743E+09	1,299735E+09	1,178331E+09	9,671415E+08
1096	7,189458E+08	5,002643E+08	3,734985E+08	3,734980E+08	5,002577E+08	7,189370E+08	9,671428E+08	1,178347E+09	1,299752E+09	1,299742E+09	1,178323E+09	9,671241E+08
1097	7,189331E+08	5,002606E+08	3,735034E+08	3,735055E+08	5,002612E+08	7,189245E+08	9,671098E+08	1,178308E+09	1,299727E+09	1,299732E+09	1,178326E+09	9,671416E+08
1098	7,189682E+08	5,003045E+08	3,735424E+08	3,735452E+08	5,003136E+08	7,189845E+08	9,671542E+08	1,178321E+09	1,299713E+09	1,299709E+09	1,178303E+09	9,671142E+08
1099	7,189355E+08	5,002812E+08	3,735362E+08	3,735432E+08	5,002976E+08	7,189547E+08	9,671228E+08	1,178292E+09	1,299687E+09	1,299693E+09	1,178303E+09	9,671297E+08
1100	7,189597E+08	5,003080E+08	3,735620E+08	3,735627E+08	5,003113E+08	7,189666E+08	9,671328E+08	1,178293E+09	1,299671E+09	1,299668E+09	1,178293E+09	9,671456E+08
1101	7,189915E+08	5,003398E+08	3,735887E+08	3,735921E+08	5,003429E+08	7,189905E+08	9,671510E+08	1,178315E+09	1,299693E+09	1,299674E+09	1,178271E+09	9,671041E+08
1102	7,189538E+08	5,003189E+08	3,735798E+08	3,735795E+08	5,003166E+08	7,189522E+08	9,671044E+08	1,178265E+09	1,299660E+09	1,299669E+09	1,178286E+09	9,671289E+08
1103	7,189854E+08	5,003551E+08	3,736133E+08	3,736082E+08	5,003466E+08	7,189849E+08	9,671291E+08	1,178274E+09	1,299652E+09	1,299655E+09	1,178278E+09	9,671275E+08
1104	7,189823E+08	5,003476E+08	3,736086E+08	3,736117E+08	5,003496E+08	7,189790E+08	9,671234E+08	1,178278E+09	1,299664E+09	1,299663E+09	1,178273E+09	9,671098E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1105	7,189578E+08	5,003226E+08	3,735855E+08	3,735879E+08	5,003263E+08	7,189566E+08	9,670983E+08	1,178255E+09	1,299652E+09	1,299664E+09	1,178288E+09	9,671367E+08
1106	7,189903E+08	5,003495E+08	3,735991E+08	3,735976E+08	5,003505E+08	7,190033E+08	9,671540E+08	1,178297E+09	1,299666E+09	1,299658E+09	1,178274E+09	9,671164E+08
1107	7,189588E+08	5,003127E+08	3,735691E+08	3,735719E+08	5,003151E+08	7,189611E+08	9,671279E+08	1,178298E+09	1,299684E+09	1,299677E+09	1,178282E+09	9,671161E+08
1108	7,189558E+08	5,003058E+08	3,735556E+08	3,735525E+08	5,002957E+08	7,189467E+08	9,671210E+08	1,178299E+09	1,299694E+09	1,299694E+09	1,178305E+09	9,671395E+08
1109	7,189755E+08	5,003195E+08	3,735603E+08	3,735604E+08	5,003180E+08	7,189763E+08	9,671473E+08	1,178326E+09	1,299725E+09	1,299718E+09	1,178307E+09	9,671124E+08
1110	7,189306E+08	5,002745E+08	3,735243E+08	3,735245E+08	5,002774E+08	7,189401E+08	9,671156E+08	1,178293E+09	1,299703E+09	1,299719E+09	1,178325E+09	9,671378E+08
1111	7,189522E+08	5,002876E+08	3,735312E+08	3,735292E+08	5,002863E+08	7,189587E+08	9,671416E+08	1,178312E+09	1,299701E+09	1,299706E+09	1,178320E+09	9,671476E+08
1112	7,189674E+08	5,002937E+08	3,735299E+08	3,735328E+08	5,002927E+08	7,189600E+08	9,671471E+08	1,178334E+09	1,299727E+09	1,299714E+09	1,178304E+09	9,671177E+08
1113	7,189367E+08	5,002703E+08	3,735116E+08	3,735117E+08	5,002667E+08	7,189279E+08	9,671079E+08	1,178300E+09	1,299714E+09	1,299715E+09	1,178314E+09	9,671352E+08
1114	7,189657E+08	5,003080E+08	3,735474E+08	3,735427E+08	5,003009E+08	7,189704E+08	9,671470E+08	1,178317E+09	1,299704E+09	1,299698E+09	1,178300E+09	9,671242E+08
1115	7,189512E+08	5,002949E+08	3,735474E+08	3,735535E+08	5,003029E+08	7,189532E+08	9,671236E+08	1,178299E+09	1,299694E+09	1,299691E+09	1,178289E+09	9,671112E+08
1116	7,189436E+08	5,002958E+08	3,735530E+08	3,735574E+08	5,003037E+08	7,189483E+08	9,671070E+08	1,178272E+09	1,299666E+09	1,299677E+09	1,178298E+09	9,671380E+08
1117	7,189819E+08	5,003394E+08	3,735913E+08	3,735945E+08	5,003496E+08	7,189992E+08	9,671484E+08	1,178295E+09	1,299669E+09	1,299663E+09	1,178275E+09	9,671118E+08
1118	7,189575E+08	5,003223E+08	3,735865E+08	3,735910E+08	5,003334E+08	7,189731E+08	9,671204E+08	1,178266E+09	1,299643E+09	1,299641E+09	1,178261E+09	9,671136E+08
1119	7,189760E+08	5,003504E+08	3,736155E+08	3,736127E+08	5,003455E+08	7,189775E+08	9,671216E+08	1,178264E+09	1,299632E+09	1,299627E+09	1,178256E+09	9,671259E+08
1120	7,190038E+08	5,003812E+08	3,736427E+08	3,736435E+08	5,003758E+08	7,189934E+08	9,671260E+08	1,178272E+09	1,299643E+09	1,299630E+09	1,178242E+09	9,670952E+08
1121	7,189680E+08	5,003565E+08	3,736318E+08	3,736331E+08	5,003568E+08	7,189615E+08	9,670790E+08	1,178223E+09	1,299616E+09	1,299626E+09	1,178254E+09	9,671158E+08
1122	7,189933E+08	5,003844E+08	3,736565E+08	3,736540E+08	5,003835E+08	7,190014E+08	9,671187E+08	1,178237E+09	1,299600E+09	1,299607E+09	1,178249E+09	9,671203E+08
1123	7,189938E+08	5,003745E+08	3,736478E+08	3,736551E+08	5,003850E+08	7,189952E+08	9,671156E+08	1,178243E+09	1,299605E+09	1,299602E+09	1,178232E+09	9,670972E+08
1124	7,189726E+08	5,003566E+08	3,736264E+08	3,736258E+08	5,003537E+08	7,189692E+08	9,670964E+08	1,178235E+09	1,299609E+09	1,299614E+09	1,178252E+09	9,671235E+08
1125	7,189996E+08	5,003815E+08	3,736417E+08	3,736363E+08	5,003733E+08	7,190043E+08	9,671397E+08	1,178276E+09	1,299641E+09	1,299629E+09	1,178247E+09	9,671043E+08
1126	7,189694E+08	5,003449E+08	3,736122E+08	3,736128E+08	5,003444E+08	7,189709E+08	9,671150E+08	1,178266E+09	1,299647E+09	1,299642E+09	1,178252E+09	9,670982E+08
1127	7,189602E+08	5,003341E+08	3,735980E+08	3,735962E+08	5,003303E+08	7,189604E+08	9,671085E+08	1,178267E+09	1,299655E+09	1,299660E+09	1,178280E+09	9,671271E+08
1128	7,189830E+08	5,003473E+08	3,736001E+08	3,736014E+08	5,003490E+08	7,189874E+08	9,671341E+08	1,178289E+09	1,299673E+09	1,299672E+09	1,178282E+09	9,671116E+08
1129	7,189467E+08	5,003052E+08	3,735649E+08	3,735665E+08	5,003097E+08	7,189516E+08	9,671063E+08	1,178271E+09	1,299669E+09	1,299675E+09	1,178291E+09	9,671261E+08
1130	7,189641E+08	5,003185E+08	3,735719E+08	3,735692E+08	5,003159E+08	7,189693E+08	9,671339E+08	1,178290E+09	1,299668E+09	1,299668E+09	1,178289E+09	9,671359E+08
1131	7,189792E+08	5,003258E+08	3,735746E+08	3,735782E+08	5,003249E+08	7,189676E+08	9,671296E+08	1,178296E+09	1,299679E+09	1,299667E+09	1,178268E+09	9,671015E+08
1132	7,189482E+08	5,003075E+08	3,735616E+08	3,735607E+08	5,003023E+08	7,189395E+08	9,670945E+08	1,178265E+09	1,299663E+09	1,299671E+09	1,178287E+09	9,671249E+08
1133	7,189738E+08	5,003417E+08	3,735978E+08	3,735946E+08	5,003398E+08	7,189821E+08	9,671281E+08	1,178277E+09	1,299657E+09	1,299656E+09	1,178275E+09	9,671198E+08
1134	7,189672E+08	5,003307E+08	3,735961E+08	3,736032E+08	5,003455E+08	7,189792E+08	9,671200E+08	1,178260E+09	1,299633E+09	1,299631E+09	1,178249E+09	9,670983E+08
1135	7,189589E+08	5,003342E+08	3,736040E+08	3,736081E+08	5,003436E+08	7,189696E+08	9,671073E+08	1,178247E+09	1,299617E+09	1,299620E+09	1,178254E+09	9,671222E+08
1136	7,189992E+08	5,003812E+08	3,736435E+08	3,736433E+08	5,003817E+08	7,190061E+08	9,671331E+08	1,178262E+09	1,299620E+09	1,299608E+09	1,178233E+09	9,670995E+08
1137	7,189760E+08	5,003658E+08	3,736426E+08	3,736444E+08	5,003684E+08	7,189772E+08	9,670986E+08	1,178236E+09	1,299610E+09	1,299600E+09	1,178222E+09	9,670928E+08
1138	7,189849E+08	5,003878E+08	3,736685E+08	3,736657E+08	5,003831E+08	7,189853E+08	9,670995E+08	1,178224E+09	1,299589E+09	1,299592E+09	1,178230E+09	9,671136E+08
1139	7,190118E+08	5,004124E+08	3,736913E+08	3,736961E+08	5,004170E+08	7,190064E+08	9,671029E+08	1,178219E+09	1,299580E+09	1,299576E+09	1,178209E+09	9,670855E+08
1140	7,189813E+08	5,003910E+08	3,736787E+08	3,736806E+08	5,003953E+08	7,189826E+08	9,670751E+08	1,178188E+09	1,299555E+09	1,299570E+09	1,178224E+09	9,671103E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude °	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1141	7,190067E+08	5,004162E+08	3,736998E+08	3,736971E+08	5,004150E+08	7,190133E+08	9,671119E+08	1,178214E+09	1,299560E+09	1,299561E+09	1,178215E+09	9,671133E+08
1142	7,190116E+08	5,004093E+08	3,736898E+08	3,736941E+08	5,004160E+08	7,190131E+08	9,671141E+08	1,178221E+09	1,299568E+09	1,299555E+09	1,178190E+09	9,670766E+08
1143	7,189814E+08	5,003899E+08	3,736712E+08	3,736674E+08	5,003824E+08	7,189798E+08	9,670904E+08	1,178216E+09	1,299582E+09	1,299583E+09	1,178220E+09	9,671029E+08
1144	7,190042E+08	5,004103E+08	3,736838E+08	3,736777E+08	5,004004E+08	7,190065E+08	9,671187E+08	1,178242E+09	1,299604E+09	1,299598E+09	1,178228E+09	9,670978E+08
1145	7,189784E+08	5,003725E+08	3,736532E+08	3,736559E+08	5,003776E+08	7,189796E+08	9,670956E+08	1,178236E+09	1,299617E+09	1,299612E+09	1,178230E+09	9,670901E+08
1146	7,189673E+08	5,003573E+08	3,736333E+08	3,736338E+08	5,003610E+08	7,189746E+08	9,670995E+08	1,178235E+09	1,299612E+09	1,299623E+09	1,178259E+09	9,671253E+08
1147	7,189964E+08	5,003725E+08	3,736361E+08	3,736392E+08	5,003776E+08	7,189974E+08	9,671223E+08	1,178254E+09	1,299620E+09	1,299616E+09	1,178245E+09	9,671034E+08
1148	7,189658E+08	5,003415E+08	3,736082E+08	3,736060E+08	5,003373E+08	7,189615E+08	9,670982E+08	1,178244E+09	1,299621E+09	1,299624E+09	1,178255E+09	9,671141E+08
1149	7,189769E+08	5,003543E+08	3,736197E+08	3,736140E+08	5,003442E+08	7,189721E+08	9,671143E+08	1,178259E+09	1,299631E+09	1,299629E+09	1,178257E+09	9,671236E+08
1150	7,189932E+08	5,003631E+08	3,736248E+08	3,736273E+08	5,003642E+08	7,189855E+08	9,671160E+08	1,178256E+09	1,299628E+09	1,299617E+09	1,178229E+09	9,670813E+08
1151	7,189553E+08	5,003423E+08	3,736133E+08	3,736136E+08	5,003451E+08	7,189608E+08	9,670867E+08	1,178230E+09	1,299614E+09	1,299622E+09	1,178249E+09	9,671074E+08
1152	7,189823E+08	5,003740E+08	3,736457E+08	3,736441E+08	5,003781E+08	7,189995E+08	9,671202E+08	1,178243E+09	1,299604E+09	1,299603E+09	1,178240E+09	9,671123E+08
1153	7,189845E+08	5,003678E+08	3,736458E+08	3,736535E+08	5,003837E+08	7,189936E+08	9,671123E+08	1,178242E+09	1,299602E+09	1,299584E+09	1,178207E+09	9,670810E+08
1154	7,189712E+08	5,003699E+08	3,736521E+08	3,736546E+08	5,003767E+08	7,189805E+08	9,670968E+08	1,178223E+09	1,299585E+09	1,299583E+09	1,178223E+09	9,671098E+08
1155	7,190124E+08	5,004172E+08	3,736946E+08	3,736938E+08	5,004149E+08	7,190107E+08	9,671103E+08	1,178221E+09	1,299571E+09	1,299562E+09	1,178200E+09	9,670879E+08
1156	7,189922E+08	5,004071E+08	3,736978E+08	3,736981E+08	5,004059E+08	7,189856E+08	9,670762E+08	1,178190E+09	1,299553E+09	1,299555E+09	1,178199E+09	9,670871E+08
1157	7,189980E+08	5,004243E+08	3,737209E+08	3,737189E+08	5,004224E+08	7,189961E+08	9,670751E+08	1,178175E+09	1,299534E+09	1,299545E+09	1,178205E+09	9,671119E+08
1158	7,190314E+08	5,004498E+08	3,737397E+08	3,737443E+08	5,004585E+08	7,190324E+08	9,670967E+08	1,178175E+09	1,299512E+09	1,299511E+09	1,178164E+09	9,670705E+08
1159	7,189963E+08	5,004283E+08	3,737275E+08	3,737278E+08	5,004319E+08	7,190028E+08	9,670756E+08	1,178165E+09	1,299509E+09	1,299512E+09	1,178174E+09	9,670883E+08
1160	7,190186E+08	5,004511E+08	3,737454E+08	3,737404E+08	5,004442E+08	7,190216E+08	9,671011E+08	1,178189E+09	1,299523E+09	1,299514E+09	1,178174E+09	9,670953E+08
1161	7,190228E+08	5,004436E+08	3,737365E+08	3,737398E+08	5,004468E+08	7,190185E+08	9,670996E+08	1,178204E+09	1,299549E+09	1,299526E+09	1,178156E+09	9,670542E+08
1162	7,189823E+08	5,004152E+08	3,737118E+08	3,737101E+08	5,004143E+08	7,189899E+08	9,670766E+08	1,178189E+09	1,299553E+09	1,299560E+09	1,178205E+09	9,670945E+08
1163	7,190078E+08	5,004307E+08	3,737203E+08	3,737182E+08	5,004320E+08	7,190184E+08	9,671025E+08	1,178201E+09	1,299554E+09	1,299558E+09	1,178206E+09	9,670954E+08
1164	7,189922E+08	5,003998E+08	3,736903E+08	3,736933E+08	5,004068E+08	7,189950E+08	9,670915E+08	1,178205E+09	1,299567E+09	1,299569E+09	1,178210E+09	9,670902E+08
1165	7,189833E+08	5,003867E+08	3,736711E+08	3,736705E+08	5,003865E+08	7,189816E+08	9,670875E+08	1,178210E+09	1,299576E+09	1,299584E+09	1,178232E+09	9,671222E+08
1166	7,190178E+08	5,004086E+08	3,736771E+08	3,736757E+08	5,004051E+08	7,190110E+08	9,671125E+08	1,178224E+09	1,299577E+09	1,299568E+09	1,178202E+09	9,670838E+08
1167	7,189781E+08	5,003789E+08	3,736574E+08	3,736520E+08	5,003687E+08	7,189720E+08	9,670880E+08	1,178218E+09	1,299585E+09	1,299582E+09	1,178215E+09	9,670921E+08
1168	7,189847E+08	5,003873E+08	3,736678E+08	3,736630E+08	5,003787E+08	7,189789E+08	9,670920E+08	1,178219E+09	1,299584E+09	1,299584E+09	1,178225E+09	9,671106E+08
1169	7,190031E+08	5,003956E+08	3,736731E+08	3,736786E+08	5,004050E+08	7,190015E+08	9,671022E+08	1,178224E+09	1,299586E+09	1,299572E+09	1,178194E+09	9,670658E+08
1170	7,189622E+08	5,003707E+08	3,736574E+08	3,736607E+08	5,003834E+08	7,189822E+08	9,670841E+08	1,178201E+09	1,299567E+09	1,299577E+09	1,178219E+09	9,670987E+08
1171	7,189945E+08	5,004041E+08	3,736899E+08	3,736894E+08	5,004105E+08	7,190111E+08	9,671087E+08	1,178209E+09	1,299552E+09	1,299547E+09	1,178199E+09	9,671004E+08
1172	7,190039E+08	5,004095E+08	3,736976E+08	3,737014E+08	5,004156E+08	7,190027E+08	9,670987E+08	1,178209E+09	1,299556E+09	1,299540E+09	1,178175E+09	9,670692E+08
1173	7,189872E+08	5,004118E+08	3,737079E+08	3,737077E+08	5,004102E+08	7,189824E+08	9,670685E+08	1,178181E+09	1,299542E+09	1,299545E+09	1,178195E+09	9,671018E+08
1174	7,190314E+08	5,004597E+08	3,737499E+08	3,737482E+08	5,004574E+08	7,190277E+08	9,670883E+08	1,178168E+09	1,299508E+09	1,299507E+09	1,178162E+09	9,670726E+08
1175	7,190053E+08	5,004471E+08	3,737543E+08	3,737556E+08	5,004516E+08	7,190086E+08	9,670671E+08	1,178148E+09	1,299492E+09	1,299496E+09	1,178156E+09	9,670722E+08
1176	7,190118E+08	5,004595E+08	3,737703E+08	3,737701E+08	5,004619E+08	7,190147E+08	9,670676E+08	1,178139E+09	1,299476E+09	1,299485E+09	1,178164E+09	9,671005E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1177	7,190481E+08	5,004865E+08	3,737877E+08	3,737925E+08	5,004954E+08	7,190492E+08	9,670947E+08	1,178161E+09	1,299482E+09	1,299463E+09	1,178120E+09	9,670482E+08
1178	7,190036E+08	5,004594E+08	3,737706E+08	3,737703E+08	5,004628E+08	7,190174E+08	9,670730E+08	1,178150E+09	1,299485E+09	1,299483E+09	1,178145E+09	9,670711E+08
1179	7,190225E+08	5,004766E+08	3,737863E+08	3,737822E+08	5,004715E+08	7,190267E+08	9,670852E+08	1,178160E+09	1,299489E+09	1,299482E+09	1,178149E+09	9,670827E+08
1180	7,190319E+08	5,004734E+08	3,737787E+08	3,737823E+08	5,004771E+08	7,190263E+08	9,670823E+08	1,178168E+09	1,299509E+09	1,299499E+09	1,178146E+09	9,670521E+08
1181	7,189926E+08	5,004414E+08	3,737500E+08	3,737497E+08	5,004431E+08	7,189974E+08	9,670569E+08	1,178149E+09	1,299511E+09	1,299528E+09	1,178191E+09	9,671001E+08
1182	7,190287E+08	5,004619E+08	3,737570E+08	3,737537E+08	5,004613E+08	7,190360E+08	9,670947E+08	1,178163E+09	1,299496E+09	1,299502E+09	1,178171E+09	9,670875E+08
1183	7,190108E+08	5,004357E+08	3,737332E+08	3,737329E+08	5,004336E+08	7,190055E+08	9,670849E+08	1,178180E+09	1,299522E+09	1,299514E+09	1,178164E+09	9,670723E+08
1184	7,189983E+08	5,004220E+08	3,737152E+08	3,737117E+08	5,004121E+08	7,189848E+08	9,670693E+08	1,178177E+09	1,299534E+09	1,299537E+09	1,178191E+09	9,671035E+08
1185	7,190297E+08	5,004452E+08	3,737263E+08	3,737240E+08	5,004380E+08	7,190172E+08	9,670952E+08	1,178198E+09	1,299545E+09	1,299529E+09	1,178163E+09	9,670571E+08
1186	7,189781E+08	5,004064E+08	3,737020E+08	3,737004E+08	5,004070E+08	7,189886E+08	9,670760E+08	1,178185E+09	1,299546E+09	1,299548E+09	1,178189E+09	9,670763E+08
1187	7,189856E+08	5,004098E+08	3,737093E+08	3,737099E+08	5,004164E+08	7,189976E+08	9,670826E+08	1,178181E+09	1,299531E+09	1,299535E+09	1,178193E+09	9,671005E+08
1188	7,190153E+08	5,004268E+08	3,737170E+08	3,737243E+08	5,004408E+08	7,190208E+08	9,671003E+08	1,178195E+09	1,299538E+09	1,299528E+09	1,178169E+09	9,670602E+08
1189	7,189780E+08	5,004049E+08	3,737028E+08	3,737057E+08	5,004145E+08	7,189919E+08	9,670723E+08	1,178175E+09	1,299532E+09	1,299538E+09	1,178192E+09	9,670947E+08
1190	7,190179E+08	5,004464E+08	3,737392E+08	3,737347E+08	5,004431E+08	7,190251E+08	9,670948E+08	1,178171E+09	1,299503E+09	1,299498E+09	1,178161E+09	9,670843E+08
1191	7,190208E+08	5,004543E+08	3,737557E+08	3,737565E+08	5,004523E+08	7,190121E+08	9,670809E+08	1,178171E+09	1,299508E+09	1,299493E+09	1,178137E+09	9,670532E+08
1192	7,190019E+08	5,004522E+08	3,737639E+08	3,737649E+08	5,004517E+08	7,189926E+08	9,670417E+08	1,178128E+09	1,299482E+09	1,299493E+09	1,178162E+09	9,670931E+08
1193	7,190483E+08	5,004994E+08	3,738046E+08	3,738052E+08	5,005020E+08	7,190464E+08	9,670756E+08	1,178131E+09	1,299454E+09	1,299450E+09	1,178120E+09	9,670556E+08
1194	7,190154E+08	5,004802E+08	3,738022E+08	3,738068E+08	5,004931E+08	7,190330E+08	9,670681E+08	1,178121E+09	1,299441E+09	1,299441E+09	1,178116E+09	9,670572E+08
1195	7,190219E+08	5,004908E+08	3,738154E+08	3,738159E+08	5,004948E+08	7,190285E+08	9,670616E+08	1,178113E+09	1,299428E+09	1,299428E+09	1,178117E+09	9,670806E+08
1196	7,190607E+08	5,005236E+08	3,738355E+08	3,738376E+08	5,005255E+08	7,190593E+08	9,670859E+08	1,178135E+09	1,299447E+09	1,299430E+09	1,178092E+09	9,670328E+08
1197	7,190125E+08	5,004926E+08	3,738172E+08	3,738159E+08	5,004918E+08	7,190204E+08	9,670526E+08	1,178119E+09	1,299456E+09	1,299460E+09	1,178128E+09	9,670652E+08
1198	7,190358E+08	5,005090E+08	3,738280E+08	3,738238E+08	5,005045E+08	7,190404E+08	9,670672E+08	1,178117E+09	1,299440E+09	1,299443E+09	1,178125E+09	9,670739E+08
1199	7,190432E+08	5,005052E+08	3,738222E+08	3,738261E+08	5,005102E+08	7,190417E+08	9,670740E+08	1,178135E+09	1,299462E+09	1,299455E+09	1,178116E+09	9,670462E+08
1200	7,190085E+08	5,004714E+08	3,737890E+08	3,737895E+08	5,004718E+08	7,190065E+08	9,670438E+08	1,178115E+09	1,299461E+09	1,299478E+09	1,178158E+09	9,670937E+08
1201	7,190468E+08	5,004958E+08	3,737978E+08	3,737932E+08	5,004881E+08	7,190428E+08	9,670859E+08	1,178145E+09	1,299464E+09	1,299457E+09	1,178130E+09	9,670669E+08
1202	7,190178E+08	5,004654E+08	3,737738E+08	3,737732E+08	5,004620E+08	7,190170E+08	9,670787E+08	1,178158E+09	1,299490E+09	1,299480E+09	1,178133E+09	9,670535E+08
1203	7,190003E+08	5,004476E+08	3,737564E+08	3,737544E+08	5,004406E+08	7,189907E+08	9,670524E+08	1,178142E+09	1,299490E+09	1,299496E+09	1,178160E+09	9,670858E+08
1204	7,190349E+08	5,004743E+08	3,737696E+08	3,737698E+08	5,004735E+08	7,190316E+08	9,670817E+08	1,178158E+09	1,299499E+09	1,299496E+09	1,178145E+09	9,670494E+08
1205	7,189863E+08	5,004337E+08	3,737429E+08	3,737448E+08	5,004420E+08	7,190043E+08	9,670648E+08	1,178149E+09	1,299500E+09	1,299510E+09	1,178168E+09	9,670759E+08
1206	7,190044E+08	5,004426E+08	3,737487E+08	3,737500E+08	5,004503E+08	7,190184E+08	9,670786E+08	1,178147E+09	1,299475E+09	1,299478E+09	1,178154E+09	9,670888E+08
1207	7,190332E+08	5,004667E+08	3,737661E+08	3,737707E+08	5,004724E+08	7,190327E+08	9,670942E+08	1,178171E+09	1,299495E+09	1,299474E+09	1,178123E+09	9,670449E+08
1208	7,189966E+08	5,004465E+08	3,737554E+08	3,737560E+08	5,004462E+08	7,189953E+08	9,670499E+08	1,178136E+09	1,299485E+09	1,299491E+09	1,178154E+09	9,670802E+08
1209	7,190353E+08	5,004910E+08	3,737975E+08	3,737917E+08	5,004808E+08	7,190308E+08	9,670737E+08	1,178136E+09	1,299459E+09	1,299453E+09	1,178123E+09	9,670632E+08
1210	7,190278E+08	5,004910E+08	3,738100E+08	3,738142E+08	5,004976E+08	7,190320E+08	9,670671E+08	1,178128E+09	1,299454E+09	1,299446E+09	1,178107E+09	9,670398E+08
1211	7,190086E+08	5,004840E+08	3,738140E+08	3,738187E+08	5,004939E+08	7,190132E+08	9,670325E+08	1,178086E+09	1,299418E+09	1,299432E+09	1,178122E+09	9,670799E+08
1212	7,190628E+08	5,005364E+08	3,738542E+08	3,738561E+08	5,005417E+08	7,190675E+08	9,670735E+08	1,178100E+09	1,299404E+09	1,299401E+09	1,178087E+09	9,670436E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1213	7,190302E+08	5,005163E+08	3,738490E+08	3,738530E+08	5,005259E+08	7,190448E+08	9,670599E+08	1,178099E+09	1,299409E+09	1,299403E+09	1,178085E+09	9,670473E+08
1214	7,190398E+08	5,005294E+08	3,738612E+08	3,738591E+08	5,005267E+08	7,190417E+08	9,670512E+08	1,178083E+09	1,299389E+09	1,299388E+09	1,178083E+09	9,670630E+08
1215	7,190709E+08	5,005617E+08	3,738870E+08	3,738870E+08	5,005577E+08	7,190652E+08	9,670691E+08	1,178103E+09	1,299408E+09	1,299392E+09	1,178064E+09	9,670219E+08
1216	7,190239E+08	5,005246E+08	3,738629E+08	3,738634E+08	5,005258E+08	7,190266E+08	9,670271E+08	1,178072E+09	1,299407E+09	1,299422E+09	1,178108E+09	9,670632E+08
1217	7,190517E+08	5,005421E+08	3,738719E+08	3,738685E+08	5,005376E+08	7,190522E+08	9,670562E+08	1,178084E+09	1,299390E+09	1,299396E+09	1,178093E+09	9,670634E+08
1218	7,190534E+08	5,005334E+08	3,738604E+08	3,738656E+08	5,005409E+08	7,190571E+08	9,670701E+08	1,178108E+09	1,299415E+09	1,299406E+09	1,178082E+09	9,670344E+08
1219	7,190175E+08	5,004997E+08	3,738275E+08	3,738270E+08	5,004973E+08	7,190139E+08	9,670329E+08	1,178086E+09	1,299415E+09	1,299424E+09	1,178115E+09	9,670750E+08
1220	7,190576E+08	5,005292E+08	3,738411E+08	3,738348E+08	5,005161E+08	7,190497E+08	9,670721E+08	1,178113E+09	1,299426E+09	1,299424E+09	1,178102E+09	9,670495E+08
1221	7,190232E+08	5,004944E+08	3,738162E+08	3,738172E+08	5,004934E+08	7,190240E+08	9,670621E+08	1,178127E+09	1,299456E+09	1,299451E+09	1,178112E+09	9,670441E+08
1222	7,190094E+08	5,004763E+08	3,737955E+08	3,737963E+08	5,004779E+08	7,190113E+08	9,670432E+08	1,178104E+09	1,299439E+09	1,299451E+09	1,178130E+09	9,670726E+08
1223	7,190417E+08	5,005040E+08	3,738130E+08	3,738148E+08	5,005089E+08	7,190514E+08	9,670821E+08	1,178133E+09	1,299454E+09	1,299447E+09	1,178111E+09	9,670415E+08
1224	7,190014E+08	5,004649E+08	3,737843E+08	3,737876E+08	5,004741E+08	7,190163E+08	9,670569E+08	1,178122E+09	1,299458E+09	1,299464E+09	1,178136E+09	9,670691E+08
1225	7,190240E+08	5,004816E+08	3,737955E+08	3,737940E+08	5,004792E+08	7,190254E+08	9,670708E+08	1,178130E+09	1,299443E+09	1,299436E+09	1,178116E+09	9,670703E+08
1226	7,190436E+08	5,005035E+08	3,738153E+08	3,738186E+08	5,005049E+08	7,190423E+08	9,670822E+08	1,178143E+09	1,299459E+09	1,299438E+09	1,178094E+09	9,670300E+08
1227	7,190042E+08	5,004820E+08	3,738078E+08	3,738089E+08	5,004819E+08	7,190009E+08	9,670257E+08	1,178090E+09	1,299430E+09	1,299442E+09	1,178121E+09	9,670676E+08
1228	7,190481E+08	5,005295E+08	3,738513E+08	3,738478E+08	5,005240E+08	7,190460E+08	9,670529E+08	1,178083E+09	1,299399E+09	1,299410E+09	1,178100E+09	9,670569E+08
1229	7,190422E+08	5,005272E+08	3,738607E+08	3,738676E+08	5,005398E+08	7,190512E+08	9,670565E+08	1,178086E+09	1,299395E+09	1,299394E+09	1,178076E+09	9,670361E+08
1230	7,190301E+08	5,005241E+08	3,738616E+08	3,738659E+08	5,005327E+08	7,190347E+08	9,670278E+08	1,178050E+09	1,299357E+09	1,299365E+09	1,178073E+09	9,670609E+08
1231	7,190774E+08	5,005789E+08	3,739082E+08	3,739068E+08	5,005764E+08	7,190804E+08	9,670678E+08	1,178077E+09	1,299362E+09	1,299345E+09	1,178037E+09	9,670244E+08
1232	7,190453E+08	5,005565E+08	3,739019E+08	3,739043E+08	5,005599E+08	7,190497E+08	9,670391E+08	1,178064E+09	1,299369E+09	1,299363E+09	1,178051E+09	9,670313E+08
1233	7,190520E+08	5,005679E+08	3,739131E+08	3,739105E+08	5,005615E+08	7,190478E+08	9,670339E+08	1,178054E+09	1,299351E+09	1,299350E+09	1,178053E+09	9,670454E+08
1234	7,190740E+08	5,005903E+08	3,739321E+08	3,739357E+08	5,005970E+08	7,190834E+08	9,670593E+08	1,178068E+09	1,299363E+09	1,299355E+09	1,178043E+09	9,670155E+08
1235	7,190300E+08	5,005504E+08	3,739036E+08	3,739059E+08	5,005582E+08	7,190404E+08	9,670173E+08	1,178035E+09	1,299350E+09	1,299368E+09	1,178076E+09	9,670568E+08
1236	7,190663E+08	5,005728E+08	3,739117E+08	3,739084E+08	5,005674E+08	7,190642E+08	9,670480E+08	1,178053E+09	1,299348E+09	1,299356E+09	1,178067E+09	9,670554E+08
1237	7,190672E+08	5,005643E+08	3,738987E+08	3,739022E+08	5,005665E+08	7,190644E+08	9,670598E+08	1,178084E+09	1,299384E+09	1,299372E+09	1,178054E+09	9,670252E+08
1238	7,190321E+08	5,005325E+08	3,738658E+08	3,738631E+08	5,005248E+08	7,190241E+08	9,670216E+08	1,178057E+09	1,299374E+09	1,299382E+09	1,178079E+09	9,670551E+08
1239	7,190627E+08	5,005605E+08	3,738857E+08	3,738793E+08	5,005476E+08	7,190583E+08	9,670600E+08	1,178086E+09	1,299389E+09	1,299383E+09	1,178070E+09	9,670377E+08
1240	7,190319E+08	5,005218E+08	3,738570E+08	3,738612E+08	5,005285E+08	7,190356E+08	9,670456E+08	1,178089E+09	1,299411E+09	1,299411E+09	1,178088E+09	9,670390E+08
1241	7,190225E+08	5,005068E+08	3,738366E+08	3,738382E+08	5,005099E+08	7,190263E+08	9,670423E+08	1,178083E+09	1,299396E+09	1,299403E+09	1,178096E+09	9,670600E+08
1242	7,190503E+08	5,005325E+08	3,738531E+08	3,738556E+08	5,005402E+08	7,190668E+08	9,670813E+08	1,178114E+09	1,299414E+09	1,299401E+09	1,178078E+09	9,670294E+08
1243	7,190114E+08	5,004977E+08	3,738289E+08	3,738295E+08	5,005011E+08	7,190209E+08	9,670415E+08	1,178091E+09	1,299415E+09	1,299416E+09	1,178097E+09	9,670535E+08
1244	7,190385E+08	5,005220E+08	3,738481E+08	3,738440E+08	5,005120E+08	7,190289E+08	9,670464E+08	1,178087E+09	1,299402E+09	1,299405E+09	1,178091E+09	9,670576E+08
1245	7,190556E+08	5,005413E+08	3,738677E+08	3,738712E+08	5,005426E+08	7,190497E+08	9,670570E+08	1,178097E+09	1,299410E+09	1,299400E+09	1,178071E+09	9,670247E+08
1246	7,190209E+08	5,005208E+08	3,738586E+08	3,738618E+08	5,005275E+08	7,190233E+08	9,670114E+08	1,178041E+09	1,299363E+09	1,299380E+09	1,178081E+09	9,670549E+08
1247	7,190619E+08	5,005690E+08	3,739061E+08	3,739036E+08	5,005676E+08	7,190673E+08	9,670491E+08	1,178050E+09	1,299339E+09	1,299341E+09	1,178052E+09	9,670457E+08
1248	7,190604E+08	5,005655E+08	3,739116E+08	3,739196E+08	5,005800E+08	7,190673E+08	9,670477E+08	1,178056E+09	1,299346E+09	1,299337E+09	1,178033E+09	9,670219E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1249	7,190479E+08	5,005667E+08	3,739150E+08	3,739161E+08	5,005675E+08	7,190483E+08	9,670254E+08	1,178033E+09	1,299321E+09	1,299318E+09	1,178029E+09	9,670363E+08
1250	7,190821E+08	5,006134E+08	3,739592E+08	3,739574E+08	5,006123E+08	7,190929E+08	9,670588E+08	1,178051E+09	1,299328E+09	1,299311E+09	1,178009E+09	9,670075E+08
1251	7,190489E+08	5,005882E+08	3,739512E+08	3,739541E+08	5,005951E+08	7,190568E+08	9,670173E+08	1,178024E+09	1,299323E+09	1,299322E+09	1,178025E+09	9,670227E+08
1252	7,190635E+08	5,006008E+08	3,739600E+08	3,739592E+08	5,005994E+08	7,190606E+08	9,670132E+08	1,178006E+09	1,299302E+09	1,299318E+09	1,178036E+09	9,670440E+08
1253	7,190887E+08	5,006203E+08	3,739727E+08	3,739770E+08	5,006291E+08	7,190967E+08	9,670487E+08	1,178033E+09	1,299313E+09	1,299310E+09	1,178018E+09	9,670168E+08
1254	7,190518E+08	5,005846E+08	3,739421E+08	3,739428E+08	5,005880E+08	7,190543E+08	9,670100E+08	1,178004E+09	1,299296E+09	1,299307E+09	1,178031E+09	9,670414E+08
1255	7,190806E+08	5,006095E+08	3,739573E+08	3,739497E+08	5,005942E+08	7,190706E+08	9,670379E+08	1,178030E+09	1,299309E+09	1,299303E+09	1,178021E+09	9,670385E+08
1256	7,190796E+08	5,005975E+08	3,739433E+08	3,739456E+08	5,005962E+08	7,190685E+08	9,670401E+08	1,178051E+09	1,299347E+09	1,299335E+09	1,178023E+09	9,670090E+08
1257	7,190407E+08	5,005649E+08	3,739109E+08	3,739076E+08	5,005570E+08	7,190345E+08	9,670124E+08	1,178032E+09	1,299339E+09	1,299346E+09	1,178049E+09	9,670349E+08
1258	7,190603E+08	5,005821E+08	3,739249E+08	3,739224E+08	5,005847E+08	7,190793E+08	9,670579E+08	1,178062E+09	1,299352E+09	1,299348E+09	1,178047E+09	9,670271E+08
1259	7,190352E+08	5,005450E+08	3,738945E+08	3,739000E+08	5,005591E+08	7,190501E+08	9,670406E+08	1,178064E+09	1,299368E+09	1,299365E+09	1,178057E+09	9,670316E+08
1260	7,190363E+08	5,005369E+08	3,738761E+08	3,738772E+08	5,005387E+08	7,190359E+08	9,670315E+08	1,178057E+09	1,299365E+09	1,299374E+09	1,178074E+09	9,670541E+08
1261	7,190659E+08	5,005654E+08	3,738949E+08	3,738944E+08	5,005660E+08	7,190718E+08	9,670670E+08	1,178087E+09	1,299383E+09	1,299371E+09	1,178056E+09	9,670261E+08
1262	7,190308E+08	5,005360E+08	3,738755E+08	3,738738E+08	5,005326E+08	7,190270E+08	9,670197E+08	1,178049E+09	1,299363E+09	1,299367E+09	1,178063E+09	9,670394E+08
1263	7,190507E+08	5,005616E+08	3,739032E+08	3,738986E+08	5,005510E+08	7,190379E+08	9,670234E+08	1,178042E+09	1,299346E+09	1,299349E+09	1,178056E+09	9,670508E+08
1264	7,190724E+08	5,005787E+08	3,739203E+08	3,739264E+08	5,005875E+08	7,190669E+08	9,670366E+08	1,178045E+09	1,299345E+09	1,299342E+09	1,178035E+09	9,670171E+08
1265	7,190399E+08	5,005612E+08	3,739115E+08	3,739142E+08	5,005678E+08	7,190445E+08	9,670117E+08	1,178012E+09	1,299304E+09	1,299313E+09	1,178031E+09	9,670334E+08
1266	7,190708E+08	5,006039E+08	3,739563E+08	3,739547E+08	5,006078E+08	7,190887E+08	9,670507E+08	1,178030E+09	1,299295E+09	1,299283E+09	1,178004E+09	9,670229E+08
1267	7,190684E+08	5,006028E+08	3,739638E+08	3,739691E+08	5,006139E+08	7,190768E+08	9,670348E+08	1,178027E+09	1,299303E+09	1,299285E+09	1,177988E+09	9,670003E+08
1268	7,190583E+08	5,006056E+08	3,739694E+08	3,739692E+08	5,006040E+08	7,190559E+08	9,670039E+08	1,177995E+09	1,299286E+09	1,299292E+09	1,178006E+09	9,670231E+08
1269	7,190909E+08	5,006465E+08	3,740082E+08	3,740074E+08	5,006494E+08	7,191036E+08	9,670391E+08	1,178012E+09	1,299286E+09	1,299280E+09	1,177993E+09	9,670070E+08
1270	7,190654E+08	5,006221E+08	3,739959E+08	3,740004E+08	5,006338E+08	7,190744E+08	9,670033E+08	1,177979E+09	1,299264E+09	1,299270E+09	1,177994E+09	9,670163E+08
1271	7,190795E+08	5,006362E+08	3,740071E+08	3,740058E+08	5,006340E+08	7,190745E+08	9,670047E+08	1,177975E+09	1,299251E+09	1,299259E+09	1,177998E+09	9,670401E+08
1272	7,191098E+08	5,006553E+08	3,740159E+08	3,740189E+08	5,006595E+08	7,191053E+08	9,670344E+08	1,178003E+09	1,299271E+09	1,299262E+09	1,177982E+09	9,670058E+08
1273	7,190698E+08	5,006228E+08	3,739882E+08	3,739841E+08	5,006143E+08	7,190631E+08	9,670059E+08	1,177986E+09	1,299262E+09	1,299264E+09	1,177989E+09	9,670165E+08
1274	7,190825E+08	5,006376E+08	3,740009E+08	3,739938E+08	5,006259E+08	7,190816E+08	9,670292E+08	1,178008E+09	1,299278E+09	1,299270E+09	1,177992E+09	9,670186E+08
1275	7,190790E+08	5,006223E+08	3,739846E+08	3,739883E+08	5,006287E+08	7,190784E+08	9,670226E+08	1,178016E+09	1,299305E+09	1,299297E+09	1,177997E+09	9,669984E+08
1276	7,190476E+08	5,005907E+08	3,739507E+08	3,739500E+08	5,005921E+08	7,190510E+08	9,669993E+08	1,177995E+09	1,299300E+09	1,299321E+09	1,178033E+09	9,670316E+08
1277	7,190709E+08	5,006058E+08	3,739590E+08	3,739575E+08	5,006122E+08	7,190928E+08	9,670524E+08	1,178036E+09	1,299312E+09	1,299310E+09	1,178025E+09	9,670278E+08
1278	7,190551E+08	5,005766E+08	3,739311E+08	3,739351E+08	5,005858E+08	7,190600E+08	9,670304E+08	1,178035E+09	1,299323E+09	1,299313E+09	1,178017E+09	9,670189E+08
1279	7,190527E+08	5,005751E+08	3,739243E+08	3,739214E+08	5,005663E+08	7,190386E+08	9,670123E+08	1,178025E+09	1,299323E+09	1,299323E+09	1,178034E+09	9,670428E+08
1280	7,190827E+08	5,006030E+08	3,739450E+08	3,739432E+08	5,005985E+08	7,190740E+08	9,670388E+08	1,178042E+09	1,299335E+09	1,299328E+09	1,178024E+09	9,670143E+08
1281	7,190460E+08	5,005758E+08	3,739297E+08	3,739273E+08	5,005720E+08	7,190429E+08	9,670088E+08	1,178011E+09	1,299307E+09	1,299313E+09	1,178023E+09	9,670197E+08
1282	7,190556E+08	5,005931E+08	3,739538E+08	3,739529E+08	5,005965E+08	7,190641E+08	9,670205E+08	1,178008E+09	1,299290E+09	1,299293E+09	1,178016E+09	9,670338E+08
1283	7,190802E+08	5,006117E+08	3,739690E+08	3,739762E+08	5,006272E+08	7,190875E+08	9,670324E+08	1,178015E+09	1,299291E+09	1,299281E+09	1,177989E+09	9,670007E+08
1284	7,190544E+08	5,005989E+08	3,739621E+08	3,739643E+08	5,006059E+08	7,190609E+08	9,670023E+08	1,177985E+09	1,299271E+09	1,299277E+09	1,177995E+09	9,670167E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1285	7,190822E+08	5,006386E+08	3,740041E+08	3,740008E+08	5,006397E+08	7,190991E+08	9,670401E+08	1,178007E+09	1,299266E+09	1,299253E+09	1,177977E+09	9,670124E+08
1286	7,190837E+08	5,006405E+08	3,740135E+08	3,740184E+08	5,006492E+08	7,190847E+08	9,670149E+08	1,177990E+09	1,299259E+09	1,299244E+09	1,177957E+09	9,669880E+08
1287	7,190708E+08	5,006440E+08	3,740238E+08	3,740237E+08	5,006428E+08	7,190650E+08	9,669807E+08	1,177951E+09	1,299234E+09	1,299244E+09	1,177980E+09	9,670235E+08
1288	7,191104E+08	5,006825E+08	3,740574E+08	3,740576E+08	5,006877E+08	7,191169E+08	9,670189E+08	1,177963E+09	1,299226E+09	1,299230E+09	1,177966E+09	9,670069E+08
1289	7,190893E+08	5,006627E+08	3,740454E+08	3,740471E+08	5,006667E+08	7,190906E+08	9,670013E+08	1,177949E+09	1,299206E+09	1,299208E+09	1,177949E+09	9,669996E+08
1290	7,190915E+08	5,006705E+08	3,740533E+08	3,740512E+08	5,006676E+08	7,190895E+08	9,669995E+08	1,177951E+09	1,299209E+09	1,299207E+09	1,177953E+09	9,670175E+08
1291	7,191176E+08	5,006898E+08	3,740624E+08	3,740621E+08	5,006884E+08	7,191120E+08	9,670178E+08	1,177971E+09	1,299230E+09	1,299216E+09	1,177940E+09	9,669835E+08
1292	7,190767E+08	5,006549E+08	3,740344E+08	3,740306E+08	5,006476E+08	7,190716E+08	9,669854E+08	1,177952E+09	1,299233E+09	1,299242E+09	1,177967E+09	9,670005E+08
1293	7,190847E+08	5,006604E+08	3,740388E+08	3,740351E+08	5,006595E+08	7,190967E+08	9,670193E+08	1,177979E+09	1,299244E+09	1,299244E+09	1,177976E+09	9,670151E+08
1294	7,190892E+08	5,006464E+08	3,740193E+08	3,740263E+08	5,006612E+08	7,190958E+08	9,670164E+08	1,177984E+09	1,299257E+09	1,299251E+09	1,177968E+09	9,669910E+08
1295	7,190596E+08	5,006185E+08	3,739890E+08	3,739886E+08	5,006199E+08	7,190631E+08	9,669947E+08	1,177973E+09	1,299259E+09	1,299271E+09	1,178002E+09	9,670300E+08
1296	7,190903E+08	5,006372E+08	3,739972E+08	3,739938E+08	5,006370E+08	7,190989E+08	9,670382E+08	1,178008E+09	1,299277E+09	1,299272E+09	1,177996E+09	9,670205E+08
1297	7,190752E+08	5,006153E+08	3,739767E+08	3,739748E+08	5,006088E+08	7,190656E+08	9,670215E+08	1,178010E+09	1,299284E+09	1,299271E+09	1,177980E+09	9,669981E+08
1298	7,190590E+08	5,006074E+08	3,739723E+08	3,739702E+08	5,006009E+08	7,190481E+08	9,669955E+08	1,177991E+09	1,299281E+09	1,299283E+09	1,178002E+09	9,670248E+08
1299	7,190889E+08	5,006358E+08	3,739938E+08	3,739933E+08	5,006364E+08	7,190856E+08	9,670158E+08	1,177995E+09	1,299278E+09	1,299276E+09	1,177990E+09	9,670022E+08
1300	7,190582E+08	5,006100E+08	3,739792E+08	3,739798E+08	5,006146E+08	7,190636E+08	9,669953E+08	1,177968E+09	1,299256E+09	1,299269E+09	1,177990E+09	9,670081E+08
1301	7,190678E+08	5,006245E+08	3,739983E+08	3,739988E+08	5,006327E+08	7,190842E+08	9,670196E+08	1,177982E+09	1,299243E+09	1,299241E+09	1,177978E+09	9,670227E+08
1302	7,190979E+08	5,006492E+08	3,740160E+08	3,740225E+08	5,006615E+08	7,191012E+08	9,670235E+08	1,177986E+09	1,299244E+09	1,299224E+09	1,177942E+09	9,669799E+08
1303	7,190680E+08	5,006409E+08	3,740182E+08	3,740177E+08	5,006404E+08	7,190684E+08	9,669857E+08	1,177954E+09	1,299230E+09	1,299230E+09	1,177959E+09	9,670048E+08
1304	7,190981E+08	5,006784E+08	3,740586E+08	3,740551E+08	5,006771E+08	7,191055E+08	9,670133E+08	1,177961E+09	1,299220E+09	1,299216E+09	1,177953E+09	9,670046E+08
1305	7,191012E+08	5,006824E+08	3,740695E+08	3,740736E+08	5,006890E+08	7,191017E+08	9,670036E+08	1,177949E+09	1,299204E+09	1,299195E+09	1,177925E+09	9,669754E+08
1306	7,190813E+08	5,006785E+08	3,740753E+08	3,740784E+08	5,006867E+08	7,190875E+08	9,669741E+08	1,177915E+09	1,299179E+09	1,299191E+09	1,177945E+09	9,670120E+08
1307	7,191241E+08	5,007180E+08	3,741049E+08	3,741049E+08	5,007227E+08	7,191310E+08	9,670083E+08	1,177929E+09	1,299172E+09	1,299172E+09	1,177925E+09	9,669944E+08
1308	7,191065E+08	5,007008E+08	3,740938E+08	3,740945E+08	5,007013E+08	7,191040E+08	9,669885E+08	1,177920E+09	1,299173E+09	1,299173E+09	1,177915E+09	9,669824E+08
1309	7,191012E+08	5,007020E+08	3,740960E+08	3,740924E+08	5,006959E+08	7,190992E+08	9,669902E+08	1,177926E+09	1,299177E+09	1,299175E+09	1,177926E+09	9,670032E+08
1310	7,191265E+08	5,007195E+08	3,741035E+08	3,741048E+08	5,007200E+08	7,191209E+08	9,670016E+08	1,177937E+09	1,299188E+09	1,299177E+09	1,177910E+09	9,669690E+08
1311	7,190833E+08	5,006837E+08	3,740774E+08	3,740760E+08	5,006823E+08	7,190847E+08	9,669710E+08	1,177916E+09	1,299188E+09	1,299199E+09	1,177944E+09	9,669989E+08
1312	7,190975E+08	5,006855E+08	3,740743E+08	3,740732E+08	5,006894E+08	7,191100E+08	9,670086E+08	1,177944E+09	1,299198E+09	1,299203E+09	1,177953E+09	9,670132E+08
1313	7,191077E+08	5,006788E+08	3,740580E+08	3,740622E+08	5,006849E+08	7,191089E+08	9,670200E+08	1,177966E+09	1,299214E+09	1,299201E+09	1,177930E+09	9,669756E+08
1314	7,190701E+08	5,006491E+08	3,740297E+08	3,740280E+08	5,006465E+08	7,190716E+08	9,669864E+08	1,177951E+09	1,299225E+09	1,299229E+09	1,177964E+09	9,670095E+08
1315	7,190994E+08	5,006716E+08	3,740418E+08	3,740349E+08	5,006612E+08	7,190990E+08	9,670149E+08	1,177971E+09	1,299236E+09	1,299231E+09	1,177961E+09	9,670027E+08
1316	7,190852E+08	5,006507E+08	3,740257E+08	3,740246E+08	5,006444E+08	7,190733E+08	9,669952E+08	1,177966E+09	1,299246E+09	1,299243E+09	1,177956E+09	9,669835E+08
1317	7,190649E+08	5,006356E+08	3,740157E+08	3,740171E+08	5,006392E+08	7,190667E+08	9,669845E+08	1,177953E+09	1,299233E+09	1,299242E+09	1,177977E+09	9,670174E+08
1318	7,191013E+08	5,006661E+08	3,740366E+08	3,740402E+08	5,006753E+08	7,191065E+08	9,670102E+08	1,177959E+09	1,299220E+09	1,299218E+09	1,177950E+09	9,669896E+08
1319	7,190726E+08	5,006455E+08	3,740271E+08	3,740293E+08	5,006518E+08	7,190811E+08	9,669918E+08	1,177944E+09	1,299209E+09	1,299212E+09	1,177951E+09	9,669995E+08
1320	7,190857E+08	5,006613E+08	3,740454E+08	3,740454E+08	5,006657E+08	7,190957E+08	9,670087E+08	1,177955E+09	1,299206E+09	1,299201E+09	1,177945E+09	9,670097E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1321	7,191155E+08	5,006925E+08	3,740706E+08	3,740725E+08	5,006926E+08	7,191120E+08	9,670170E+08	1,177958E+09	1,299203E+09	1,299181E+09	1,177906E+09	9,669597E+08
1322	7,190755E+08	5,006778E+08	3,740734E+08	3,740750E+08	5,006816E+08	7,190809E+08	9,669682E+08	1,177917E+09	1,299186E+09	1,299191E+09	1,177931E+09	9,669907E+08
1323	7,191091E+08	5,007164E+08	3,741115E+08	3,741092E+08	5,007175E+08	7,191184E+08	9,669897E+08	1,177910E+09	1,299160E+09	1,299167E+09	1,177923E+09	9,669989E+08
1324	7,191197E+08	5,007217E+08	3,741215E+08	3,741271E+08	5,007308E+08	7,191195E+08	9,669866E+08	1,177903E+09	1,299150E+09	1,299148E+09	1,177894E+09	9,669679E+08
1325	7,190985E+08	5,007139E+08	3,741208E+08	3,741240E+08	5,007214E+08	7,191047E+08	9,669698E+08	1,177886E+09	1,299129E+09	1,299136E+09	1,177907E+09	9,670020E+08
1326	7,191425E+08	5,007556E+08	3,741511E+08	3,741500E+08	5,007537E+08	7,191394E+08	9,669944E+08	1,177895E+09	1,299122E+09	1,299113E+09	1,177875E+09	9,669721E+08
1327	7,191172E+08	5,007383E+08	3,741444E+08	3,741437E+08	5,007337E+08	7,191111E+08	9,669727E+08	1,177888E+09	1,299129E+09	1,299124E+09	1,177879E+09	9,669676E+08
1328	7,191101E+08	5,007336E+08	3,741409E+08	3,741388E+08	5,007298E+08	7,191091E+08	9,669727E+08	1,177890E+09	1,299136E+09	1,299141E+09	1,177902E+09	9,669915E+08
1329	7,191356E+08	5,007512E+08	3,741472E+08	3,741479E+08	5,007522E+08	7,191394E+08	9,670007E+08	1,177907E+09	1,299142E+09	1,299134E+09	1,177881E+09	9,669549E+08
1330	7,190880E+08	5,007087E+08	3,741163E+08	3,741183E+08	5,007164E+08	7,191036E+08	9,669717E+08	1,177896E+09	1,299151E+09	1,299159E+09	1,177914E+09	9,669867E+08
1331	7,191080E+08	5,007141E+08	3,741103E+08	3,741084E+08	5,007138E+08	7,191172E+08	9,669981E+08	1,177919E+09	1,299161E+09	1,299162E+09	1,177922E+09	9,670033E+08
1332	7,191224E+08	5,007118E+08	3,740982E+08	3,741004E+08	5,007102E+08	7,191132E+08	9,670023E+08	1,177940E+09	1,299191E+09	1,299177E+09	1,177905E+09	9,669625E+08
1333	7,190789E+08	5,006783E+08	3,740689E+08	3,740662E+08	5,006716E+08	7,190766E+08	9,669723E+08	1,177923E+09	1,299192E+09	1,299199E+09	1,177943E+09	9,670004E+08
1334	7,191096E+08	5,007015E+08	3,740840E+08	3,740796E+08	5,006929E+08	7,191035E+08	9,669909E+08	1,177926E+09	1,299184E+09	1,299187E+09	1,177932E+09	9,669916E+08
1335	7,190952E+08	5,006831E+08	3,740726E+08	3,740750E+08	5,006841E+08	7,190901E+08	9,669805E+08	1,177922E+09	1,299186E+09	1,299189E+09	1,177928E+09	9,669816E+08
1336	7,190808E+08	5,006681E+08	3,740592E+08	3,740631E+08	5,006762E+08	7,190858E+08	9,669779E+08	1,177916E+09	1,299177E+09	1,299189E+09	1,177943E+09	9,670088E+08
1337	7,191197E+08	5,007054E+08	3,740847E+08	3,740854E+08	5,007075E+08	7,191260E+08	9,670161E+08	1,177937E+09	1,299171E+09	1,299157E+09	1,177900E+09	9,669674E+08
1338	7,190832E+08	5,006831E+08	3,740785E+08	3,740807E+08	5,006888E+08	7,190953E+08	9,669856E+08	1,177922E+09	1,299174E+09	1,299165E+09	1,177906E+09	9,669742E+08
1339	7,190950E+08	5,007009E+08	3,740978E+08	3,740963E+08	5,006990E+08	7,191006E+08	9,669869E+08	1,177917E+09	1,299163E+09	1,299160E+09	1,177912E+09	9,669936E+08
1340	7,191269E+08	5,007322E+08	3,741265E+08	3,741302E+08	5,007351E+08	7,191234E+08	9,669922E+08	1,177915E+09	1,299162E+09	1,299150E+09	1,177883E+09	9,669501E+08
1341	7,190859E+08	5,007118E+08	3,741231E+08	3,741273E+08	5,007231E+08	7,191003E+08	9,669571E+08	1,177875E+09	1,299131E+09	1,299144E+09	1,177906E+09	9,669878E+08
1342	7,191265E+08	5,007519E+08	3,741594E+08	3,741597E+08	5,007556E+08	7,191333E+08	9,669782E+08	1,177868E+09	1,299098E+09	1,299104E+09	1,177883E+09	9,669893E+08
1343	7,191388E+08	5,007624E+08	3,741727E+08	3,741781E+08	5,007686E+08	7,191347E+08	9,669773E+08	1,177871E+09	1,299095E+09	1,299087E+09	1,177854E+09	9,669592E+08
1344	7,191173E+08	5,007534E+08	3,741688E+08	3,741695E+08	5,007528E+08	7,191142E+08	9,669564E+08	1,177855E+09	1,299088E+09	1,299092E+09	1,177870E+09	9,669851E+08
1345	7,191563E+08	5,007958E+08	3,742022E+08	3,741965E+08	5,007831E+08	7,191502E+08	9,669892E+08	1,177869E+09	1,299080E+09	1,299068E+09	1,177837E+09	9,669494E+08
1346	7,191202E+08	5,007692E+08	3,741924E+08	3,741951E+08	5,007728E+08	7,191243E+08	9,669600E+08	1,177858E+09	1,299091E+09	1,299088E+09	1,177849E+09	9,669502E+08
1347	7,191150E+08	5,007619E+08	3,741818E+08	3,741819E+08	5,007637E+08	7,191223E+08	9,669582E+08	1,177852E+09	1,299089E+09	1,299101E+09	1,177878E+09	9,669848E+08
1348	7,191466E+08	5,007799E+08	3,741870E+08	3,741894E+08	5,007847E+08	7,191536E+08	9,669909E+08	1,177879E+09	1,299106E+09	1,299099E+09	1,177857E+09	9,669484E+08
1349	7,190994E+08	5,007355E+08	3,741507E+08	3,741519E+08	5,007409E+08	7,191139E+08	9,669681E+08	1,177877E+09	1,299117E+09	1,299121E+09	1,177887E+09	9,669794E+08
1350	7,191222E+08	5,007445E+08	3,741484E+08	3,741447E+08	5,007357E+08	7,191162E+08	9,669787E+08	1,177887E+09	1,299121E+09	1,299119E+09	1,177887E+09	9,669885E+08
1351	7,191339E+08	5,007460E+08	3,741434E+08	3,741444E+08	5,007390E+08	7,191158E+08	9,669800E+08	1,177901E+09	1,299145E+09	1,299136E+09	1,177880E+09	9,669557E+08
1352	7,190901E+08	5,007097E+08	3,741122E+08	3,741112E+08	5,007059E+08	7,190868E+08	9,669530E+08	1,177881E+09	1,299143E+09	1,299160E+09	1,177919E+09	9,669929E+08
1353	7,191219E+08	5,007351E+08	3,741298E+08	3,741250E+08	5,007286E+08	7,191256E+08	9,669915E+08	1,177892E+09	1,299126E+09	1,299130E+09	1,177895E+09	9,669772E+08
1354	7,191031E+08	5,007127E+08	3,741171E+08	3,741235E+08	5,007248E+08	7,191135E+08	9,669845E+08	1,177901E+09	1,299141E+09	1,299136E+09	1,177886E+09	9,669631E+08
1355	7,190921E+08	5,007025E+08	3,741026E+08	3,741062E+08	5,007086E+08	7,190996E+08	9,669723E+08	1,177893E+09	1,299138E+09	1,299142E+09	1,177904E+09	9,669921E+08
1356	7,191316E+08	5,007428E+08	3,741335E+08	3,741323E+08	5,007401E+08	7,191346E+08	9,670014E+08	1,177913E+09	1,299146E+09	1,299127E+09	1,177870E+09	9,669502E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1357	7,190912E+08	5,007168E+08	3,741260E+08	3,741279E+08	5,007217E+08	7,191037E+08	9,669720E+08	1,177894E+09	1,299139E+09	1,299135E+09	1,177884E+09	9,669656E+08
1358	7,191071E+08	5,007357E+08	3,741478E+08	3,741488E+08	5,007360E+08	7,191054E+08	9,669588E+08	1,177867E+09	1,299107E+09	1,299112E+09	1,177883E+09	9,669869E+08
1359	7,191422E+08	5,007705E+08	3,741793E+08	3,741849E+08	5,007772E+08	7,191387E+08	9,669732E+08	1,177864E+09	1,299093E+09	1,299092E+09	1,177856E+09	9,669524E+08
1360	7,191080E+08	5,007519E+08	3,741738E+08	3,741778E+08	5,007615E+08	7,191171E+08	9,669469E+08	1,177834E+09	1,299067E+09	1,299082E+09	1,177868E+09	9,669811E+08
1361	7,191502E+08	5,007977E+08	3,742136E+08	3,742085E+08	5,007888E+08	7,191486E+08	9,669748E+08	1,177837E+09	1,299039E+09	1,299035E+09	1,177828E+09	9,669657E+08
1362	7,191507E+08	5,008036E+08	3,742282E+08	3,742325E+08	5,008076E+08	7,191476E+08	9,669667E+08	1,177843E+09	1,299053E+09	1,299035E+09	1,177803E+09	9,669297E+08
1363	7,191248E+08	5,007924E+08	3,742211E+08	3,742206E+08	5,007886E+08	7,191220E+08	9,669359E+08	1,177817E+09	1,299044E+09	1,299051E+09	1,177835E+09	9,669642E+08
1364	7,191604E+08	5,008284E+08	3,742519E+08	3,742489E+08	5,008241E+08	7,191641E+08	9,669709E+08	1,177835E+09	1,299047E+09	1,299038E+09	1,177814E+09	9,669368E+08
1365	7,191239E+08	5,007938E+08	3,742318E+08	3,742381E+08	5,008095E+08	7,191452E+08	9,669592E+08	1,177834E+09	1,299053E+09	1,299052E+09	1,177830E+09	9,669473E+08
1366	7,191261E+08	5,007865E+08	3,742177E+08	3,742203E+08	5,007924E+08	7,191323E+08	9,669503E+08	1,177825E+09	1,299046E+09	1,299055E+09	1,177848E+09	9,669794E+08
1367	7,191616E+08	5,008105E+08	3,742257E+08	3,742270E+08	5,008118E+08	7,191624E+08	9,669814E+08	1,177854E+09	1,299065E+09	1,299058E+09	1,177834E+09	9,669474E+08
1368	7,191168E+08	5,007685E+08	3,741903E+08	3,741876E+08	5,007635E+08	7,191175E+08	9,669530E+08	1,177847E+09	1,299082E+09	1,299088E+09	1,177863E+09	9,669714E+08
1369	7,191368E+08	5,007802E+08	3,741932E+08	3,741848E+08	5,007610E+08	7,191221E+08	9,669654E+08	1,177854E+09	1,299076E+09	1,299076E+09	1,177855E+09	9,669731E+08
1370	7,191403E+08	5,007762E+08	3,741889E+08	3,741929E+08	5,007780E+08	7,191297E+08	9,669648E+08	1,177865E+09	1,299099E+09	1,299092E+09	1,177847E+09	9,669404E+08
1371	7,190995E+08	5,007401E+08	3,741535E+08	3,741542E+08	5,007416E+08	7,191032E+08	9,669415E+08	1,177842E+09	1,299089E+09	1,299109E+09	1,177885E+09	9,669823E+08
1372	7,191331E+08	5,007663E+08	3,741730E+08	3,741698E+08	5,007645E+08	7,191425E+08	9,669873E+08	1,177872E+09	1,299090E+09	1,299084E+09	1,177857E+09	9,669626E+08
1373	7,191131E+08	5,007431E+08	3,741579E+08	3,741636E+08	5,007553E+08	7,191274E+08	9,669836E+08	1,177886E+09	1,299108E+09	1,299092E+09	1,177849E+09	9,669472E+08
1374	7,191022E+08	5,007350E+08	3,741480E+08	3,741501E+08	5,007360E+08	7,191010E+08	9,669529E+08	1,177861E+09	1,299099E+09	1,299099E+09	1,177867E+09	9,669745E+08
1375	7,191417E+08	5,007796E+08	3,741854E+08	3,741838E+08	5,007762E+08	7,191416E+08	9,669785E+08	1,177870E+09	1,299095E+09	1,299087E+09	1,177849E+09	9,669459E+08
1376	7,191053E+08	5,007540E+08	3,741773E+08	3,741796E+08	5,007607E+08	7,191155E+08	9,669498E+08	1,177846E+09	1,299085E+09	1,299092E+09	1,177861E+09	9,669629E+08
1377	7,191262E+08	5,007771E+08	3,742020E+08	3,742008E+08	5,007754E+08	7,191253E+08	9,669511E+08	1,177825E+09	1,299042E+09	1,299050E+09	1,177844E+09	9,669770E+08
1378	7,191590E+08	5,008100E+08	3,742335E+08	3,742407E+08	5,008211E+08	7,191586E+08	9,669673E+08	1,177833E+09	1,299039E+09	1,299029E+09	1,177807E+09	9,669345E+08
1379	7,191261E+08	5,007946E+08	3,742260E+08	3,742279E+08	5,007982E+08	7,191302E+08	9,669349E+08	1,177801E+09	1,299018E+09	1,299026E+09	1,177821E+09	9,669612E+08
1380	7,191628E+08	5,008385E+08	3,742683E+08	3,742614E+08	5,008262E+08	7,191591E+08	9,669603E+08	1,177811E+09	1,299008E+09	1,298996E+09	1,177790E+09	9,669434E+08
1381	7,191555E+08	5,008359E+08	3,742766E+08	3,742819E+08	5,008448E+08	7,191612E+08	9,669567E+08	1,177816E+09	1,299018E+09	1,299001E+09	1,177778E+09	9,669162E+08
1382	7,191301E+08	5,008205E+08	3,742664E+08	3,742693E+08	5,008256E+08	7,191328E+08	9,669165E+08	1,177776E+09	1,298997E+09	1,299010E+09	1,177809E+09	9,669565E+08
1383	7,191704E+08	5,008572E+08	3,742949E+08	3,742943E+08	5,008616E+08	7,191825E+08	9,669614E+08	1,177796E+09	1,298991E+09	1,298993E+09	1,177796E+09	9,669409E+08
1384	7,191425E+08	5,008249E+08	3,742709E+08	3,742759E+08	5,008376E+08	7,191577E+08	9,669529E+08	1,177807E+09	1,299010E+09	1,299008E+09	1,177803E+09	9,669456E+08
1385	7,191476E+08	5,008238E+08	3,742603E+08	3,742565E+08	5,008149E+08	7,191397E+08	9,669429E+08	1,177801E+09	1,299004E+09	1,299004E+09	1,177807E+09	9,669637E+08
1386	7,191741E+08	5,008448E+08	3,742711E+08	3,742699E+08	5,008401E+08	7,191666E+08	9,669651E+08	1,177826E+09	1,299030E+09	1,299017E+09	1,177794E+09	9,669264E+08
1387	7,191269E+08	5,008027E+08	3,742351E+08	3,742309E+08	5,007935E+08	7,191222E+08	9,669303E+08	1,177807E+09	1,299037E+09	1,299048E+09	1,177832E+09	9,669562E+08
1388	7,191433E+08	5,008104E+08	3,742382E+08	3,742318E+08	5,007980E+08	7,191345E+08	9,669475E+08	1,177819E+09	1,299037E+09	1,299037E+09	1,177826E+09	9,669595E+08
1389	7,191446E+08	5,007998E+08	3,742265E+08	3,742338E+08	5,008142E+08	7,191523E+08	9,669664E+08	1,177843E+09	1,299058E+09	1,299048E+09	1,177817E+09	9,669312E+08
1390	7,191087E+08	5,007651E+08	3,741915E+08	3,741944E+08	5,007722E+08	7,191155E+08	9,669347E+08	1,177818E+09	1,299048E+09	1,299060E+09	1,177847E+09	9,669682E+08
1391	7,191439E+08	5,007961E+08	3,742141E+08	3,742104E+08	5,007947E+08	7,191538E+08	9,669784E+08	1,177846E+09	1,299051E+09	1,299044E+09	1,177830E+09	9,669546E+08
1392	7,191271E+08	5,007777E+08	3,742027E+08	3,742049E+08	5,007820E+08	7,191333E+08	9,669693E+08	1,177859E+09	1,299075E+09	1,299061E+09	1,177825E+09	9,669389E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1393	7,191173E+08	5,007738E+08	3,741996E+08	3,741976E+08	5,007672E+08	7,191079E+08	9,669336E+08	1,177822E+09	1,299050E+09	1,299054E+09	1,177836E+09	9,669633E+08
1394	7,191535E+08	5,008158E+08	3,742390E+08	3,742397E+08	5,008197E+08	7,191565E+08	9,669584E+08	1,177824E+09	1,299040E+09	1,299037E+09	1,177814E+09	9,669360E+08
1395	7,191238E+08	5,007941E+08	3,742294E+08	3,742325E+08	5,008024E+08	7,191335E+08	9,669341E+08	1,177797E+09	1,299017E+09	1,299030E+09	1,177823E+09	9,669543E+08
1396	7,191456E+08	5,008190E+08	3,742566E+08	3,742551E+08	5,008169E+08	7,191416E+08	9,669402E+08	1,177794E+09	1,298992E+09	1,298989E+09	1,177797E+09	9,669594E+08
1397	7,191732E+08	5,008484E+08	3,742844E+08	3,742905E+08	5,008592E+08	7,191760E+08	9,669626E+08	1,177809E+09	1,298997E+09	1,298975E+09	1,177761E+09	9,669133E+08
1398	7,191363E+08	5,008314E+08	3,742792E+08	3,742806E+08	5,008333E+08	7,191370E+08	9,669158E+08	1,177766E+09	1,298974E+09	1,298977E+09	1,177778E+09	9,669382E+08
1399	7,191691E+08	5,008730E+08	3,743208E+08	3,743159E+08	5,008677E+08	7,191733E+08	9,669435E+08	1,177772E+09	1,298958E+09	1,298956E+09	1,177767E+09	9,669347E+08
1400	7,191656E+08	5,008688E+08	3,743244E+08	3,743308E+08	5,008832E+08	7,191790E+08	9,669459E+08	1,177781E+09	1,298973E+09	1,298964E+09	1,177757E+09	9,669133E+08
1401	7,191456E+08	5,008545E+08	3,743120E+08	3,743130E+08	5,008592E+08	7,191530E+08	9,669150E+08	1,177747E+09	1,298947E+09	1,298960E+09	1,177777E+09	9,669493E+08
1402	7,191856E+08	5,008897E+08	3,743386E+08	3,743384E+08	5,008952E+08	7,191976E+08	9,669568E+08	1,177775E+09	1,298954E+09	1,298948E+09	1,177757E+09	9,669290E+08
1403	7,191618E+08	5,008616E+08	3,743129E+08	3,743139E+08	5,008623E+08	7,191623E+08	9,669366E+08	1,177777E+09	1,298973E+09	1,298969E+09	1,177770E+09	9,669327E+08
1404	7,191613E+08	5,008590E+08	3,743060E+08	3,742993E+08	5,008419E+08	7,191407E+08	9,669221E+08	1,177775E+09	1,298977E+09	1,298972E+09	1,177778E+09	9,669475E+08
1405	7,191797E+08	5,008721E+08	3,743119E+08	3,743118E+08	5,008707E+08	7,191743E+08	9,669481E+08	1,177794E+09	1,298994E+09	1,298984E+09	1,177770E+09	9,669144E+08
1406	7,191311E+08	5,008259E+08	3,742747E+08	3,742739E+08	5,008260E+08	7,191319E+08	9,669103E+08	1,177764E+09	1,298985E+09	1,299002E+09	1,177802E+09	9,669456E+08
1407	7,191513E+08	5,008354E+08	3,742766E+08	3,742734E+08	5,008338E+08	7,191558E+08	9,669432E+08	1,177783E+09	1,298980E+09	1,298988E+09	1,177801E+09	9,669556E+08
1408	7,191593E+08	5,008295E+08	3,742644E+08	3,742702E+08	5,008415E+08	7,191670E+08	9,669642E+08	1,177821E+09	1,299018E+09	1,299003E+09	1,177784E+09	9,669221E+08
1409	7,191255E+08	5,008009E+08	3,742352E+08	3,742325E+08	5,007973E+08	7,191258E+08	9,669275E+08	1,177795E+09	1,299011E+09	1,299013E+09	1,177805E+09	9,669490E+08
1410	7,191543E+08	5,008306E+08	3,742625E+08	3,742580E+08	5,008271E+08	7,191608E+08	9,669611E+08	1,177816E+09	1,299016E+09	1,299006E+09	1,177792E+09	9,669353E+08
1411	7,191395E+08	5,008144E+08	3,742521E+08	3,742542E+08	5,008171E+08	7,191406E+08	9,669443E+08	1,177814E+09	1,299027E+09	1,299021E+09	1,177798E+09	9,669284E+08
1412	7,191293E+08	5,008099E+08	3,742522E+08	3,742525E+08	5,008096E+08	7,191224E+08	9,669153E+08	1,177783E+09	1,299001E+09	1,299007E+09	1,177806E+09	9,669542E+08
1413	7,191659E+08	5,008484E+08	3,742864E+08	3,742897E+08	5,008604E+08	7,191787E+08	9,669557E+08	1,177794E+09	1,298988E+09	1,298983E+09	1,177778E+09	9,669266E+08
1414	7,191389E+08	5,008289E+08	3,742789E+08	3,742831E+08	5,008393E+08	7,191477E+08	9,669233E+08	1,177763E+09	1,298965E+09	1,298970E+09	1,177776E+09	9,669373E+08
1415	7,191611E+08	5,008583E+08	3,743084E+08	3,743058E+08	5,008550E+08	7,191584E+08	9,669302E+08	1,177759E+09	1,298942E+09	1,298941E+09	1,177762E+09	9,669450E+08
1416	7,191876E+08	5,008884E+08	3,743369E+08	3,743399E+08	5,008928E+08	7,191870E+08	9,669497E+08	1,177779E+09	1,298958E+09	1,298937E+09	1,177730E+09	9,669003E+08
1417	7,191500E+08	5,008710E+08	3,743332E+08	3,743326E+08	5,008706E+08	7,191504E+08	9,668996E+08	1,177728E+09	1,298926E+09	1,298932E+09	1,177745E+09	9,669245E+08
1418	7,191789E+08	5,009061E+08	3,743711E+08	3,743698E+08	5,009105E+08	7,191918E+08	9,669303E+08	1,177734E+09	1,298910E+09	1,298911E+09	1,177733E+09	9,669251E+08
1419	7,191833E+08	5,009050E+08	3,743709E+08	3,743774E+08	5,009186E+08	7,191948E+08	9,669356E+08	1,177744E+09	1,298920E+09	1,298914E+09	1,177726E+09	9,669079E+08
1420	7,191647E+08	5,008923E+08	3,743597E+08	3,743587E+08	5,008900E+08	7,191604E+08	9,669030E+08	1,177723E+09	1,298909E+09	1,298911E+09	1,177738E+09	9,669349E+08
1421	7,191984E+08	5,009230E+08	3,743814E+08	3,743787E+08	5,009218E+08	7,192047E+08	9,669455E+08	1,177751E+09	1,298921E+09	1,298908E+09	1,177721E+09	9,669119E+08
1422	7,191704E+08	5,008931E+08	3,743582E+08	3,743584E+08	5,008897E+08	7,191625E+08	9,669103E+08	1,177736E+09	1,298928E+09	1,298927E+09	1,177735E+09	9,669139E+08
1423	7,191673E+08	5,008881E+08	3,743494E+08	3,743452E+08	5,008778E+08	7,191527E+08	9,669013E+08	1,177727E+09	1,298923E+09	1,298934E+09	1,177758E+09	9,669394E+08
1424	7,191881E+08	5,008994E+08	3,743514E+08	3,743528E+08	5,009040E+08	7,191925E+08	9,669407E+08	1,177761E+09	1,298947E+09	1,298943E+09	1,177746E+09	9,669102E+08
1425	7,191444E+08	5,008551E+08	3,743138E+08	3,743130E+08	5,008575E+08	7,191529E+08	9,669114E+08	1,177739E+09	1,298938E+09	1,298949E+09	1,177765E+09	9,669328E+08
1426	7,191620E+08	5,008629E+08	3,743154E+08	3,743142E+08	5,008660E+08	7,191728E+08	9,669434E+08	1,177768E+09	1,298949E+09	1,298945E+09	1,177759E+09	9,669374E+08
1427	7,191735E+08	5,008630E+08	3,743054E+08	3,743086E+08	5,008670E+08	7,191752E+08	9,669541E+08	1,177797E+09	1,298987E+09	1,298968E+09	1,177753E+09	9,669071E+08
1428	7,191364E+08	5,008353E+08	3,742821E+08	3,742782E+08	5,008259E+08	7,191282E+08	9,669102E+08	1,177771E+09	1,298984E+09	1,298982E+09	1,177778E+09	9,669339E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1429	7,191609E+08	5,008601E+08	3,743065E+08	3,743042E+08	5,008612E+08	7,191712E+08	9,669442E+08	1,177782E+09	1,298978E+09	1,298972E+09	1,177770E+09	9,669275E+08
1430	7,191498E+08	5,008446E+08	3,742985E+08	3,743039E+08	5,008541E+08	7,191523E+08	9,669220E+08	1,177763E+09	1,298967E+09	1,298970E+09	1,177767E+09	9,669216E+08
1431	7,191458E+08	5,008450E+08	3,743001E+08	3,743029E+08	5,008505E+08	7,191436E+08	9,669061E+08	1,177737E+09	1,298934E+09	1,298950E+09	1,177775E+09	9,669496E+08
1432	7,191873E+08	5,008891E+08	3,743361E+08	3,743367E+08	5,008934E+08	7,191932E+08	9,669487E+08	1,177765E+09	1,298939E+09	1,298927E+09	1,177736E+09	9,669140E+08
1433	7,191590E+08	5,008736E+08	3,743339E+08	3,743334E+08	5,008735E+08	7,191609E+08	9,669117E+08	1,177731E+09	1,298916E+09	1,298912E+09	1,177725E+09	9,669123E+08
1434	7,191719E+08	5,008990E+08	3,743657E+08	3,743635E+08	5,008963E+08	7,191719E+08	9,669151E+08	1,177725E+09	1,298900E+09	1,298895E+09	1,177716E+09	9,669205E+08
1435	7,191986E+08	5,009281E+08	3,743914E+08	3,743951E+08	5,009334E+08	7,192004E+08	9,669297E+08	1,177734E+09	1,298908E+09	1,298894E+09	1,177701E+09	9,668878E+08
1436	7,191610E+08	5,009074E+08	3,743864E+08	3,743882E+08	5,009128E+08	7,191672E+08	9,668894E+08	1,177698E+09	1,298882E+09	1,298887E+09	1,177715E+09	9,669149E+08
1437	7,191903E+08	5,009368E+08	3,744151E+08	3,744167E+08	5,009475E+08	7,192110E+08	9,669284E+08	1,177710E+09	1,298868E+09	1,298866E+09	1,177703E+09	9,669166E+08
1438	7,191967E+08	5,009367E+08	3,744146E+08	3,744212E+08	5,009479E+08	7,192015E+08	9,669199E+08	1,177711E+09	1,298876E+09	1,298868E+09	1,177691E+09	9,668956E+08
1439	7,191794E+08	5,009273E+08	3,744043E+08	3,744018E+08	5,009204E+08	7,191703E+08	9,668880E+08	1,177685E+09	1,298863E+09	1,298875E+09	1,177716E+09	9,669257E+08
1440	7,192118E+08	5,009576E+08	3,744257E+08	3,744197E+08	5,009468E+08	7,192079E+08	9,669270E+08	1,177717E+09	1,298881E+09	1,298874E+09	1,177699E+09	9,669035E+08
1441	7,191822E+08	5,009259E+08	3,744024E+08	3,744023E+08	5,009227E+08	7,191745E+08	9,668920E+08	1,177694E+09	1,298877E+09	1,298881E+09	1,177704E+09	9,669013E+08
1442	7,191754E+08	5,009158E+08	3,743907E+08	3,743906E+08	5,009164E+08	7,191737E+08	9,668946E+08	1,177692E+09	1,298873E+09	1,298885E+09	1,177720E+09	9,669261E+08
1443	7,192017E+08	5,009291E+08	3,743893E+08	3,743915E+08	5,009344E+08	7,192098E+08	9,669386E+08	1,177733E+09	1,298900E+09	1,298894E+09	1,177712E+09	9,668990E+08
1444	7,191581E+08	5,008871E+08	3,743546E+08	3,743532E+08	5,008848E+08	7,191618E+08	9,669096E+08	1,177730E+09	1,298911E+09	1,298906E+09	1,177725E+09	9,669138E+08
1445	7,191690E+08	5,008907E+08	3,743534E+08	3,743518E+08	5,008911E+08	7,191802E+08	9,669365E+08	1,177752E+09	1,298926E+09	1,298915E+09	1,177728E+09	9,669187E+08
1446	7,191771E+08	5,008912E+08	3,743487E+08	3,743521E+08	5,008936E+08	7,191753E+08	9,669297E+08	1,177759E+09	1,298948E+09	1,298935E+09	1,177727E+09	9,668930E+08
1447	7,191441E+08	5,008662E+08	3,743273E+08	3,743262E+08	5,008635E+08	7,191414E+08	9,668895E+08	1,177720E+09	1,298928E+09	1,298947E+09	1,177764E+09	9,669310E+08
1448	7,191751E+08	5,008938E+08	3,743518E+08	3,743495E+08	5,008949E+08	7,191861E+08	9,669328E+08	1,177743E+09	1,298925E+09	1,298927E+09	1,177746E+09	9,669272E+08
1449	7,191710E+08	5,008837E+08	3,743468E+08	3,743515E+08	5,008913E+08	7,191714E+08	9,669144E+08	1,177727E+09	1,298908E+09	1,298907E+09	1,177723E+09	9,669091E+08
1450	7,191642E+08	5,008851E+08	3,743513E+08	3,743544E+08	5,008895E+08	7,191612E+08	9,668995E+08	1,177709E+09	1,298888E+09	1,298892E+09	1,177723E+09	9,669286E+08
1451	7,192054E+08	5,009327E+08	3,743899E+08	3,743877E+08	5,009279E+08	7,192045E+08	9,669358E+08	1,177731E+09	1,298894E+09	1,298880E+09	1,177697E+09	9,668949E+08
1452	7,191711E+08	5,009155E+08	3,743920E+08	3,743915E+08	5,009120E+08	7,191679E+08	9,668957E+08	1,177703E+09	1,298877E+09	1,298869E+09	1,177689E+09	9,668910E+08
1453	7,191761E+08	5,009310E+08	3,744157E+08	3,744178E+08	5,009389E+08	7,191890E+08	9,669019E+08	1,177689E+09	1,298856E+09	1,298856E+09	1,177689E+09	9,669075E+08
1454	7,192045E+08	5,009591E+08	3,744407E+08	3,744480E+08	5,009740E+08	7,192169E+08	9,669138E+08	1,177688E+09	1,298848E+09	1,298844E+09	1,177671E+09	9,668809E+08
1455	7,191770E+08	5,009427E+08	3,744336E+08	3,744371E+08	5,009517E+08	7,191866E+08	9,668810E+08	1,177656E+09	1,298822E+09	1,298837E+09	1,177689E+09	9,669114E+08
1456	7,192112E+08	5,009761E+08	3,744615E+08	3,744589E+08	5,009744E+08	7,192185E+08	9,669181E+08	1,177683E+09	1,298827E+09	1,298820E+09	1,177669E+09	9,669087E+08
1457	7,192171E+08	5,009784E+08	3,744638E+08	3,744659E+08	5,009774E+08	7,192077E+08	9,669003E+08	1,177674E+09	1,298828E+09	1,298817E+09	1,177649E+09	9,668769E+08
1458	7,191904E+08	5,009638E+08	3,744540E+08	3,744520E+08	5,009567E+08	7,191803E+08	9,668699E+08	1,177647E+09	1,298817E+09	1,298828E+09	1,177675E+09	9,669067E+08
1459	7,192218E+08	5,009905E+08	3,744711E+08	3,744664E+08	5,009823E+08	7,192214E+08	9,669116E+08	1,177675E+09	1,298829E+09	1,298830E+09	1,177671E+09	9,668926E+08
1460	7,191907E+08	5,009553E+08	3,744457E+08	3,744484E+08	5,009585E+08	7,191915E+08	9,668921E+08	1,177674E+09	1,298836E+09	1,298834E+09	1,177669E+09	9,668863E+08
1461	7,191805E+08	5,009388E+08	3,744248E+08	3,744283E+08	5,009481E+08	7,191938E+08	9,669017E+08	1,177683E+09	1,298845E+09	1,298847E+09	1,177688E+09	9,669106E+08
1462	7,192062E+08	5,009541E+08	3,744253E+08	3,744273E+08	5,009589E+08	7,192168E+08	9,669296E+08	1,177712E+09	1,298870E+09	1,298859E+09	1,177681E+09	9,668845E+08
1463	7,191674E+08	5,009165E+08	3,743932E+08	3,743909E+08	5,009113E+08	7,191692E+08	9,668969E+08	1,177700E+09	1,298879E+09	1,298884E+09	1,177711E+09	9,669062E+08
1464	7,191799E+08	5,009219E+08	3,743941E+08	3,743900E+08	5,009135E+08	7,191794E+08	9,669167E+08	1,177722E+09	1,298894E+09	1,298890E+09	1,177715E+09	9,669175E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1465	7,191914E+08	5,009243E+08	3,743921E+08	3,743958E+08	5,009266E+08	7,191840E+08	9,669057E+08	1,177711E+09	1,298893E+09	1,298891E+09	1,177703E+09	9,668889E+08
1466	7,191593E+08	5,009006E+08	3,743742E+08	3,743758E+08	5,009040E+08	7,191614E+08	9,668791E+08	1,177677E+09	1,298867E+09	1,298888E+09	1,177724E+09	9,669235E+08
1467	7,191969E+08	5,009337E+08	3,744001E+08	3,743967E+08	5,009292E+08	7,192001E+08	9,669226E+08	1,177704E+09	1,298863E+09	1,298864E+09	1,177704E+09	9,669154E+08
1468	7,191899E+08	5,009266E+08	3,744007E+08	3,744037E+08	5,009270E+08	7,191820E+08	9,669080E+08	1,177706E+09	1,298864E+09	1,298847E+09	1,177671E+09	9,668833E+08
1469	7,191728E+08	5,009227E+08	3,744031E+08	3,744066E+08	5,009275E+08	7,191752E+08	9,668906E+08	1,177683E+09	1,298851E+09	1,298848E+09	1,177679E+09	9,669002E+08
1470	7,192057E+08	5,009664E+08	3,744434E+08	3,744429E+08	5,009665E+08	7,192128E+08	9,669135E+08	1,177688E+09	1,298844E+09	1,298835E+09	1,177662E+09	9,668760E+08
1471	7,191774E+08	5,009494E+08	3,744435E+08	3,744474E+08	5,009583E+08	7,191892E+08	9,668823E+08	1,177656E+09	1,298822E+09	1,298830E+09	1,177670E+09	9,668858E+08
1472	7,191894E+08	5,009656E+08	3,744633E+08	3,744659E+08	5,009750E+08	7,192060E+08	9,668961E+08	1,177658E+09	1,298808E+09	1,298812E+09	1,177667E+09	9,669080E+08
1473	7,192250E+08	5,009972E+08	3,744881E+08	3,744947E+08	5,010100E+08	7,192327E+08	9,669046E+08	1,177655E+09	1,298796E+09	1,298788E+09	1,177633E+09	9,668724E+08
1474	7,191970E+08	5,009838E+08	3,744839E+08	3,744857E+08	5,009872E+08	7,192005E+08	9,668713E+08	1,177626E+09	1,298778E+09	1,298785E+09	1,177644E+09	9,668969E+08
1475	7,192309E+08	5,010181E+08	3,745122E+08	3,745052E+08	5,010032E+08	7,192221E+08	9,668985E+08	1,177646E+09	1,298782E+09	1,298777E+09	1,177637E+09	9,668949E+08
1476	7,192300E+08	5,010169E+08	3,745158E+08	3,745174E+08	5,010114E+08	7,192120E+08	9,668833E+08	1,177645E+09	1,298787E+09	1,298773E+09	1,177614E+09	9,668588E+08
1477	7,191945E+08	5,009915E+08	3,744967E+08	3,744989E+08	5,009955E+08	7,191977E+08	9,668599E+08	1,177615E+09	1,298775E+09	1,298788E+09	1,177646E+09	9,668915E+08
1478	7,192229E+08	5,010144E+08	3,745109E+08	3,745089E+08	5,010160E+08	7,192369E+08	9,669033E+08	1,177640E+09	1,298777E+09	1,298781E+09	1,177640E+09	9,668826E+08
1479	7,192013E+08	5,009829E+08	3,744832E+08	3,744874E+08	5,009908E+08	7,192093E+08	9,668907E+08	1,177648E+09	1,298794E+09	1,298795E+09	1,177644E+09	9,668779E+08
1480	7,191932E+08	5,009690E+08	3,744614E+08	3,744608E+08	5,009681E+08	7,191984E+08	9,668957E+08	1,177668E+09	1,298821E+09	1,298816E+09	1,177663E+09	9,669021E+08
1481	7,192192E+08	5,009867E+08	3,744660E+08	3,744650E+08	5,009842E+08	7,192194E+08	9,669091E+08	1,177680E+09	1,298834E+09	1,298823E+09	1,177652E+09	9,668713E+08
1482	7,191774E+08	5,009493E+08	3,744382E+08	3,744361E+08	5,009443E+08	7,191765E+08	9,668758E+08	1,177660E+09	1,298835E+09	1,298844E+09	1,177681E+09	9,668971E+08
1483	7,191937E+08	5,009554E+08	3,744396E+08	3,744358E+08	5,009474E+08	7,191889E+08	9,668963E+08	1,177675E+09	1,298838E+09	1,298846E+09	1,177692E+09	9,669151E+08
1484	7,192076E+08	5,009596E+08	3,744403E+08	3,744451E+08	5,009631E+08	7,191983E+08	9,669005E+08	1,177683E+09	1,298839E+09	1,298831E+09	1,177662E+09	9,668761E+08
1485	7,191708E+08	5,009320E+08	3,744178E+08	3,744220E+08	5,009418E+08	7,191816E+08	9,668797E+08	1,177657E+09	1,298824E+09	1,298834E+09	1,177680E+09	9,669028E+08
1486	7,192035E+08	5,009673E+08	3,744479E+08	3,744435E+08	5,009629E+08	7,192120E+08	9,669124E+08	1,177673E+09	1,298817E+09	1,298813E+09	1,177660E+09	9,668944E+08
1487	7,191997E+08	5,009634E+08	3,744511E+08	3,744542E+08	5,009650E+08	7,191962E+08	9,668958E+08	1,177670E+09	1,298822E+09	1,298812E+09	1,177643E+09	9,668669E+08
1488	7,191811E+08	5,009583E+08	3,744530E+08	3,744556E+08	5,009615E+08	7,191836E+08	9,668753E+08	1,177653E+09	1,298814E+09	1,298814E+09	1,177657E+09	9,668932E+08
1489	7,192176E+08	5,010011E+08	3,744927E+08	3,744946E+08	5,010089E+08	7,192290E+08	9,668937E+08	1,177641E+09	1,298787E+09	1,298785E+09	1,177632E+09	9,668700E+08
1490	7,191941E+08	5,009870E+08	3,744945E+08	3,745003E+08	5,010013E+08	7,192107E+08	9,668749E+08	1,177618E+09	1,298763E+09	1,298770E+09	1,177630E+09	9,668809E+08
1491	7,192136E+08	5,010081E+08	3,745148E+08	3,745143E+08	5,010082E+08	7,192161E+08	9,668842E+08	1,177623E+09	1,298754E+09	1,298755E+09	1,177629E+09	9,669007E+08
1492	7,192474E+08	5,010425E+08	3,745437E+08	3,745459E+08	5,010415E+08	7,192376E+08	9,668931E+08	1,177631E+09	1,298753E+09	1,298733E+09	1,177586E+09	9,668509E+08
1493	7,192078E+08	5,010221E+08	3,745363E+08	3,745370E+08	5,010234E+08	7,192108E+08	9,668570E+08	1,177595E+09	1,298738E+09	1,298742E+09	1,177605E+09	9,668722E+08
1494	7,192325E+08	5,010510E+08	3,745631E+08	3,745567E+08	5,010402E+08	7,192298E+08	9,668740E+08	1,177599E+09	1,298729E+09	1,298731E+09	1,177604E+09	9,668792E+08
1495	7,192362E+08	5,010468E+08	3,745611E+08	3,745666E+08	5,010543E+08	7,192340E+08	9,668722E+08	1,177602E+09	1,298736E+09	1,298736E+09	1,177593E+09	9,668513E+08
1496	7,192042E+08	5,010191E+08	3,745357E+08	3,745381E+08	5,010265E+08	7,192146E+08	9,668605E+08	1,177597E+09	1,298740E+09	1,298750E+09	1,177622E+09	9,668879E+08
1497	7,192362E+08	5,010419E+08	3,745466E+08	3,745452E+08	5,010456E+08	7,192501E+08	9,668971E+08	1,177619E+09	1,298741E+09	1,298737E+09	1,177606E+09	9,668727E+08
1498	7,192153E+08	5,010149E+08	3,745233E+08	3,745253E+08	5,010186E+08	7,192206E+08	9,668850E+08	1,177629E+09	1,298765E+09	1,298757E+09	1,177611E+09	9,668676E+08
1499	7,192083E+08	5,010024E+08	3,745036E+08	3,744984E+08	5,009895E+08	7,191968E+08	9,668752E+08	1,177636E+09	1,298786E+09	1,298786E+09	1,177642E+09	9,668951E+08
1500	7,192310E+08	5,010190E+08	3,745111E+08	3,745091E+08	5,010121E+08	7,192204E+08	9,668902E+08	1,177649E+09	1,298793E+09	1,298784E+09	1,177625E+09	9,668607E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1501	7,191847E+08	5,009763E+08	3,744795E+08	3,744808E+08	5,009821E+08	7,191940E+08	9,668637E+08	1,177622E+09	1,298785E+09	1,298799E+09	1,177652E+09	9,668853E+08
1502	7,192003E+08	5,009834E+08	3,744818E+08	3,744791E+08	5,009813E+08	7,192026E+08	9,668826E+08	1,177633E+09	1,298776E+09	1,298786E+09	1,177654E+09	9,669051E+08
1503	7,192231E+08	5,009935E+08	3,744842E+08	3,744895E+08	5,009995E+08	7,192163E+08	9,668948E+08	1,177651E+09	1,298790E+09	1,298781E+09	1,177624E+09	9,668622E+08
1504	7,191853E+08	5,009687E+08	3,744641E+08	3,744642E+08	5,009699E+08	7,191895E+08	9,668717E+08	1,177637E+09	1,298791E+09	1,298792E+09	1,177642E+09	9,668855E+08
1505	7,192137E+08	5,010029E+08	3,744970E+08	3,744921E+08	5,009985E+08	7,192202E+08	9,668923E+08	1,177637E+09	1,298774E+09	1,298767E+09	1,177621E+09	9,668741E+08
1506	7,192082E+08	5,010003E+08	3,745045E+08	3,745089E+08	5,010080E+08	7,192132E+08	9,668809E+08	1,177632E+09	1,298773E+09	1,298764E+09	1,177608E+09	9,668554E+08
1507	7,191946E+08	5,009952E+08	3,745054E+08	3,745078E+08	5,010008E+08	7,191986E+08	9,668605E+08	1,177611E+09	1,298760E+09	1,298768E+09	1,177631E+09	9,668905E+08
1508	7,192360E+08	5,010400E+08	3,745458E+08	3,745478E+08	5,010473E+08	7,192446E+08	9,668903E+08	1,177616E+09	1,298736E+09	1,298728E+09	1,177593E+09	9,668599E+08
1509	7,192112E+08	5,010249E+08	3,745448E+08	3,745512E+08	5,010408E+08	7,192284E+08	9,668693E+08	1,177594E+09	1,298722E+09	1,298721E+09	1,177590E+09	9,668637E+08
1510	7,192255E+08	5,010475E+08	3,745678E+08	3,745642E+08	5,010416E+08	7,192224E+08	9,668635E+08	1,177584E+09	1,298706E+09	1,298707E+09	1,177591E+09	9,668855E+08
1511	7,192615E+08	5,010824E+08	3,745974E+08	3,745983E+08	5,010793E+08	7,192478E+08	9,668726E+08	1,177588E+09	1,298707E+09	1,298698E+09	1,177559E+09	9,668378E+08
1512	7,192181E+08	5,010570E+08	3,745856E+08	3,745856E+08	5,010580E+08	7,192200E+08	9,668394E+08	1,177560E+09	1,298696E+09	1,298705E+09	1,177582E+09	9,668650E+08
1513	7,192430E+08	5,010812E+08	3,746070E+08	3,746044E+08	5,010816E+08	7,192487E+08	9,668585E+08	1,177554E+09	1,298671E+09	1,298679E+09	1,177571E+09	9,668705E+08
1514	7,192503E+08	5,010790E+08	3,746044E+08	3,746109E+08	5,010920E+08	7,192569E+08	9,668716E+08	1,177573E+09	1,298683E+09	1,298677E+09	1,177553E+09	9,668435E+08
1515	7,192223E+08	5,010529E+08	3,745775E+08	3,745765E+08	5,010525E+08	7,192240E+08	9,668543E+08	1,177575E+09	1,298702E+09	1,298706E+09	1,177589E+09	9,668785E+08
1516	7,192519E+08	5,010764E+08	3,745909E+08	3,745857E+08	5,010694E+08	7,192533E+08	9,668890E+08	1,177602E+09	1,298711E+09	1,298696E+09	1,177567E+09	9,668526E+08
1517	7,192214E+08	5,010435E+08	3,745651E+08	3,745670E+08	5,010475E+08	7,192270E+08	9,668698E+08	1,177603E+09	1,298735E+09	1,298727E+09	1,177582E+09	9,668475E+08
1518	7,192085E+08	5,010286E+08	3,745458E+08	3,745413E+08	5,010201E+08	7,192018E+08	9,668500E+08	1,177591E+09	1,298736E+09	1,298747E+09	1,177619E+09	9,668870E+08
1519	7,192403E+08	5,010466E+08	3,745519E+08	3,745523E+08	5,010481E+08	7,192373E+08	9,668762E+08	1,177606E+09	1,298743E+09	1,298747E+09	1,177603E+09	9,668557E+08
1520	7,191978E+08	5,010050E+08	3,745184E+08	3,745192E+08	5,010112E+08	7,192087E+08	9,668615E+08	1,177601E+09	1,298746E+09	1,298755E+09	1,177621E+09	9,668789E+08
1521	7,192158E+08	5,010147E+08	3,745217E+08	3,745199E+08	5,010147E+08	7,192165E+08	9,668720E+08	1,177604E+09	1,298732E+09	1,298733E+09	1,177610E+09	9,668887E+08
1522	7,192379E+08	5,010307E+08	3,745313E+08	3,745341E+08	5,010331E+08	7,192316E+08	9,668877E+08	1,177626E+09	1,298751E+09	1,298732E+09	1,177582E+09	9,668460E+08
1523	7,191989E+08	5,010060E+08	3,745149E+08	3,745120E+08	5,010004E+08	7,191943E+08	9,668537E+08	1,177605E+09	1,298753E+09	1,298756E+09	1,177615E+09	9,668743E+08
1524	7,192246E+08	5,010379E+08	3,745493E+08	3,745453E+08	5,010353E+08	7,192297E+08	9,668776E+08	1,177605E+09	1,298729E+09	1,298723E+09	1,177589E+09	9,668607E+08
1525	7,192167E+08	5,010321E+08	3,745538E+08	3,745620E+08	5,010520E+08	7,192358E+08	9,668722E+08	1,177595E+09	1,298724E+09	1,298718E+09	1,177577E+09	9,668433E+08
1526	7,192054E+08	5,010306E+08	3,745561E+08	3,745583E+08	5,010382E+08	7,192131E+08	9,668463E+08	1,177568E+09	1,298698E+09	1,298709E+09	1,177595E+09	9,668837E+08
1527	7,192573E+08	5,010813E+08	3,745978E+08	3,745982E+08	5,010848E+08	7,192590E+08	9,668766E+08	1,177579E+09	1,298689E+09	1,298681E+09	1,177556E+09	9,668482E+08
1528	7,192307E+08	5,010679E+08	3,745984E+08	3,746002E+08	5,010724E+08	7,192351E+08	9,668533E+08	1,177564E+09	1,298683E+09	1,298678E+09	1,177553E+09	9,668494E+08
1529	7,192405E+08	5,010870E+08	3,746205E+08	3,746175E+08	5,010810E+08	7,192303E+08	9,668356E+08	1,177535E+09	1,298651E+09	1,298656E+09	1,177552E+09	9,668682E+08
1530	7,192732E+08	5,011206E+08	3,746509E+08	3,746533E+08	5,011238E+08	7,192682E+08	9,668586E+08	1,177545E+09	1,298649E+09	1,298641E+09	1,177523E+09	9,668283E+08
1531	7,192317E+08	5,010916E+08	3,746349E+08	3,746352E+08	5,010957E+08	7,192377E+08	9,668305E+08	1,177523E+09	1,298643E+09	1,298655E+09	1,177551E+09	9,668579E+08
1532	7,192566E+08	5,011125E+08	3,746517E+08	3,746496E+08	5,011143E+08	7,192657E+08	9,668630E+08	1,177539E+09	1,298630E+09	1,298626E+09	1,177529E+09	9,668534E+08
1533	7,192602E+08	5,011085E+08	3,746449E+08	3,746520E+08	5,011242E+08	7,192749E+08	9,668729E+08	1,177560E+09	1,298658E+09	1,298641E+09	1,177517E+09	9,668222E+08
1534	7,192272E+08	5,010828E+08	3,746187E+08	3,746141E+08	5,010754E+08	7,192265E+08	9,668372E+08	1,177546E+09	1,298669E+09	1,298673E+09	1,177561E+09	9,668655E+08
1535	7,192616E+08	5,011062E+08	3,746320E+08	3,746259E+08	5,010964E+08	7,192570E+08	9,668669E+08	1,177567E+09	1,298680E+09	1,298675E+09	1,177551E+09	9,668450E+08
1536	7,192312E+08	5,010711E+08	3,746039E+08	3,746057E+08	5,010742E+08	7,192314E+08	9,668492E+08	1,177568E+09	1,298699E+09	1,298698E+09	1,177566E+09	9,668462E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1537	7,192211E+08	5,010545E+08	3,745825E+08	3,745821E+08	5,010548E+08	7,192149E+08	9,668299E+08	1,177543E+09	1,298677E+09	1,298696E+09	1,177588E+09	9,668816E+08
1538	7,192574E+08	5,010792E+08	3,745934E+08	3,745937E+08	5,010814E+08	7,192565E+08	9,668728E+08	1,177575E+09	1,298687E+09	1,298683E+09	1,177562E+09	9,668478E+08
1539	7,192169E+08	5,010416E+08	3,745635E+08	3,745606E+08	5,010382E+08	7,192175E+08	9,668526E+08	1,177576E+09	1,298704E+09	1,298705E+09	1,177580E+09	9,668633E+08
1540	7,192298E+08	5,010518E+08	3,745712E+08	3,745665E+08	5,010441E+08	7,192251E+08	9,668653E+08	1,177583E+09	1,298696E+09	1,298686E+09	1,177563E+09	9,668610E+08
1541	7,192424E+08	5,010637E+08	3,745810E+08	3,745857E+08	5,010721E+08	7,192470E+08	9,668754E+08	1,177596E+09	1,298716E+09	1,298696E+09	1,177548E+09	9,668214E+08
1542	7,191994E+08	5,010369E+08	3,745646E+08	3,745641E+08	5,010397E+08	7,192077E+08	9,668335E+08	1,177560E+09	1,298701E+09	1,298713E+09	1,177589E+09	9,668661E+08
1543	7,192367E+08	5,010705E+08	3,745973E+08	3,745968E+08	5,010772E+08	7,192507E+08	9,668665E+08	1,177565E+09	1,298681E+09	1,298684E+09	1,177565E+09	9,668571E+08
1544	7,192346E+08	5,010673E+08	3,746003E+08	3,746083E+08	5,010858E+08	7,192505E+08	9,668669E+08	1,177571E+09	1,298683E+09	1,298674E+09	1,177548E+09	9,668397E+08
1545	7,192268E+08	5,010696E+08	3,746048E+08	3,746077E+08	5,010759E+08	7,192254E+08	9,668286E+08	1,177529E+09	1,298647E+09	1,298655E+09	1,177554E+09	9,668714E+08
1546	7,192784E+08	5,011268E+08	3,746536E+08	3,746502E+08	5,011206E+08	7,192712E+08	9,668616E+08	1,177541E+09	1,298636E+09	1,298625E+09	1,177515E+09	9,668351E+08
1547	7,192480E+08	5,011111E+08	3,746557E+08	3,746548E+08	5,011077E+08	7,192410E+08	9,668307E+08	1,177522E+09	1,298633E+09	1,298631E+09	1,177521E+09	9,668374E+08
1548	7,192541E+08	5,011253E+08	3,746751E+08	3,746734E+08	5,011221E+08	7,192466E+08	9,668235E+08	1,177496E+09	1,298595E+09	1,298600E+09	1,177510E+09	9,668490E+08
1549	7,192809E+08	5,011522E+08	3,746984E+08	3,747047E+08	5,011673E+08	7,192944E+08	9,668563E+08	1,177512E+09	1,298598E+09	1,298589E+09	1,177484E+09	9,668093E+08
1550	7,192388E+08	5,011229E+08	3,746794E+08	3,746798E+08	5,011285E+08	7,192529E+08	9,668252E+08	1,177495E+09	1,298594E+09	1,298602E+09	1,177514E+09	9,668461E+08
1551	7,192707E+08	5,011454E+08	3,746940E+08	3,746910E+08	5,011432E+08	7,192759E+08	9,668528E+08	1,177516E+09	1,298603E+09	1,298595E+09	1,177497E+09	9,668383E+08
1552	7,192709E+08	5,011404E+08	3,746864E+08	3,746900E+08	5,011462E+08	7,192759E+08	9,668582E+08	1,177539E+09	1,298637E+09	1,298618E+09	1,177495E+09	9,668107E+08
1553	7,192364E+08	5,011116E+08	3,746589E+08	3,746566E+08	5,011061E+08	7,192291E+08	9,668083E+08	1,177500E+09	1,298624E+09	1,298638E+09	1,177537E+09	9,668556E+08
1554	7,192724E+08	5,011372E+08	3,746741E+08	3,746688E+08	5,011297E+08	7,192707E+08	9,668504E+08	1,177524E+09	1,298626E+09	1,298628E+09	1,177526E+09	9,668436E+08
1555	7,192465E+08	5,011018E+08	3,746453E+08	3,746473E+08	5,011044E+08	7,192438E+08	9,668387E+08	1,177532E+09	1,298647E+09	1,298651E+09	1,177540E+09	9,668434E+08
1556	7,192384E+08	5,010863E+08	3,746237E+08	3,746237E+08	5,010849E+08	7,192307E+08	9,668319E+08	1,177522E+09	1,298632E+09	1,298640E+09	1,177543E+09	9,668628E+08
1557	7,192676E+08	5,011104E+08	3,746351E+08	3,746360E+08	5,011146E+08	7,192753E+08	9,668731E+08	1,177558E+09	1,298656E+09	1,298642E+09	1,177520E+09	9,668220E+08
1558	7,192212E+08	5,010738E+08	3,746087E+08	3,746041E+08	5,010666E+08	7,192251E+08	9,668393E+08	1,177546E+09	1,298667E+09	1,298667E+09	1,177549E+09	9,668459E+08
1559	7,192366E+08	5,010822E+08	3,746161E+08	3,746138E+08	5,010785E+08	7,192350E+08	9,668471E+08	1,177550E+09	1,298666E+09	1,298662E+09	1,177542E+09	9,668486E+08
1560	7,192493E+08	5,010929E+08	3,746247E+08	3,746316E+08	5,011069E+08	7,192600E+08	9,668616E+08	1,177562E+09	1,298677E+09	1,298665E+09	1,177531E+09	9,668191E+08
1561	7,192139E+08	5,010674E+08	3,746075E+08	3,746119E+08	5,010789E+08	7,192235E+08	9,668158E+08	1,177512E+09	1,298639E+09	1,298658E+09	1,177557E+09	9,668622E+08
1562	7,192596E+08	5,011115E+08	3,746466E+08	3,746446E+08	5,011125E+08	7,192676E+08	9,668598E+08	1,177531E+09	1,298621E+09	1,298617E+09	1,177524E+09	9,668531E+08
1563	7,192603E+08	5,011136E+08	3,746555E+08	3,746587E+08	5,011169E+08	7,192557E+08	9,668488E+08	1,177534E+09	1,298633E+09	1,298619E+09	1,177506E+09	9,668264E+08
1564	7,192468E+08	5,011157E+08	3,746636E+08	3,746629E+08	5,011105E+08	7,192337E+08	9,668135E+08	1,177491E+09	1,298594E+09	1,298597E+09	1,177503E+09	9,668441E+08
1565	7,192864E+08	5,011666E+08	3,747111E+08	3,747095E+08	5,011653E+08	7,192892E+08	9,668467E+08	1,177500E+09	1,298586E+09	1,298576E+09	1,177474E+09	9,668081E+08
1566	7,192508E+08	5,011467E+08	3,747096E+08	3,747110E+08	5,011508E+08	7,192588E+08	9,668145E+08	1,177475E+09	1,298573E+09	1,298578E+09	1,177486E+09	9,668233E+08
1567	7,192639E+08	5,011578E+08	3,747227E+08	3,747247E+08	5,011642E+08	7,192693E+08	9,668182E+08	1,177466E+09	1,298554E+09	1,298559E+09	1,177477E+09	9,668360E+08
1568	7,192920E+08	5,011835E+08	3,747408E+08	3,747475E+08	5,011991E+08	7,193097E+08	9,668558E+08	1,177497E+09	1,298569E+09	1,298553E+09	1,177456E+09	9,668007E+08
1569	7,192530E+08	5,011541E+08	3,747196E+08	3,747216E+08	5,011593E+08	7,192610E+08	9,668100E+08	1,177464E+09	1,298558E+09	1,298565E+09	1,177483E+09	9,668346E+08
1570	7,192855E+08	5,011813E+08	3,747385E+08	3,747323E+08	5,011696E+08	7,192820E+08	9,668393E+08	1,177487E+09	1,298563E+09	1,298557E+09	1,177475E+09	9,668338E+08
1571	7,192850E+08	5,011745E+08	3,747317E+08	3,747333E+08	5,011722E+08	7,192750E+08	9,668327E+08	1,177500E+09	1,298595E+09	1,298587E+09	1,177479E+09	9,668086E+08
1572	7,192502E+08	5,011433E+08	3,747024E+08	3,747009E+08	5,011388E+08	7,192423E+08	9,667954E+08	1,177458E+09	1,298568E+09	1,298589E+09	1,177505E+09	9,668445E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1573	7,192827E+08	5,011662E+08	3,747147E+08	3,747123E+08	5,011662E+08	7,192924E+08	9,668475E+08	1,177490E+09	1,298573E+09	1,298576E+09	1,177489E+09	9,668269E+08
1574	7,192556E+08	5,011326E+08	3,746857E+08	3,746876E+08	5,011342E+08	7,192572E+08	9,668331E+08	1,177504E+09	1,298597E+09	1,298595E+09	1,177498E+09	9,668286E+08
1575	7,192513E+08	5,011190E+08	3,746653E+08	3,746651E+08	5,011149E+08	7,192422E+08	9,668236E+08	1,177503E+09	1,298606E+09	1,298605E+09	1,177504E+09	9,668403E+08
1576	7,192731E+08	5,011405E+08	3,746769E+08	3,746766E+08	5,011410E+08	7,192815E+08	9,668633E+08	1,177538E+09	1,298632E+09	1,298616E+09	1,177494E+09	9,668063E+08
1577	7,192268E+08	5,011013E+08	3,746504E+08	3,746510E+08	5,011030E+08	7,192340E+08	9,668178E+08	1,177505E+09	1,298621E+09	1,298631E+09	1,177524E+09	9,668354E+08
1578	7,192468E+08	5,011144E+08	3,746609E+08	3,746602E+08	5,011148E+08	7,192521E+08	9,668363E+08	1,177510E+09	1,298610E+09	1,298613E+09	1,177519E+09	9,668485E+08
1579	7,192658E+08	5,011276E+08	3,746710E+08	3,746776E+08	5,011390E+08	7,192714E+08	9,668509E+08	1,177528E+09	1,298627E+09	1,298618E+09	1,177504E+09	9,668181E+08
1580	7,192363E+08	5,011078E+08	3,746574E+08	3,746602E+08	5,011133E+08	7,192392E+08	9,668118E+08	1,177482E+09	1,298587E+09	1,298598E+09	1,177510E+09	9,668450E+08
1581	7,192765E+08	5,011538E+08	3,746998E+08	3,746960E+08	5,011492E+08	7,192817E+08	9,668492E+08	1,177500E+09	1,298577E+09	1,298568E+09	1,177480E+09	9,668280E+08
1582	7,192709E+08	5,011565E+08	3,747120E+08	3,747129E+08	5,011523E+08	7,192624E+08	9,668278E+08	1,177492E+09	1,298580E+09	1,298569E+09	1,177469E+09	9,668094E+08
1583	7,192582E+08	5,011550E+08	3,747192E+08	3,747207E+08	5,011533E+08	7,192459E+08	9,667911E+08	1,177450E+09	1,298551E+09	1,298557E+09	1,177471E+09	9,668269E+08
1584	7,192929E+08	5,011993E+08	3,747606E+08	3,747620E+08	5,012066E+08	7,193077E+08	9,668364E+08	1,177464E+09	1,298538E+09	1,298534E+09	1,177447E+09	9,667997E+08
1585	7,192626E+08	5,011774E+08	3,747545E+08	3,747616E+08	5,011931E+08	7,192789E+08	9,668054E+08	1,177434E+09	1,298512E+09	1,298521E+09	1,177449E+09	9,668137E+08
1586	7,192813E+08	5,011953E+08	3,747687E+08	3,747694E+08	5,011977E+08	7,192865E+08	9,668169E+08	1,177442E+09	1,298505E+09	1,298503E+09	1,177442E+09	9,668290E+08
1587	7,193096E+08	5,012226E+08	3,747891E+08	3,747914E+08	5,012256E+08	7,193126E+08	9,668405E+08	1,177471E+09	1,298536E+09	1,298517E+09	1,177427E+09	9,667914E+08
1588	7,192697E+08	5,011929E+08	3,747692E+08	3,747678E+08	5,011884E+08	7,192669E+08	9,667947E+08	1,177430E+09	1,298515E+09	1,298523E+09	1,177449E+09	9,668164E+08
1589	7,192931E+08	5,012141E+08	3,747855E+08	3,747807E+08	5,012058E+08	7,192934E+08	9,668224E+08	1,177448E+09	1,298519E+09	1,298519E+09	1,177447E+09	9,668176E+08
1590	7,192907E+08	5,012047E+08	3,747750E+08	3,747779E+08	5,012063E+08	7,192877E+08	9,668170E+08	1,177456E+09	1,298538E+09	1,298538E+09	1,177452E+09	9,668030E+08
1591	7,192623E+08	5,011716E+08	3,747415E+08	3,747426E+08	5,011728E+08	7,192596E+08	9,667903E+08	1,177433E+09	1,298530E+09	1,298546E+09	1,177472E+09	9,668322E+08
1592	7,192923E+08	5,011932E+08	3,747505E+08	3,747483E+08	5,011936E+08	7,193061E+08	9,668487E+08	1,177478E+09	1,298546E+09	1,298540E+09	1,177458E+09	9,668147E+08
1593	7,192659E+08	5,011602E+08	3,747222E+08	3,747257E+08	5,011627E+08	7,192651E+08	9,668211E+08	1,177476E+09	1,298561E+09	1,298555E+09	1,177463E+09	9,668115E+08
1594	7,192606E+08	5,011513E+08	3,747071E+08	3,747048E+08	5,011420E+08	7,192502E+08	9,668139E+08	1,177478E+09	1,298569E+09	1,298568E+09	1,177481E+09	9,668319E+08
1595	7,192813E+08	5,011714E+08	3,747212E+08	3,747209E+08	5,011704E+08	7,192839E+08	9,668409E+08	1,177502E+09	1,298594E+09	1,298585E+09	1,177477E+09	9,668036E+08
1596	7,192402E+08	5,011334E+08	3,746948E+08	3,746963E+08	5,011379E+08	7,192494E+08	9,668065E+08	1,177462E+09	1,298565E+09	1,298580E+09	1,177492E+09	9,668258E+08
1597	7,192601E+08	5,011483E+08	3,747071E+08	3,747074E+08	5,011518E+08	7,192705E+08	9,668315E+08	1,177477E+09	1,298555E+09	1,298559E+09	1,177481E+09	9,668346E+08
1598	7,192815E+08	5,011677E+08	3,747206E+08	3,747245E+08	5,011706E+08	7,192799E+08	9,668366E+08	1,177491E+09	1,298571E+09	1,298558E+09	1,177462E+09	9,668055E+08
1599	7,192546E+08	5,011509E+08	3,747118E+08	3,747126E+08	5,011495E+08	7,192478E+08	9,667933E+08	1,177450E+09	1,298549E+09	1,298553E+09	1,177465E+09	9,668218E+08
1600	7,192862E+08	5,011933E+08	3,747542E+08	3,747498E+08	5,011867E+08	7,192907E+08	9,668312E+08	1,177464E+09	1,298534E+09	1,298528E+09	1,177446E+09	9,668103E+08
1601	7,192787E+08	5,011906E+08	3,747641E+08	3,747711E+08	5,011994E+08	7,192778E+08	9,668052E+08	1,177440E+09	1,298518E+09	1,298515E+09	1,177432E+09	9,667947E+08
1602	7,192691E+08	5,011919E+08	3,747710E+08	3,747749E+08	5,011982E+08	7,192709E+08	9,667874E+08	1,177412E+09	1,298488E+09	1,298499E+09	1,177440E+09	9,668217E+08
1603	7,193066E+08	5,012347E+08	3,748102E+08	3,748122E+08	5,012436E+08	7,193236E+08	9,668319E+08	1,177438E+09	1,298492E+09	1,298485E+09	1,177416E+09	9,667951E+08
1604	7,192823E+08	5,012163E+08	3,748033E+08	3,748084E+08	5,012279E+08	7,192971E+08	9,668056E+08	1,177412E+09	1,298471E+09	1,298470E+09	1,177407E+09	9,667964E+08
1605	7,192950E+08	5,012339E+08	3,748183E+08	3,748162E+08	5,012306E+08	7,192987E+08	9,668093E+08	1,177418E+09	1,298472E+09	1,298466E+09	1,177408E+09	9,668088E+08
1606	7,193188E+08	5,012596E+08	3,748380E+08	3,748375E+08	5,012546E+08	7,193146E+08	9,668183E+08	1,177433E+09	1,298492E+09	1,298479E+09	1,177402E+09	9,667834E+08
1607	7,192819E+08	5,012267E+08	3,748162E+08	3,748161E+08	5,012244E+08	7,192747E+08	9,667705E+08	1,177392E+09	1,298478E+09	1,298489E+09	1,177424E+09	9,668068E+08
1608	7,193015E+08	5,012414E+08	3,748251E+08	3,748223E+08	5,012387E+08	7,193065E+08	9,668098E+08	1,177412E+09	1,298472E+09	1,298479E+09	1,177424E+09	9,668139E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1609	7,193032E+08	5,012304E+08	3,748113E+08	3,748184E+08	5,012400E+08	7,193021E+08	9,668074E+08	1,177419E+09	1,298480E+09	1,298480E+09	1,177414E+09	9,667935E+08
1610	7,192783E+08	5,012051E+08	3,747814E+08	3,747797E+08	5,012001E+08	7,192724E+08	9,667883E+08	1,177412E+09	1,298484E+09	1,298492E+09	1,177435E+09	9,668197E+08
1611	7,193027E+08	5,012254E+08	3,747928E+08	3,747867E+08	5,012163E+08	7,193071E+08	9,668346E+08	1,177456E+09	1,298517E+09	1,298506E+09	1,177428E+09	9,668001E+08
1612	7,192759E+08	5,011932E+08	3,747669E+08	3,747682E+08	5,011928E+08	7,192753E+08	9,668097E+08	1,177446E+09	1,298522E+09	1,298516E+09	1,177429E+09	9,667907E+08
1613	7,192638E+08	5,011804E+08	3,747514E+08	3,747506E+08	5,011783E+08	7,192644E+08	9,668008E+08	1,177444E+09	1,298528E+09	1,298532E+09	1,177454E+09	9,668165E+08
1614	7,192870E+08	5,012003E+08	3,747639E+08	3,747648E+08	5,012042E+08	7,192969E+08	9,668276E+08	1,177463E+09	1,298540E+09	1,298537E+09	1,177452E+09	9,668018E+08
1615	7,192566E+08	5,011661E+08	3,747389E+08	3,747420E+08	5,011736E+08	7,192635E+08	9,667969E+08	1,177437E+09	1,298528E+09	1,298535E+09	1,177457E+09	9,668155E+08
1616	7,192744E+08	5,011823E+08	3,747515E+08	3,747510E+08	5,011834E+08	7,192809E+08	9,668225E+08	1,177453E+09	1,298520E+09	1,298518E+09	1,177449E+09	9,668242E+08
1617	7,192965E+08	5,012034E+08	3,747689E+08	3,747733E+08	5,012055E+08	7,192881E+08	9,668176E+08	1,177450E+09	1,298519E+09	1,298508E+09	1,177423E+09	9,667899E+08
1618	7,192689E+08	5,011921E+08	3,747661E+08	3,747650E+08	5,011868E+08	7,192596E+08	9,667789E+08	1,177412E+09	1,298494E+09	1,298502E+09	1,177435E+09	9,668109E+08
1619	7,192965E+08	5,012306E+08	3,748084E+08	3,748048E+08	5,012272E+08	7,193017E+08	9,668107E+08	1,177421E+09	1,298483E+09	1,298482E+09	1,177418E+09	9,668038E+08
1620	7,192947E+08	5,012287E+08	3,748163E+08	3,748242E+08	5,012441E+08	7,193041E+08	9,668004E+08	1,177399E+09	1,298455E+09	1,298453E+09	1,177389E+09	9,667796E+08
1621	7,192828E+08	5,012295E+08	3,748223E+08	3,748265E+08	5,012396E+08	7,192944E+08	9,667888E+08	1,177387E+09	1,298439E+09	1,298442E+09	1,177395E+09	9,668037E+08
1622	7,193209E+08	5,012742E+08	3,748607E+08	3,748600E+08	5,012762E+08	7,193330E+08	9,668208E+08	1,177409E+09	1,298447E+09	1,298433E+09	1,177376E+09	9,667831E+08
1623	7,192996E+08	5,012572E+08	3,748559E+08	3,748582E+08	5,012608E+08	7,193017E+08	9,667863E+08	1,177387E+09	1,298445E+09	1,298435E+09	1,177372E+09	9,667780E+08
1624	7,193037E+08	5,012687E+08	3,748675E+08	3,748645E+08	5,012632E+08	7,193033E+08	9,667882E+08	1,177384E+09	1,298437E+09	1,298438E+09	1,177387E+09	9,667993E+08
1625	7,193275E+08	5,012889E+08	3,748830E+08	3,748860E+08	5,012918E+08	7,193237E+08	9,667923E+08	1,177381E+09	1,298433E+09	1,298431E+09	1,177374E+09	9,667759E+08
1626	7,192948E+08	5,012589E+08	3,748599E+08	3,748600E+08	5,012598E+08	7,192933E+08	9,667642E+08	1,177355E+09	1,298417E+09	1,298434E+09	1,177396E+09	9,668036E+08
1627	7,193155E+08	5,012720E+08	3,748663E+08	3,748631E+08	5,012686E+08	7,193174E+08	9,668016E+08	1,177387E+09	1,298430E+09	1,298431E+09	1,177391E+09	9,668072E+08
1628	7,193207E+08	5,012636E+08	3,748516E+08	3,748560E+08	5,012695E+08	7,193185E+08	9,668049E+08	1,177396E+09	1,298441E+09	1,298431E+09	1,177370E+09	9,667719E+08
1629	7,192863E+08	5,012370E+08	3,748246E+08	3,748202E+08	5,012290E+08	7,192842E+08	9,667840E+08	1,177395E+09	1,298457E+09	1,298459E+09	1,177400E+09	9,667967E+08
1630	7,193057E+08	5,012538E+08	3,748351E+08	3,748283E+08	5,012437E+08	7,193102E+08	9,668153E+08	1,177424E+09	1,298480E+09	1,298473E+09	1,177406E+09	9,667910E+08
1631	7,192836E+08	5,012211E+08	3,748093E+08	3,748128E+08	5,012274E+08	7,192851E+08	9,667904E+08	1,177415E+09	1,298492E+09	1,298486E+09	1,177407E+09	9,667815E+08
1632	7,192706E+08	5,012052E+08	3,747896E+08	3,747912E+08	5,012114E+08	7,192798E+08	9,667918E+08	1,177411E+09	1,298484E+09	1,298494E+09	1,177433E+09	9,668149E+08
1633	7,193017E+08	5,012278E+08	3,748028E+08	3,748060E+08	5,012360E+08	7,193087E+08	9,668152E+08	1,177425E+09	1,298483E+09	1,298479E+09	1,177414E+09	9,667944E+08
1634	7,192773E+08	5,012053E+08	3,747860E+08	3,747856E+08	5,012046E+08	7,192754E+08	9,667887E+08	1,177408E+09	1,298475E+09	1,298478E+09	1,177419E+09	9,668047E+08
1635	7,192908E+08	5,012230E+08	3,748044E+08	3,748002E+08	5,012145E+08	7,192835E+08	9,668004E+08	1,177418E+09	1,298478E+09	1,298473E+09	1,177413E+09	9,668109E+08
1636	7,193122E+08	5,012447E+08	3,748240E+08	3,748269E+08	5,012466E+08	7,193047E+08	9,668016E+08	1,177407E+09	1,298463E+09	1,298453E+09	1,177380E+09	9,667678E+08
1637	7,192767E+08	5,012298E+08	3,748221E+08	3,748226E+08	5,012334E+08	7,192826E+08	9,667701E+08	1,177374E+09	1,298441E+09	1,298450E+09	1,177395E+09	9,667908E+08
1638	7,193042E+08	5,012648E+08	3,748593E+08	3,748576E+08	5,012686E+08	7,193215E+08	9,668033E+08	1,177386E+09	1,298428E+09	1,298427E+09	1,177382E+09	9,667948E+08
1639	7,193111E+08	5,012663E+08	3,748674E+08	3,748762E+08	5,012845E+08	7,193219E+08	9,667956E+08	1,177382E+09	1,298424E+09	1,298408E+09	1,177349E+09	9,667636E+08
1640	7,192956E+08	5,012654E+08	3,748702E+08	3,748726E+08	5,012724E+08	7,193060E+08	9,667803E+08	1,177366E+09	1,298409E+09	1,298408E+09	1,177366E+09	9,667926E+08
1641	7,193345E+08	5,013087E+08	3,749091E+08	3,749080E+08	5,013079E+08	7,193376E+08	9,667990E+08	1,177370E+09	1,298402E+09	1,298391E+09	1,177346E+09	9,667732E+08
1642	7,193158E+08	5,012967E+08	3,749079E+08	3,749084E+08	5,012949E+08	7,193082E+08	9,667645E+08	1,177344E+09	1,298390E+09	1,298392E+09	1,177351E+09	9,667742E+08
1643	7,193167E+08	5,013027E+08	3,749160E+08	3,749135E+08	5,012979E+08	7,193093E+08	9,667606E+08	1,177335E+09	1,298384E+09	1,298395E+09	1,177365E+09	9,667987E+08
1644	7,193459E+08	5,013233E+08	3,749277E+08	3,749303E+08	5,013292E+08	7,193468E+08	9,667850E+08	1,177336E+09	1,298367E+09	1,298369E+09	1,177333E+09	9,667626E+08

1 Longitude $\odot$	2	3	4	5	6	7	8	9	10	11	12	13
Years	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
1645	7,193087E+08	5,012929E+08	3,749046E+08	3,749035E+08	5,012937E+08	7,193127E+08	9,667647E+08	1,177331E+09	1,298370E+09	1,298377E+09	1,177348E+09	9,667815E+08
1646	7,193258E+08	5,013045E+08	3,749084E+08	3,749028E+08	5,012956E+08	7,193259E+08	9,667923E+08	1,177364E+09	1,298393E+09	1,298384E+09	1,177349E+09	9,667888E+08
1647	7,193310E+08	5,012963E+08	3,748960E+08	3,748991E+08	5,012991E+08	7,193249E+08	9,667912E+08	1,177380E+09	1,298423E+09	1,298401E+09	1,177335E+09	9,667484E+08
1648	7,192869E+08	5,012615E+08	3,748641E+08	3,748617E+08	5,012594E+08	7,192932E+08	9,667703E+08	1,177369E+09	1,298430E+09	1,298437E+09	1,177383E+09	9,667866E+08
1649	7,193084E+08	5,012736E+08	3,748713E+08	3,748695E+08	5,012765E+08	7,193222E+08	9,667983E+08	1,177383E+09	1,298431E+09	1,298433E+09	1,177384E+09	9,667878E+08
1650	7,192968E+08	5,012490E+08	3,748480E+08	3,748521E+08	5,012580E+08	7,193017E+08	9,667864E+08	1,177384E+09	1,298440E+09	1,298441E+09	1,177386E+09	9,667821E+08
1651	7,192874E+08	5,012364E+08	3,748304E+08	3,748311E+08	5,012386E+08	7,192870E+08	9,667789E+08	1,177384E+09	1,298445E+09	1,298452E+09	1,177404E+09	9,668123E+08
1652	7,193247E+08	5,012671E+08	3,748482E+08	3,748468E+08	5,012661E+08	7,193227E+08	9,668048E+08	1,177392E+09	1,298436E+09	1,298427E+09	1,177370E+09	9,667752E+08
1653	7,192916E+08	5,012459E+08	3,748390E+08	3,748354E+08	5,012389E+08	7,192873E+08	9,667773E+08	1,177379E+09	1,298435E+09	1,298432E+09	1,177376E+09	9,667811E+08
1654	7,193002E+08	5,012605E+08	3,748575E+08	3,748536E+08	5,012521E+08	7,192921E+08	9,667779E+08	1,177376E+09	1,298427E+09	1,298425E+09	1,177379E+09	9,667978E+08
1655	7,193243E+08	5,012813E+08	3,748772E+08	3,748828E+08	5,012910E+08	7,193219E+08	9,667852E+08	1,177372E+09	1,298420E+09	1,298406E+09	1,177344E+09	9,667522E+08
1656	7,192852E+08	5,012615E+08	3,748705E+08	3,748740E+08	5,012750E+08	7,193053E+08	9,667669E+08	1,177344E+09	1,298393E+09	1,298403E+09	1,177364E+09	9,667822E+08
1657	7,193175E+08	5,012966E+08	3,749062E+08	3,749066E+08	5,013046E+08	7,193356E+08	9,667923E+08	1,177351E+09	1,298373E+09	1,298368E+09	1,177340E+09	9,667821E+08
1658	7,193299E+08	5,013082E+08	3,749200E+08	3,749251E+08	5,013173E+08	7,193324E+08	9,667840E+08	1,177350E+09	1,298377E+09	1,298361E+09	1,177316E+09	9,667520E+08
1659	7,193116E+08	5,013072E+08	3,749255E+08	3,749248E+08	5,013050E+08	7,193077E+08	9,667533E+08	1,177326E+09	1,298368E+09	1,298371E+09	1,177339E+09	9,667842E+08
1660	7,193526E+08	5,013500E+08	3,749627E+08	3,749598E+08	5,013468E+08	7,193514E+08	9,667760E+08	1,177319E+09	1,298342E+09	1,298339E+09	1,177310E+09	9,667581E+08
1661	7,193279E+08	5,013342E+08	3,749609E+08	3,749626E+08	5,013378E+08	7,193290E+08	9,667538E+08	1,177302E+09	1,298333E+09	1,298337E+09	1,177312E+09	9,667598E+08
1662	7,193292E+08	5,013359E+08	3,749620E+08	3,749613E+08	5,013349E+08	7,193264E+08	9,667520E+08	1,177299E+09	1,298326E+09	1,298337E+09	1,177326E+09	9,667892E+08
1663	7,193617E+08	5,013570E+08	3,749719E+08	3,749749E+08	5,013636E+08	7,193625E+08	9,667823E+08	1,177323E+09	1,298338E+09	1,298323E+09	1,177290E+09	9,667413E+08
1664	7,193153E+08	5,013213E+08	3,749441E+08	3,749428E+08	5,013224E+08	7,193270E+08	9,667636E+08	1,177318E+09	1,298348E+09	1,298348E+09	1,177318E+09	9,667639E+08
1665	7,193289E+08	5,013277E+08	3,749458E+08	3,749417E+08	5,013212E+08	7,193314E+08	9,667784E+08	1,177336E+09	1,298360E+09	1,298353E+09	1,177323E+09	9,667741E+08
1666	7,193380E+08	5,013242E+08	3,749361E+08	3,749396E+08	5,013278E+08	7,193331E+08	9,667767E+08	1,177348E+09	1,298385E+09	1,298374E+09	1,177323E+09	9,667450E+08
1667	7,192961E+08	5,012873E+08	3,749022E+08	3,749015E+08	5,012881E+08	7,193001E+08	9,667497E+08	1,177330E+09	1,298390E+09	1,298406E+09	1,177370E+09	9,667908E+08
1668	7,193280E+08	5,013043E+08	3,749085E+08	3,749059E+08	5,013061E+08	7,193400E+08	9,667905E+08	1,177344E+09	1,298374E+09	1,298379E+09	1,177349E+09	9,667803E+08
1669	7,193156E+08	5,012854E+08	3,748922E+08	3,748937E+08	5,012873E+08	7,193146E+08	9,667813E+08	1,177358E+09	1,298394E+09	1,298386E+09	1,177341E+09	9,667654E+08
1670	7,193041E+08	5,012743E+08	3,748773E+08	3,748750E+08	5,012665E+08	7,192914E+08	9,667604E+08	1,177350E+09	1,298401E+09	1,298403E+09	1,177364E+09	9,667956E+08
1671	7,193397E+08	5,013075E+08	3,749015E+08	3,748988E+08	5,013010E+08	7,193295E+08	9,667858E+08	1,177364E+09	1,298403E+09	1,298386E+09	1,177330E+09	9,667500E+08
1672	7,192952E+08	5,012785E+08	3,748893E+08	3,748887E+08	5,012798E+08	7,193032E+08	9,667624E+08	1,177342E+09	1,298391E+09	1,298394E+09	1,177347E+09	9,667645E+08
1673	7,193034E+08	5,012872E+08	3,749040E+08	3,749058E+08	5,012940E+08	7,193120E+08	9,667655E+08	1,177332E+09	1,298368E+09	1,298371E+09	1,177343E+09	9,667857E+08
1674	7,193374E+08	5,013158E+08	3,749257E+08	3,749334E+08	5,013312E+08	7,193445E+08	9,667838E+08	1,177340E+09	1,298365E+09	1,298355E+09	1,177314E+09	9,667453E+08
1675	7,193014E+08	5,012976E+08	3,749187E+08	3,749222E+08	5,013084E+08	7,193157E+08	9,667552E+08	1,177317E+09	1,298355E+09	1,298361E+09	1,177333E+09	9,667769E+08
1676	7,193402E+08	5,013390E+08	3,749564E+08	3,749528E+08	5,013379E+08	7,193506E+08	9,667807E+08	1,177315E+09	1,298325E+09	1,298319E+09	1,177301E+09	9,667660E+08
1677	7,193465E+08	5,013523E+08	3,749771E+08	3,749791E+08	5,013528E+08	7,193416E+08	9,667675E+08	1,177314E+09	1,298332E+09	1,298317E+09	1,177280E+09	9,667355E+08
1678	7,193255E+08	5,013469E+08	3,749797E+08	3,749796E+08	5,013434E+08	7,193150E+08	9,667255E+08	1,177275E+09	1,298312E+09	1,298324E+09	1,177309E+09	9,667768E+08
1679	7,193689E+08	5,013884E+08	3,750150E+08	3,750141E+08	5,013888E+08	7,193673E+08	9,667599E+08	1,177280E+09	1,298291E+09	1,298287E+09	1,177272E+09	9,667431E+08
1680	7,193379E+08	5,013653E+08	3,750056E+08	3,750102E+08	5,013764E+08	7,193512E+08	9,667526E+08	1,177273E+09	1,298283E+09	1,298285E+09	1,177275E+09	9,667461E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1681	7,193388E+08	5,013642E+08	3,750029E+08	3,750037E+08	5,013659E+08	7,193398E+08	9,667465E+08	1,177272E+09	1,298279E+09	1,298280E+09	1,177280E+09	9,667700E+08
1682	7,193736E+08	5,013915E+08	3,750157E+08	3,750161E+08	5,013911E+08	7,193724E+08	9,667757E+08	1,177300E+09	1,298303E+09	1,298287E+09	1,177261E+09	9,667252E+08
1683	7,193225E+08	5,013518E+08	3,749872E+08	3,749849E+08	5,013485E+08	7,193286E+08	9,667445E+08	1,177291E+09	1,298322E+09	1,298327E+09	1,177301E+09	9,667557E+08
1684	7,193396E+08	5,013574E+08	3,749853E+08	3,749813E+08	5,013525E+08	7,193449E+08	9,667622E+08	1,177296E+09	1,298314E+09	1,298316E+09	1,177299E+09	9,667636E+08
1685	7,193465E+08	5,013535E+08	3,749775E+08	3,749820E+08	5,013605E+08	7,193488E+08	9,667695E+08	1,177316E+09	1,298341E+09	1,298334E+09	1,177295E+09	9,667379E+08
1686	7,193106E+08	5,013171E+08	3,749412E+08	3,749415E+08	5,013175E+08	7,193106E+08	9,667382E+08	1,177297E+09	1,298342E+09	1,298359E+09	1,177340E+09	9,667869E+08
1687	7,193479E+08	5,013399E+08	3,749512E+08	3,749473E+08	5,013342E+08	7,193468E+08	9,667799E+08	1,177325E+09	1,298342E+09	1,298334E+09	1,177310E+09	9,667625E+08
1688	7,193262E+08	5,013185E+08	3,749359E+08	3,749369E+08	5,013177E+08	7,193260E+08	9,667730E+08	1,177334E+09	1,298360E+09	1,298350E+09	1,177310E+09	9,667486E+08
1689	7,193100E+08	5,013042E+08	3,749231E+08	3,749225E+08	5,012984E+08	7,192981E+08	9,667411E+08	1,177310E+09	1,298350E+09	1,298356E+09	1,177328E+09	9,667774E+08
1690	7,193472E+08	5,013408E+08	3,749501E+08	3,749495E+08	5,013394E+08	7,193442E+08	9,667703E+08	1,177320E+09	1,298350E+09	1,298346E+09	1,177307E+09	9,667404E+08
1691	7,193044E+08	5,013099E+08	3,749360E+08	3,749391E+08	5,013195E+08	7,193207E+08	9,667497E+08	1,177301E+09	1,298340E+09	1,298351E+09	1,177321E+09	9,667611E+08
1692	7,193220E+08	5,013229E+08	3,749484E+08	3,749508E+08	5,013319E+08	7,193360E+08	9,667622E+08	1,177296E+09	1,298307E+09	1,298309E+09	1,177300E+09	9,667714E+08
1693	7,193545E+08	5,013571E+08	3,749777E+08	3,749833E+08	5,013664E+08	7,193598E+08	9,667803E+08	1,177316E+09	1,298321E+09	1,298299E+09	1,177266E+09	9,667277E+08
1694	7,193202E+08	5,013410E+08	3,749734E+08	3,749745E+08	5,013419E+08	7,193206E+08	9,667341E+08	1,177280E+09	1,298309E+09	1,298313E+09	1,177295E+09	9,667626E+08
1695	7,193583E+08	5,013842E+08	3,750150E+08	3,750100E+08	5,013751E+08	7,193550E+08	9,667582E+08	1,177281E+09	1,298285E+09	1,298276E+09	1,177264E+09	9,667455E+08
1696	7,193539E+08	5,013889E+08	3,750310E+08	3,750357E+08	5,013965E+08	7,193589E+08	9,667516E+08	1,177272E+09	1,298280E+09	1,298273E+09	1,177252E+09	9,667236E+08
1697	7,193326E+08	5,013776E+08	3,750282E+08	3,750318E+08	5,013841E+08	7,193340E+08	9,667135E+08	1,177229E+09	1,298247E+09	1,298264E+09	1,177271E+09	9,667651E+08
1698	7,193827E+08	5,014232E+08	3,750619E+08	3,750621E+08	5,014262E+08	7,193874E+08	9,667583E+08	1,177249E+09	1,298239E+09	1,298237E+09	1,177240E+09	9,667327E+08
1699	7,193519E+08	5,013992E+08	3,750493E+08	3,750536E+08	5,014073E+08	7,193621E+08	9,667449E+08	1,177252E+09	1,298252E+09	1,298248E+09	1,177244E+09	9,667356E+08
1700	7,193547E+08	5,013993E+08	3,750443E+08	3,750422E+08	5,013948E+08	7,193536E+08	9,667388E+08	1,177246E+09	1,298243E+09	1,298241E+09	1,177246E+09	9,667510E+08
1701	7,193813E+08	5,014255E+08	3,750622E+08	3,750610E+08	5,014207E+08	7,193794E+08	9,667641E+08	1,177275E+09	1,298271E+09	1,298255E+09	1,177233E+09	9,667132E+08
1702	7,193321E+08	5,013812E+08	3,750290E+08	3,750283E+08	5,013794E+08	7,193333E+08	9,667210E+08	1,177250E+09	1,298280E+09	1,298294E+09	1,177284E+09	9,667548E+08
1703	7,193543E+08	5,013880E+08	3,750264E+08	3,750235E+08	5,013839E+08	7,193554E+08	9,667508E+08	1,177266E+09	1,298272E+09	1,298275E+09	1,177273E+09	9,667558E+08
1704	7,193573E+08	5,013811E+08	3,750149E+08	3,750206E+08	5,013901E+08	7,193633E+08	9,667650E+08	1,177289E+09	1,298295E+09	1,298287E+09	1,177265E+09	9,667286E+08
1705	7,193209E+08	5,013456E+08	3,749799E+08	3,749795E+08	5,013434E+08	7,193178E+08	9,667258E+08	1,177265E+09	1,298293E+09	1,298304E+09	1,177296E+09	9,667698E+08
1706	7,193611E+08	5,013760E+08	3,749969E+08	3,749908E+08	5,013635E+08	7,193540E+08	9,667650E+08	1,177290E+09	1,298299E+09	1,298295E+09	1,177279E+09	9,667452E+08
1707	7,193341E+08	5,013512E+08	3,749821E+08	3,749841E+08	5,013504E+08	7,193316E+08	9,667524E+08	1,177297E+09	1,298320E+09	1,298315E+09	1,177284E+09	9,667370E+08
1708	7,193202E+08	5,013367E+08	3,749672E+08	3,749688E+08	5,013384E+08	7,193192E+08	9,667301E+08	1,177268E+09	1,298294E+09	1,298305E+09	1,177293E+09	9,667615E+08
1709	7,193546E+08	5,013738E+08	3,749984E+08	3,749996E+08	5,013792E+08	7,193664E+08	9,667703E+08	1,177291E+09	1,298298E+09	1,298291E+09	1,177267E+09	9,667289E+08
1710	7,193196E+08	5,013441E+08	3,749821E+08	3,749868E+08	5,013555E+08	7,193352E+08	9,667426E+08	1,177273E+09	1,298295E+09	1,298300E+09	1,177286E+09	9,667525E+08
1711	7,193417E+08	5,013641E+08	3,749988E+08	3,749991E+08	5,013649E+08	7,193454E+08	9,667548E+08	1,177278E+09	1,298275E+09	1,298266E+09	1,177260E+09	9,667522E+08
1712	7,193657E+08	5,013956E+08	3,750292E+08	3,750333E+08	5,014008E+08	7,193705E+08	9,667684E+08	1,177288E+09	1,298285E+09	1,298263E+09	1,177237E+09	9,667126E+08
1713	7,193286E+08	5,013775E+08	3,750271E+08	3,750285E+08	5,013780E+08	7,193262E+08	9,667094E+08	1,177233E+09	1,298254E+09	1,298264E+09	1,177262E+09	9,667507E+08
1714	7,193723E+08	5,014239E+08	3,750699E+08	3,750663E+08	5,014174E+08	7,193677E+08	9,667352E+08	1,177227E+09	1,298225E+09	1,298233E+09	1,177241E+09	9,667399E+08
1715	7,193684E+08	5,014249E+08	3,750812E+08	3,750884E+08	5,014376E+08	7,193759E+08	9,667375E+08	1,177228E+09	1,298221E+09	1,298222E+09	1,177223E+09	9,667208E+08
1716	7,193536E+08	5,014163E+08	3,750746E+08	3,750775E+08	5,014224E+08	7,193567E+08	9,667100E+08	1,177194E+09	1,298185E+09	1,298197E+09	1,177224E+09	9,667470E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ⊙	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1717	7,193967E+08	5,014630E+08	3,751125E+08	3,751097E+08	5,014593E+08	7,194012E+08	9,667558E+08	1,177229E+09	1,298199E+09	1,298183E+09	1,177191E+09	9,667128E+08
1718	7,193657E+08	5,014368E+08	3,750984E+08	3,751009E+08	5,014390E+08	7,193677E+08	9,667280E+08	1,177223E+09	1,298217E+09	1,298211E+09	1,177211E+09	9,667200E+08
1719	7,193657E+08	5,014352E+08	3,750928E+08	3,750899E+08	5,014269E+08	7,193582E+08	9,667224E+08	1,177221E+09	1,298211E+09	1,298209E+09	1,177218E+09	9,667329E+08
1720	7,193827E+08	5,014513E+08	3,751038E+08	3,751061E+08	5,014574E+08	7,193956E+08	9,667536E+08	1,177242E+09	1,298231E+09	1,298223E+09	1,177216E+09	9,667070E+08
1721	7,193368E+08	5,014044E+08	3,750669E+08	3,750689E+08	5,014108E+08	7,193467E+08	9,667107E+08	1,177212E+09	1,298224E+09	1,298243E+09	1,177254E+09	9,667494E+08
1722	7,193681E+08	5,014170E+08	3,750644E+08	3,750616E+08	5,014120E+08	7,193658E+08	9,667425E+08	1,177235E+09	1,298227E+09	1,298235E+09	1,177248E+09	9,667495E+08
1723	7,193716E+08	5,014119E+08	3,750531E+08	3,750570E+08	5,014151E+08	7,193697E+08	9,667539E+08	1,177264E+09	1,298262E+09	1,298252E+09	1,177237E+09	9,667208E+08
1724	7,193370E+08	5,013801E+08	3,750201E+08	3,750167E+08	5,013714E+08	7,193287E+08	9,667139E+08	1,177232E+09	1,298248E+09	1,298258E+09	1,177259E+09	9,667496E+08
1725	7,193679E+08	5,014099E+08	3,750446E+08	3,750377E+08	5,013965E+08	7,193630E+08	9,667526E+08	1,177261E+09	1,298258E+09	1,298251E+09	1,177243E+09	9,667308E+08
1726	7,193441E+08	5,013824E+08	3,750275E+08	3,750326E+08	5,013891E+08	7,193442E+08	9,667341E+08	1,177256E+09	1,298271E+09	1,298271E+09	1,177255E+09	9,667295E+08
1727	7,193339E+08	5,013704E+08	3,750131E+08	3,750161E+08	5,013752E+08	7,193359E+08	9,667271E+08	1,177244E+09	1,298248E+09	1,298254E+09	1,177256E+09	9,667464E+08
1728	7,193629E+08	5,014045E+08	3,750425E+08	3,750452E+08	5,014150E+08	7,193850E+08	9,667707E+08	1,177270E+09	1,298256E+09	1,298242E+09	1,177232E+09	9,667159E+08
1729	7,193300E+08	5,013788E+08	3,750302E+08	3,750329E+08	5,013862E+08	7,193422E+08	9,667281E+08	1,177241E+09	1,298248E+09	1,298248E+09	1,177245E+09	9,667364E+08
1730	7,193568E+08	5,014062E+08	3,750539E+08	3,750513E+08	5,013990E+08	7,193499E+08	9,667320E+08	1,177236E+09	1,298232E+09	1,298232E+09	1,177235E+09	9,667398E+08
1731	7,193786E+08	5,014354E+08	3,750841E+08	3,750880E+08	5,014391E+08	7,193770E+08	9,667419E+08	1,177241E+09	1,298236E+09	1,298225E+09	1,177214E+09	9,667076E+08
1732	7,193458E+08	5,014174E+08	3,750792E+08	3,750819E+08	5,014235E+08	7,193481E+08	9,666931E+08	1,177181E+09	1,298185E+09	1,298203E+09	1,177224E+09	9,667388E+08
1733	7,193869E+08	5,014636E+08	3,751245E+08	3,751220E+08	5,014613E+08	7,193898E+08	9,667315E+08	1,177193E+09	1,298165E+09	1,298166E+09	1,177195E+09	9,667299E+08
1734	7,193880E+08	5,014634E+08	3,751311E+08	3,751391E+08	5,014768E+08	7,193915E+08	9,667291E+08	1,177198E+09	1,298172E+09	1,298166E+09	1,177181E+09	9,667086E+08
1735	7,193719E+08	5,014575E+08	3,751256E+08	3,751256E+08	5,014560E+08	7,193693E+08	9,667079E+08	1,177180E+09	1,298153E+09	1,298153E+09	1,177181E+09	9,667231E+08
1736	7,194011E+08	5,014953E+08	3,751601E+08	3,751567E+08	5,014924E+08	7,194131E+08	9,667482E+08	1,177207E+09	1,298168E+09	1,298152E+09	1,177164E+09	9,666952E+08
1737	7,193671E+08	5,014647E+08	3,751433E+08	3,751461E+08	5,014702E+08	7,193730E+08	9,667074E+08	1,177186E+09	1,298174E+09	1,298174E+09	1,177187E+09	9,667104E+08
1738	7,193746E+08	5,014644E+08	3,751353E+08	3,751340E+08	5,014614E+08	7,193696E+08	9,667032E+08	1,177176E+09	1,298166E+09	1,298180E+09	1,177204E+09	9,667318E+08
1739	7,193953E+08	5,014778E+08	3,751404E+08	3,751434E+08	5,014862E+08	7,194065E+08	9,667412E+08	1,177207E+09	1,298184E+09	1,298182E+09	1,177195E+09	9,667096E+08
1740	7,193576E+08	5,014361E+08	3,751025E+08	3,751027E+08	5,014383E+08	7,193602E+08	9,667038E+08	1,177182E+09	1,298171E+09	1,298183E+09	1,177212E+09	9,667361E+08
1741	7,193833E+08	5,014531E+08	3,751088E+08	3,751018E+08	5,014379E+08	7,193713E+08	9,667318E+08	1,177212E+09	1,298187E+09	1,298181E+09	1,177202E+09	9,667332E+08
1742	7,193856E+08	5,014465E+08	3,750987E+08	3,751007E+08	5,014444E+08	7,193724E+08	9,667325E+08	1,177230E+09	1,298223E+09	1,298212E+09	1,177204E+09	9,667043E+08
1743	7,193469E+08	5,014147E+08	3,750681E+08	3,750642E+08	5,014056E+08	7,193384E+08	9,667023E+08	1,177206E+09	1,298210E+09	1,298218E+09	1,177225E+09	9,667273E+08
1744	7,193661E+08	5,014345E+08	3,750875E+08	3,750848E+08	5,014366E+08	7,193848E+08	9,667484E+08	1,177232E+09	1,298216E+09	1,298211E+09	1,177216E+09	9,667174E+08
1745	7,193467E+08	5,014077E+08	3,750692E+08	3,750764E+08	5,014244E+08	7,193619E+08	9,667293E+08	1,177227E+09	1,298222E+09	1,298220E+09	1,177221E+09	9,667196E+08
1746	7,193476E+08	5,014032E+08	3,750573E+08	3,750602E+08	5,014085E+08	7,193489E+08	9,667181E+08	1,177216E+09	1,298212E+09	1,298219E+09	1,177230E+09	9,667387E+08
1747	7,193786E+08	5,014395E+08	3,750879E+08	3,750882E+08	5,014446E+08	7,193921E+08	9,667564E+08	1,177243E+09	1,298223E+09	1,298209E+09	1,177208E+09	9,667120E+08
1748	7,193504E+08	5,014197E+08	3,750802E+08	3,750804E+08	5,014207E+08	7,193516E+08	9,667087E+08	1,177200E+09	1,298195E+09	1,298199E+09	1,177211E+09	9,667234E+08
1749	7,193714E+08	5,014485E+08	3,751120E+08	3,751083E+08	5,014389E+08	7,193586E+08	9,667092E+08	1,177192E+09	1,298177E+09	1,298178E+09	1,177200E+09	9,667336E+08
1750	7,193976E+08	5,014757E+08	3,751397E+08	3,751454E+08	5,014845E+08	7,193930E+08	9,667198E+08	1,177188E+09	1,298171E+09	1,298169E+09	1,177180E+09	9,667022E+08
1751	7,193669E+08	5,014602E+08	3,751346E+08	3,751366E+08	5,014653E+08	7,193687E+08	9,666907E+08	1,177150E+09	1,298124E+09	1,298136E+09	1,177174E+09	9,667181E+08
1752	7,193968E+08	5,014993E+08	3,751749E+08	3,751732E+08	5,015018E+08	7,194115E+08	9,667326E+08	1,177172E+09	1,298119E+09	1,298108E+09	1,177147E+09	9,667074E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1753	7,193959E+08	5,014995E+08	3,751818E+08	3,751876E+08	5,015108E+08	7,194023E+08	9,667175E+08	1,177170E+09	1,298129E+09	1,298113E+09	1,177134E+09	9,666855E+08
1754	7,193808E+08	5,014939E+08	3,751767E+08	3,751752E+08	5,014897E+08	7,193761E+08	9,666883E+08	1,177145E+09	1,298120E+09	1,298128E+09	1,177158E+09	9,667080E+08
1755	7,194068E+08	5,015245E+08	3,752050E+08	3,752025E+08	5,015260E+08	7,194218E+08	9,667295E+08	1,177172E+09	1,298131E+09	1,298124E+09	1,177150E+09	9,666941E+08
1756	7,193808E+08	5,014947E+08	3,751835E+08	3,751876E+08	5,015053E+08	7,193896E+08	9,666939E+08	1,177144E+09	1,298119E+09	1,298126E+09	1,177159E+09	9,667047E+08
1757	7,193883E+08	5,014959E+08	3,751779E+08	3,751761E+08	5,014922E+08	7,193820E+08	9,666958E+08	1,177149E+09	1,298119E+09	1,298127E+09	1,177170E+09	9,667291E+08
1758	7,194158E+08	5,015105E+08	3,751805E+08	3,751820E+08	5,015138E+08	7,194135E+08	9,667267E+08	1,177178E+09	1,298144E+09	1,298137E+09	1,177161E+09	9,667010E+08
1759	7,193764E+08	5,014731E+08	3,751466E+08	3,751421E+08	5,014634E+08	7,193674E+08	9,666978E+08	1,177164E+09	1,298138E+09	1,298140E+09	1,177171E+09	9,667121E+08
1760	7,193863E+08	5,014815E+08	3,751517E+08	3,751451E+08	5,014692E+08	7,193821E+08	9,667225E+08	1,177189E+09	1,298155E+09	1,298147E+09	1,177172E+09	9,667138E+08
1761	7,193858E+08	5,014723E+08	3,751413E+08	3,751448E+08	5,014776E+08	7,193818E+08	9,667138E+08	1,177193E+09	1,298178E+09	1,298170E+09	1,177175E+09	9,666920E+08
1762	7,193535E+08	5,014416E+08	3,751102E+08	3,751092E+08	5,014427E+08	7,193556E+08	9,666887E+08	1,177166E+09	1,298167E+09	1,298188E+09	1,177206E+09	9,667217E+08
1763	7,193758E+08	5,014594E+08	3,751250E+08	3,751240E+08	5,014681E+08	7,194011E+08	9,667437E+08	1,177205E+09	1,298174E+09	1,298171E+09	1,177192E+09	9,667167E+08
1764	7,193662E+08	5,014410E+08	3,751088E+08	3,751146E+08	5,014546E+08	7,193759E+08	9,667218E+08	1,177199E+09	1,298175E+09	1,298165E+09	1,177180E+09	9,667065E+08
1765	7,193649E+08	5,014438E+08	3,751089E+08	3,751076E+08	5,014388E+08	7,193544E+08	9,667020E+08	1,177187E+09	1,298171E+09	1,298168E+09	1,177189E+09	9,667281E+08
1766	7,193988E+08	5,014812E+08	3,751421E+08	3,751403E+08	5,014786E+08	7,193942E+08	9,667274E+08	1,177197E+09	1,298174E+09	1,298166E+09	1,177177E+09	9,667018E+08
1767	7,193688E+08	5,014636E+08	3,751388E+08	3,751380E+08	5,014620E+08	7,193651E+08	9,666934E+08	1,177160E+09	1,298139E+09	1,298145E+09	1,177171E+09	9,667050E+08
1768	7,193791E+08	5,014839E+08	3,751665E+08	3,751663E+08	5,014867E+08	7,193837E+08	9,667014E+08	1,177151E+09	1,298116E+09	1,298119E+09	1,177160E+09	9,667175E+08
1769	7,194062E+08	5,015100E+08	3,751908E+08	3,751975E+08	5,015254E+08	7,194132E+08	9,667130E+08	1,177153E+09	1,298111E+09	1,298103E+09	1,177132E+09	9,666854E+08
1770	7,193815E+08	5,014985E+08	3,751861E+08	3,751877E+08	5,015042E+08	7,193865E+08	9,666830E+08	1,177122E+09	1,298088E+09	1,298097E+09	1,177137E+09	9,667004E+08
1771	7,194074E+08	5,015334E+08	3,752218E+08	3,752184E+08	5,015334E+08	7,194221E+08	9,667224E+08	1,177149E+09	1,298090E+09	1,298076E+09	1,177119E+09	9,666953E+08
1772	7,194096E+08	5,015355E+08	3,752288E+08	3,752336E+08	5,015439E+08	7,194114E+08	9,667005E+08	1,177136E+09	1,298088E+09	1,298073E+09	1,177104E+09	9,666720E+08
1773	7,193915E+08	5,015295E+08	3,752275E+08	3,752260E+08	5,015252E+08	7,193838E+08	9,666671E+08	1,177106E+09	1,298076E+09	1,298085E+09	1,177133E+09	9,667075E+08
1774	7,194245E+08	5,015571E+08	3,752498E+08	3,752486E+08	5,015608E+08	7,194327E+08	9,667085E+08	1,177125E+09	1,298077E+09	1,298081E+09	1,177127E+09	9,666954E+08
1775	7,194030E+08	5,015315E+08	3,752287E+08	3,752307E+08	5,015354E+08	7,194037E+08	9,666914E+08	1,177116E+09	1,298066E+09	1,298069E+09	1,177119E+09	9,666901E+08
1776	7,193999E+08	5,015274E+08	3,752202E+08	3,752179E+08	5,015229E+08	7,193953E+08	9,666898E+08	1,177125E+09	1,298078E+09	1,298077E+09	1,177128E+09	9,667087E+08
1777	7,194230E+08	5,015425E+08	3,752242E+08	3,752226E+08	5,015404E+08	7,194189E+08	9,667097E+08	1,177146E+09	1,298103E+09	1,298091E+09	1,177119E+09	9,666791E+08
1778	7,193834E+08	5,015050E+08	3,751923E+08	3,751879E+08	5,014961E+08	7,193760E+08	9,666777E+08	1,177128E+09	1,298106E+09	1,298116E+09	1,177146E+09	9,666944E+08
1779	7,193881E+08	5,015046E+08	3,751903E+08	3,751872E+08	5,015034E+08	7,193970E+08	9,667108E+08	1,177158E+09	1,298119E+09	1,298117E+09	1,177153E+09	9,667081E+08
1780	7,193954E+08	5,014976E+08	3,751777E+08	3,751848E+08	5,015133E+08	7,194032E+08	9,667095E+08	1,177161E+09	1,298128E+09	1,298122E+09	1,177144E+09	9,666838E+08
1781	7,193658E+08	5,014711E+08	3,751513E+08	3,751511E+08	5,014736E+08	7,193705E+08	9,666866E+08	1,177146E+09	1,298126E+09	1,298137E+09	1,177174E+09	9,667196E+08
1782	7,193964E+08	5,014930E+08	3,751666E+08	3,751644E+08	5,014959E+08	7,194092E+08	9,667311E+08	1,177178E+09	1,298138E+09	1,298132E+09	1,177163E+09	9,667106E+08
1783	7,193884E+08	5,014831E+08	3,751588E+08	3,751591E+08	5,014811E+08	7,193825E+08	9,667122E+08	1,177173E+09	1,298135E+09	1,298122E+09	1,177141E+09	9,666859E+08
1784	7,193734E+08	5,014799E+08	3,751611E+08	3,751600E+08	5,014754E+08	7,193639E+08	9,666833E+08	1,177150E+09	1,298127E+09	1,298127E+09	1,177157E+09	9,667108E+08
1785	7,194068E+08	5,015176E+08	3,751955E+08	3,751945E+08	5,015188E+08	7,194053E+08	9,667014E+08	1,177146E+09	1,298114E+09	1,298111E+09	1,177140E+09	9,666893E+08
1786	7,193826E+08	5,015009E+08	3,751920E+08	3,751941E+08	5,015068E+08	7,193854E+08	9,666764E+08	1,177111E+09	1,298082E+09	1,298097E+09	1,177136E+09	9,666930E+08
1787	7,193923E+08	5,015176E+08	3,752138E+08	3,752151E+08	5,015253E+08	7,194047E+08	9,666989E+08	1,177121E+09	1,298064E+09	1,298063E+09	1,177121E+09	9,667070E+08
1788	7,194247E+08	5,015490E+08	3,752391E+08	3,752448E+08	5,015614E+08	7,194294E+08	9,667055E+08	1,177123E+09	1,298060E+09	1,298042E+09	1,177082E+09	9,666641E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1789	7,193951E+08	5,015402E+08	3,752417E+08	3,752405E+08	5,015383E+08	7,193948E+08	9,666690E+08	1,177094E+09	1,298049E+09	1,298049E+09	1,177098E+09	9,666865E+08
1790	7,194220E+08	5,015716E+08	3,752745E+08	3,752709E+08	5,015691E+08	7,194281E+08	9,666976E+08	1,177107E+09	1,298048E+09	1,298042E+09	1,177095E+09	9,666863E+08
1791	7,194248E+08	5,015747E+08	3,752817E+08	3,752857E+08	5,015810E+08	7,194257E+08	9,666891E+08	1,177099E+09	1,298038E+09	1,298029E+09	1,177074E+09	9,666587E+08
1792	7,193994E+08	5,015602E+08	3,752743E+08	3,752761E+08	5,015656E+08	7,194046E+08	9,666603E+08	1,177072E+09	1,298026E+09	1,298037E+09	1,177103E+09	9,666976E+08
1793	7,194361E+08	5,015887E+08	3,752926E+08	3,752912E+08	5,015918E+08	7,194445E+08	9,666977E+08	1,177092E+09	1,298026E+09	1,298026E+09	1,177089E+09	9,666849E+08
1794	7,194191E+08	5,015658E+08	3,752719E+08	3,752732E+08	5,015661E+08	7,194147E+08	9,666784E+08	1,177087E+09	1,298034E+09	1,298037E+09	1,177088E+09	9,666748E+08
1795	7,194092E+08	5,015564E+08	3,752592E+08	3,752555E+08	5,015488E+08	7,194043E+08	9,666806E+08	1,177100E+09	1,298047E+09	1,298047E+09	1,177103E+09	9,666966E+08
1796	7,194325E+08	5,015712E+08	3,752628E+08	3,752621E+08	5,015697E+08	7,194278E+08	9,666949E+08	1,177113E+09	1,298061E+09	1,298052E+09	1,177090E+09	9,666648E+08
1797	7,193902E+08	5,015339E+08	3,752349E+08	3,752328E+08	5,015299E+08	7,193888E+08	9,666647E+08	1,177096E+09	1,298065E+09	1,298075E+09	1,177122E+09	9,666921E+08
1798	7,194016E+08	5,015311E+08	3,752274E+08	3,752270E+08	5,015348E+08	7,194110E+08	9,666991E+08	1,177121E+09	1,298073E+09	1,298077E+09	1,177129E+09	9,667051E+08
1799	7,194140E+08	5,015313E+08	3,752188E+08	3,752239E+08	5,015397E+08	7,194177E+08	9,667131E+08	1,177142E+09	1,298084E+09	1,298069E+09	1,177103E+09	9,666677E+08
1800	7,193771E+08	5,015036E+08	3,751949E+08	3,751942E+08	5,015035E+08	7,193809E+08	9,666786E+08	1,177123E+09	1,298090E+09	1,298091E+09	1,177133E+09	9,666990E+08
1801	7,194060E+08	5,015293E+08	3,752145E+08	3,752086E+08	5,015220E+08	7,194094E+08	9,667067E+08	1,177139E+09	1,298093E+09	1,298087E+09	1,177125E+09	9,666922E+08
1802	7,194002E+08	5,015216E+08	3,752119E+08	3,752126E+08	5,015186E+08	7,193904E+08	9,666848E+08	1,177126E+09	1,298093E+09	1,298091E+09	1,177115E+09	9,666710E+08
1803	7,193812E+08	5,015124E+08	3,752096E+08	3,752116E+08	5,015163E+08	7,193814E+08	9,666673E+08	1,177105E+09	1,298073E+09	1,298082E+09	1,177130E+09	9,667039E+08
1804	7,194213E+08	5,015520E+08	3,752428E+08	3,752453E+08	5,015609E+08	7,194276E+08	9,666932E+08	1,177104E+09	1,298050E+09	1,298047E+09	1,177097E+09	9,666761E+08
1805	7,193984E+08	5,015397E+08	3,752443E+08	3,752479E+08	5,015474E+08	7,194048E+08	9,666726E+08	1,177084E+09	1,298031E+09	1,298034E+09	1,177092E+09	9,666828E+08
1806	7,194114E+08	5,015569E+08	3,752639E+08	3,752648E+08	5,015611E+08	7,194179E+08	9,666879E+08	1,177092E+09	1,298024E+09	1,298019E+09	1,177084E+09	9,666921E+08
1807	7,194422E+08	5,015929E+08	3,752947E+08	3,752964E+08	5,015940E+08	7,194417E+08	9,667013E+08	1,177098E+09	1,298020E+09	1,297998E+09	1,177044E+09	9,666422E+08
1808	7,194017E+08	5,015764E+08	3,752960E+08	3,752968E+08	5,015785E+08	7,194071E+08	9,666535E+08	1,177060E+09	1,298008E+09	1,298012E+09	1,177071E+09	9,666716E+08
1809	7,194299E+08	5,016062E+08	3,753247E+08	3,753224E+08	5,016071E+08	7,194394E+08	9,666749E+08	1,177059E+09	1,297993E+09	1,297997E+09	1,177068E+09	9,666805E+08
1810	7,194408E+08	5,016105E+08	3,753299E+08	3,753359E+08	5,016206E+08	7,194430E+08	9,666729E+08	1,177055E+09	1,297988E+09	1,297989E+09	1,177048E+09	9,666526E+08
1811	7,194145E+08	5,015917E+08	3,753149E+08	3,753170E+08	5,015971E+08	7,194203E+08	9,666557E+08	1,177044E+09	1,297979E+09	1,297988E+09	1,177070E+09	9,666905E+08
1812	7,194544E+08	5,016234E+08	3,753337E+08	3,753310E+08	5,016198E+08	7,194528E+08	9,666859E+08	1,177062E+09	1,297980E+09	1,297971E+09	1,177044E+09	9,666657E+08
1813	7,194309E+08	5,016018E+08	3,753189E+08	3,753184E+08	5,015951E+08	7,194200E+08	9,666634E+08	1,177059E+09	1,297994E+09	1,297991E+09	1,177053E+09	9,666615E+08
1814	7,194192E+08	5,015874E+08	3,753025E+08	3,752999E+08	5,015806E+08	7,194122E+08	9,666624E+08	1,177065E+09	1,298009E+09	1,298014E+09	1,177080E+09	9,666852E+08
1815	7,194418E+08	5,016027E+08	3,753064E+08	3,753056E+08	5,016017E+08	7,194452E+08	9,666930E+08	1,177083E+09	1,298015E+09	1,298008E+09	1,177059E+09	9,666486E+08
1816	7,193934E+08	5,015582E+08	3,752737E+08	3,752755E+08	5,015648E+08	7,194086E+08	9,666654E+08	1,177073E+09	1,298025E+09	1,298033E+09	1,177092E+09	9,666784E+08
1817	7,194098E+08	5,015589E+08	3,752643E+08	3,752637E+08	5,015612E+08	7,194205E+08	9,666907E+08	1,177097E+09	1,298034E+09	1,298034E+09	1,177096E+09	9,666940E+08
1818	7,194282E+08	5,015646E+08	3,752603E+08	3,752639E+08	5,015669E+08	7,194236E+08	9,666959E+08	1,177114E+09	1,298059E+09	1,298045E+09	1,177077E+09	9,666540E+08
1819	7,193868E+08	5,015347E+08	3,752364E+08	3,752346E+08	5,015303E+08	7,193866E+08	9,666639E+08	1,177093E+09	1,298055E+09	1,298061E+09	1,177111E+09	9,666912E+08
1820	7,194193E+08	5,015634E+08	3,752603E+08	3,752560E+08	5,015553E+08	7,194140E+08	9,666816E+08	1,177093E+09	1,298039E+09	1,298040E+09	1,177094E+09	9,666818E+08
1821	7,194129E+08	5,015582E+08	3,752634E+08	3,752669E+08	5,015603E+08	7,194059E+08	9,666666E+08	1,177078E+09	1,298030E+09	1,298034E+09	1,177085E+09	9,666688E+08
1822	7,193994E+08	5,015489E+08	3,752584E+08	3,752626E+08	5,015569E+08	7,194016E+08	9,666581E+08	1,177062E+09	1,298011E+09	1,298025E+09	1,177094E+09	9,666951E+08
1823	7,194415E+08	5,015945E+08	3,752952E+08	3,752951E+08	5,015963E+08	7,194483E+08	9,666987E+08	1,177079E+09	1,297994E+09	1,297981E+09	1,177044E+09	9,666521E+08
1824	7,194091E+08	5,015791E+08	3,752982E+08	3,753019E+08	5,015870E+08	7,194212E+08	9,666678E+08	1,177062E+09	1,297992E+09	1,297984E+09	1,177044E+09	9,666554E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
1825	7,194199E+08	5,015969E+08	3,753178E+08	3,753169E+08	5,015958E+08	7,194244E+08	9,666676E+08	1,177056E+09	1,297982E+09	1,297977E+09	1,177048E+09	9,666730E+08
1826	7,194516E+08	5,016314E+08	3,753498E+08	3,753535E+08	5,016361E+08	7,194528E+08	9,666770E+08	1,177056E+09	1,297982E+09	1,297970E+09	1,177022E+09	9,666313E+08
1827	7,194102E+08	5,016085E+08	3,753437E+08	3,753474E+08	5,016190E+08	7,194258E+08	9,666424E+08	1,177021E+09	1,297958E+09	1,297971E+09	1,177051E+09	9,666710E+08
1828	7,194469E+08	5,016393E+08	3,753688E+08	3,753687E+08	5,016424E+08	7,194536E+08	9,666644E+08	1,177021E+09	1,297934E+09	1,297940E+09	1,177033E+09	9,666740E+08
1829	7,194600E+08	5,016487E+08	3,753773E+08	3,753825E+08	5,016544E+08	7,194559E+08	9,666646E+08	1,177026E+09	1,297939E+09	1,297933E+09	1,177012E+09	9,666479E+08
1830	7,194346E+08	5,016296E+08	3,753598E+08	3,753588E+08	5,016254E+08	7,194275E+08	9,666409E+08	1,177013E+09	1,297939E+09	1,297947E+09	1,177036E+09	9,666762E+08
1831	7,194690E+08	5,016620E+08	3,753816E+08	3,753741E+08	5,016460E+08	7,194613E+08	9,666800E+08	1,177036E+09	1,297939E+09	1,297927E+09	1,177006E+09	9,666430E+08
1832	7,194336E+08	5,016312E+08	3,753645E+08	3,753671E+08	5,016323E+08	7,194321E+08	9,666507E+08	1,177030E+09	1,297957E+09	1,297954E+09	1,177022E+09	9,666424E+08
1833	7,194216E+08	5,016136E+08	3,753415E+08	3,753413E+08	5,016133E+08	7,194240E+08	9,666469E+08	1,177027E+09	1,297961E+09	1,297973E+09	1,177053E+09	9,666759E+08
1834	7,194501E+08	5,016294E+08	3,753449E+08	3,753465E+08	5,016348E+08	7,194608E+08	9,666846E+08	1,177055E+09	1,297978E+09	1,297974E+09	1,177035E+09	9,666408E+08
1835	7,194035E+08	5,015841E+08	3,753080E+08	3,753095E+08	5,015904E+08	7,194202E+08	9,666628E+08	1,177054E+09	1,297990E+09	1,297994E+09	1,177065E+09	9,666716E+08
1836	7,194244E+08	5,015900E+08	3,753028E+08	3,753005E+08	5,015843E+08	7,194211E+08	9,666730E+08	1,177066E+09	1,297994E+09	1,297990E+09	1,177060E+09	9,666793E+08
1837	7,194409E+08	5,016014E+08	3,753083E+08	3,753099E+08	5,015968E+08	7,194266E+08	9,666739E+08	1,177076E+09	1,298012E+09	1,298001E+09	1,177050E+09	9,666472E+08
1838	7,194005E+08	5,015701E+08	3,752845E+08	3,752837E+08	5,015669E+08	7,193962E+08	9,666411E+08	1,177047E+09	1,298002E+09	1,298018E+09	1,177085E+09	9,666832E+08
1839	7,194340E+08	5,016014E+08	3,753115E+08	3,753070E+08	5,015946E+08	7,194357E+08	9,666789E+08	1,177054E+09	1,297976E+09	1,297978E+09	1,177054E+09	9,666664E+08
1840	7,194225E+08	5,015918E+08	3,753132E+08	3,753209E+08	5,016052E+08	7,194307E+08	9,666685E+08	1,177052E+09	1,297978E+09	1,297974E+09	1,177039E+09	9,666488E+08
1841	7,194107E+08	5,015857E+08	3,753064E+08	3,753105E+08	5,015931E+08	7,194173E+08	9,666526E+08	1,177037E+09	1,297966E+09	1,297971E+09	1,177050E+09	9,666757E+08
1842	7,194534E+08	5,016337E+08	3,753473E+08	3,753460E+08	5,016330E+08	7,194607E+08	9,666862E+08	1,177054E+09	1,297967E+09	1,297950E+09	1,177010E+09	9,666327E+08
1843	7,194169E+08	5,016140E+08	3,753472E+08	3,753505E+08	5,016215E+08	7,194317E+08	9,666565E+08	1,177035E+09	1,297960E+09	1,297954E+09	1,177022E+09	9,666464E+08
1844	7,194321E+08	5,016322E+08	3,753677E+08	3,753689E+08	5,016330E+08	7,194306E+08	9,666427E+08	1,177011E+09	1,297931E+09	1,297934E+09	1,177022E+09	9,666670E+08
1845	7,194672E+08	5,016695E+08	3,754021E+08	3,754072E+08	5,016769E+08	7,194668E+08	9,666576E+08	1,177008E+09	1,297919E+09	1,297916E+09	1,176999E+09	9,666361E+08
1846	7,194330E+08	5,016475E+08	3,753927E+08	3,753961E+08	5,016558E+08	7,194410E+08	9,666304E+08	1,176979E+09	1,297896E+09	1,297914E+09	1,177018E+09	9,666681E+08
1847	7,194715E+08	5,016835E+08	3,754206E+08	3,754151E+08	5,016730E+08	7,194664E+08	9,666605E+08	1,176990E+09	1,297877E+09	1,297873E+09	1,176981E+09	9,666525E+08
1848	7,194716E+08	5,016869E+08	3,754285E+08	3,754323E+08	5,016893E+08	7,194663E+08	9,666531E+08	1,176998E+09	1,297897E+09	1,297883E+09	1,176964E+09	9,666192E+08
1849	7,194406E+08	5,016655E+08	3,754081E+08	3,754055E+08	5,016576E+08	7,194339E+08	9,666215E+08	1,176976E+09	1,297896E+09	1,297906E+09	1,177000E+09	9,666545E+08
1850	7,194716E+08	5,016918E+08	3,754276E+08	3,754225E+08	5,016840E+08	7,194735E+08	9,666611E+08	1,177002E+09	1,297907E+09	1,297900E+09	1,176983E+09	9,666286E+08
1851	7,194349E+08	5,016528E+08	3,754006E+08	3,754069E+08	5,016673E+08	7,194525E+08	9,666497E+08	1,177006E+09	1,297921E+09	1,297921E+09	1,177003E+09	9,666388E+08
1852	7,194314E+08	5,016362E+08	3,753747E+08	3,753773E+08	5,016415E+08	7,194354E+08	9,666413E+08	1,177002E+09	1,297919E+09	1,297928E+09	1,177024E+09	9,666700E+08
1853	7,194639E+08	5,016584E+08	3,753822E+08	3,753830E+08	5,016612E+08	7,194694E+08	9,666763E+08	1,177032E+09	1,297940E+09	1,297933E+09	1,177011E+09	9,666404E+08
1854	7,194211E+08	5,016171E+08	3,753477E+08	3,753456E+08	5,016137E+08	7,194243E+08	9,666479E+08	1,177025E+09	1,297954E+09	1,297962E+09	1,177041E+09	9,666649E+08
1855	7,194409E+08	5,016278E+08	3,753499E+08	3,753423E+08	5,016093E+08	7,194255E+08	9,666594E+08	1,177032E+09	1,297948E+09	1,297945E+09	1,177028E+09	9,666638E+08
1856	7,194486E+08	5,016342E+08	3,753571E+08	3,753611E+08	5,016364E+08	7,194391E+08	9,666564E+08	1,177037E+09	1,297964E+09	1,297956E+09	1,177016E+09	9,666316E+08
1857	7,194105E+08	5,016039E+08	3,753309E+08	3,753317E+08	5,016062E+08	7,194132E+08	9,666264E+08	1,177002E+09	1,297942E+09	1,297963E+09	1,177048E+09	9,666711E+08
1858	7,194464E+08	5,016357E+08	3,753591E+08	3,753566E+08	5,016349E+08	7,194550E+08	9,666726E+08	1,177026E+09	1,297933E+09	1,297927E+09	1,177013E+09	9,666505E+08
1859	7,194336E+08	5,016251E+08	3,753580E+08	3,753657E+08	5,016405E+08	7,194483E+08	9,666689E+08	1,177035E+09	1,297941E+09	1,297925E+09	1,176999E+09	9,666329E+08
1860	7,194230E+08	5,016215E+08	3,753552E+08	3,753579E+08	5,016241E+08	7,194219E+08	9,666357E+08	1,177006E+09	1,297926E+09	1,297925E+09	1,177010E+09	9,666571E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude ☉	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1861	7,194643E+08	5,016728E+08	3,754025E+08	3,754005E+08	5,016708E+08	7,194686E+08	9,666649E+08	1,177014E+09	1,297919E+09	1,297909E+09	1,176988E+09	9,666283E+08
1862	7,194322E+08	5,016534E+08	3,754016E+08	3,754050E+08	5,016618E+08	7,194430E+08	9,666327E+08	1,176986E+09	1,297905E+09	1,297912E+09	1,177000E+09	9,666438E+08
1863	7,194512E+08	5,016743E+08	3,754229E+08	3,754217E+08	5,016720E+08	7,194491E+08	9,666336E+08	1,176967E+09	1,297866E+09	1,297873E+09	1,176984E+09	9,666574E+08
1864	7,194834E+08	5,017082E+08	3,754554E+08	3,754620E+08	5,017200E+08	7,194865E+08	9,666513E+08	1,176975E+09	1,297864E+09	1,297855E+09	1,176952E+09	9,666191E+08
1865	7,194501E+08	5,016882E+08	3,754426E+08	3,754438E+08	5,016904E+08	7,194525E+08	9,666171E+08	1,176945E+09	1,297847E+09	1,297858E+09	1,176972E+09	9,666491E+08
1866	7,194840E+08	5,017220E+08	3,754716E+08	3,754645E+08	5,017081E+08	7,194761E+08	9,666455E+08	1,176963E+09	1,297846E+09	1,297835E+09	1,176944E+09	9,666314E+08
1867	7,194763E+08	5,017170E+08	3,754731E+08	3,754775E+08	5,017235E+08	7,194787E+08	9,666436E+08	1,176973E+09	1,297863E+09	1,297849E+09	1,176939E+09	9,666060E+08
1868	7,194453E+08	5,016909E+08	3,754494E+08	3,754501E+08	5,016916E+08	7,194433E+08	9,666034E+08	1,176939E+09	1,297853E+09	1,297867E+09	1,176975E+09	9,666450E+08
1869	7,194789E+08	5,017175E+08	3,754673E+08	3,754650E+08	5,017196E+08	7,194916E+08	9,666529E+08	1,176967E+09	1,297856E+09	1,297857E+09	1,176965E+09	9,666318E+08
1870	7,194511E+08	5,016814E+08	3,754370E+08	3,754424E+08	5,016943E+08	7,194656E+08	9,666447E+08	1,176981E+09	1,297879E+09	1,297879E+09	1,176978E+09	9,666367E+08
1871	7,194513E+08	5,016713E+08	3,754153E+08	3,754118E+08	5,016627E+08	7,194433E+08	9,666369E+08	1,176981E+09	1,297879E+09	1,297878E+09	1,176983E+09	9,666543E+08
1872	7,194761E+08	5,016919E+08	3,754266E+08	3,754251E+08	5,016888E+08	7,194732E+08	9,666605E+08	1,177006E+09	1,297907E+09	1,297893E+09	1,176972E+09	9,666194E+08
1873	7,194310E+08	5,016516E+08	3,753934E+08	3,753896E+08	5,016436E+08	7,194277E+08	9,666238E+08	1,176984E+09	1,297909E+09	1,297920E+09	1,177010E+09	9,666496E+08
1874	7,194485E+08	5,016600E+08	3,753979E+08	3,753925E+08	5,016488E+08	7,194382E+08	9,666385E+08	1,176993E+09	1,297906E+09	1,297906E+09	1,176999E+09	9,666510E+08
1875	7,194546E+08	5,016608E+08	3,753984E+08	3,754055E+08	5,016755E+08	7,194625E+08	9,666558E+08	1,177009E+09	1,297917E+09	1,297909E+09	1,176987E+09	9,666234E+08
1876	7,194222E+08	5,016326E+08	3,753732E+08	3,753763E+08	5,016408E+08	7,194283E+08	9,666209E+08	1,176977E+09	1,297897E+09	1,297909E+09	1,177008E+09	9,666569E+08
1877	7,194593E+08	5,016699E+08	3,754054E+08	3,754022E+08	5,016691E+08	7,194686E+08	9,666639E+08	1,177000E+09	1,297891E+09	1,297882E+09	1,176982E+09	9,666417E+08
1878	7,194495E+08	5,016633E+08	3,754074E+08	3,754116E+08	5,016714E+08	7,194567E+08	9,666547E+08	1,177006E+09	1,297906E+09	1,297891E+09	1,176972E+09	9,666234E+08
1879	7,194395E+08	5,016636E+08	3,754107E+08	3,754091E+08	5,016574E+08	7,194301E+08	9,666186E+08	1,176967E+09	1,297875E+09	1,297877E+09	1,176977E+09	9,666442E+08
1880	7,194757E+08	5,017100E+08	3,754578E+08	3,754580E+08	5,017148E+08	7,194824E+08	9,666435E+08	1,176968E+09	1,297864E+09	1,297859E+09	1,176954E+09	9,666175E+08
1881	7,194494E+08	5,016935E+08	3,754545E+08	3,754586E+08	5,017037E+08	7,194605E+08	9,666160E+08	1,176936E+09	1,297837E+09	1,297852E+09	1,176964E+09	9,666364E+08
1882	7,194709E+08	5,017155E+08	3,754766E+08	3,754753E+08	5,017128E+08	7,194646E+08	9,666204E+08	1,176933E+09	1,297816E+09	1,297815E+09	1,176940E+09	9,666419E+08
1883	7,194977E+08	5,017454E+08	3,755040E+08	3,755090E+08	5,017555E+08	7,195022E+08	9,666459E+08	1,176952E+09	1,297822E+09	1,297803E+09	1,176908E+09	9,666000E+08
1884	7,194614E+08	5,017237E+08	3,754926E+08	3,754929E+08	5,017230E+08	7,194585E+08	9,665985E+08	1,176911E+09	1,297803E+09	1,297809E+09	1,176928E+09	9,666256E+08
1885	7,194900E+08	5,017550E+08	3,755208E+08	3,755153E+08	5,017460E+08	7,194880E+08	9,666283E+08	1,176926E+09	1,297798E+09	1,297795E+09	1,176920E+09	9,666220E+08
1886	7,194849E+08	5,017473E+08	3,755175E+08	3,755231E+08	5,017596E+08	7,194953E+08	9,666324E+08	1,176939E+09	1,297820E+09	1,297813E+09	1,176919E+09	9,666023E+08
1887	7,194586E+08	5,017219E+08	3,754918E+08	3,754906E+08	5,017223E+08	7,194626E+08	9,666036E+08	1,176912E+09	1,297805E+09	1,297818E+09	1,176943E+09	9,666362E+08
1888	7,194904E+08	5,017454E+08	3,755068E+08	3,755055E+08	5,017506E+08	7,195063E+08	9,666504E+08	1,176949E+09	1,297822E+09	1,297815E+09	1,176929E+09	9,666191E+08
1889	7,194673E+08	5,017148E+08	3,754761E+08	3,754780E+08	5,017177E+08	7,194707E+08	9,666304E+08	1,176954E+09	1,297845E+09	1,297842E+09	1,176946E+09	9,666242E+08
1890	7,194643E+08	5,017047E+08	3,754587E+08	3,754527E+08	5,016888E+08	7,194443E+08	9,666156E+08	1,176955E+09	1,297855E+09	1,297850E+09	1,176956E+09	9,666395E+08
1891	7,194828E+08	5,017198E+08	3,754675E+08	3,754664E+08	5,017185E+08	7,194802E+08	9,666438E+08	1,176976E+09	1,297872E+09	1,297861E+09	1,176950E+09	9,666103E+08
1892	7,194387E+08	5,016778E+08	3,754352E+08	3,754348E+08	5,016773E+08	7,194365E+08	9,666014E+08	1,176939E+09	1,297856E+09	1,297873E+09	1,176979E+09	9,666401E+08
1893	7,194591E+08	5,016890E+08	3,754409E+08	3,754387E+08	5,016878E+08	7,194597E+08	9,666311E+08	1,176953E+09	1,297844E+09	1,297853E+09	1,176973E+09	9,666484E+08
1894	7,194720E+08	5,016948E+08	3,754420E+08	3,754479E+08	5,017078E+08	7,194799E+08	9,666519E+08	1,176982E+09	1,297869E+09	1,297856E+09	1,176949E+09	9,666132E+08
1895	7,194404E+08	5,016721E+08	3,754221E+08	3,754199E+08	5,016697E+08	7,194410E+08	9,666148E+08	1,176950E+09	1,297853E+09	1,297855E+09	1,176960E+09	9,666344E+08
1896	7,194694E+08	5,017069E+08	3,754581E+08	3,754544E+08	5,017056E+08	7,194789E+08	9,666486E+08	1,176970E+09	1,297853E+09	1,297840E+09	1,176939E+09	9,666187E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1897	7,194609E+08	5,017025E+08	3,754608E+08	3,754649E+08	5,017091E+08	7,194652E+08	9,666296E+08	1,176960E+09	1,297856E+09	1,297848E+09	1,176942E+09	9,666105E+08
1898	7,194514E+08	5,017016E+08	3,754662E+08	3,754671E+08	5,017021E+08	7,194451E+08	9,665983E+08	1,176927E+09	1,297828E+09	1,297831E+09	1,176947E+09	9,666352E+08
1899	7,194887E+08	5,017440E+08	3,755069E+08	3,755096E+08	5,017566E+08	7,195048E+08	9,666397E+08	1,176936E+09	1,297810E+09	1,297805E+09	1,176920E+09	9,666105E+08
1900	7,194664E+08	5,017290E+08	3,755041E+08	3,755096E+08	5,017406E+08	7,194740E+08	9,666046E+08	1,176902E+09	1,297784E+09	1,297791E+09	1,176918E+09	9,666208E+08
1901	7,194873E+08	5,017551E+08	3,755279E+08	3,755255E+08	5,017503E+08	7,194806E+08	9,666097E+08	1,176898E+09	1,297765E+09	1,297766E+09	1,176906E+09	9,666294E+08
1902	7,195130E+08	5,017850E+08	3,755549E+08	3,755562E+08	5,017872E+08	7,195126E+08	9,666326E+08	1,176921E+09	1,297783E+09	1,297765E+09	1,176878E+09	9,665868E+08
1903	7,194743E+08	5,017618E+08	3,755441E+08	3,755417E+08	5,017569E+08	7,194708E+08	9,665847E+08	1,176877E+09	1,297758E+09	1,297765E+09	1,176895E+09	9,666098E+08
1904	7,194970E+08	5,017849E+08	3,755676E+08	3,755658E+08	5,017866E+08	7,195056E+08	9,666159E+08	1,176891E+09	1,297756E+09	1,297754E+09	1,176888E+09	9,666098E+08
1905	7,194982E+08	5,017787E+08	3,755591E+08	3,755658E+08	5,017927E+08	7,195109E+08	9,666236E+08	1,176905E+09	1,297772E+09	1,297768E+09	1,176890E+09	9,665962E+08
1906	7,194745E+08	5,017548E+08	3,755341E+08	3,755322E+08	5,017513E+08	7,194713E+08	9,665948E+08	1,176894E+09	1,297774E+09	1,297776E+09	1,176909E+09	9,666241E+08
1907	7,195022E+08	5,017750E+08	3,755447E+08	3,755411E+08	5,017737E+08	7,195129E+08	9,666416E+08	1,176929E+09	1,297793E+09	1,297780E+09	1,176898E+09	9,666058E+08
1908	7,194774E+08	5,017446E+08	3,755182E+08	3,755192E+08	5,017420E+08	7,194695E+08	9,666057E+08	1,176916E+09	1,297806E+09	1,297805E+09	1,176915E+09	9,666081E+08
1909	7,194723E+08	5,017351E+08	3,755025E+08	3,754982E+08	5,017232E+08	7,194536E+08	9,665918E+08	1,176906E+09	1,297801E+09	1,297812E+09	1,176938E+09	9,666336E+08
1910	7,194933E+08	5,017493E+08	3,755092E+08	3,755093E+08	5,017525E+08	7,194969E+08	9,666314E+08	1,176937E+09	1,297821E+09	1,297818E+09	1,176926E+09	9,666061E+08
1911	7,194539E+08	5,017100E+08	3,754782E+08	3,754776E+08	5,017113E+08	7,194589E+08	9,666018E+08	1,176909E+09	1,297802E+09	1,297814E+09	1,176937E+09	9,666251E+08
1912	7,194700E+08	5,017189E+08	3,754833E+08	3,754834E+08	5,017231E+08	7,194780E+08	9,666304E+08	1,176934E+09	1,297807E+09	1,297803E+09	1,176925E+09	9,666272E+08
1913	7,194858E+08	5,017307E+08	3,754867E+08	3,754906E+08	5,017374E+08	7,194911E+08	9,666428E+08	1,176956E+09	1,297833E+09	1,297815E+09	1,176913E+09	9,665960E+08
1914	7,194518E+08	5,017091E+08	3,754728E+08	3,754696E+08	5,017018E+08	7,194459E+08	9,665978E+08	1,176926E+09	1,297824E+09	1,297822E+09	1,176930E+09	9,666179E+08
1915	7,194764E+08	5,017386E+08	3,755053E+08	3,755035E+08	5,017412E+08	7,194897E+08	9,666322E+08	1,176936E+09	1,297814E+09	1,297805E+09	1,176916E+09	9,666109E+08
1916	7,194723E+08	5,017351E+08	3,755103E+08	3,755177E+08	5,017483E+08	7,194770E+08	9,666060E+08	1,176909E+09	1,297796E+09	1,297797E+09	1,176910E+09	9,666036E+08
1917	7,194690E+08	5,017391E+08	3,755169E+08	3,755200E+08	5,017447E+08	7,194660E+08	9,665861E+08	1,176878E+09	1,297758E+09	1,297773E+09	1,176917E+09	9,666327E+08
1918	7,195117E+08	5,017863E+08	3,755582E+08	3,755583E+08	5,017907E+08	7,195191E+08	9,666309E+08	1,176904E+09	1,297758E+09	1,297747E+09	1,176878E+09	9,665994E+08
1919	7,194882E+08	5,017750E+08	3,755599E+08	3,755601E+08	5,017743E+08	7,194867E+08	9,665931E+08	1,176868E+09	1,297733E+09	1,297730E+09	1,176865E+09	9,665951E+08
1920	7,194976E+08	5,017950E+08	3,755842E+08	3,755818E+08	5,017902E+08	7,194931E+08	9,665945E+08	1,176865E+09	1,297723E+09	1,297719E+09	1,176859E+09	9,666029E+08
1921	7,195220E+08	5,018231E+08	3,756076E+08	3,756097E+08	5,018267E+08	7,195260E+08	9,666140E+08	1,176878E+09	1,297734E+09	1,297723E+09	1,176848E+09	9,665728E+08
1922	7,194828E+08	5,017951E+08	3,755936E+08	3,755943E+08	5,017976E+08	7,194876E+08	9,665748E+08	1,176848E+09	1,297720E+09	1,297726E+09	1,176868E+09	9,665996E+08
1923	7,195053E+08	5,018113E+08	3,756068E+08	3,756083E+08	5,018210E+08	7,195255E+08	9,666175E+08	1,176872E+09	1,297720E+09	1,297716E+09	1,176862E+09	9,666034E+08
1924	7,195107E+08	5,018068E+08	3,755980E+08	3,756054E+08	5,018191E+08	7,195168E+08	9,666102E+08	1,176877E+09	1,297734E+09	1,297727E+09	1,176858E+09	9,665856E+08
1925	7,194887E+08	5,017872E+08	3,755749E+08	3,755717E+08	5,017790E+08	7,194795E+08	9,665799E+08	1,176859E+09	1,297732E+09	1,297744E+09	1,176890E+09	9,666183E+08
1926	7,195168E+08	5,018087E+08	3,755868E+08	3,755798E+08	5,017965E+08	7,195145E+08	9,666222E+08	1,176895E+09	1,297754E+09	1,297747E+09	1,176878E+09	9,665989E+08
1927	7,194903E+08	5,017777E+08	3,755619E+08	3,755616E+08	5,017721E+08	7,194787E+08	9,665863E+08	1,176873E+09	1,297753E+09	1,297757E+09	1,176883E+09	9,665950E+08
1928	7,194803E+08	5,017635E+08	3,755448E+08	3,755448E+08	5,017623E+08	7,194742E+08	9,665831E+08	1,176868E+09	1,297749E+09	1,297761E+09	1,176899E+09	9,666191E+08
1929	7,195066E+08	5,017807E+08	3,755494E+08	3,755506E+08	5,017853E+08	7,195155E+08	9,666278E+08	1,176904E+09	1,297768E+09	1,297764E+09	1,176888E+09	9,665933E+08
1930	7,194677E+08	5,017437E+08	3,755217E+08	3,755213E+08	5,017425E+08	7,194706E+08	9,665997E+08	1,176898E+09	1,297772E+09	1,297767E+09	1,176894E+09	9,666040E+08
1931	7,194774E+08	5,017489E+08	3,755244E+08	3,755246E+08	5,017516E+08	7,194883E+08	9,666252E+08	1,176918E+09	1,297782E+09	1,297768E+09	1,176890E+09	9,666067E+08
1932	7,194906E+08	5,017613E+08	3,755333E+08	3,755380E+08	5,017670E+08	7,194928E+08	9,666194E+08	1,176918E+09	1,297794E+09	1,297779E+09	1,176883E+09	9,665796E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1933	7,194600E+08	5,017428E+08	3,755224E+08	3,755222E+08	5,017422E+08	7,194595E+08	9,665761E+08	1,176875E+09	1,297768E+09	1,297785E+09	1,176915E+09	9,666154E+08
1934	7,194921E+08	5,017756E+08	3,755548E+08	3,755529E+08	5,017774E+08	7,195049E+08	9,666182E+08	1,176893E+09	1,297758E+09	1,297759E+09	1,176893E+09	9,666110E+08
1935	7,194947E+08	5,017768E+08	3,755621E+08	3,755681E+08	5,017867E+08	7,194967E+08	9,665981E+08	1,176870E+09	1,297734E+09	1,297733E+09	1,176866E+09	9,665913E+08
1936	7,194882E+08	5,017811E+08	3,755707E+08	3,755739E+08	5,017857E+08	7,194844E+08	9,665783E+08	1,176847E+09	1,297709E+09	1,297714E+09	1,176864E+09	9,666118E+08
1937	7,195304E+08	5,018305E+08	3,756124E+08	3,756099E+08	5,018260E+08	7,195309E+08	9,666173E+08	1,176869E+09	1,297711E+09	1,297698E+09	1,176837E+09	9,665800E+08
1938	7,195007E+08	5,018167E+08	3,756172E+08	3,756174E+08	5,018130E+08	7,194949E+08	9,665788E+08	1,176843E+09	1,297697E+09	1,297688E+09	1,176829E+09	9,665744E+08
1939	7,195019E+08	5,018261E+08	3,756323E+08	3,756337E+08	5,018305E+08	7,195092E+08	9,665831E+08	1,176834E+09	1,297684E+09	1,297683E+09	1,176834E+09	9,665906E+08
1940	7,195274E+08	5,018516E+08	3,756538E+08	3,756597E+08	5,018649E+08	7,195414E+08	9,665993E+08	1,176835E+09	1,297681E+09	1,297678E+09	1,176821E+09	9,665665E+08
1941	7,194972E+08	5,018274E+08	3,756372E+08	3,756397E+08	5,018342E+08	7,195061E+08	9,665673E+08	1,176808E+09	1,297663E+09	1,297680E+09	1,176846E+09	9,665980E+08
1942	7,195243E+08	5,018466E+08	3,756481E+08	3,756455E+08	5,018443E+08	7,195316E+08	9,666081E+08	1,176848E+09	1,297681E+09	1,297673E+09	1,176832E+09	9,665971E+08
1943	7,195302E+08	5,018453E+08	3,756426E+08	3,756448E+08	5,018441E+08	7,195217E+08	9,665926E+08	1,176843E+09	1,297690E+09	1,297679E+09	1,176819E+09	9,665672E+08
1944	7,194987E+08	5,018211E+08	3,756208E+08	3,756176E+08	5,018112E+08	7,194862E+08	9,665601E+08	1,176821E+09	1,297688E+09	1,297700E+09	1,176851E+09	9,665993E+08
1945	7,195263E+08	5,018408E+08	3,756305E+08	3,756244E+08	5,018299E+08	7,195249E+08	9,666040E+08	1,176852E+09	1,297702E+09	1,297704E+09	1,176850E+09	9,665883E+08
1946	7,194990E+08	5,018072E+08	3,756052E+08	3,756081E+08	5,018086E+08	7,194950E+08	9,665828E+08	1,176850E+09	1,297710E+09	1,297708E+09	1,176848E+09	9,665801E+08
1947	7,194855E+08	5,017871E+08	3,755802E+08	3,755839E+08	5,017951E+08	7,194950E+08	9,665902E+08	1,176856E+09	1,297716E+09	1,297719E+09	1,176864E+09	9,666028E+08
1948	7,195117E+08	5,018066E+08	3,755876E+08	3,755894E+08	5,018125E+08	7,195247E+08	9,666205E+08	1,176883E+09	1,297735E+09	1,297724E+09	1,176852E+09	9,665764E+08
1949	7,194773E+08	5,017753E+08	3,755634E+08	3,755623E+08	5,017722E+08	7,194804E+08	9,665877E+08	1,176867E+09	1,297737E+09	1,297741E+09	1,176876E+09	9,665948E+08
1950	7,194888E+08	5,017826E+08	3,755687E+08	3,755663E+08	5,017770E+08	7,194898E+08	9,666064E+08	1,176887E+09	1,297748E+09	1,297741E+09	1,176874E+09	9,666038E+08
1951	7,195060E+08	5,017979E+08	3,755814E+08	3,755857E+08	5,018023E+08	7,195021E+08	9,665953E+08	1,176870E+09	1,297738E+09	1,297733E+09	1,176856E+09	9,665736E+08
1952	7,194753E+08	5,017796E+08	3,755735E+08	3,755761E+08	5,017859E+08	7,194796E+08	9,665628E+08	1,176828E+09	1,297704E+09	1,297725E+09	1,176875E+09	9,666076E+08
1953	7,195151E+08	5,018183E+08	3,756072E+08	3,756044E+08	5,018154E+08	7,195208E+08	9,666075E+08	1,176850E+09	1,297692E+09	1,297694E+09	1,176851E+09	9,666006E+08
1954	7,195157E+08	5,018221E+08	3,756188E+08	3,756232E+08	5,018250E+08	7,195086E+08	9,665907E+08	1,176847E+09	1,297687E+09	1,297671E+09	1,176814E+09	9,665672E+08
1955	7,194989E+08	5,018208E+08	3,756245E+08	3,756276E+08	5,018247E+08	7,194996E+08	9,665708E+08	1,176822E+09	1,297671E+09	1,297668E+09	1,176820E+09	9,665849E+08
1956	7,195334E+08	5,018660E+08	3,756673E+08	3,756661E+08	5,018647E+08	7,195389E+08	9,665951E+08	1,176826E+09	1,297662E+09	1,297652E+09	1,176800E+09	9,665596E+08
1957	7,195071E+08	5,018510E+08	3,756689E+08	3,756733E+08	5,018593E+08	7,195156E+08	9,665646E+08	1,176797E+09	1,297642E+09	1,297650E+09	1,176810E+09	9,665685E+08
1958	7,195139E+08	5,018593E+08	3,756784E+08	3,756806E+08	5,018667E+08	7,195269E+08	9,665777E+08	1,176803E+09	1,297637E+09	1,297640E+09	1,176811E+09	9,665898E+08
1959	7,195454E+08	5,018864E+08	3,756976E+08	3,757026E+08	5,018979E+08	7,195567E+08	9,665921E+08	1,176806E+09	1,297631E+09	1,297625E+09	1,176785E+09	9,665573E+08
1960	7,195142E+08	5,018638E+08	3,756826E+08	3,756836E+08	5,018663E+08	7,195187E+08	9,665594E+08	1,176783E+09	1,297624E+09	1,297633E+09	1,176805E+09	9,665844E+08
1961	7,195425E+08	5,018851E+08	3,756939E+08	3,756865E+08	5,018689E+08	7,195332E+08	9,665891E+08	1,176813E+09	1,297640E+09	1,297635E+09	1,176803E+09	9,665849E+08
1962	7,195424E+08	5,018811E+08	3,756905E+08	3,756913E+08	5,018739E+08	7,195229E+08	9,665744E+08	1,176817E+09	1,297654E+09	1,297640E+09	1,176787E+09	9,665506E+08
1963	7,195026E+08	5,018473E+08	3,756611E+08	3,756614E+08	5,018471E+08	7,195012E+08	9,665486E+08	1,176789E+09	1,297647E+09	1,297661E+09	1,176824E+09	9,665854E+08
1964	7,195283E+08	5,018637E+08	3,756689E+08	3,756663E+08	5,018631E+08	7,195392E+08	9,665935E+08	1,176814E+09	1,297649E+09	1,297655E+09	1,176818E+09	9,665777E+08
1965	7,195091E+08	5,018346E+08	3,756429E+08	3,756479E+08	5,018427E+08	7,195142E+08	9,665822E+08	1,176822E+09	1,297663E+09	1,297666E+09	1,176822E+09	9,665718E+08
1966	7,194984E+08	5,018178E+08	3,756181E+08	3,756181E+08	5,018172E+08	7,195016E+08	9,665854E+08	1,176841E+09	1,297689E+09	1,297684E+09	1,176836E+09	9,665923E+08
1967	7,195241E+08	5,018402E+08	3,756302E+08	3,756287E+08	5,018389E+08	7,195293E+08	9,666028E+08	1,176851E+09	1,297698E+09	1,297686E+09	1,176819E+09	9,665602E+08
1968	7,194865E+08	5,018097E+08	3,756114E+08	3,756107E+08	5,018079E+08	7,194892E+08	9,665676E+08	1,176827E+09	1,297693E+09	1,297701E+09	1,176845E+09	9,665836E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
1969	7,195029E+08	5,018185E+08	3,756174E+08	3,756153E+08	5,018133E+08	7,194997E+08	9,665846E+08	1,176839E+09	1,297692E+09	1,297696E+09	1,176851E+09	9,666012E+08
1970	7,195233E+08	5,018360E+08	3,756333E+08	3,756388E+08	5,018421E+08	7,195176E+08	9,665885E+08	1,176840E+09	1,297684E+09	1,297675E+09	1,176818E+09	9,665631E+08
1971	7,194896E+08	5,018147E+08	3,756212E+08	3,756260E+08	5,018260E+08	7,195002E+08	9,665623E+08	1,176804E+09	1,297657E+09	1,297669E+09	1,176831E+09	9,665901E+08
1972	7,195258E+08	5,018554E+08	3,756587E+08	3,756550E+08	5,018516E+08	7,195325E+08	9,665949E+08	1,176817E+09	1,297643E+09	1,297639E+09	1,176806E+09	9,665808E+08
1973	7,195284E+08	5,018623E+08	3,756728E+08	3,756768E+08	5,018654E+08	7,195237E+08	9,665772E+08	1,176807E+09	1,297638E+09	1,297630E+09	1,176784E+09	9,665505E+08
1974	7,195085E+08	5,018584E+08	3,756765E+08	3,756780E+08	5,018591E+08	7,195079E+08	9,665551E+08	1,176789E+09	1,297631E+09	1,297630E+09	1,176795E+09	9,665752E+08
1975	7,195443E+08	5,019014E+08	3,757175E+08	3,757179E+08	5,019068E+08	7,195555E+08	9,665765E+08	1,176781E+09	1,297606E+09	1,297602E+09	1,176768E+09	9,665506E+08
1976	7,195212E+08	5,018869E+08	3,757186E+08	3,757249E+08	5,019017E+08	7,195369E+08	9,665568E+08	1,176759E+09	1,297586E+09	1,297593E+09	1,176772E+09	9,665621E+08
1977	7,195358E+08	5,018986E+08	3,757263E+08	3,757259E+08	5,018981E+08	7,195372E+08	9,665676E+08	1,176771E+09	1,297586E+09	1,297587E+09	1,176776E+09	9,665834E+08
1978	7,195661E+08	5,019280E+08	3,757486E+08	3,757495E+08	5,019268E+08	7,195602E+08	9,665811E+08	1,176786E+09	1,297593E+09	1,297573E+09	1,176741E+09	9,665381E+08
1979	7,195243E+08	5,018985E+08	3,757300E+08	3,757296E+08	5,018977E+08	7,195262E+08	9,665451E+08	1,176755E+09	1,297588E+09	1,297594E+09	1,176770E+09	9,665622E+08
1980	7,195442E+08	5,019151E+08	3,757409E+08	3,757342E+08	5,019018E+08	7,195373E+08	9,665629E+08	1,176767E+09	1,297590E+09	1,297593E+09	1,176773E+09	9,665700E+08
1981	7,195481E+08	5,019094E+08	3,757334E+08	3,757376E+08	5,019143E+08	7,195423E+08	9,665608E+08	1,176771E+09	1,297601E+09	1,297604E+09	1,176768E+09	9,665438E+08
1982	7,195115E+08	5,018736E+08	3,756986E+08	3,756992E+08	5,018777E+08	7,195184E+08	9,665486E+08	1,176768E+09	1,297609E+09	1,297621E+09	1,176799E+09	9,665807E+08
1983	7,195408E+08	5,018909E+08	3,757046E+08	3,757024E+08	5,018934E+08	7,195543E+08	9,665892E+08	1,176793E+09	1,297611E+09	1,297607E+09	1,176781E+09	9,665649E+08
1984	7,195213E+08	5,018656E+08	3,756828E+08	3,756866E+08	5,018724E+08	7,195276E+08	9,665781E+08	1,176804E+09	1,297634E+09	1,297626E+09	1,176785E+09	9,665589E+08
1985	7,195128E+08	5,018516E+08	3,756613E+08	3,756572E+08	5,018412E+08	7,195037E+08	9,665691E+08	1,176812E+09	1,297654E+09	1,297654E+09	1,176814E+09	9,665848E+08
1986	7,195365E+08	5,018740E+08	3,756776E+08	3,756749E+08	5,018686E+08	7,195312E+08	9,665852E+08	1,176824E+09	1,297660E+09	1,297647E+09	1,176793E+09	9,665504E+08
1987	7,194952E+08	5,018394E+08	3,756563E+08	3,756588E+08	5,018474E+08	7,195065E+08	9,665547E+08	1,176790E+09	1,297645E+09	1,297657E+09	1,176818E+09	9,665745E+08
1988	7,195125E+08	5,018505E+08	3,756648E+08	3,756638E+08	5,018505E+08	7,195132E+08	9,665675E+08	1,176792E+09	1,297626E+09	1,297635E+09	1,176813E+09	9,665924E+08
1989	7,195413E+08	5,018738E+08	3,756821E+08	3,756878E+08	5,018816E+08	7,195365E+08	9,665804E+08	1,176802E+09	1,297627E+09	1,297619E+09	1,176779E+09	9,665505E+08
1990	7,195071E+08	5,018555E+08	3,756722E+08	3,756729E+08	5,018578E+08	7,195102E+08	9,665534E+08	1,176780E+09	1,297618E+09	1,297618E+09	1,176788E+09	9,665716E+08
1991	7,195382E+08	5,018948E+08	3,757114E+08	3,757064E+08	5,018889E+08	7,195414E+08	9,665742E+08	1,176778E+09	1,297594E+09	1,297587E+09	1,176761E+09	9,665573E+08
1992	7,195365E+08	5,019009E+08	3,757288E+08	3,757340E+08	5,019102E+08	7,195410E+08	9,665622E+08	1,176768E+09	1,297589E+09	1,297580E+09	1,176745E+09	9,665360E+08
1993	7,195213E+08	5,018961E+08	3,757302E+08	3,757316E+08	5,018997E+08	7,195240E+08	9,665403E+08	1,176747E+09	1,297576E+09	1,297584E+09	1,176769E+09	9,665706E+08
1994	7,195604E+08	5,019386E+08	3,757698E+08	3,757703E+08	5,019453E+08	7,195716E+08	9,665739E+08	1,176757E+09	1,297558E+09	1,297549E+09	1,176731E+09	9,665405E+08
1995	7,195361E+08	5,019219E+08	3,757659E+08	3,757730E+08	5,019391E+08	7,195547E+08	9,665533E+08	1,176738E+09	1,297549E+09	1,297548E+09	1,176735E+09	9,665470E+08
1996	7,195470E+08	5,019344E+08	3,757748E+08	3,757715E+08	5,019280E+08	7,195416E+08	9,665470E+08	1,176735E+09	1,297543E+09	1,297544E+09	1,176742E+09	9,665695E+08
1997	7,195796E+08	5,019645E+08	3,757971E+08	3,757963E+08	5,019600E+08	7,195683E+08	9,665614E+08	1,176744E+09	1,297551E+09	1,297543E+09	1,176719E+09	9,665278E+08
1998	7,195347E+08	5,019309E+08	3,757751E+08	3,757733E+08	5,019276E+08	7,195320E+08	9,665268E+08	1,176721E+09	1,297549E+09	1,297559E+09	1,176748E+09	9,665558E+08
1999	7,195442E+08	5,019430E+08	3,757814E+08	3,757775E+08	5,019393E+08	7,195536E+08	9,665458E+08	1,176723E+09	1,297534E+09	1,297542E+09	1,176741E+09	9,665610E+08
2000	7,195603E+08	5,019388E+08	3,757738E+08	3,757799E+08	5,019513E+08	7,195659E+08	9,665606E+08	1,176742E+09	1,297550E+09	1,297547E+09	1,176729E+09	9,665355E+08
2001	7,195286E+08	5,019054E+08	3,757380E+08	3,757358E+08	5,019034E+08	7,195295E+08	9,665450E+08	1,176748E+09	1,297571E+09	1,297577E+09	1,176765E+09	9,665708E+08
2002	7,195553E+08	5,019239E+08	3,757475E+08	3,757421E+08	5,019175E+08	7,195589E+08	9,665839E+08	1,176782E+09	1,297585E+09	1,297567E+09	1,176742E+09	9,665449E+08
2003	7,195276E+08	5,018948E+08	3,757250E+08	3,757283E+08	5,019011E+08	7,195346E+08	9,665644E+08	1,176781E+09	1,297607E+09	1,297596E+09	1,176756E+09	9,665395E+08
2004	7,195142E+08	5,018794E+08	3,757058E+08	3,757025E+08	5,018726E+08	7,195073E+08	9,665421E+08	1,176767E+09	1,297606E+09	1,297615E+09	1,176790E+09	9,665769E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2005	7,195473E+08	5,019046E+08	3,757223E+08	3,757221E+08	5,019072E+08	7,195481E+08	9,665684E+08	1,176775E+09	1,297604E+09	1,297607E+09	1,176772E+09	9,665468E+08
2006	7,195103E+08	5,018713E+08	3,756995E+08	3,757014E+08	5,018792E+08	7,195212E+08	9,665493E+08	1,176762E+09	1,297597E+09	1,297608E+09	1,176785E+09	9,665684E+08
2007	7,195304E+08	5,018861E+08	3,757098E+08	3,757089E+08	5,018868E+08	7,195284E+08	9,665556E+08	1,176758E+09	1,297575E+09	1,297576E+09	1,176766E+09	9,665757E+08
2008	7,195580E+08	5,019147E+08	3,757338E+08	3,757370E+08	5,019189E+08	7,195529E+08	9,665709E+08	1,176772E+09	1,297582E+09	1,297564E+09	1,176732E+09	9,665324E+08
2009	7,195226E+08	5,018966E+08	3,757272E+08	3,757245E+08	5,018914E+08	7,195170E+08	9,665356E+08	1,176746E+09	1,297575E+09	1,297578E+09	1,176756E+09	9,665575E+08
2010	7,195495E+08	5,019327E+08	3,757674E+08	3,757633E+08	5,019284E+08	7,195514E+08	9,665592E+08	1,176747E+09	1,297549E+09	1,297540E+09	1,176725E+09	9,665414E+08
2011	7,195443E+08	5,019338E+08	3,757801E+08	3,757894E+08	5,019558E+08	7,195641E+08	9,665531E+08	1,176732E+09	1,297540E+09	1,297535E+09	1,176714E+09	9,665233E+08
2012	7,195307E+08	5,019305E+08	3,757812E+08	3,757831E+08	5,019382E+08	7,195397E+08	9,665275E+08	1,176705E+09	1,297515E+09	1,297527E+09	1,176734E+09	9,665639E+08
2013	7,195802E+08	5,019779E+08	3,758199E+08	3,758196E+08	5,019818E+08	7,195867E+08	9,665623E+08	1,176721E+09	1,297510E+09	1,297503E+09	1,176698E+09	9,665308E+08
2014	7,195549E+08	5,019623E+08	3,758160E+08	3,758184E+08	5,019677E+08	7,195602E+08	9,665386E+08	1,176710E+09	1,297513E+09	1,297507E+09	1,176701E+09	9,665342E+08
2015	7,195618E+08	5,019720E+08	3,758239E+08	3,758204E+08	5,019636E+08	7,195477E+08	9,665193E+08	1,176688E+09	1,297492E+09	1,297496E+09	1,176705E+09	9,665524E+08
2016	7,195900E+08	5,019996E+08	3,758464E+08	3,758471E+08	5,020006E+08	7,195855E+08	9,665454E+08	1,176702E+09	1,297497E+09	1,297490E+09	1,176685E+09	9,665181E+08
2017	7,195476E+08	5,019630E+08	3,758206E+08	3,758196E+08	5,019634E+08	7,195493E+08	9,665185E+08	1,176686E+09	1,297498E+09	1,297513E+09	1,176719E+09	9,665494E+08
2018	7,195670E+08	5,019724E+08	3,758231E+08	3,758201E+08	5,019705E+08	7,195703E+08	9,665514E+08	1,176710E+09	1,297495E+09	1,297491E+09	1,176700E+09	9,665450E+08
2019	7,195693E+08	5,019661E+08	3,758118E+08	3,758189E+08	5,019822E+08	7,195844E+08	9,665643E+08	1,176733E+09	1,297527E+09	1,297512E+09	1,176694E+09	9,665156E+08
2020	7,195333E+08	5,019339E+08	3,757780E+08	3,757730E+08	5,019262E+08	7,195329E+08	9,665293E+08	1,176721E+09	1,297540E+09	1,297545E+09	1,176738E+09	9,665568E+08
2021	7,195639E+08	5,019530E+08	3,757878E+08	3,757816E+08	5,019439E+08	7,195632E+08	9,665632E+08	1,176747E+09	1,297554E+09	1,297548E+09	1,176727E+09	9,665373E+08
2022	7,195375E+08	5,019231E+08	3,757650E+08	3,757679E+08	5,019280E+08	7,195388E+08	9,665437E+08	1,176746E+09	1,297571E+09	1,297568E+09	1,176740E+09	9,665379E+08
2023	7,195277E+08	5,019076E+08	3,757451E+08	3,757454E+08	5,019084E+08	7,195196E+08	9,665183E+08	1,176715E+09	1,297545E+09	1,297562E+09	1,176759E+09	9,665716E+08
2024	7,195654E+08	5,019396E+08	3,757672E+08	3,757672E+08	5,019432E+08	7,195676E+08	9,665626E+08	1,176740E+09	1,297544E+09	1,297541E+09	1,176729E+09	9,665398E+08
2025	7,195324E+08	5,019115E+08	3,757489E+08	3,757475E+08	5,019099E+08	7,195318E+08	9,665395E+08	1,176732E+09	1,297549E+09	1,297551E+09	1,176741E+09	9,665529E+08
2026	7,195468E+08	5,019271E+08	3,757638E+08	3,757600E+08	5,019192E+08	7,195378E+08	9,665478E+08	1,176735E+09	1,297534E+09	1,297523E+09	1,176714E+09	9,665469E+08
2027	7,195638E+08	5,019511E+08	3,757876E+08	3,757922E+08	5,019604E+08	7,195699E+08	9,665590E+08	1,176740E+09	1,297543E+09	1,297524E+09	1,176694E+09	9,665060E+08
2028	7,195234E+08	5,019300E+08	3,757808E+08	3,757804E+08	5,019331E+08	7,195308E+08	9,665142E+08	1,176700E+09	1,297522E+09	1,297533E+09	1,176727E+09	9,665461E+08
2029	7,195602E+08	5,019659E+08	3,758173E+08	3,758172E+08	5,019728E+08	7,195745E+08	9,665484E+08	1,176705E+09	1,297499E+09	1,297501E+09	1,176701E+09	9,665369E+08
2030	7,195612E+08	5,019690E+08	3,758273E+08	3,758368E+08	5,019906E+08	7,195798E+08	9,665490E+08	1,176708E+09	1,297499E+09	1,297490E+09	1,176685E+09	9,665198E+08
2031	7,195515E+08	5,019683E+08	3,758282E+08	3,758308E+08	5,019746E+08	7,195514E+08	9,665104E+08	1,176668E+09	1,297466E+09	1,297475E+09	1,176695E+09	9,665526E+08
2032	7,196005E+08	5,020210E+08	3,758726E+08	3,758686E+08	5,020156E+08	7,195984E+08	9,665488E+08	1,176686E+09	1,297462E+09	1,297451E+09	1,176660E+09	9,665201E+08
2033	7,195734E+08	5,020039E+08	3,758695E+08	3,758686E+08	5,019990E+08	7,195643E+08	9,665170E+08	1,176671E+09	1,297466E+09	1,297466E+09	1,176672E+09	9,665244E+08
2034	7,195756E+08	5,020088E+08	3,758752E+08	3,758723E+08	5,020006E+08	7,195600E+08	9,665061E+08	1,176653E+09	1,297442E+09	1,297446E+09	1,176667E+09	9,665360E+08
2035	7,195977E+08	5,020295E+08	3,758908E+08	3,758950E+08	5,020411E+08	7,196095E+08	9,665411E+08	1,176669E+09	1,297448E+09	1,297442E+09	1,176649E+09	9,665004E+08
2036	7,195535E+08	5,019914E+08	3,758619E+08	3,758616E+08	5,019945E+08	7,195641E+08	9,665128E+08	1,176658E+09	1,297450E+09	1,297461E+09	1,176683E+09	9,665371E+08
2037	7,195793E+08	5,020023E+08	3,758620E+08	3,758591E+08	5,019990E+08	7,195821E+08	9,665439E+08	1,176688E+09	1,297466E+09	1,297459E+09	1,176669E+09	9,665293E+08
2038	7,195784E+08	5,019953E+08	3,758503E+08	3,758542E+08	5,020022E+08	7,195852E+08	9,665513E+08	1,176714E+09	1,297506E+09	1,297487E+09	1,176670E+09	9,665025E+08
2039	7,195414E+08	5,019617E+08	3,758169E+08	3,758137E+08	5,019552E+08	7,195350E+08	9,665018E+08	1,176678E+09	1,297497E+09	1,297511E+09	1,176713E+09	9,665459E+08
2040	7,195741E+08	5,019841E+08	3,758305E+08	3,758251E+08	5,019771E+08	7,195755E+08	9,665448E+08	1,176703E+09	1,297500E+09	1,297501E+09	1,176702E+09	9,665357E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2041	7,195540E+08	5,019557E+08	3,758086E+08	3,758115E+08	5,019598E+08	7,195517E+08	9,665311E+08	1,176707E+09	1,297517E+09	1,297520E+09	1,176713E+09	9,665353E+08
2042	7,195465E+08	5,019424E+08	3,757904E+08	3,757911E+08	5,019416E+08	7,195360E+08	9,665181E+08	1,176691E+09	1,297495E+09	1,297503E+09	1,176712E+09	9,665537E+08
2043	7,195781E+08	5,019742E+08	3,758131E+08	3,758139E+08	5,019795E+08	7,195873E+08	9,665609E+08	1,176719E+09	1,297508E+09	1,297494E+09	1,176684E+09	9,665139E+08
2044	7,195382E+08	5,019471E+08	3,757988E+08	3,757960E+08	5,019426E+08	7,195418E+08	9,665258E+08	1,176700E+09	1,297506E+09	1,297507E+09	1,176704E+09	9,665331E+08
2045	7,195546E+08	5,019612E+08	3,758137E+08	3,758119E+08	5,019571E+08	7,195503E+08	9,665308E+08	1,176699E+09	1,297498E+09	1,297493E+09	1,176688E+09	9,665316E+08
2046	7,195707E+08	5,019829E+08	3,758354E+08	3,758423E+08	5,019978E+08	7,195839E+08	9,665454E+08	1,176706E+09	1,297503E+09	1,297490E+09	1,176672E+09	9,665009E+08
2047	7,195374E+08	5,019626E+08	3,758269E+08	3,758315E+08	5,019758E+08	7,195491E+08	9,664974E+08	1,176651E+09	1,297460E+09	1,297478E+09	1,176694E+09	9,665412E+08
2048	7,195818E+08	5,020065E+08	3,758673E+08	3,758663E+08	5,020100E+08	7,195935E+08	9,665432E+08	1,176672E+09	1,297441E+09	1,297437E+09	1,176662E+09	9,665337E+08
2049	7,195876E+08	5,020150E+08	3,758817E+08	3,758866E+08	5,020218E+08	7,195865E+08	9,665338E+08	1,176676E+09	1,297453E+09	1,297439E+09	1,176646E+09	9,665091E+08
2050	7,195731E+08	5,020146E+08	3,758859E+08	3,758843E+08	5,020071E+08	7,195573E+08	9,664949E+08	1,176634E+09	1,297418E+09	1,297422E+09	1,176647E+09	9,665285E+08
2051	7,196099E+08	5,020603E+08	3,759282E+08	3,759251E+08	5,020568E+08	7,196127E+08	9,665320E+08	1,176647E+09	1,297415E+09	1,297406E+09	1,176622E+09	9,664956E+08
2052	7,195763E+08	5,020381E+08	3,759215E+08	3,759227E+08	5,020399E+08	7,195793E+08	9,664978E+08	1,176622E+09	1,297406E+09	1,297414E+09	1,176638E+09	9,665102E+08
2053	7,195835E+08	5,020385E+08	3,759195E+08	3,759203E+08	5,020404E+08	7,195821E+08	9,665002E+08	1,176619E+09	1,297398E+09	1,297406E+09	1,176636E+09	9,665231E+08
2054	7,196068E+08	5,020573E+08	3,759291E+08	3,759339E+08	5,020705E+08	7,196252E+08	9,665435E+08	1,176657E+09	1,297420E+09	1,297406E+09	1,176620E+09	9,664911E+08
2055	7,195658E+08	5,020194E+08	3,758975E+08	3,758988E+08	5,020230E+08	7,195722E+08	9,664996E+08	1,176631E+09	1,297417E+09	1,297425E+09	1,176652E+09	9,665244E+08
2056	7,195917E+08	5,020343E+08	3,759018E+08	3,758962E+08	5,020230E+08	7,195884E+08	9,665329E+08	1,176663E+09	1,297432E+09	1,297424E+09	1,176646E+09	9,665244E+08
2057	7,195920E+08	5,020276E+08	3,758929E+08	3,758947E+08	5,020258E+08	7,195833E+08	9,665279E+08	1,176679E+09	1,297469E+09	1,297459E+09	1,176655E+09	9,665004E+08
2058	7,195549E+08	5,019930E+08	3,758599E+08	3,758574E+08	5,019862E+08	7,195449E+08	9,664868E+08	1,176637E+09	1,297445E+09	1,297465E+09	1,176683E+09	9,665358E+08
2059	7,195849E+08	5,020137E+08	3,758722E+08	3,758697E+08	5,020137E+08	7,195962E+08	9,665392E+08	1,176666E+09	1,297446E+09	1,297450E+09	1,176667E+09	9,665208E+08
2060	7,195643E+08	5,019885E+08	3,758517E+08	3,758545E+08	5,019914E+08	7,195654E+08	9,665234E+08	1,176673E+09	1,297461E+09	1,297460E+09	1,176671E+09	9,665208E+08
2061	7,195605E+08	5,019776E+08	3,758353E+08	3,758359E+08	5,019746E+08	7,195496E+08	9,665094E+08	1,176667E+09	1,297462E+09	1,297462E+09	1,176670E+09	9,665308E+08
2062	7,195858E+08	5,020079E+08	3,758590E+08	3,758586E+08	5,020090E+08	7,195952E+08	9,665508E+08	1,176697E+09	1,297479E+09	1,297460E+09	1,176652E+09	9,664953E+08
2063	7,195448E+08	5,019779E+08	3,758446E+08	3,758468E+08	5,019822E+08	7,195517E+08	9,665036E+08	1,176657E+09	1,297458E+09	1,297466E+09	1,176673E+09	9,665188E+08
2064	7,195642E+08	5,019957E+08	3,758624E+08	3,758630E+08	5,019978E+08	7,195699E+08	9,665207E+08	1,176660E+09	1,297442E+09	1,297442E+09	1,176663E+09	9,665301E+08
2065	7,195878E+08	5,020198E+08	3,758854E+08	3,758922E+08	5,020335E+08	7,195979E+08	9,665359E+08	1,176671E+09	1,297452E+09	1,297442E+09	1,176646E+09	9,665002E+08
2066	7,195605E+08	5,020050E+08	3,758797E+08	3,758830E+08	5,020117E+08	7,195649E+08	9,664943E+08	1,176623E+09	1,297409E+09	1,297420E+09	1,176650E+09	9,665267E+08
2067	7,196006E+08	5,020504E+08	3,759220E+08	3,759189E+08	5,020473E+08	7,196071E+08	9,665315E+08	1,176640E+09	1,297398E+09	1,297389E+09	1,176619E+09	9,665106E+08
2068	7,195992E+08	5,020584E+08	3,759384E+08	3,759400E+08	5,020563E+08	7,195921E+08	9,665108E+08	1,176631E+09	1,297400E+09	1,297390E+09	1,176610E+09	9,664929E+08
2069	7,195852E+08	5,020540E+08	3,759405E+08	3,759406E+08	5,020486E+08	7,195689E+08	9,664716E+08	1,176590E+09	1,297373E+09	1,297382E+09	1,176616E+09	9,665121E+08
2070	7,196166E+08	5,020918E+08	3,759754E+08	3,759751E+08	5,020954E+08	7,196280E+08	9,665189E+08	1,176609E+09	1,297367E+09	1,297364E+09	1,176595E+09	9,664868E+08
2071	7,195867E+08	5,020663E+08	3,759631E+08	3,759701E+08	5,020808E+08	7,195990E+08	9,664887E+08	1,176582E+09	1,297347E+09	1,297358E+09	1,176602E+09	9,665000E+08
2072	7,195984E+08	5,020722E+08	3,759615E+08	3,759617E+08	5,020724E+08	7,196003E+08	9,665018E+08	1,176598E+09	1,297350E+09	1,297350E+09	1,176601E+09	9,665155E+08
2073	7,196225E+08	5,020926E+08	3,759728E+08	3,759735E+08	5,020945E+08	7,196288E+08	9,665322E+08	1,176635E+09	1,297390E+09	1,297372E+09	1,176591E+09	9,664806E+08
2074	7,195802E+08	5,020552E+08	3,759432E+08	3,759411E+08	5,020490E+08	7,195768E+08	9,664870E+08	1,176602E+09	1,297380E+09	1,297387E+09	1,176618E+09	9,665056E+08
2075	7,195978E+08	5,020648E+08	3,759457E+08	3,759412E+08	5,020560E+08	7,195975E+08	9,665157E+08	1,176627E+09	1,297393E+09	1,297390E+09	1,176621E+09	9,665080E+08
2076	7,195961E+08	5,020563E+08	3,759348E+08	3,759380E+08	5,020587E+08	7,195942E+08	9,665104E+08	1,176635E+09	1,297413E+09	1,297413E+09	1,176630E+09	9,664953E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2077	7,195668E+08	5,020215E+08	3,758997E+08	3,758999E+08	5,020211E+08	7,195626E+08	9,664801E+08	1,176607E+09	1,297402E+09	1,297421E+09	1,176651E+09	9,665249E+08
2078	7,195956E+08	5,020417E+08	3,759098E+08	3,759076E+08	5,020424E+08	7,196095E+08	9,665390E+08	1,176651E+09	1,297415E+09	1,297410E+09	1,176634E+09	9,665087E+08
2079	7,195763E+08	5,020185E+08	3,758909E+08	3,758957E+08	5,020236E+08	7,195758E+08	9,665117E+08	1,176643E+09	1,297421E+09	1,297416E+09	1,176633E+09	9,665028E+08
2080	7,195711E+08	5,020127E+08	3,758804E+08	3,758790E+08	5,020049E+08	7,195603E+08	9,665012E+08	1,176641E+09	1,297422E+09	1,297420E+09	1,176643E+09	9,665206E+08
2081	7,195957E+08	5,020424E+08	3,759078E+08	3,759067E+08	5,020413E+08	7,195999E+08	9,665309E+08	1,176662E+09	1,297440E+09	1,297428E+09	1,176632E+09	9,664909E+08
2082	7,195596E+08	5,020140E+08	3,758942E+08	3,758973E+08	5,020204E+08	7,195673E+08	9,664913E+08	1,176615E+09	1,297403E+09	1,297415E+09	1,176640E+09	9,665087E+08
2083	7,195783E+08	5,020321E+08	3,759124E+08	3,759144E+08	5,020385E+08	7,195901E+08	9,665150E+08	1,176625E+09	1,297387E+09	1,297389E+09	1,176626E+09	9,665171E+08
2084	7,196040E+08	5,020613E+08	3,759379E+08	3,759425E+08	5,020683E+08	7,196085E+08	9,665217E+08	1,176633E+09	1,297392E+09	1,297380E+09	1,176604E+09	9,664884E+08
2085	7,195797E+08	5,020488E+08	3,759353E+08	3,759363E+08	5,020485E+08	7,195742E+08	9,664752E+08	1,176588E+09	1,297368E+09	1,297373E+09	1,176606E+09	9,665051E+08
2086	7,196119E+08	5,020907E+08	3,759766E+08	3,759721E+08	5,020832E+08	7,196143E+08	9,665129E+08	1,176604E+09	1,297355E+09	1,297348E+09	1,176586E+09	9,664934E+08
2087	7,196082E+08	5,020933E+08	3,759899E+08	3,759965E+08	5,021014E+08	7,196049E+08	9,664854E+08	1,176578E+09	1,297337E+09	1,297336E+09	1,176573E+09	9,664777E+08
2088	7,195955E+08	5,020897E+08	3,759908E+08	3,759928E+08	5,020920E+08	7,195927E+08	9,664660E+08	1,176552E+09	1,297312E+09	1,297324E+09	1,176584E+09	9,665065E+08
2089	7,196298E+08	5,021254E+08	3,760225E+08	3,760227E+08	5,021309E+08	7,196440E+08	9,665158E+08	1,176584E+09	1,297322E+09	1,297316E+09	1,176564E+09	9,664816E+08
2090	7,196047E+08	5,021021E+08	3,760081E+08	3,760135E+08	5,021129E+08	7,196158E+08	9,664910E+08	1,176564E+09	1,297309E+09	1,297309E+09	1,176561E+09	9,664823E+08
2091	7,196095E+08	5,021062E+08	3,760059E+08	3,760037E+08	5,021024E+08	7,196125E+08	9,664971E+08	1,176580E+09	1,297323E+09	1,297317E+09	1,176569E+09	9,664950E+08
2092	7,196289E+08	5,021254E+08	3,760170E+08	3,760145E+08	5,021196E+08	7,196297E+08	9,665118E+08	1,176601E+09	1,297351E+09	1,297339E+09	1,176569E+09	9,664722E+08
2093	7,195898E+08	5,020853E+08	3,759861E+08	3,759850E+08	5,020810E+08	7,195825E+08	9,664631E+08	1,176566E+09	1,297347E+09	1,297359E+09	1,176597E+09	9,664972E+08
2094	7,196054E+08	5,020903E+08	3,759834E+08	3,759807E+08	5,020867E+08	7,196078E+08	9,665008E+08	1,176591E+09	1,297349E+09	1,297354E+09	1,176600E+09	9,665055E+08
2095	7,196088E+08	5,020813E+08	3,759700E+08	3,759774E+08	5,020920E+08	7,196078E+08	9,664985E+08	1,176595E+09	1,297355E+09	1,297356E+09	1,176594E+09	9,664873E+08
2096	7,195835E+08	5,020552E+08	3,759402E+08	3,759383E+08	5,020503E+08	7,195774E+08	9,664795E+08	1,176586E+09	1,297354E+09	1,297363E+09	1,176613E+09	9,665148E+08
2097	7,196093E+08	5,020769E+08	3,759548E+08	3,759486E+08	5,020673E+08	7,196119E+08	9,665258E+08	1,176628E+09	1,297382E+09	1,297371E+09	1,176600E+09	9,664939E+08
2098	7,195887E+08	5,020553E+08	3,759401E+08	3,759424E+08	5,020560E+08	7,195863E+08	9,665005E+08	1,176612E+09	1,297380E+09	1,297374E+09	1,176596E+09	9,664804E+08
2099	7,195755E+08	5,020457E+08	3,759302E+08	3,759303E+08	5,020450E+08	7,195757E+08	9,664868E+08	1,176604E+09	1,297378E+09	1,297381E+09	1,176612E+09	9,665018E+08
2100	7,196001E+08	5,020740E+08	3,759554E+08	3,759558E+08	5,020795E+08	7,196150E+08	9,665158E+08	1,176619E+09	1,297382E+09	1,297378E+09	1,176604E+09	9,664864E+08
2101	7,195753E+08	5,020490E+08	3,759426E+08	3,759478E+08	5,020608E+08	7,195854E+08	9,664823E+08	1,176586E+09	1,297360E+09	1,297368E+09	1,176605E+09	9,664982E+08
2102	7,195938E+08	5,020682E+08	3,759598E+08	3,759611E+08	5,020722E+08	7,196010E+08	9,665054E+08	1,176599E+09	1,297348E+09	1,297344E+09	1,176592E+09	9,665073E+08
2103	7,196208E+08	5,020991E+08	3,759879E+08	3,759929E+08	5,021048E+08	7,196170E+08	9,665021E+08	1,176591E+09	1,297340E+09	1,297328E+09	1,176564E+09	9,664735E+08
2104	7,195957E+08	5,020918E+08	3,759912E+08	3,759898E+08	5,020862E+08	7,195861E+08	9,664610E+08	1,176549E+09	1,297310E+09	1,297319E+09	1,176574E+09	9,664953E+08
2105	7,196247E+08	5,021298E+08	3,760319E+08	3,760274E+08	5,021227E+08	7,196234E+08	9,664910E+08	1,176561E+09	1,297303E+09	1,297302E+09	1,176556E+09	9,664862E+08
2106	7,196240E+08	5,021316E+08	3,760423E+08	3,760497E+08	5,021455E+08	7,196296E+08	9,664796E+08	1,176536E+09	1,297275E+09	1,297275E+09	1,176531E+09	9,664620E+08
2107	7,196077E+08	5,021254E+08	3,760401E+08	3,760427E+08	5,021328E+08	7,196168E+08	9,664680E+08	1,176526E+09	1,297263E+09	1,297269E+09	1,176541E+09	9,664868E+08
2108	7,196406E+08	5,021610E+08	3,760691E+08	3,760670E+08	5,021619E+08	7,196546E+08	9,665077E+08	1,176560E+09	1,297280E+09	1,297266E+09	1,176525E+09	9,664684E+08
2109	7,196191E+08	5,021387E+08	3,760556E+08	3,760586E+08	5,021430E+08	7,196211E+08	9,664746E+08	1,176543E+09	1,297287E+09	1,297279E+09	1,176528E+09	9,664636E+08
2110	7,196158E+08	5,021363E+08	3,760493E+08	3,760461E+08	5,021299E+08	7,196144E+08	9,664776E+08	1,176551E+09	1,297295E+09	1,297294E+09	1,176550E+09	9,664857E+08
2111	7,196359E+08	5,021508E+08	3,760570E+08	3,760583E+08	5,021535E+08	7,196367E+08	9,664861E+08	1,176552E+09	1,297298E+09	1,297298E+09	1,176547E+09	9,664669E+08
2112	7,196019E+08	5,021148E+08	3,760265E+08	3,760257E+08	5,021139E+08	7,196000E+08	9,664564E+08	1,176530E+09	1,297289E+09	1,297307E+09	1,176574E+09	9,664979E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2113	7,196208E+08	5,021206E+08	3,760235E+08	3,760201E+08	5,021154E+08	7,196183E+08	9,664926E+08	1,176565E+09	1,297306E+09	1,297309E+09	1,176571E+09	9,665022E+08
2114	7,196284E+08	5,021161E+08	3,760115E+08	3,760158E+08	5,021215E+08	7,196231E+08	9,664951E+08	1,176571E+09	1,297314E+09	1,297305E+09	1,176549E+09	9,664668E+08
2115	7,195935E+08	5,020888E+08	3,759848E+08	3,759805E+08	5,020811E+08	7,195903E+08	9,664743E+08	1,176566E+09	1,297324E+09	1,297327E+09	1,176575E+09	9,664899E+08
2116	7,196126E+08	5,021077E+08	3,759999E+08	3,759930E+08	5,020973E+08	7,196169E+08	9,665074E+08	1,176595E+09	1,297342E+09	1,297333E+09	1,176573E+09	9,664815E+08
2117	7,195958E+08	5,020851E+08	3,759856E+08	3,759904E+08	5,020931E+08	7,195970E+08	9,664801E+08	1,176579E+09	1,297346E+09	1,297340E+09	1,176569E+09	9,664687E+08
2118	7,195819E+08	5,020723E+08	3,759720E+08	3,759747E+08	5,020807E+08	7,195920E+08	9,664774E+08	1,176570E+09	1,297332E+09	1,297342E+09	1,176590E+09	9,664993E+08
2119	7,196152E+08	5,021036E+08	3,759975E+08	3,760007E+08	5,021149E+08	7,196289E+08	9,665031E+08	1,176578E+09	1,297321E+09	1,297317E+09	1,176566E+09	9,664799E+08
2120	7,195971E+08	5,020903E+08	3,759926E+08	3,759944E+08	5,020942E+08	7,195988E+08	9,664744E+08	1,176555E+09	1,297305E+09	1,297307E+09	1,176565E+09	9,664894E+08
2121	7,196134E+08	5,021124E+08	3,760159E+08	3,760128E+08	5,021045E+08	7,196036E+08	9,664821E+08	1,176563E+09	1,297304E+09	1,297298E+09	1,176555E+09	9,664943E+08
2122	7,196389E+08	5,021436E+08	3,760461E+08	3,760485E+08	5,021451E+08	7,196308E+08	9,664839E+08	1,176546E+09	1,297282E+09	1,297272E+09	1,176520E+09	9,664508E+08
2123	7,196043E+08	5,021311E+08	3,760491E+08	3,760492E+08	5,021335E+08	7,196080E+08	9,664496E+08	1,176510E+09	1,297256E+09	1,297266E+09	1,176533E+09	9,664733E+08
2124	7,196313E+08	5,021646E+08	3,760838E+08	3,760812E+08	5,021651E+08	7,196436E+08	9,664821E+08	1,176523E+09	1,297245E+09	1,297244E+09	1,176519E+09	9,664753E+08
2125	7,196382E+08	5,021672E+08	3,760917E+08	3,761007E+08	5,021857E+08	7,196491E+08	9,664761E+08	1,176519E+09	1,297244E+09	1,297230E+09	1,176491E+09	9,664453E+08
2126	7,196183E+08	5,021581E+08	3,760846E+08	3,760862E+08	5,021643E+08	7,196294E+08	9,664629E+08	1,176510E+09	1,297238E+09	1,297238E+09	1,176513E+09	9,664752E+08
2127	7,196518E+08	5,021911E+08	3,761118E+08	3,761099E+08	5,021909E+08	7,196596E+08	9,664887E+08	1,176525E+09	1,297242E+09	1,297230E+09	1,176499E+09	9,664589E+08
2128	7,196333E+08	5,021740E+08	3,761022E+08	3,761031E+08	5,021727E+08	7,196269E+08	9,664565E+08	1,176508E+09	1,297242E+09	1,297243E+09	1,176512E+09	9,664630E+08
2129	7,196292E+08	5,021682E+08	3,760939E+08	3,760906E+08	5,021601E+08	7,196165E+08	9,664491E+08	1,176506E+09	1,297249E+09	1,297258E+09	1,176533E+09	9,664881E+08
2130	7,196546E+08	5,021837E+08	3,760994E+08	3,761000E+08	5,021875E+08	7,196559E+08	9,664763E+08	1,176509E+09	1,297236E+09	1,297240E+09	1,176510E+09	9,664565E+08
2131	7,196165E+08	5,021478E+08	3,760699E+08	3,760685E+08	5,021475E+08	7,196195E+08	9,664558E+08	1,176503E+09	1,297238E+09	1,297249E+09	1,176527E+09	9,664763E+08
2132	7,196308E+08	5,021529E+08	3,760651E+08	3,760596E+08	5,021427E+08	7,196274E+08	9,664829E+08	1,176540E+09	1,297264E+09	1,297256E+09	1,176527E+09	9,664829E+08
2133	7,196386E+08	5,021493E+08	3,760565E+08	3,760596E+08	5,021526E+08	7,196322E+08	9,664824E+08	1,176553E+09	1,297292E+09	1,297270E+09	1,176510E+09	9,664413E+08
2134	7,195943E+08	5,021148E+08	3,760264E+08	3,760237E+08	5,021125E+08	7,195995E+08	9,664602E+08	1,176540E+09	1,297296E+09	1,297301E+09	1,176553E+09	9,664763E+08
2135	7,196148E+08	5,021288E+08	3,760385E+08	3,760374E+08	5,021329E+08	7,196297E+08	9,664894E+08	1,176553E+09	1,297292E+09	1,297291E+09	1,176548E+09	9,664757E+08
2136	7,196083E+08	5,021150E+08	3,760280E+08	3,760338E+08	5,021276E+08	7,196163E+08	9,664766E+08	1,176547E+09	1,297291E+09	1,297291E+09	1,176547E+09	9,664697E+08
2137	7,195999E+08	5,021064E+08	3,760171E+08	3,760188E+08	5,021109E+08	7,196005E+08	9,664647E+08	1,176542E+09	1,297291E+09	1,297297E+09	1,176561E+09	9,664974E+08
2138	7,196402E+08	5,021461E+08	3,760472E+08	3,760457E+08	5,021471E+08	7,196434E+08	9,664928E+08	1,176544E+09	1,297272E+09	1,297263E+09	1,176521E+09	9,664616E+08
2139	7,196138E+08	5,021343E+08	3,760493E+08	3,760475E+08	5,021307E+08	7,196114E+08	9,664617E+08	1,176523E+09	1,297261E+09	1,297259E+09	1,176521E+09	9,664651E+08
2140	7,196239E+08	5,021532E+08	3,760723E+08	3,760686E+08	5,021433E+08	7,196120E+08	9,664581E+08	1,176518E+09	1,297250E+09	1,297247E+09	1,176520E+09	9,664804E+08
2141	7,196517E+08	5,021821E+08	3,761018E+08	3,761069E+08	5,021914E+08	7,196482E+08	9,664647E+08	1,176508E+09	1,297237E+09	1,297224E+09	1,176482E+09	9,664341E+08
2142	7,196123E+08	5,021629E+08	3,760978E+08	3,761014E+08	5,021760E+08	7,196310E+08	9,664456E+08	1,176478E+09	1,297207E+09	1,297219E+09	1,176501E+09	9,664638E+08
2143	7,196431E+08	5,021944E+08	3,761287E+08	3,761295E+08	5,022022E+08	7,196603E+08	9,664748E+08	1,176490E+09	1,297192E+09	1,297187E+09	1,176479E+09	9,664634E+08
2144	7,196558E+08	5,022064E+08	3,761410E+08	3,761466E+08	5,022169E+08	7,196613E+08	9,664694E+08	1,176494E+09	1,297201E+09	1,297185E+09	1,176461E+09	9,664361E+08
2145	7,196342E+08	5,021974E+08	3,761358E+08	3,761338E+08	5,021926E+08	7,196297E+08	9,664393E+08	1,176477E+09	1,297205E+09	1,297208E+09	1,176490E+09	9,664685E+08
2146	7,196695E+08	5,022302E+08	3,761616E+08	3,761570E+08	5,022242E+08	7,196695E+08	9,664658E+08	1,176477E+09	1,297188E+09	1,297185E+09	1,176467E+09	9,664452E+08
2147	7,196443E+08	5,022084E+08	3,761506E+08	3,761525E+08	5,022113E+08	7,196439E+08	9,664427E+08	1,176466E+09	1,297188E+09	1,297194E+09	1,176477E+09	9,664491E+08
2148	7,196403E+08	5,021990E+08	3,761364E+08	3,761349E+08	5,021947E+08	7,196322E+08	9,664384E+08	1,176467E+09	1,297191E+09	1,297202E+09	1,176498E+09	9,664801E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2149	7,196697E+08	5,022149E+08	3,761402E+08	3,761417E+08	5,022196E+08	7,196700E+08	9,664713E+08	1,176492E+09	1,297205E+09	1,297193E+09	1,176467E+09	9,664363E+08
2150	7,196230E+08	5,021746E+08	3,761073E+08	3,761059E+08	5,021749E+08	7,196330E+08	9,664550E+08	1,176491E+09	1,297216E+09	1,297218E+09	1,176495E+09	9,664581E+08
2151	7,196343E+08	5,021757E+08	3,761017E+08	3,760980E+08	5,021687E+08	7,196341E+08	9,664700E+08	1,176512E+09	1,297230E+09	1,297222E+09	1,176497E+09	9,664663E+08
2152	7,196451E+08	5,021778E+08	3,760975E+08	3,761007E+08	5,021815E+08	7,196414E+08	9,664700E+08	1,176523E+09	1,297254E+09	1,297240E+09	1,176494E+09	9,664365E+08
2153	7,196035E+08	5,021424E+08	3,760672E+08	3,760663E+08	5,021429E+08	7,196066E+08	9,664391E+08	1,176502E+09	1,297256E+09	1,297270E+09	1,176538E+09	9,664788E+08
2154	7,196342E+08	5,021615E+08	3,760793E+08	3,760774E+08	5,021648E+08	7,196484E+08	9,664806E+08	1,176512E+09	1,297233E+09	1,297236E+09	1,176513E+09	9,664680E+08
2155	7,196275E+08	5,021530E+08	3,760753E+08	3,760794E+08	5,021606E+08	7,196315E+08	9,664717E+08	1,176520E+09	1,297243E+09	1,297234E+09	1,176501E+09	9,664529E+08
2156	7,196179E+08	5,021478E+08	3,760681E+08	3,760671E+08	5,021421E+08	7,196061E+08	9,664449E+08	1,176505E+09	1,297241E+09	1,297242E+09	1,176517E+09	9,664810E+08
2157	7,196570E+08	5,021894E+08	3,761041E+08	3,761011E+08	5,021842E+08	7,196502E+08	9,664711E+08	1,176512E+09	1,297235E+09	1,297218E+09	1,176478E+09	9,664359E+08
2158	7,196191E+08	5,021702E+08	3,761036E+08	3,761047E+08	5,021739E+08	7,196274E+08	9,664455E+08	1,176484E+09	1,297215E+09	1,297218E+09	1,176489E+09	9,664475E+08
2159	7,196283E+08	5,021825E+08	3,761218E+08	3,761240E+08	5,021883E+08	7,196331E+08	9,664438E+08	1,176470E+09	1,297187E+09	1,297191E+09	1,176483E+09	9,664678E+08
2160	7,196648E+08	5,022181E+08	3,761524E+08	3,761596E+08	5,022339E+08	7,196740E+08	9,664656E+08	1,176476E+09	1,297180E+09	1,297170E+09	1,176452E+09	9,664285E+08
2161	7,196297E+08	5,022002E+08	3,761471E+08	3,761507E+08	5,022104E+08	7,196426E+08	9,664360E+08	1,176453E+09	1,297170E+09	1,297177E+09	1,176471E+09	9,664587E+08
2162	7,196654E+08	5,022356E+08	3,761776E+08	3,761747E+08	5,022347E+08	7,196755E+08	9,664654E+08	1,176459E+09	1,297149E+09	1,297141E+09	1,176441E+09	9,664475E+08
2163	7,196712E+08	5,022480E+08	3,761950E+08	3,761976E+08	5,022506E+08	7,196706E+08	9,664554E+08	1,176462E+09	1,297160E+09	1,297145E+09	1,176425E+09	9,664186E+08
2164	7,196458E+08	5,022341E+08	3,761859E+08	3,761839E+08	5,022263E+08	7,196338E+08	9,664114E+08	1,176429E+09	1,297153E+09	1,297165E+09	1,176463E+09	9,664614E+08
2165	7,196837E+08	5,022649E+08	3,762094E+08	3,762066E+08	5,022621E+08	7,196821E+08	9,664476E+08	1,176440E+09	1,297142E+09	1,297138E+09	1,176433E+09	9,664320E+08
2166	7,196532E+08	5,022365E+08	3,761909E+08	3,761957E+08	5,022464E+08	7,196635E+08	9,664394E+08	1,176436E+09	1,297139E+09	1,297145E+09	1,176444E+09	9,664372E+08
2167	7,196495E+08	5,022243E+08	3,761731E+08	3,761738E+08	5,022237E+08	7,196452E+08	9,664327E+08	1,176440E+09	1,297143E+09	1,297146E+09	1,176453E+09	9,664624E+08
2168	7,196816E+08	5,022475E+08	3,761813E+08	3,761804E+08	5,022458E+08	7,196808E+08	9,664670E+08	1,176471E+09	1,297169E+09	1,297155E+09	1,176437E+09	9,664206E+08
2169	7,196308E+08	5,022049E+08	3,761492E+08	3,761467E+08	5,021998E+08	7,196340E+08	9,664368E+08	1,176465E+09	1,297191E+09	1,297195E+09	1,176475E+09	9,664476E+08
2170	7,196438E+08	5,022052E+08	3,761418E+08	3,761382E+08	5,021997E+08	7,196473E+08	9,664546E+08	1,176473E+09	1,297185E+09	1,297185E+09	1,176471E+09	9,664532E+08
2171	7,196520E+08	5,022071E+08	3,761404E+08	3,761452E+08	5,022159E+08	7,196582E+08	9,664625E+08	1,176490E+09	1,297209E+09	1,297200E+09	1,176465E+09	9,664268E+08
2172	7,196163E+08	5,021730E+08	3,761083E+08	3,761090E+08	5,021747E+08	7,196189E+08	9,664278E+08	1,176467E+09	1,297206E+09	1,297222E+09	1,176508E+09	9,664750E+08
2173	7,196545E+08	5,021988E+08	3,761249E+08	3,761222E+08	5,021961E+08	7,196571E+08	9,664696E+08	1,176491E+09	1,297200E+09	1,297190E+09	1,176473E+09	9,664512E+08
2174	7,196403E+08	5,021885E+08	3,761215E+08	3,761250E+08	5,021929E+08	7,196435E+08	9,664620E+08	1,176493E+09	1,297207E+09	1,297197E+09	1,176468E+09	9,664369E+08
2175	7,196268E+08	5,021809E+08	3,761171E+08	3,761176E+08	5,021766E+08	7,196143E+08	9,664257E+08	1,176463E+09	1,297189E+09	1,297194E+09	1,176481E+09	9,664648E+08
2176	7,196681E+08	5,022270E+08	3,761570E+08	3,761552E+08	5,022240E+08	7,196645E+08	9,664549E+08	1,176467E+09	1,297179E+09	1,297174E+09	1,176454E+09	9,664276E+08
2177	7,196311E+08	5,022055E+08	3,761549E+08	3,761592E+08	5,022157E+08	7,196442E+08	9,664301E+08	1,176441E+09	1,297162E+09	1,297173E+09	1,176463E+09	9,664436E+08
2178	7,196479E+08	5,022210E+08	3,761703E+08	3,761727E+08	5,022288E+08	7,196589E+08	9,664403E+08	1,176430E+09	1,297123E+09	1,297127E+09	1,176438E+09	9,664519E+08
2179	7,196810E+08	5,022595E+08	3,762052E+08	3,762107E+08	5,022708E+08	7,196913E+08	9,664636E+08	1,176452E+09	1,297135E+09	1,297113E+09	1,176402E+09	9,664089E+08
2180	7,196470E+08	5,022428E+08	3,762006E+08	3,762018E+08	5,022437E+08	7,196489E+08	9,664174E+08	1,176419E+09	1,297127E+09	1,297129E+09	1,176432E+09	9,664437E+08
2181	7,196820E+08	5,022783E+08	3,762331E+08	3,762283E+08	5,022690E+08	7,196777E+08	9,664424E+08	1,176427E+09	1,297113E+09	1,297102E+09	1,176405E+09	9,664271E+08
2182	7,196774E+08	5,022816E+08	3,762447E+08	3,762497E+08	5,022897E+08	7,196835E+08	9,664378E+08	1,176422E+09	1,297114E+09	1,297107E+09	1,176401E+09	9,664080E+08
2183	7,196518E+08	5,022615E+08	3,762302E+08	3,762321E+08	5,022641E+08	7,196500E+08	9,663965E+08	1,176382E+09	1,297090E+09	1,297109E+09	1,176430E+09	9,664522E+08
2184	7,196968E+08	5,022968E+08	3,762523E+08	3,762504E+08	5,022960E+08	7,197004E+08	9,664457E+08	1,176408E+09	1,297089E+09	1,297090E+09	1,176405E+09	9,664243E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2185	7,196671E+08	5,022681E+08	3,762315E+08	3,762359E+08	5,022750E+08	7,196732E+08	9,664319E+08	1,176415E+09	1,297109E+09	1,297108E+09	1,176413E+09	9,664273E+08
2186	7,196648E+08	5,022578E+08	3,762122E+08	3,762096E+08	5,022507E+08	7,196590E+08	9,664262E+08	1,176415E+09	1,297107E+09	1,297106E+09	1,176417E+09	9,664416E+08
2187	7,196879E+08	5,022797E+08	3,762254E+08	3,762231E+08	5,022743E+08	7,196889E+08	9,664581E+08	1,176449E+09	1,297140E+09	1,297123E+09	1,176406E+09	9,664049E+08
2188	7,196385E+08	5,022338E+08	3,761905E+08	3,761899E+08	5,022308E+08	7,196388E+08	9,664144E+08	1,176427E+09	1,297150E+09	1,297163E+09	1,176456E+09	9,664442E+08
2189	7,196562E+08	5,022346E+08	3,761827E+08	3,761812E+08	5,022325E+08	7,196580E+08	9,664418E+08	1,176443E+09	1,297145E+09	1,297146E+09	1,176446E+09	9,664446E+08
2190	7,196618E+08	5,022344E+08	3,761787E+08	3,761856E+08	5,022479E+08	7,196750E+08	9,664598E+08	1,176463E+09	1,297163E+09	1,297155E+09	1,176437E+09	9,664192E+08
2191	7,196280E+08	5,022026E+08	3,761490E+08	3,761499E+08	5,022033E+08	7,196284E+08	9,664166E+08	1,176433E+09	1,297154E+09	1,297165E+09	1,176466E+09	9,664607E+08
2192	7,196710E+08	5,022385E+08	3,761743E+08	3,761687E+08	5,022273E+08	7,196654E+08	9,664558E+08	1,176456E+09	1,297154E+09	1,297149E+09	1,176442E+09	9,664366E+08
2193	7,196529E+08	5,022270E+08	3,761734E+08	3,761767E+08	5,022279E+08	7,196485E+08	9,664384E+08	1,176453E+09	1,297163E+09	1,297158E+09	1,176439E+09	9,664247E+08
2194	7,196399E+08	5,022185E+08	3,761673E+08	3,761691E+08	5,022193E+08	7,196352E+08	9,664112E+08	1,176416E+09	1,297128E+09	1,297138E+09	1,176442E+09	9,664467E+08
2195	7,196768E+08	5,022636E+08	3,762101E+08	3,762106E+08	5,022685E+08	7,196890E+08	9,664534E+08	1,176434E+09	1,297122E+09	1,297114E+09	1,176409E+09	9,664125E+08
2196	7,196455E+08	5,022418E+08	3,762044E+08	3,762107E+08	5,022551E+08	7,196607E+08	9,664233E+08	1,176410E+09	1,297111E+09	1,297117E+09	1,176423E+09	9,664327E+08
2197	7,196663E+08	5,022620E+08	3,762218E+08	3,762229E+08	5,022642E+08	7,196703E+08	9,664345E+08	1,176414E+09	1,297092E+09	1,297082E+09	1,176396E+09	9,664315E+08
2198	7,196911E+08	5,022970E+08	3,762559E+08	3,762601E+08	5,023052E+08	7,197028E+08	9,664534E+08	1,176426E+09	1,297101E+09	1,297080E+09	1,176374E+09	9,663938E+08
2199	7,196549E+08	5,022774E+08	3,762518E+08	3,762531E+08	5,022776E+08	7,196536E+08	9,663937E+08	1,176375E+09	1,297076E+09	1,297086E+09	1,176403E+09	9,664331E+08
2200	7,196956E+08	5,023161E+08	3,762850E+08	3,762810E+08	5,023074E+08	7,196875E+08	9,664194E+08	1,176377E+09	1,297058E+09	1,297062E+09	1,176387E+09	9,664239E+08
2201	7,196920E+08	5,023157E+08	3,762915E+08	3,762983E+08	5,023270E+08	7,196966E+08	9,664204E+08	1,176377E+09	1,297059E+09	1,297061E+09	1,176377E+09	9,664073E+08
2202	7,196719E+08	5,022972E+08	3,762727E+08	3,762737E+08	5,022993E+08	7,196718E+08	9,663931E+08	1,176346E+09	1,297028E+09	1,297044E+09	1,176385E+09	9,664361E+08
2203	7,197103E+08	5,023332E+08	3,762985E+08	3,762940E+08	5,023267E+08	7,197140E+08	9,664448E+08	1,176390E+09	1,297049E+09	1,297035E+09	1,176356E+09	9,664036E+08
2204	7,196790E+08	5,023024E+08	3,762761E+08	3,762789E+08	5,023039E+08	7,196783E+08	9,664174E+08	1,176389E+09	1,297075E+09	1,297071E+09	1,176379E+09	9,664099E+08
2205	7,196736E+08	5,022908E+08	3,762573E+08	3,762541E+08	5,022811E+08	7,196636E+08	9,664118E+08	1,176394E+09	1,297081E+09	1,297076E+09	1,176389E+09	9,664213E+08
2206	7,196868E+08	5,023028E+08	3,762642E+08	3,762656E+08	5,023093E+08	7,197040E+08	9,664479E+08	1,176419E+09	1,297104E+09	1,297095E+09	1,176390E+09	9,663977E+08
2207	7,196417E+08	5,022551E+08	3,762268E+08	3,762297E+08	5,022626E+08	7,196532E+08	9,664051E+08	1,176390E+09	1,297098E+09	1,297116E+09	1,176431E+09	9,664409E+08
2208	7,196711E+08	5,022643E+08	3,762214E+08	3,762199E+08	5,022609E+08	7,196686E+08	9,664348E+08	1,176413E+09	1,297100E+09	1,297106E+09	1,176423E+09	9,664418E+08
2209	7,196790E+08	5,022677E+08	3,762195E+08	3,762242E+08	5,022738E+08	7,196804E+08	9,664470E+08	1,176437E+09	1,297129E+09	1,297118E+09	1,176410E+09	9,664137E+08
2210	7,196474E+08	5,022410E+08	3,761937E+08	3,761906E+08	5,022335E+08	7,196403E+08	9,664032E+08	1,176396E+09	1,297103E+09	1,297114E+09	1,176425E+09	9,664404E+08
2211	7,196804E+08	5,022765E+08	3,762264E+08	3,762194E+08	5,022622E+08	7,196742E+08	9,664412E+08	1,176422E+09	1,297107E+09	1,297099E+09	1,176401E+09	9,664196E+08
2212	7,196640E+08	5,022626E+08	3,762240E+08	3,762300E+08	5,022697E+08	7,196614E+08	9,664180E+08	1,176408E+09	1,297109E+09	1,297108E+09	1,176406E+09	9,664145E+08
2213	7,196539E+08	5,022554E+08	3,762181E+08	3,762215E+08	5,022605E+08	7,196530E+08	9,664046E+08	1,176386E+09	1,297078E+09	1,297083E+09	1,176401E+09	9,664287E+08
2214	7,196846E+08	5,022959E+08	3,762574E+08	3,762600E+08	5,023080E+08	7,197101E+08	9,664543E+08	1,176411E+09	1,297077E+09	1,297063E+09	1,176372E+09	9,663980E+08
2215	7,196559E+08	5,022772E+08	3,762543E+08	3,762595E+08	5,022889E+08	7,196706E+08	9,664111E+08	1,176379E+09	1,297063E+09	1,297063E+09	1,176381E+09	9,664165E+08
2216	7,196819E+08	5,023043E+08	3,762772E+08	3,762751E+08	5,022982E+08	7,196758E+08	9,664142E+08	1,176375E+09	1,297050E+09	1,297048E+09	1,176371E+09	9,664194E+08
2217	7,197042E+08	5,023367E+08	3,763106E+08	3,763139E+08	5,023417E+08	7,197076E+08	9,664267E+08	1,176381E+09	1,297056E+09	1,297045E+09	1,176353E+09	9,663892E+08
2218	7,196717E+08	5,023167E+08	3,763032E+08	3,763047E+08	5,023206E+08	7,196734E+08	9,663752E+08	1,176321E+09	1,297008E+09	1,297028E+09	1,176367E+09	9,664219E+08
2219	7,197091E+08	5,023537E+08	3,763370E+08	3,763340E+08	5,023493E+08	7,197083E+08	9,664139E+08	1,176341E+09	1,296998E+09	1,296999E+09	1,176343E+09	9,664140E+08
2220	7,197104E+08	5,023518E+08	3,763382E+08	3,763460E+08	5,023644E+08	7,197120E+08	9,664124E+08	1,176347E+09	1,297009E+09	1,297005E+09	1,176336E+09	9,663956E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2221	7,196889E+08	5,023346E+08	3,763191E+08	3,763180E+08	5,023310E+08	7,196835E+08	9,663913E+08	1,176335E+09	1,297000E+09	1,297001E+09	1,176343E+09	9,664117E+08
2222	7,197130E+08	5,023618E+08	3,763411E+08	3,763364E+08	5,023575E+08	7,197266E+08	9,664414E+08	1,176374E+09	1,297024E+09	1,297007E+09	1,176330E+09	9,663861E+08
2223	7,196791E+08	5,023271E+08	3,763169E+08	3,763202E+08	5,023321E+08	7,196836E+08	9,664004E+08	1,176358E+09	1,297038E+09	1,297038E+09	1,176357E+09	9,664005E+08
2224	7,196812E+08	5,023179E+08	3,762974E+08	3,762955E+08	5,023130E+08	7,196739E+08	9,663948E+08	1,176354E+09	1,297040E+09	1,297052E+09	1,176379E+09	9,664216E+08
2225	7,196989E+08	5,023287E+08	3,763004E+08	3,763024E+08	5,023377E+08	7,197140E+08	9,664338E+08	1,176383E+09	1,297058E+09	1,297057E+09	1,176373E+09	9,664015E+08
2226	7,196623E+08	5,022868E+08	3,762629E+08	3,762636E+08	5,022904E+08	7,196677E+08	9,663973E+08	1,176357E+09	1,297042E+09	1,297056E+09	1,176390E+09	9,664293E+08
2227	7,196877E+08	5,023016E+08	3,762672E+08	3,762618E+08	5,022886E+08	7,196751E+08	9,664239E+08	1,176388E+09	1,297057E+09	1,297050E+09	1,176375E+09	9,664255E+08
2228	7,196950E+08	5,023052E+08	3,762678E+08	3,762701E+08	5,023040E+08	7,196822E+08	9,664236E+08	1,176400E+09	1,297085E+09	1,297073E+09	1,176373E+09	9,663966E+08
2229	7,196589E+08	5,022788E+08	3,762459E+08	3,762421E+08	5,022701E+08	7,196491E+08	9,663885E+08	1,176367E+09	1,297061E+09	1,297070E+09	1,176387E+09	9,664161E+08
2230	7,196799E+08	5,023048E+08	3,762741E+08	3,762713E+08	5,023059E+08	7,196966E+08	9,664344E+08	1,176388E+09	1,297059E+09	1,297054E+09	1,176371E+09	9,664044E+08
2231	7,196670E+08	5,022902E+08	3,762700E+08	3,762788E+08	5,023096E+08	7,196821E+08	9,664127E+08	1,176374E+09	1,297054E+09	1,297052E+09	1,176369E+09	9,664029E+08
2232	7,196677E+08	5,022904E+08	3,762661E+08	3,762697E+08	5,022975E+08	7,196696E+08	9,663987E+08	1,176358E+09	1,297037E+09	1,297044E+09	1,176373E+09	9,664203E+08
2233	7,197007E+08	5,023325E+08	3,763052E+08	3,763058E+08	5,023399E+08	7,197187E+08	9,664406E+08	1,176384E+09	1,297043E+09	1,297029E+09	1,176346E+09	9,663932E+08
2234	7,196765E+08	5,023190E+08	3,763054E+08	3,763074E+08	5,023238E+08	7,196816E+08	9,663933E+08	1,176339E+09	1,297012E+09	1,297015E+09	1,176347E+09	9,664038E+08
2235	7,196971E+08	5,023470E+08	3,763351E+08	3,763316E+08	5,023368E+08	7,196829E+08	9,663916E+08	1,176333E+09	1,296997E+09	1,296997E+09	1,176337E+09	9,664127E+08
2236	7,197227E+08	5,023761E+08	3,763647E+08	3,763694E+08	5,023842E+08	7,197202E+08	9,664022E+08	1,176329E+09	1,296993E+09	1,296992E+09	1,176322E+09	9,663848E+08
2237	7,196919E+08	5,023574E+08	3,763563E+08	3,763576E+08	5,023613E+08	7,196929E+08	9,663713E+08	1,176290E+09	1,296949E+09	1,296964E+09	1,176321E+09	9,664033E+08
2238	7,197188E+08	5,023868E+08	3,763835E+08	3,763814E+08	5,023874E+08	7,197297E+08	9,664159E+08	1,176321E+09	1,296953E+09	1,296943E+09	1,176298E+09	9,663942E+08
2239	7,197181E+08	5,023846E+08	3,763843E+08	3,763900E+08	5,023957E+08	7,197233E+08	9,664034E+08	1,176323E+09	1,296970E+09	1,296955E+09	1,176291E+09	9,663744E+08
2240	7,196981E+08	5,023687E+08	3,763662E+08	3,763630E+08	5,023611E+08	7,196894E+08	9,663745E+08	1,176304E+09	1,296971E+09	1,296978E+09	1,176320E+09	9,663964E+08
2241	7,197175E+08	5,023885E+08	3,763824E+08	3,763785E+08	5,023875E+08	7,197324E+08	9,664219E+08	1,176341E+09	1,296992E+09	1,296984E+09	1,176317E+09	9,663839E+08
2242	7,196906E+08	5,023547E+08	3,763547E+08	3,763590E+08	5,023654E+08	7,196998E+08	9,663865E+08	1,176317E+09	1,296985E+09	1,296992E+09	1,176331E+09	9,663939E+08
2243	7,196926E+08	5,023467E+08	3,763376E+08	3,763355E+08	5,023423E+08	7,196857E+08	9,663872E+08	1,176326E+09	1,296993E+09	1,297000E+09	1,176345E+09	9,664185E+08
2244	7,197185E+08	5,023603E+08	3,763396E+08	3,763403E+08	5,023645E+08	7,197206E+08	9,664201E+08	1,176354E+09	1,297017E+09	1,297012E+09	1,176339E+09	9,663944E+08
2245	7,196821E+08	5,023244E+08	3,763077E+08	3,763041E+08	5,023166E+08	7,196743E+08	9,663892E+08	1,176338E+09	1,297008E+09	1,297011E+09	1,176347E+09	9,664059E+08
2246	7,196928E+08	5,023323E+08	3,763123E+08	3,763068E+08	5,023210E+08	7,196861E+08	9,664128E+08	1,176362E+09	1,297022E+09	1,297013E+09	1,176344E+09	9,664061E+08
2247	7,196971E+08	5,023341E+08	3,763142E+08	3,763178E+08	5,023396E+08	7,196921E+08	9,664036E+08	1,176360E+09	1,297035E+09	1,297027E+09	1,176341E+09	9,663831E+08
2248	7,196670E+08	5,023094E+08	3,762927E+08	3,762920E+08	5,023107E+08	7,196670E+08	9,663734E+08	1,176324E+09	1,297014E+09	1,297035E+09	1,176365E+09	9,664084E+08
2249	7,196897E+08	5,023327E+08	3,763166E+08	3,763162E+08	5,023421E+08	7,197154E+08	9,664289E+08	1,176358E+09	1,297012E+09	1,297009E+09	1,176344E+09	9,664015E+08
2250	7,196863E+08	5,023262E+08	3,763140E+08	3,763217E+08	5,023442E+08	7,197006E+08	9,664074E+08	1,176344E+09	1,297001E+09	1,296992E+09	1,176324E+09	9,663880E+08
2251	7,196846E+08	5,023326E+08	3,763203E+08	3,763201E+08	5,023306E+08	7,196779E+08	9,663859E+08	1,176331E+09	1,296995E+09	1,296991E+09	1,176329E+09	9,664076E+08
2252	7,197211E+08	5,023758E+08	3,763614E+08	3,763596E+08	5,023755E+08	7,197224E+08	9,664131E+08	1,176340E+09	1,296996E+09	1,296985E+09	1,176314E+09	9,663825E+08
2253	7,196952E+08	5,023635E+08	3,763645E+08	3,763657E+08	5,023649E+08	7,196930E+08	9,663758E+08	1,176300E+09	1,296959E+09	1,296963E+09	1,176308E+09	9,663859E+08
2254	7,197052E+08	5,023825E+08	3,763891E+08	3,763891E+08	5,023841E+08	7,197066E+08	9,663819E+08	1,176292E+09	1,296939E+09	1,296943E+09	1,176302E+09	9,663998E+08
2255	7,197319E+08	5,024097E+08	3,764148E+08	3,764204E+08	5,024239E+08	7,197394E+08	9,663945E+08	1,176292E+09	1,296933E+09	1,296928E+09	1,176278E+09	9,663710E+08
2256	7,197074E+08	5,023946E+08	3,764057E+08	3,764066E+08	5,023983E+08	7,197101E+08	9,663650E+08	1,176263E+09	1,296913E+09	1,296925E+09	1,176287E+09	9,663873E+08

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2257	7,197296E+08	5,024196E+08	3,764278E+08	3,764239E+08	5,024171E+08	7,197399E+08	9,664060E+08	1,176298E+09	1,296925E+09	1,296912E+09	1,176270E+09	9,663816E+08
2258	7,197302E+08	5,024180E+08	3,764271E+08	3,764311E+08	5,024254E+08	7,197328E+08	9,663888E+08	1,176291E+09	1,296930E+09	1,296917E+09	1,176261E+09	9,663592E+08
2259	7,197062E+08	5,024007E+08	3,764124E+08	3,764092E+08	5,023929E+08	7,196963E+08	9,663562E+08	1,176272E+09	1,296932E+09	1,296940E+09	1,176296E+09	9,663937E+08
2260	7,197324E+08	5,024172E+08	3,764226E+08	3,764204E+08	5,024189E+08	7,197411E+08	9,664001E+08	1,176297E+09	1,296943E+09	1,296945E+09	1,176297E+09	9,663856E+08
2261	7,197104E+08	5,023876E+08	3,763959E+08	3,763990E+08	5,023934E+08	7,197122E+08	9,663834E+08	1,176291E+09	1,296936E+09	1,296940E+09	1,176294E+09	9,663814E+08
2262	7,197038E+08	5,023760E+08	3,763773E+08	3,763752E+08	5,023716E+08	7,196987E+08	9,663814E+08	1,176302E+09	1,296953E+09	1,296952E+09	1,176307E+09	9,664014E+08
2263	7,197268E+08	5,023917E+08	3,763824E+08	3,763800E+08	5,023898E+08	7,197251E+08	9,664028E+08	1,176322E+09	1,296976E+09	1,296965E+09	1,176298E+09	9,663739E+08
2264	7,196912E+08	5,023581E+08	3,763547E+08	3,763507E+08	5,023491E+08	7,196826E+08	9,663693E+08	1,176300E+09	1,296973E+09	1,296984E+09	1,176320E+09	9,663876E+08
2265	7,196962E+08	5,023590E+08	3,763545E+08	3,763519E+08	5,023565E+08	7,196999E+08	9,663973E+08	1,176326E+09	1,296982E+09	1,296979E+09	1,176322E+09	9,663982E+08
2266	7,197072E+08	5,023625E+08	3,763546E+08	3,763616E+08	5,023788E+08	7,197160E+08	9,663973E+08	1,176322E+09	1,296979E+09	1,296973E+09	1,176306E+09	9,663724E+08
2267	7,196793E+08	5,023414E+08	3,763381E+08	3,763389E+08	5,023462E+08	7,196849E+08	9,663721E+08	1,176301E+09	1,296969E+09	1,296979E+09	1,176327E+09	9,664032E+08
2268	7,197098E+08	5,023676E+08	3,763614E+08	3,763606E+08	5,023736E+08	7,197258E+08	9,664174E+08	1,176331E+09	1,296974E+09	1,296966E+09	1,176311E+09	9,663941E+08
2269	7,197084E+08	5,023695E+08	3,763668E+08	3,763699E+08	5,023742E+08	7,197094E+08	9,663998E+08	1,176321E+09	1,296964E+09	1,296949E+09	1,176285E+09	9,663677E+08
2270	7,196946E+08	5,023709E+08	3,763747E+08	3,763741E+08	5,023678E+08	7,196880E+08	9,663683E+08	1,176296E+09	1,296953E+09	1,296951E+09	1,176299E+09	9,663927E+08
2271	7,197308E+08	5,024141E+08	3,764169E+08	3,764151E+08	5,024150E+08	7,197317E+08	9,663863E+08	1,176289E+09	1,296938E+09	1,296933E+09	1,176280E+09	9,663727E+08
2272	7,197116E+08	5,024034E+08	3,764198E+08	3,764231E+08	5,024100E+08	7,197116E+08	9,663553E+08	1,176247E+09	1,296900E+09	1,296917E+09	1,176277E+09	9,663758E+08
2273	7,197198E+08	5,024174E+08	3,764371E+08	3,764384E+08	5,024229E+08	7,197265E+08	9,663754E+08	1,176258E+09	1,296884E+09	1,296886E+09	1,176265E+09	9,663910E+08
2274	7,197511E+08	5,024483E+08	3,764618E+08	3,764664E+08	5,024599E+08	7,197574E+08	9,663882E+08	1,176261E+09	1,296879E+09	1,296864E+09	1,176226E+09	9,663496E+08
2275	7,197201E+08	5,024340E+08	3,764580E+08	3,764563E+08	5,024303E+08	7,197184E+08	9,663530E+08	1,176238E+09	1,296875E+09	1,296876E+09	1,176245E+09	9,663708E+08
2276	7,197418E+08	5,024544E+08	3,764764E+08	3,764724E+08	5,024495E+08	7,197449E+08	9,663839E+08	1,176262E+09	1,296888E+09	1,296880E+09	1,176245E+09	9,663703E+08
2277	7,197423E+08	5,024533E+08	3,764758E+08	3,764795E+08	5,024595E+08	7,197447E+08	9,663776E+08	1,176259E+09	1,296887E+09	1,296878E+09	1,176233E+09	9,663445E+08
2278	7,197108E+08	5,024273E+08	3,764545E+08	3,764549E+08	5,024303E+08	7,197159E+08	9,663496E+08	1,176240E+09	1,296887E+09	1,296898E+09	1,176270E+09	9,663850E+08
2279	7,197417E+08	5,024448E+08	3,764615E+08	3,764594E+08	5,024473E+08	7,197527E+08	9,663905E+08	1,176266E+09	1,296894E+09	1,296894E+09	1,176263E+09	9,663772E+08
2280	7,197268E+08	5,024201E+08	3,764362E+08	3,764387E+08	5,024220E+08	7,197222E+08	9,663710E+08	1,176263E+09	1,296905E+09	1,296909E+09	1,176265E+09	9,663681E+08
2281	7,197141E+08	5,024049E+08	3,764152E+08	3,764118E+08	5,023969E+08	7,197068E+08	9,663708E+08	1,176277E+09	1,296921E+09	1,296921E+09	1,176282E+09	9,663905E+08
2282	7,197379E+08	5,024220E+08	3,764220E+08	3,764199E+08	5,024190E+08	7,197344E+08	9,663876E+08	1,176288E+09	1,296931E+09	1,296922E+09	1,176266E+09	9,663581E+08
2283	7,196982E+08	5,023885E+08	3,763996E+08	3,763979E+08	5,023841E+08	7,196952E+08	9,663556E+08	1,176267E+09	1,296929E+09	1,296939E+09	1,176292E+09	9,663817E+08
2284	7,197092E+08	5,023876E+08	3,763955E+08	3,763960E+08	5,023920E+08	7,197162E+08	9,663853E+08	1,176288E+09	1,296933E+09	1,296936E+09	1,176294E+09	9,663928E+08
2285	7,197253E+08	5,023979E+08	3,763992E+08	3,764050E+08	5,024098E+08	7,197336E+08	9,664016E+08	1,176302E+09	1,296933E+09	1,296918E+09	1,176263E+09	9,663554E+08
2286	7,196910E+08	5,023758E+08	3,763847E+08	3,763857E+08	5,023799E+08	7,196990E+08	9,663673E+08	1,176281E+09	1,296933E+09	1,296933E+09	1,176287E+09	9,663846E+08
2287	7,197214E+08	5,024065E+08	3,764125E+08	3,764080E+08	5,024021E+08	7,197275E+08	9,663946E+08	1,176293E+09	1,296930E+09	1,296920E+09	1,176273E+09	9,663773E+08
2288	7,197229E+08	5,024113E+08	3,764233E+08	3,764261E+08	5,024128E+08	7,197166E+08	9,663715E+08	1,176273E+09	1,296921E+09	1,296919E+09	1,176260E+09	9,663540E+08
2289	7,197047E+08	5,024069E+08	3,764271E+08	3,764289E+08	5,024101E+08	7,197038E+08	9,663475E+08	1,176246E+09	1,296896E+09	1,296906E+09	1,176273E+09	9,663867E+08
2290	7,197465E+08	5,024506E+08	3,764662E+08	3,764674E+08	5,024581E+08	7,197534E+08	9,663745E+08	1,176241E+09	1,296868E+09	1,296867E+09	1,176237E+09	9,663597E+08
2291	7,197275E+08	5,024428E+08	3,764728E+08	3,764774E+08	5,024512E+08	7,197318E+08	9,663522E+08	1,176219E+09	1,296846E+09	1,296850E+09	1,176230E+09	9,663651E+08
2292	7,197392E+08	5,024563E+08	3,764864E+08	3,764872E+08	5,024584E+08	7,197398E+08	9,663645E+08	1,176228E+09	1,296843E+09	1,296840E+09	1,176225E+09	9,663753E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2293	7,197679E+08	5,024903E+08	3,765146E+08	3,765152E+08	5,024909E+08	7,197692E+08	9,663856E+08	1,176240E+09	1,296842E+09	1,296821E+09	1,176187E+09	9,663267E+08
2294	7,197251E+08	5,024673E+08	3,765080E+08	3,765080E+08	5,024672E+08	7,197298E+08	9,663407E+08	1,176210E+09	1,296840E+09	1,296843E+09	1,176219E+09	9,663557E+08
2295	7,197467E+08	5,024844E+08	3,765215E+08	3,765187E+08	5,024829E+08	7,197534E+08	9,663623E+08	1,176219E+09	1,296840E+09	1,296841E+09	1,176222E+09	9,663647E+08
2296	7,197554E+08	5,024845E+08	3,765188E+08	3,765248E+08	5,024952E+08	7,197600E+08	9,663620E+08	1,176217E+09	1,296842E+09	1,296845E+09	1,176213E+09	9,663399E+08
2297	7,197240E+08	5,024552E+08	3,764907E+08	3,764914E+08	5,024583E+08	7,197295E+08	9,663439E+08	1,176211E+09	1,296842E+09	1,296854E+09	1,176242E+09	9,663805E+08
2298	7,197595E+08	5,024771E+08	3,764986E+08	3,764949E+08	5,024724E+08	7,197601E+08	9,663789E+08	1,176236E+09	1,296849E+09	1,296840E+09	1,176219E+09	9,663597E+08
2299	7,197393E+08	5,024553E+08	3,764812E+08	3,764817E+08	5,024492E+08	7,197266E+08	9,663562E+08	1,176235E+09	1,296866E+09	1,296862E+09	1,176228E+09	9,663542E+08
2300	7,197250E+08	5,024361E+08	3,764582E+08	3,764558E+08	5,024279E+08	7,197130E+08	9,663509E+08	1,176240E+09	1,296882E+09	1,296887E+09	1,176256E+09	9,663779E+08
2301	7,197474E+08	5,024544E+08	3,764673E+08	3,764655E+08	5,024526E+08	7,197514E+08	9,663849E+08	1,176258E+09	1,296884E+09	1,296876E+09	1,176233E+09	9,663410E+08
2302	7,197018E+08	5,024147E+08	3,764412E+08	3,764438E+08	5,024219E+08	7,197170E+08	9,663565E+08	1,176243E+09	1,296887E+09	1,296896E+09	1,176261E+09	9,663679E+08
2303	7,197172E+08	5,024170E+08	3,764360E+08	3,764369E+08	5,024219E+08	7,197284E+08	9,663787E+08	1,176263E+09	1,296892E+09	1,296890E+09	1,176260E+09	9,663817E+08
2304	7,197407E+08	5,024342E+08	3,764449E+08	3,764497E+08	5,024411E+08	7,197424E+08	9,663855E+08	1,176273E+09	1,296905E+09	1,296891E+09	1,176235E+09	9,663409E+08
2305	7,197023E+08	5,024102E+08	3,764304E+08	3,764300E+08	5,024097E+08	7,197059E+08	9,663508E+08	1,176248E+09	1,296896E+09	1,296900E+09	1,176264E+09	9,663766E+08
2306	7,197371E+08	5,024445E+08	3,764622E+08	3,764584E+08	5,024376E+08	7,197335E+08	9,663693E+08	1,176245E+09	1,296873E+09	1,296870E+09	1,176240E+09	9,663664E+08
2307	7,197373E+08	5,024511E+08	3,764785E+08	3,764834E+08	5,024557E+08	7,197303E+08	9,663500E+08	1,176223E+09	1,296857E+09	1,296859E+09	1,176227E+09	9,663513E+08
2308	7,197242E+08	5,024457E+08	3,764791E+08	3,764831E+08	5,024529E+08	7,197238E+08	9,663352E+08	1,176198E+09	1,296830E+09	1,296846E+09	1,176236E+09	9,663786E+08
2309	7,197679E+08	5,024943E+08	3,765206E+08	3,765196E+08	5,024954E+08	7,197748E+08	9,663796E+08	1,176214E+09	1,296809E+09	1,296797E+09	1,176182E+09	9,663357E+08
2310	7,197383E+08	5,024820E+08	3,765264E+08	3,765313E+08	5,024913E+08	7,197497E+08	9,663496E+08	1,176198E+09	1,296807E+09	1,296798E+09	1,176181E+09	9,663370E+08
2311	7,197462E+08	5,024948E+08	3,765388E+08	3,765376E+08	5,024922E+08	7,197474E+08	9,663474E+08	1,176196E+09	1,296804E+09	1,296798E+09	1,176187E+09	9,663539E+08
2312	7,197755E+08	5,025266E+08	3,765668E+08	3,765691E+08	5,025303E+08	7,197793E+08	9,663629E+08	1,176202E+09	1,296810E+09	1,296798E+09	1,176166E+09	9,663138E+08
2313	7,197308E+08	5,024958E+08	3,765515E+08	3,765546E+08	5,025046E+08	7,197460E+08	9,663286E+08	1,176173E+09	1,296796E+09	1,296810E+09	1,176203E+09	9,663555E+08
2314	7,197612E+08	5,025136E+08	3,765607E+08	3,765601E+08	5,025154E+08	7,197666E+08	9,663523E+08	1,176182E+09	1,296784E+09	1,296788E+09	1,176191E+09	9,663595E+08
2315	7,197722E+08	5,025179E+08	3,765609E+08	3,765662E+08	5,025247E+08	7,197708E+08	9,663547E+08	1,176192E+09	1,296797E+09	1,296793E+09	1,176180E+09	9,663369E+08
2316	7,197433E+08	5,024898E+08	3,765315E+08	3,765295E+08	5,024842E+08	7,197362E+08	9,663303E+08	1,176182E+09	1,296804E+09	1,296816E+09	1,176211E+09	9,663690E+08
2317	7,197750E+08	5,025143E+08	3,765437E+08	3,765349E+08	5,024963E+08	7,197671E+08	9,663735E+08	1,176212E+09	1,296810E+09	1,296799E+09	1,176183E+09	9,663384E+08
2318	7,197427E+08	5,024845E+08	3,765256E+08	3,765286E+08	5,024848E+08	7,197380E+08	9,663447E+08	1,176208E+09	1,296831E+09	1,296827E+09	1,176200E+09	9,663363E+08
2319	7,197280E+08	5,024633E+08	3,764987E+08	3,764984E+08	5,024612E+08	7,197242E+08	9,663340E+08	1,176201E+09	1,296834E+09	1,296845E+09	1,176228E+09	9,663677E+08
2320	7,197559E+08	5,024822E+08	3,765077E+08	3,765089E+08	5,024882E+08	7,197685E+08	9,663760E+08	1,176226E+09	1,296845E+09	1,296842E+09	1,176208E+09	9,663323E+08
2321	7,197121E+08	5,024419E+08	3,764781E+08	3,764813E+08	5,024514E+08	7,197314E+08	9,663544E+08	1,176221E+09	1,296848E+09	1,296853E+09	1,176232E+09	9,663607E+08
2322	7,197325E+08	5,024496E+08	3,764764E+08	3,764757E+08	5,024474E+08	7,197315E+08	9,663626E+08	1,176231E+09	1,296848E+09	1,296842E+09	1,176221E+09	9,663660E+08
2323	7,197542E+08	5,024730E+08	3,764956E+08	3,764982E+08	5,024724E+08	7,197463E+08	9,663649E+08	1,176235E+09	1,296858E+09	1,296845E+09	1,176205E+09	9,663332E+08
2324	7,197178E+08	5,024491E+08	3,764827E+08	3,764826E+08	5,024478E+08	7,197143E+08	9,663251E+08	1,176197E+09	1,296840E+09	1,296856E+09	1,176236E+09	9,663685E+08
2325	7,197539E+08	5,024862E+08	3,765176E+08	3,765133E+08	5,024786E+08	7,197531E+08	9,663621E+08	1,176202E+09	1,296807E+09	1,296808E+09	1,176199E+09	9,663508E+08
2326	7,197483E+08	5,024876E+08	3,765317E+08	3,765406E+08	5,025030E+08	7,197559E+08	9,663497E+08	1,176192E+09	1,296800E+09	1,296796E+09	1,176181E+09	9,663319E+08
2327	7,197363E+08	5,024841E+08	3,765297E+08	3,765335E+08	5,024909E+08	7,197402E+08	9,663294E+08	1,176171E+09	1,296781E+09	1,296787E+09	1,176188E+09	9,663586E+08
2328	7,197803E+08	5,025339E+08	3,765733E+08	3,765715E+08	5,025332E+08	7,197887E+08	9,663685E+08	1,176189E+09	1,296780E+09	1,296764E+09	1,176147E+09	9,663148E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2329	7,197456E+08	5,025165E+08	3,765749E+08	3,765790E+08	5,025252E+08	7,197607E+08	9,663396E+08	1,176172E+09	1,296775E+09	1,296769E+09	1,176158E+09	9,663263E+08
2330	7,197564E+08	5,025279E+08	3,765857E+08	3,765860E+08	5,025270E+08	7,197533E+08	9,663250E+08	1,176155E+09	1,296758E+09	1,296758E+09	1,176162E+09	9,663461E+08
2331	7,197880E+08	5,025612E+08	3,766154E+08	3,766191E+08	5,025686E+08	7,197922E+08	9,663441E+08	1,176158E+09	1,296754E+09	1,296750E+09	1,176146E+09	9,663187E+08
2332	7,197513E+08	5,025304E+08	3,765957E+08	3,765988E+08	5,025383E+08	7,197596E+08	9,663158E+08	1,176132E+09	1,296739E+09	1,296760E+09	1,176176E+09	9,663553E+08
2333	7,197847E+08	5,025538E+08	3,766073E+08	3,766019E+08	5,025423E+08	7,197776E+08	9,663504E+08	1,176156E+09	1,296732E+09	1,296728E+09	1,176145E+09	9,663424E+08
2334	7,197846E+08	5,025536E+08	3,766077E+08	3,766111E+08	5,025559E+08	7,197793E+08	9,663440E+08	1,176167E+09	1,296759E+09	1,296746E+09	1,176136E+09	9,663118E+08
2335	7,197499E+08	5,025241E+08	3,765774E+08	3,765731E+08	5,025134E+08	7,197407E+08	9,663110E+08	1,176147E+09	1,296764E+09	1,296775E+09	1,176176E+09	9,663481E+08
2336	7,197785E+08	5,025442E+08	3,765891E+08	3,765828E+08	5,025336E+08	7,197783E+08	9,663532E+08	1,176175E+09	1,296776E+09	1,296771E+09	1,176159E+09	9,663220E+08
2337	7,197429E+08	5,025062E+08	3,765621E+08	3,765689E+08	5,025208E+08	7,197583E+08	9,663410E+08	1,176180E+09	1,296791E+09	1,296791E+09	1,176178E+09	9,663306E+08
2338	7,197365E+08	5,024861E+08	3,765327E+08	3,765357E+08	5,024921E+08	7,197393E+08	9,663306E+08	1,176175E+09	1,296789E+09	1,296796E+09	1,176196E+09	9,663594E+08
2339	7,197685E+08	5,025115E+08	3,765465E+08	3,765475E+08	5,025169E+08	7,197790E+08	9,663695E+08	1,176205E+09	1,296805E+09	1,296796E+09	1,176180E+09	9,663304E+08
2340	7,197300E+08	5,024762E+08	3,765200E+08	3,765200E+08	5,024774E+08	7,197370E+08	9,663401E+08	1,176192E+09	1,296812E+09	1,296819E+09	1,176207E+09	9,663538E+08
2341	7,197507E+08	5,024903E+08	3,765271E+08	3,765209E+08	5,024741E+08	7,197361E+08	9,663498E+08	1,176197E+09	1,296801E+09	1,296796E+09	1,176187E+09	9,663505E+08
2342	7,197639E+08	5,025093E+08	3,765484E+08	3,765524E+08	5,025129E+08	7,197577E+08	9,663460E+08	1,176195E+09	1,296809E+09	1,296799E+09	1,176171E+09	9,663176E+08
2343	7,197288E+08	5,024864E+08	3,765341E+08	3,765352E+08	5,024896E+08	7,197310E+08	9,663075E+08	1,176149E+09	1,296776E+09	1,296798E+09	1,176198E+09	9,663562E+08
2344	7,197683E+08	5,025241E+08	3,765696E+08	3,765671E+08	5,025224E+08	7,197739E+08	9,663525E+08	1,176167E+09	1,296757E+09	1,296754E+09	1,176157E+09	9,663345E+08
2345	7,197603E+08	5,025228E+08	3,765792E+08	3,765885E+08	5,025414E+08	7,197755E+08	9,663496E+08	1,176171E+09	1,296757E+09	1,296743E+09	1,176138E+09	9,663154E+08
2346	7,197496E+08	5,025212E+08	3,765795E+08	3,765822E+08	5,025244E+08	7,197476E+08	9,663150E+08	1,176141E+09	1,296739E+09	1,296737E+09	1,176145E+09	9,663375E+08
2347	7,197897E+08	5,025722E+08	3,766278E+08	3,766253E+08	5,025705E+08	7,197966E+08	9,663494E+08	1,176154E+09	1,296736E+09	1,296723E+09	1,176122E+09	9,663082E+08
2348	7,197591E+08	5,025540E+08	3,766275E+08	3,766318E+08	5,025641E+08	7,197717E+08	9,663177E+08	1,176128E+09	1,296726E+09	1,296733E+09	1,176140E+09	9,663242E+08
2349	7,197742E+08	5,025672E+08	3,766377E+08	3,766358E+08	5,025630E+08	7,197702E+08	9,663173E+08	1,176115E+09	1,296699E+09	1,296705E+09	1,176130E+09	9,663387E+08
2350	7,198028E+08	5,025964E+08	3,766642E+08	3,766690E+08	5,026078E+08	7,198106E+08	9,663392E+08	1,176129E+09	1,296705E+09	1,296697E+09	1,176107E+09	9,663061E+08
2351	7,197682E+08	5,025681E+08	3,766415E+08	3,766420E+08	5,025692E+08	7,197690E+08	9,663022E+08	1,176100E+09	1,296693E+09	1,296707E+09	1,176134E+09	9,663394E+08
2352	7,197982E+08	5,025898E+08	3,766538E+08	3,766466E+08	5,025739E+08	7,197853E+08	9,663332E+08	1,176128E+09	1,296703E+09	1,296694E+09	1,176111E+09	9,663232E+08
2353	7,197896E+08	5,025817E+08	3,766486E+08	3,766523E+08	5,025869E+08	7,197900E+08	9,663341E+08	1,176142E+09	1,296725E+09	1,296713E+09	1,176111E+09	9,662989E+08
2354	7,197544E+08	5,025479E+08	3,766156E+08	3,766142E+08	5,025446E+08	7,197481E+08	9,662924E+08	1,176111E+09	1,296720E+09	1,296735E+09	1,176149E+09	9,663364E+08
2355	7,197836E+08	5,025680E+08	3,766272E+08	3,766239E+08	5,025680E+08	7,197954E+08	9,663447E+08	1,176142E+09	1,296727E+09	1,296728E+09	1,176139E+09	9,663234E+08
2356	7,197574E+08	5,025337E+08	3,765984E+08	3,766049E+08	5,025489E+08	7,197730E+08	9,663366E+08	1,176154E+09	1,296747E+09	1,296748E+09	1,176152E+09	9,663278E+08
2357	7,197557E+08	5,025210E+08	3,765739E+08	3,765712E+08	5,025142E+08	7,197485E+08	9,663287E+08	1,176156E+09	1,296748E+09	1,296745E+09	1,176154E+09	9,663433E+08
2358	7,197809E+08	5,025458E+08	3,765923E+08	3,765909E+08	5,025457E+08	7,197845E+08	9,663552E+08	1,176180E+09	1,296772E+09	1,296755E+09	1,176140E+09	9,663095E+08
2359	7,197409E+08	5,025132E+08	3,765688E+08	3,765667E+08	5,025084E+08	7,197398E+08	9,663145E+08	1,176150E+09	1,296765E+09	1,296776E+09	1,176174E+09	9,663384E+08
2360	7,197602E+08	5,025261E+08	3,765793E+08	3,765752E+08	5,025160E+08	7,197476E+08	9,663243E+08	1,176154E+09	1,296756E+09	1,296756E+09	1,176158E+09	9,663378E+08
2361	7,197715E+08	5,025397E+08	3,765948E+08	3,766018E+08	5,025550E+08	7,197808E+08	9,663406E+08	1,176160E+09	1,296755E+09	1,296748E+09	1,176140E+09	9,663093E+08
2362	7,197417E+08	5,025180E+08	3,765803E+08	3,765840E+08	5,025280E+08	7,197482E+08	9,663013E+08	1,176118E+09	1,296723E+09	1,296737E+09	1,176153E+09	9,663403E+08
2363	7,197816E+08	5,025608E+08	3,766195E+08	3,766169E+08	5,025607E+08	7,197906E+08	9,663456E+08	1,176141E+09	1,296711E+09	1,296703E+09	1,176121E+09	9,663244E+08
2364	7,197769E+08	5,025628E+08	3,766308E+08	3,766368E+08	5,025752E+08	7,197869E+08	9,663368E+08	1,176142E+09	1,296720E+09	1,296706E+09	1,176109E+09	9,663046E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2365	7,197665E+08	5,025643E+08	3,766361E+08	3,766342E+08	5,025578E+08	7,197575E+08	9,663025E+08	1,176107E+09	1,296693E+09	1,296693E+09	1,176113E+09	9,663243E+08
2366	7,198007E+08	5,026091E+08	3,766827E+08	3,766823E+08	5,026134E+08	7,198096E+08	9,663293E+08	1,176112E+09	1,296686E+09	1,296679E+09	1,176092E+09	9,662984E+08
2367	7,197750E+08	5,025924E+08	3,766788E+08	3,766838E+08	5,026044E+08	7,197876E+08	9,662998E+08	1,176079E+09	1,296663E+09	1,296678E+09	1,176108E+09	9,663191E+08
2368	7,197933E+08	5,026060E+08	3,766884E+08	3,766869E+08	5,026021E+08	7,197852E+08	9,663029E+08	1,176080E+09	1,296649E+09	1,296651E+09	1,176091E+09	9,663255E+08
2369	7,198163E+08	5,026302E+08	3,767081E+08	3,767114E+08	5,026392E+08	7,198241E+08	9,663333E+08	1,176105E+09	1,296663E+09	1,296646E+09	1,176065E+09	9,662893E+08
2370	7,197793E+08	5,026006E+08	3,766863E+08	3,766858E+08	5,025982E+08	7,197741E+08	9,662854E+08	1,176069E+09	1,296651E+09	1,296658E+09	1,176090E+09	9,663159E+08
2371	7,198036E+08	5,026207E+08	3,766993E+08	3,766929E+08	5,026079E+08	7,197949E+08	9,663157E+08	1,176093E+09	1,296658E+09	1,296654E+09	1,176086E+09	9,663130E+08
2372	7,197973E+08	5,026099E+08	3,766899E+08	3,766950E+08	5,026208E+08	7,198049E+08	9,663213E+08	1,176108E+09	1,296684E+09	1,296679E+09	1,176091E+09	9,662939E+08
2373	7,197662E+08	5,025771E+08	3,766562E+08	3,766535E+08	5,025745E+08	7,197674E+08	9,662939E+08	1,176085E+09	1,296673E+09	1,296687E+09	1,176117E+09	9,663263E+08
2374	7,197928E+08	5,025936E+08	3,766652E+08	3,766636E+08	5,025988E+08	7,198111E+08	9,663442E+08	1,176126E+09	1,296693E+09	1,296686E+09	1,176104E+09	9,663099E+08
2375	7,197715E+08	5,025658E+08	3,766372E+08	3,766408E+08	5,025729E+08	7,197796E+08	9,663247E+08	1,176129E+09	1,296715E+09	1,296711E+09	1,176120E+09	9,663153E+08
2376	7,197689E+08	5,025552E+08	3,766183E+08	3,766132E+08	5,025414E+08	7,197507E+08	9,663071E+08	1,176129E+09	1,296724E+09	1,296718E+09	1,176128E+09	9,663288E+08
2377	7,197886E+08	5,025756E+08	3,766351E+08	3,766335E+08	5,025756E+08	7,197910E+08	9,663377E+08	1,176148E+09	1,296736E+09	1,296722E+09	1,176118E+09	9,663014E+08
2378	7,197511E+08	5,025426E+08	3,766138E+08	3,766151E+08	5,025445E+08	7,197485E+08	9,662901E+08	1,176103E+09	1,296710E+09	1,296726E+09	1,176141E+09	9,663285E+08
2379	7,197724E+08	5,025583E+08	3,766263E+08	3,766255E+08	5,025579E+08	7,197690E+08	9,663134E+08	1,176109E+09	1,296690E+09	1,296699E+09	1,176129E+09	9,663361E+08
2380	7,197908E+08	5,025766E+08	3,766424E+08	3,766486E+08	5,025916E+08	7,198009E+08	9,663367E+08	1,176129E+09	1,296701E+09	1,296691E+09	1,176101E+09	9,663004E+08
2381	7,197625E+08	5,025608E+08	3,766331E+08	3,766315E+08	5,025595E+08	7,197632E+08	9,662981E+08	1,176093E+09	1,296676E+09	1,296678E+09	1,176103E+09	9,663175E+08
2382	7,197928E+08	5,026001E+08	3,766749E+08	3,766715E+08	5,025989E+08	7,198026E+08	9,663326E+08	1,176112E+09	1,296675E+09	1,296660E+09	1,176077E+09	9,663000E+08
2383	7,197881E+08	5,026041E+08	3,766868E+08	3,766922E+08	5,026139E+08	7,197957E+08	9,663122E+08	1,176097E+09	1,296672E+09	1,296663E+09	1,176077E+09	9,662899E+08
2384	7,197776E+08	5,026026E+08	3,766920E+08	3,766924E+08	5,026023E+08	7,197715E+08	9,662794E+08	1,176065E+09	1,296647E+09	1,296650E+09	1,176084E+09	9,663148E+08
2385	7,198123E+08	5,026416E+08	3,767301E+08	3,767324E+08	5,026540E+08	7,198316E+08	9,663246E+08	1,176079E+09	1,296633E+09	1,296627E+09	1,176061E+09	9,662933E+08
2386	7,197918E+08	5,026255E+08	3,767246E+08	3,767313E+08	5,026387E+08	7,197992E+08	9,662880E+08	1,176045E+09	1,296610E+09	1,296618E+09	1,176064E+09	9,663054E+08
2387	7,198092E+08	5,026426E+08	3,767355E+08	3,767328E+08	5,026359E+08	7,197982E+08	9,662913E+08	1,176048E+09	1,296601E+09	1,296603E+09	1,176059E+09	9,663156E+08
2388	7,198319E+08	5,026673E+08	3,767548E+08	3,767542E+08	5,026672E+08	7,198325E+08	9,663195E+08	1,176074E+09	1,296625E+09	1,296609E+09	1,176037E+09	9,662769E+08
2389	7,197919E+08	5,026366E+08	3,767341E+08	3,767303E+08	5,026274E+08	7,197841E+08	9,662734E+08	1,176037E+09	1,296609E+09	1,296616E+09	1,176057E+09	9,662986E+08
2390	7,198084E+08	5,026480E+08	3,767427E+08	3,767400E+08	5,026457E+08	7,198111E+08	9,663036E+08	1,176061E+09	1,296619E+09	1,296615E+09	1,176054E+09	9,662987E+08
2391	7,198076E+08	5,026387E+08	3,767290E+08	3,767354E+08	5,026527E+08	7,198207E+08	9,663123E+08	1,176074E+09	1,296637E+09	1,296635E+09	1,176063E+09	9,662865E+08
2392	7,197797E+08	5,026071E+08	3,766959E+08	3,766938E+08	5,026036E+08	7,197778E+08	9,662861E+08	1,176067E+09	1,296643E+09	1,296647E+09	1,176085E+09	9,663144E+08
2393	7,198034E+08	5,026213E+08	3,767013E+08	3,766983E+08	5,026220E+08	7,198186E+08	9,663371E+08	1,176108E+09	1,296665E+09	1,296651E+09	1,176074E+09	9,662975E+08
2394	7,197820E+08	5,025949E+08	3,766783E+08	3,766814E+08	5,025969E+08	7,197787E+08	9,663011E+08	1,176093E+09	1,296676E+09	1,296673E+09	1,176088E+09	9,662988E+08
2395	7,197776E+08	5,025871E+08	3,766641E+08	3,766607E+08	5,025766E+08	7,197598E+08	9,662829E+08	1,176080E+09	1,296670E+09	1,296680E+09	1,176109E+09	9,663242E+08
2396	7,198012E+08	5,026085E+08	3,766807E+08	3,766800E+08	5,026118E+08	7,198070E+08	9,663217E+08	1,176104E+09	1,296682E+09	1,296679E+09	1,176094E+09	9,662982E+08
2397	7,197688E+08	5,025791E+08	3,766620E+08	3,766628E+08	5,025818E+08	7,197726E+08	9,662900E+08	1,176070E+09	1,296651E+09	1,296664E+09	1,176097E+09	9,663140E+08
2398	7,197859E+08	5,025928E+08	3,766744E+08	3,766758E+08	5,025975E+08	7,197897E+08	9,663122E+08	1,176087E+09	1,296647E+09	1,296642E+09	1,176078E+09	9,663139E+08
2399	7,198060E+08	5,026163E+08	3,766919E+08	3,766963E+08	5,026255E+08	7,198147E+08	9,663275E+08	1,176101E+09	1,296661E+09	1,296644E+09	1,176060E+09	9,662814E+08
2400	7,197749E+08	5,026006E+08	3,766877E+08	3,766855E+08	5,025958E+08	7,197714E+08	9,662817E+08	1,176067E+09	1,296646E+09	1,296642E+09	1,176070E+09	9,662985E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2401	7,197992E+08	5,026327E+08	3,767239E+08	3,767223E+08	5,026353E+08	7,198136E+08	9,663168E+08	1,176079E+09	1,296635E+09	1,296624E+09	1,176053E+09	9,662907E+08
2402	7,197987E+08	5,026365E+08	3,767366E+08	3,767456E+08	5,026532E+08	7,198070E+08	9,662891E+08	1,176048E+09	1,296615E+09	1,296615E+09	1,176046E+09	9,662826E+08
2403	7,197943E+08	5,026396E+08	3,767423E+08	3,767448E+08	5,026443E+08	7,197914E+08	9,662655E+08	1,176016E+09	1,296579E+09	1,296595E+09	1,176058E+09	9,663147E+08
2404	7,198354E+08	5,026824E+08	3,767794E+08	3,767788E+08	5,026864E+08	7,198447E+08	9,663149E+08	1,176046E+09	1,296581E+09	1,296571E+09	1,176022E+09	9,662850E+08
2405	7,198146E+08	5,026701E+08	3,767774E+08	3,767785E+08	5,026693E+08	7,198107E+08	9,662781E+08	1,176014E+09	1,296560E+09	1,296559E+09	1,176012E+09	9,662814E+08
2406	7,198196E+08	5,026805E+08	3,767879E+08	3,767848E+08	5,026721E+08	7,198085E+08	9,662762E+08	1,176016E+09	1,296562E+09	1,296559E+09	1,176013E+09	9,662891E+08
2407	7,198393E+08	5,027027E+08	3,768037E+08	3,768036E+08	5,027030E+08	7,198439E+08	9,663011E+08	1,176033E+09	1,296579E+09	1,296570E+09	1,176008E+09	9,662618E+08
2408	7,197980E+08	5,026666E+08	3,767798E+08	3,767795E+08	5,026660E+08	7,197999E+08	9,662623E+08	1,176009E+09	1,296573E+09	1,296580E+09	1,176032E+09	9,662867E+08
2409	7,198127E+08	5,026698E+08	3,767772E+08	3,767784E+08	5,026779E+08	7,198313E+08	9,663070E+08	1,176043E+09	1,296584E+09	1,296579E+09	1,176030E+09	9,662919E+08
2410	7,198176E+08	5,026626E+08	3,767635E+08	3,767719E+08	5,026780E+08	7,198280E+08	9,663030E+08	1,176051E+09	1,296603E+09	1,296595E+09	1,176031E+09	9,662755E+08
2411	7,197927E+08	5,026369E+08	3,767334E+08	3,767304E+08	5,026297E+08	7,197858E+08	9,662729E+08	1,176036E+09	1,296606E+09	1,296617E+09	1,176067E+09	9,663106E+08
2412	7,198190E+08	5,026547E+08	3,767423E+08	3,767355E+08	5,026434E+08	7,198199E+08	9,663191E+08	1,176076E+09	1,296630E+09	1,296622E+09	1,176056E+09	9,662936E+08
2413	7,197981E+08	5,026306E+08	3,767238E+08	3,767242E+08	5,026255E+08	7,197859E+08	9,662817E+08	1,176052E+09	1,296624E+09	1,296627E+09	1,176057E+09	9,662876E+08
2414	7,197881E+08	5,026187E+08	3,767101E+08	3,767103E+08	5,026171E+08	7,197787E+08	9,662701E+08	1,176039E+09	1,296616E+09	1,296628E+09	1,176071E+09	9,663106E+08
2415	7,198166E+08	5,026439E+08	3,767260E+08	3,767265E+08	5,026483E+08	7,198268E+08	9,663148E+08	1,176065E+09	1,296621E+09	1,296619E+09	1,176053E+09	9,662847E+08
2416	7,197837E+08	5,026158E+08	3,767100E+08	3,767115E+08	5,026175E+08	7,197868E+08	9,662856E+08	1,176051E+09	1,296614E+09	1,296609E+09	1,176049E+09	9,662907E+08
2417	7,197938E+08	5,026254E+08	3,767194E+08	3,767209E+08	5,026299E+08	7,198034E+08	9,663087E+08	1,176070E+09	1,296617E+09	1,296601E+09	1,176037E+09	9,662910E+08
2418	7,198118E+08	5,026491E+08	3,767414E+08	3,767470E+08	5,026580E+08	7,198180E+08	9,663050E+08	1,176064E+09	1,296620E+09	1,296603E+09	1,176025E+09	9,662620E+08
2419	7,197831E+08	5,026363E+08	3,767400E+08	3,767408E+08	5,026377E+08	7,197844E+08	9,662594E+08	1,176017E+09	1,296590E+09	1,296605E+09	1,176053E+09	9,662958E+08
2420	7,198150E+08	5,026708E+08	3,767753E+08	3,767738E+08	5,026730E+08	7,198286E+08	9,663010E+08	1,176034E+09	1,296579E+09	1,296579E+09	1,176031E+09	9,662916E+08
2421	7,198216E+08	5,026787E+08	3,767893E+08	3,767962E+08	5,026909E+08	7,198263E+08	9,662814E+08	1,176009E+09	1,296552E+09	1,296552E+09	1,176005E+09	9,662716E+08
2422	7,198132E+08	5,026810E+08	3,767954E+08	3,767980E+08	5,026847E+08	7,198092E+08	9,662575E+08	1,175984E+09	1,296530E+09	1,296537E+09	1,176007E+09	9,662953E+08
2423	7,198542E+08	5,027261E+08	3,768319E+08	3,768283E+08	5,027201E+08	7,198553E+08	9,663001E+08	1,176010E+09	1,296535E+09	1,296523E+09	1,175982E+09	9,662660E+08
2424	7,198267E+08	5,027099E+08	3,768315E+08	3,768324E+08	5,027060E+08	7,198184E+08	9,662632E+08	1,175989E+09	1,296527E+09	1,296518E+09	1,175977E+09	9,662599E+08
2425	7,198223E+08	5,027090E+08	3,768323E+08	3,768330E+08	5,027096E+08	7,198233E+08	9,662662E+08	1,175988E+09	1,296526E+09	1,296524E+09	1,175988E+09	9,662758E+08
2426	7,198424E+08	5,027268E+08	3,768448E+08	3,768494E+08	5,027386E+08	7,198580E+08	9,662875E+08	1,175995E+09	1,296530E+09	1,296528E+09	1,175982E+09	9,662540E+08
2427	7,198090E+08	5,026944E+08	3,768186E+08	3,768210E+08	5,027007E+08	7,198193E+08	9,662585E+08	1,175974E+09	1,296521E+09	1,296540E+09	1,176014E+09	9,662869E+08
2428	7,198302E+08	5,027013E+08	3,768140E+08	3,768117E+08	5,026989E+08	7,198381E+08	9,663012E+08	1,176023E+09	1,296550E+09	1,296541E+09	1,176004E+09	9,662880E+08
2429	7,198370E+08	5,026994E+08	3,768053E+08	3,768078E+08	5,026999E+08	7,198324E+08	9,662891E+08	1,176023E+09	1,296565E+09	1,296553E+09	1,175994E+09	9,662589E+08
2430	7,198036E+08	5,026711E+08	3,767789E+08	3,767752E+08	5,026604E+08	7,197910E+08	9,662521E+08	1,175999E+09	1,296564E+09	1,296576E+09	1,176029E+09	9,662918E+08
2431	7,198297E+08	5,026886E+08	3,767874E+08	3,767812E+08	5,026765E+08	7,198276E+08	9,662966E+08	1,176029E+09	1,296577E+09	1,296578E+09	1,176028E+09	9,662829E+08
2432	7,198081E+08	5,026627E+08	3,767701E+08	3,767739E+08	5,026649E+08	7,198024E+08	9,662737E+08	1,176022E+09	1,296577E+09	1,296575E+09	1,176021E+09	9,662723E+08
2433	7,197939E+08	5,026444E+08	3,767489E+08	3,767530E+08	5,026526E+08	7,198004E+08	9,662751E+08	1,176021E+09	1,296575E+09	1,296579E+09	1,176033E+09	9,662935E+08
2434	7,198229E+08	5,026717E+08	3,767674E+08	3,767694E+08	5,026789E+08	7,198381E+08	9,663086E+08	1,176041E+09	1,296583E+09	1,296572E+09	1,176012E+09	9,662656E+08
2435	7,197940E+08	5,026502E+08	3,767556E+08	3,767567E+08	5,026512E+08	7,197993E+08	9,662749E+08	1,176019E+09	1,296575E+09	1,296578E+09	1,176028E+09	9,662798E+08
2436	7,198059E+08	5,026618E+08	3,767671E+08	3,767658E+08	5,026580E+08	7,198073E+08	9,662913E+08	1,176039E+09	1,296582E+09	1,296572E+09	1,176019E+09	9,662862E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2437	7,198278E+08	5,026882E+08	3,767931E+08	3,767976E+08	5,026946E+08	7,198283E+08	9,662824E+08	1,176018E+09	1,296566E+09	1,296557E+09	1,175996E+09	9,662546E+08
2438	7,197986E+08	5,026748E+08	3,767936E+08	3,767971E+08	5,026828E+08	7,198037E+08	9,662438E+08	1,175969E+09	1,296528E+09	1,296548E+09	1,176015E+09	9,662885E+08
2439	7,198382E+08	5,027142E+08	3,768287E+08	3,768264E+08	5,027118E+08	7,198443E+08	9,662889E+08	1,175990E+09	1,296513E+09	1,296515E+09	1,175991E+09	9,662831E+08
2440	7,198433E+08	5,027240E+08	3,768457E+08	3,768510E+08	5,027291E+08	7,198379E+08	9,662724E+08	1,175983E+09	1,296505E+09	1,296490E+09	1,175954E+09	9,662490E+08
2441	7,198240E+08	5,027193E+08	3,768469E+08	3,768489E+08	5,027214E+08	7,198234E+08	9,662501E+08	1,175959E+09	1,296491E+09	1,296490E+09	1,175963E+09	9,662692E+08
2442	7,198576E+08	5,027595E+08	3,768836E+08	3,768813E+08	5,027563E+08	7,198625E+08	9,662796E+08	1,175970E+09	1,296488E+09	1,296478E+09	1,175945E+09	9,662448E+08
2443	7,198316E+08	5,027416E+08	3,768795E+08	3,768843E+08	5,027493E+08	7,198373E+08	9,662493E+08	1,175946E+09	1,296476E+09	1,296484E+09	1,175961E+09	9,662541E+08
2444	7,198324E+08	5,027388E+08	3,768742E+08	3,768756E+08	5,027432E+08	7,198407E+08	9,662623E+08	1,175960E+09	1,296484E+09	1,296487E+09	1,175969E+09	9,662760E+08
2445	7,198590E+08	5,027586E+08	3,768847E+08	3,768878E+08	5,027682E+08	7,198728E+08	9,662834E+08	1,175969E+09	1,296485E+09	1,296479E+09	1,175949E+09	9,662458E+08
2446	7,198243E+08	5,027272E+08	3,768597E+08	3,768608E+08	5,027299E+08	7,198303E+08	9,662516E+08	1,175953E+09	1,296487E+09	1,296498E+09	1,175976E+09	9,662746E+08
2447	7,198477E+08	5,027375E+08	3,768566E+08	3,768495E+08	5,027213E+08	7,198387E+08	9,662825E+08	1,175989E+09	1,296511E+09	1,296506E+09	1,175977E+09	9,662767E+08
2448	7,198488E+08	5,027338E+08	3,768510E+08	3,768515E+08	5,027268E+08	7,198312E+08	9,662691E+08	1,175995E+09	1,296530E+09	1,296515E+09	1,175965E+09	9,662428E+08
2449	7,198072E+08	5,026971E+08	3,768189E+08	3,768182E+08	5,026950E+08	7,198042E+08	9,662392E+08	1,175966E+09	1,296522E+09	1,296537E+09	1,176002E+09	9,662788E+08
2450	7,198332E+08	5,027128E+08	3,768273E+08	3,768248E+08	5,027111E+08	7,198411E+08	9,662823E+08	1,175987E+09	1,296520E+09	1,296526E+09	1,175993E+09	9,662715E+08
2451	7,198190E+08	5,026920E+08	3,768104E+08	3,768169E+08	5,027022E+08	7,198232E+08	9,662719E+08	1,175989E+09	1,296523E+09	1,296528E+09	1,175993E+09	9,662639E+08
2452	7,198081E+08	5,026778E+08	3,767905E+08	3,767915E+08	5,026789E+08	7,198101E+08	9,662715E+08	1,176003E+09	1,296542E+09	1,296537E+09	1,175999E+09	9,662812E+08
2453	7,198364E+08	5,027084E+08	3,768143E+08	3,768124E+08	5,027080E+08	7,198455E+08	9,662936E+08	1,176011E+09	1,296543E+09	1,296529E+09	1,175974E+09	9,662459E+08
2454	7,198031E+08	5,026871E+08	3,768078E+08	3,768093E+08	5,026899E+08	7,198098E+08	9,662559E+08	1,175981E+09	1,296530E+09	1,296537E+09	1,175993E+09	9,662656E+08
2455	7,198199E+08	5,027008E+08	3,768200E+08	3,768190E+08	5,026972E+08	7,198180E+08	9,662683E+08	1,175988E+09	1,296524E+09	1,296526E+09	1,175994E+09	9,662820E+08
2456	7,198446E+08	5,027279E+08	3,768478E+08	3,768537E+08	5,027373E+08	7,198448E+08	9,662731E+08	1,175984E+09	1,296510E+09	1,296499E+09	1,175959E+09	9,662442E+08
2457	7,198132E+08	5,027109E+08	3,768434E+08	3,768492E+08	5,027248E+08	7,198258E+08	9,662434E+08	1,175943E+09	1,296477E+09	1,296489E+09	1,175972E+09	9,662729E+08
2458	7,198508E+08	5,027515E+08	3,768801E+08	3,768777E+08	5,027484E+08	7,198554E+08	9,662755E+08	1,175956E+09	1,296463E+09	1,296459E+09	1,175945E+09	9,662642E+08
2459	7,198570E+08	5,027642E+08	3,768989E+08	3,769035E+08	5,027691E+08	7,198534E+08	9,662605E+08	1,175946E+09	1,296457E+09	1,296450E+09	1,175926E+09	9,662347E+08
2460	7,198352E+08	5,027568E+08	3,768977E+08	3,768972E+08	5,027536E+08	7,198311E+08	9,662359E+08	1,175929E+09	1,296453E+09	1,296455E+09	1,175939E+09	9,662600E+08
2461	7,198686E+08	5,027941E+08	3,769320E+08	3,769301E+08	5,027949E+08	7,198775E+08	9,662629E+08	1,175930E+09	1,296438E+09	1,296433E+09	1,175915E+09	9,662351E+08
2462	7,198438E+08	5,027750E+08	3,769263E+08	3,769330E+08	5,027900E+08	7,198581E+08	9,662414E+08	1,175909E+09	1,296424E+09	1,296433E+09	1,175924E+09	9,662464E+08
2463	7,198513E+08	5,027740E+08	3,769174E+08	3,769165E+08	5,027721E+08	7,198511E+08	9,662533E+08	1,175930E+09	1,296436E+09	1,296438E+09	1,175937E+09	9,662696E+08
2464	7,198771E+08	5,027953E+08	3,769301E+08	3,769298E+08	5,027946E+08	7,198763E+08	9,662741E+08	1,175953E+09	1,296452E+09	1,296432E+09	1,175908E+09	9,662280E+08
2465	7,198328E+08	5,027578E+08	3,769018E+08	3,769013E+08	5,027569E+08	7,198355E+08	9,662378E+08	1,175928E+09	1,296455E+09	1,296462E+09	1,175943E+09	9,662545E+08
2466	7,198495E+08	5,027648E+08	3,769000E+08	3,768935E+08	5,027503E+08	7,198392E+08	9,662551E+08	1,175946E+09	1,296464E+09	1,296466E+09	1,175949E+09	9,662627E+08
2467	7,198548E+08	5,027615E+08	3,768930E+08	3,768968E+08	5,027656E+08	7,198480E+08	9,662529E+08	1,175947E+09	1,296476E+09	1,296479E+09	1,175948E+09	9,662378E+08
2468	7,198171E+08	5,027242E+08	3,768573E+08	3,768568E+08	5,027260E+08	7,198214E+08	9,662373E+08	1,175940E+09	1,296479E+09	1,296494E+09	1,175976E+09	9,662740E+08
2469	7,198466E+08	5,027420E+08	3,768655E+08	3,768630E+08	5,027430E+08	7,198582E+08	9,662795E+08	1,175965E+09	1,296477E+09	1,296474E+09	1,175953E+09	9,662569E+08
2470	7,198318E+08	5,027249E+08	3,768532E+08	3,768588E+08	5,027351E+08	7,198386E+08	9,662678E+08	1,175970E+09	1,296491E+09	1,296484E+09	1,175951E+09	9,662479E+08
2471	7,198226E+08	5,027139E+08	3,768367E+08	3,768340E+08	5,027061E+08	7,198148E+08	9,662565E+08	1,175974E+09	1,296506E+09	1,296504E+09	1,175974E+09	9,662712E+08
2472	7,198486E+08	5,027445E+08	3,768651E+08	3,768623E+08	5,027408E+08	7,198486E+08	9,662761E+08	1,175984E+09	1,296505E+09	1,296489E+09	1,175946E+09	9,662344E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2473	7,198113E+08	5,027183E+08	3,768555E+08	3,768603E+08	5,027309E+08	7,198267E+08	9,662418E+08	1,175942E+09	1,296482E+09	1,296494E+09	1,175967E+09	9,662570E+08
2474	7,198303E+08	5,027342E+08	3,768701E+08	3,768707E+08	5,027366E+08	7,198321E+08	9,662506E+08	1,175939E+09	1,296458E+09	1,296467E+09	1,175958E+09	9,662749E+08
2475	7,198642E+08	5,027677E+08	3,768989E+08	3,769047E+08	5,027782E+08	7,198643E+08	9,662646E+08	1,175943E+09	1,296450E+09	1,296444E+09	1,175924E+09	9,662352E+08
2476	7,198335E+08	5,027540E+08	3,768962E+08	3,768973E+08	5,027572E+08	7,198363E+08	9,662346E+08	1,175918E+09	1,296436E+09	1,296438E+09	1,175929E+09	9,662569E+08
2477	7,198670E+08	5,027940E+08	3,769346E+08	3,769294E+08	5,027851E+08	7,198641E+08	9,662544E+08	1,175917E+09	1,296413E+09	1,296405E+09	1,175899E+09	9,662404E+08
2478	7,198661E+08	5,028035E+08	3,769550E+08	3,769605E+08	5,028131E+08	7,198692E+08	9,662437E+08	1,175906E+09	1,296407E+09	1,296400E+09	1,175885E+09	9,662183E+08
2479	7,198471E+08	5,027937E+08	3,769503E+08	3,769502E+08	5,027940E+08	7,198471E+08	9,662206E+08	1,175887E+09	1,296399E+09	1,296410E+09	1,175913E+09	9,662529E+08
2480	7,198810E+08	5,028276E+08	3,769808E+08	3,769799E+08	5,028318E+08	7,198930E+08	9,662597E+08	1,175907E+09	1,296392E+09	1,296382E+09	1,175879E+09	9,662237E+08
2481	7,198547E+08	5,028049E+08	3,769684E+08	3,769764E+08	5,028239E+08	7,198756E+08	9,662412E+08	1,175893E+09	1,296391E+09	1,296391E+09	1,175891E+09	9,662325E+08
2482	7,198604E+08	5,028049E+08	3,769602E+08	3,769571E+08	5,027983E+08	7,198542E+08	9,662343E+08	1,175898E+09	1,296398E+09	1,296399E+09	1,175905E+09	9,662567E+08
2483	7,198895E+08	5,028282E+08	3,769734E+08	3,769712E+08	5,028236E+08	7,198827E+08	9,662550E+08	1,175915E+09	1,296413E+09	1,296406E+09	1,175891E+09	9,662201E+08
2484	7,198437E+08	5,027883E+08	3,769435E+08	3,769414E+08	5,027833E+08	7,198392E+08	9,662196E+08	1,175896E+09	1,296417E+09	1,296429E+09	1,175923E+09	9,662498E+08
2485	7,198605E+08	5,027928E+08	3,769395E+08	3,769351E+08	5,027854E+08	7,198531E+08	9,662357E+08	1,175901E+09	1,296409E+09	1,296417E+09	1,175918E+09	9,662540E+08
2486	7,198666E+08	5,027906E+08	3,769337E+08	3,769395E+08	5,028033E+08	7,198718E+08	9,662510E+08	1,175916E+09	1,296422E+09	1,296421E+09	1,175907E+09	9,662286E+08
2487	7,198343E+08	5,027567E+08	3,768982E+08	3,768956E+08	5,027542E+08	7,198348E+08	9,662344E+08	1,175918E+09	1,296437E+09	1,296445E+09	1,175939E+09	9,662619E+08
2488	7,198599E+08	5,027754E+08	3,769099E+08	3,769049E+08	5,027699E+08	7,198649E+08	9,662752E+08	1,175955E+09	1,296449E+09	1,296430E+09	1,175909E+09	9,662338E+08
2489	7,198370E+08	5,027552E+08	3,768976E+08	3,769031E+08	5,027666E+08	7,198488E+08	9,662569E+08	1,175948E+09	1,296464E+09	1,296451E+09	1,175919E+09	9,662267E+08
2490	7,198241E+08	5,027430E+08	3,768839E+08	3,768823E+08	5,027396E+08	7,198192E+08	9,662300E+08	1,175930E+09	1,296459E+09	1,296465E+09	1,175948E+09	9,662621E+08
2491	7,198600E+08	5,027773E+08	3,769130E+08	3,769128E+08	5,027821E+08	7,198667E+08	9,662593E+08	1,175935E+09	1,296449E+09	1,296450E+09	1,175928E+09	9,662338E+08
2492	7,198291E+08	5,027537E+08	3,769029E+08	3,769068E+08	5,027652E+08	7,198419E+08	9,662348E+08	1,175911E+09	1,296431E+09	1,296443E+09	1,175936E+09	9,662541E+08
2493	7,198519E+08	5,027739E+08	3,769193E+08	3,769192E+08	5,027745E+08	7,198474E+08	9,662370E+08	1,175903E+09	1,296404E+09	1,296406E+09	1,175912E+09	9,662602E+08
2494	7,198833E+08	5,028116E+08	3,769539E+08	3,769571E+08	5,028175E+08	7,198810E+08	9,662534E+08	1,175910E+09	1,296401E+09	1,296386E+09	1,175874E+09	9,662164E+08
2495	7,198505E+08	5,027972E+08	3,769528E+08	3,769502E+08	5,027917E+08	7,198439E+08	9,662161E+08	1,175881E+09	1,296390E+09	1,296393E+09	1,175894E+09	9,662407E+08
2496	7,198777E+08	5,028324E+08	3,769909E+08	3,769862E+08	5,028248E+08	7,198741E+08	9,662398E+08	1,175888E+09	1,296369E+09	1,296357E+09	1,175861E+09	9,662222E+08
2497	7,198721E+08	5,028350E+08	3,770044E+08	3,770141E+08	5,028574E+08	7,198915E+08	9,662346E+08	1,175872E+09	1,296361E+09	1,296356E+09	1,175854E+09	9,662052E+08
2498	7,198542E+08	5,028242E+08	3,769974E+08	3,769987E+08	5,028305E+08	7,198624E+08	9,662091E+08	1,175848E+09	1,296343E+09	1,296357E+09	1,175880E+09	9,662464E+08
2499	7,198981E+08	5,028622E+08	3,770257E+08	3,770243E+08	5,028654E+08	7,199082E+08	9,662514E+08	1,175874E+09	1,296347E+09	1,296341E+09	1,175852E+09	9,662168E+08
2500	7,198725E+08	5,028410E+08	3,770126E+08	3,770157E+08	5,028475E+08	7,198792E+08	9,662282E+08	1,175870E+09	1,296360E+09	1,296355E+09	1,175860E+09	9,662219E+08
2501	7,198748E+08	5,028395E+08	3,770043E+08	3,769998E+08	5,028282E+08	7,198575E+08	9,662072E+08	1,175856E+09	1,296353E+09	1,296356E+09	1,175871E+09	9,662408E+08
2502	7,198993E+08	5,028611E+08	3,770190E+08	3,770177E+08	5,028596E+08	7,198956E+08	9,662360E+08	1,175873E+09	1,296363E+09	1,296358E+09	1,175858E+09	9,662102E+08
2503	7,198561E+08	5,028188E+08	3,769866E+08	3,769853E+08	5,028171E+08	7,198547E+08	9,662086E+08	1,175859E+09	1,296367E+09	1,296382E+09	1,175895E+09	9,662429E+08
2504	7,198725E+08	5,028214E+08	3,769803E+08	3,769775E+08	5,028174E+08	7,198700E+08	9,662399E+08	1,175887E+09	1,296367E+09	1,296363E+09	1,175876E+09	9,662374E+08
2505	7,198745E+08	5,028167E+08	3,769708E+08	3,769783E+08	5,028347E+08	7,198914E+08	9,662558E+08	1,175907E+09	1,296397E+09	1,296382E+09	1,175870E+09	9,662082E+08
2506	7,198385E+08	5,027846E+08	3,769386E+08	3,769341E+08	5,027789E+08	7,198406E+08	9,662215E+08	1,175893E+09	1,296407E+09	1,296412E+09	1,175910E+09	9,662470E+08
2507	7,198687E+08	5,028054E+08	3,769518E+08	3,769461E+08	5,027977E+08	7,198714E+08	9,662574E+08	1,175920E+09	1,296418E+09	1,296411E+09	1,175895E+09	9,662270E+08
2508	7,198482E+08	5,027862E+08	3,769409E+08	3,769454E+08	5,027948E+08	7,198533E+08	9,662369E+08	1,175915E+09	1,296429E+09	1,296424E+09	1,175903E+09	9,662261E+08

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2509	7,198402E+08	5,027758E+08	3,769283E+08	3,769294E+08	5,027779E+08	7,198316E+08	9,662033E+08	1,175876E+09	1,296396E+09	1,296412E+09	1,175917E+09	9,662573E+08
2510	7,198801E+08	5,028159E+08	3,769624E+08	3,769625E+08	5,028212E+08	7,198864E+08	9,662497E+08	1,175894E+09	1,296384E+09	1,296382E+09	1,175883E+09	9,662274E+08
2511	7,198540E+08	5,027976E+08	3,769565E+08	3,769575E+08	5,028000E+08	7,198545E+08	9,662239E+08	1,175877E+09	1,296376E+09	1,296380E+09	1,175888E+09	9,662386E+08
2512	7,198701E+08	5,028180E+08	3,769768E+08	3,769735E+08	5,028094E+08	7,198568E+08	9,662267E+08	1,175877E+09	1,296357E+09	1,296346E+09	1,175857E+09	9,662306E+08
2513	7,198898E+08	5,028496E+08	3,770099E+08	3,770142E+08	5,028598E+08	7,198983E+08	9,662416E+08	1,175878E+09	1,296360E+09	1,296341E+09	1,175832E+09	9,661886E+08
2514	7,198510E+08	5,028314E+08	3,770079E+08	3,770077E+08	5,028343E+08	7,198578E+08	9,661948E+08	1,175835E+09	1,296336E+09	1,296347E+09	1,175862E+09	9,662265E+08
2515	7,198862E+08	5,028646E+08	3,770403E+08	3,770399E+08	5,028697E+08	7,198981E+08	9,662298E+08	1,175845E+09	1,296319E+09	1,296320E+09	1,175839E+09	9,662167E+08
2516	7,198869E+08	5,028680E+08	3,770496E+08	3,770597E+08	5,028913E+08	7,199085E+08	9,662331E+08	1,175851E+09	1,296323E+09	1,296314E+09	1,175827E+09	9,662018E+08
2517	7,198737E+08	5,028596E+08	3,770407E+08	3,770423E+08	5,028638E+08	7,198733E+08	9,661942E+08	1,175816E+09	1,296299E+09	1,296309E+09	1,175844E+09	9,662358E+08
2518	7,199166E+08	5,029013E+08	3,770732E+08	3,770684E+08	5,028952E+08	7,199182E+08	9,662389E+08	1,175844E+09	1,296305E+09	1,296294E+09	1,175816E+09	9,662075E+08
2519	7,198908E+08	5,028795E+08	3,770612E+08	3,770607E+08	5,028744E+08	7,198810E+08	9,662069E+08	1,175833E+09	1,296317E+09	1,296318E+09	1,175835E+09	9,662129E+08
2520	7,198872E+08	5,028732E+08	3,770513E+08	3,770472E+08	5,028607E+08	7,198656E+08	9,661920E+08	1,175822E+09	1,296307E+09	1,296310E+09	1,175837E+09	9,662253E+08
2521	7,199055E+08	5,028880E+08	3,770599E+08	3,770623E+08	5,028977E+08	7,199183E+08	9,662310E+08	1,175840E+09	1,296317E+09	1,296314E+09	1,175825E+09	9,661940E+08
2522	7,198610E+08	5,028450E+08	3,770254E+08	3,770254E+08	5,028476E+08	7,198701E+08	9,662034E+08	1,175830E+09	1,296319E+09	1,296333E+09	1,175860E+09	9,662307E+08
2523	7,198841E+08	5,028498E+08	3,770178E+08	3,770155E+08	5,028463E+08	7,198843E+08	9,662360E+08	1,175866E+09	1,296339E+09	1,296331E+09	1,175846E+09	9,662230E+08
2524	7,198847E+08	5,028466E+08	3,770097E+08	3,770140E+08	5,028554E+08	7,198936E+08	9,662452E+08	1,175890E+09	1,296376E+09	1,296356E+09	1,175844E+09	9,661953E+08
2525	7,198480E+08	5,028143E+08	3,769792E+08	3,769761E+08	5,028085E+08	7,198431E+08	9,661947E+08	1,175852E+09	1,296365E+09	1,296378E+09	1,175884E+09	9,662354E+08
2526	7,198794E+08	5,028383E+08	3,769974E+08	3,769928E+08	5,028329E+08	7,198837E+08	9,662377E+08	1,175874E+09	1,296364E+09	1,296363E+09	1,175869E+09	9,662245E+08
2527	7,198658E+08	5,028212E+08	3,769877E+08	3,769923E+08	5,028288E+08	7,198664E+08	9,662215E+08	1,175871E+09	1,296371E+09	1,296373E+09	1,175876E+09	9,662232E+08
2528	7,198598E+08	5,028135E+08	3,769776E+08	3,769791E+08	5,028138E+08	7,198483E+08	9,662009E+08	1,175848E+09	1,296342E+09	1,296349E+09	1,175869E+09	9,662405E+08
2529	7,198949E+08	5,028535E+08	3,770119E+08	3,770126E+08	5,028598E+08	7,199061E+08	9,662456E+08	1,175869E+09	1,296343E+09	1,296330E+09	1,175836E+09	9,662022E+08
2530	7,198619E+08	5,028358E+08	3,770096E+08	3,770093E+08	5,028351E+08	7,198650E+08	9,662087E+08	1,175842E+09	1,296330E+09	1,296331E+09	1,175847E+09	9,662175E+08
2531	7,198793E+08	5,028548E+08	3,770296E+08	3,770280E+08	5,028493E+08	7,198709E+08	9,662108E+08	1,175839E+09	1,296317E+09	1,296313E+09	1,175829E+09	9,662145E+08
2532	7,198976E+08	5,028832E+08	3,770598E+08	3,770656E+08	5,028975E+08	7,199119E+08	9,662280E+08	1,175844E+09	1,296319E+09	1,296305E+09	1,175809E+09	9,661821E+08
2533	7,198643E+08	5,028644E+08	3,770545E+08	3,770590E+08	5,028772E+08	7,198765E+08	9,661786E+08	1,175788E+09	1,296276E+09	1,296295E+09	1,175831E+09	9,662206E+08
2534	7,199055E+08	5,029031E+08	3,770886E+08	3,770879E+08	5,029065E+08	7,199175E+08	9,662256E+08	1,175813E+09	1,296263E+09	1,296259E+09	1,175801E+09	9,662134E+08
2535	7,199115E+08	5,029107E+08	3,771002E+08	3,771059E+08	5,029203E+08	7,199149E+08	9,662197E+08	1,175821E+09	1,296280E+09	1,296266E+09	1,175790E+09	9,661917E+08
2536	7,198938E+08	5,029025E+08	3,770939E+08	3,770914E+08	5,028931E+08	7,198773E+08	9,661790E+08	1,175786E+09	1,296257E+09	1,296260E+09	1,175800E+09	9,662131E+08
2537	7,199250E+08	5,029369E+08	3,771232E+08	3,771190E+08	5,029312E+08	7,199285E+08	9,662213E+08	1,175807E+09	1,296263E+09	1,296255E+09	1,175783E+09	9,661853E+08
2538	7,198926E+08	5,029102E+08	3,771087E+08	3,771102E+08	5,029114E+08	7,198929E+08	9,661870E+08	1,175786E+09	1,296262E+09	1,296271E+09	1,175806E+09	9,662009E+08
2539	7,198949E+08	5,029007E+08	3,770923E+08	3,770919E+08	5,028982E+08	7,198869E+08	9,661859E+08	1,175787E+09	1,296262E+09	1,296273E+09	1,175810E+09	9,662152E+08
2540	7,199149E+08	5,029144E+08	3,770961E+08	3,770991E+08	5,029254E+08	7,199340E+08	9,662348E+08	1,175828E+09	1,296288E+09	1,296277E+09	1,175797E+09	9,661855E+08
2541	7,198736E+08	5,028728E+08	3,770602E+08	3,770618E+08	5,028764E+08	7,198796E+08	9,661917E+08	1,175803E+09	1,296285E+09	1,296294E+09	1,175826E+09	9,662161E+08
2542	7,198953E+08	5,028810E+08	3,770568E+08	3,770524E+08	5,028711E+08	7,198921E+08	9,662258E+08	1,175841E+09	1,296305E+09	1,296295E+09	1,175820E+09	9,662155E+08
2543	7,198979E+08	5,028791E+08	3,770528E+08	3,770553E+08	5,028801E+08	7,198936E+08	9,662244E+08	1,175857E+09	1,296340E+09	1,296327E+09	1,175827E+09	9,661912E+08
2544	7,198612E+08	5,028468E+08	3,770243E+08	3,770222E+08	5,028406E+08	7,198513E+08	9,661777E+08	1,175812E+09	1,296314E+09	1,296331E+09	1,175853E+09	9,662252E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2545	7,198907E+08	5,028697E+08	3,770419E+08	3,770401E+08	5,028712E+08	7,199038E+08	9,662299E+08	1,175836E+09	1,296309E+09	1,296312E+09	1,175834E+09	9,662110E+08
2546	7,198777E+08	5,028566E+08	3,770348E+08	3,770393E+08	5,028634E+08	7,198814E+08	9,662123E+08	1,175833E+09	1,296310E+09	1,296310E+09	1,175832E+09	9,662094E+08
2547	7,198760E+08	5,028521E+08	3,770266E+08	3,770278E+08	5,028501E+08	7,198638E+08	9,661918E+08	1,175818E+09	1,296302E+09	1,296303E+09	1,175825E+09	9,662183E+08
2548	7,199054E+08	5,028910E+08	3,770621E+08	3,770609E+08	5,028918E+08	7,199153E+08	9,662352E+08	1,175844E+09	1,296310E+09	1,296291E+09	1,175799E+09	9,661818E+08
2549	7,198703E+08	5,028707E+08	3,770596E+08	3,770634E+08	5,028771E+08	7,198757E+08	9,661856E+08	1,175797E+09	1,296279E+09	1,296286E+09	1,175812E+09	9,661997E+08
2550	7,198882E+08	5,028908E+08	3,770811E+08	3,770821E+08	5,028927E+08	7,198915E+08	9,662001E+08	1,175799E+09	1,296261E+09	1,296260E+09	1,175799E+09	9,662101E+08
2551	7,199137E+08	5,029205E+08	3,771111E+08	3,771176E+08	5,029356E+08	7,199279E+08	9,662194E+08	1,175809E+09	1,296267E+09	1,296258E+09	1,175782E+09	9,661798E+08
2552	7,198854E+08	5,029049E+08	3,771062E+08	3,771098E+08	5,029127E+08	7,198919E+08	9,661766E+08	1,175763E+09	1,296228E+09	1,296239E+09	1,175789E+09	9,662068E+08
2553	7,199226E+08	5,029436E+08	3,771398E+08	3,771374E+08	5,029417E+08	7,199311E+08	9,662169E+08	1,175786E+09	1,296226E+09	1,296216E+09	1,175763E+09	9,661932E+08
2554	7,199226E+08	5,029510E+08	3,771525E+08	3,771543E+08	5,029509E+08	7,199190E+08	9,661980E+08	1,175781E+09	1,296233E+09	1,296224E+09	1,175759E+09	9,661785E+08
2555	7,199060E+08	5,029392E+08	3,771441E+08	3,771422E+08	5,029300E+08	7,198867E+08	9,661567E+08	1,175744E+09	1,296217E+09	1,296228E+09	1,175775E+09	9,662010E+08
2556	7,199332E+08	5,029670E+08	3,771670E+08	3,771646E+08	5,029655E+08	7,199398E+08	9,662058E+08	1,175770E+09	1,296219E+09	1,296216E+09	1,175759E+09	9,661787E+08
2557	7,199033E+08	5,029368E+08	3,771466E+08	3,771537E+08	5,029499E+08	7,199106E+08	9,661758E+08	1,175745E+09	1,296203E+09	1,296217E+09	1,175771E+09	9,661912E+08
2558	7,199084E+08	5,029316E+08	3,771312E+08	3,771306E+08	5,029294E+08	7,199059E+08	9,661890E+08	1,175766E+09	1,296214E+09	1,296215E+09	1,175773E+09	9,662066E+08
2559	7,199293E+08	5,029469E+08	3,771365E+08	3,771358E+08	5,029477E+08	7,199379E+08	9,662258E+08	1,175808E+09	1,296258E+09	1,296240E+09	1,175766E+09	9,661728E+08
2560	7,198860E+08	5,029066E+08	3,771037E+08	3,771020E+08	5,029007E+08	7,198834E+08	9,661813E+08	1,175780E+09	1,296252E+09	1,296258E+09	1,175792E+09	9,661958E+08
2561	7,199000E+08	5,029104E+08	3,770998E+08	3,770962E+08	5,029029E+08	7,199001E+08	9,662087E+08	1,175807E+09	1,296268E+09	1,296263E+09	1,175795E+09	9,661986E+08
2562	7,199012E+08	5,029079E+08	3,770956E+08	3,770993E+08	5,029131E+08	7,199033E+08	9,662046E+08	1,175811E+09	1,296285E+09	1,296282E+09	1,175802E+09	9,661860E+08
2563	7,198737E+08	5,028770E+08	3,770666E+08	3,770673E+08	5,028778E+08	7,198701E+08	9,661696E+08	1,175776E+09	1,296266E+09	1,296287E+09	1,175822E+09	9,662163E+08
2564	7,199042E+08	5,029012E+08	3,770834E+08	3,770816E+08	5,029017E+08	7,199164E+08	9,662272E+08	1,175816E+09	1,296271E+09	1,296266E+09	1,175800E+09	9,662000E+08
2565	7,198925E+08	5,028905E+08	3,770782E+08	3,770844E+08	5,028988E+08	7,198927E+08	9,661987E+08	1,175799E+09	1,296264E+09	1,296261E+09	1,175791E+09	9,661906E+08
2566	7,198883E+08	5,028908E+08	3,770766E+08	3,770756E+08	5,028838E+08	7,198762E+08	9,661828E+08	1,175789E+09	1,296256E+09	1,296255E+09	1,175792E+09	9,662054E+08
2567	7,199165E+08	5,029286E+08	3,771148E+08	3,771128E+08	5,029267E+08	7,199213E+08	9,662159E+08	1,175808E+09	1,296267E+09	1,296253E+09	1,175774E+09	9,661737E+08
2568	7,198845E+08	5,029088E+08	3,771128E+08	3,771179E+08	5,029184E+08	7,198924E+08	9,661737E+08	1,175757E+09	1,296225E+09	1,296235E+09	1,175777E+09	9,661873E+08
2569	7,199012E+08	5,029273E+08	3,771320E+08	3,771350E+08	5,029354E+08	7,199137E+08	9,661951E+08	1,175764E+09	1,296208E+09	1,296209E+09	1,175765E+09	9,661971E+08
2570	7,199285E+08	5,029608E+08	3,771633E+08	3,771680E+08	5,029715E+08	7,199402E+08	9,662079E+08	1,175773E+09	1,296211E+09	1,296199E+09	1,175743E+09	9,661705E+08
2571	7,199053E+08	5,029479E+08	3,771604E+08	3,771616E+08	5,029486E+08	7,199014E+08	9,661591E+08	1,175729E+09	1,296189E+09	1,296196E+09	1,175750E+09	9,661893E+08
2572	7,199356E+08	5,029830E+08	3,771922E+08	3,771875E+08	5,029741E+08	7,199354E+08	9,661977E+08	1,175752E+09	1,296187E+09	1,296179E+09	1,175733E+09	9,661785E+08
2573	7,199327E+08	5,029853E+08	3,772014E+08	3,772073E+08	5,029928E+08	7,199290E+08	9,661707E+08	1,175727E+09	1,296172E+09	1,296173E+09	1,175725E+09	9,661637E+08
2574	7,199151E+08	5,029725E+08	3,771910E+08	3,771909E+08	5,029706E+08	7,199082E+08	9,661485E+08	1,175704E+09	1,296155E+09	1,296170E+09	1,175743E+09	9,661951E+08
2575	7,199454E+08	5,029978E+08	3,772102E+08	3,772086E+08	5,029991E+08	7,199561E+08	9,662038E+08	1,175745E+09	1,296173E+09	1,296168E+09	1,175727E+09	9,661724E+08
2576	7,199192E+08	5,029692E+08	3,771879E+08	3,771940E+08	5,029799E+08	7,199264E+08	9,661797E+08	1,175730E+09	1,296167E+09	1,296168E+09	1,175729E+09	9,661722E+08
2577	7,199170E+08	5,029618E+08	3,771713E+08	3,771690E+08	5,029574E+08	7,199181E+08	9,661868E+08	1,175752E+09	1,296191E+09	1,296185E+09	1,175741E+09	9,661851E+08
2578	7,199331E+08	5,029766E+08	3,771778E+08	3,771740E+08	5,029714E+08	7,199393E+08	9,662081E+08	1,175778E+09	1,296223E+09	1,296210E+09	1,175745E+09	9,661635E+08
2579	7,198943E+08	5,029353E+08	3,771450E+08	3,771440E+08	5,029310E+08	7,198887E+08	9,661587E+08	1,175745E+09	1,296221E+09	1,296234E+09	1,175774E+09	9,661884E+08
2580	7,199077E+08	5,029362E+08	3,771379E+08	3,771357E+08	5,029329E+08	7,199087E+08	9,661924E+08	1,175771E+09	1,296226E+09	1,296230E+09	1,175777E+09	9,661973E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2581	7,199152E+08	5,029351E+08	3,771329E+08	3,771402E+08	5,029476E+08	7,199167E+08	9,661900E+08	1,175768E+09	1,296224E+09	1,296225E+09	1,175767E+09	9,661789E+08
2582	7,198915E+08	5,029127E+08	3,771099E+08	3,771088E+08	5,029098E+08	7,198864E+08	9,661677E+08	1,175751E+09	1,296212E+09	1,296223E+09	1,175781E+09	9,662068E+08
2583	7,199209E+08	5,029399E+08	3,771323E+08	3,771267E+08	5,029304E+08	7,199210E+08	9,662136E+08	1,175790E+09	1,296232E+09	1,296220E+09	1,175761E+09	9,661840E+08
2584	7,199063E+08	5,029303E+08	3,771312E+08	3,771350E+08	5,029339E+08	7,199034E+08	9,661872E+08	1,175767E+09	1,296219E+09	1,296213E+09	1,175749E+09	9,661658E+08
2585	7,198931E+08	5,029262E+08	3,771300E+08	3,771307E+08	5,029268E+08	7,198934E+08	9,661699E+08	1,175753E+09	1,296212E+09	1,296214E+09	1,175760E+09	9,661848E+08
2586	7,199203E+08	5,029622E+08	3,771660E+08	3,771655E+08	5,029679E+08	7,199382E+08	9,662012E+08	1,175764E+09	1,296209E+09	1,296204E+09	1,175746E+09	9,661684E+08
2587	7,199001E+08	5,029454E+08	3,771636E+08	3,771706E+08	5,029610E+08	7,199129E+08	9,661660E+08	1,175727E+09	1,296182E+09	1,296190E+09	1,175744E+09	9,661790E+08
2588	7,199182E+08	5,029647E+08	3,771807E+08	3,771826E+08	5,029696E+08	7,199248E+08	9,661857E+08	1,175739E+09	1,296170E+09	1,296166E+09	1,175732E+09	9,661886E+08
2589	7,199465E+08	5,029987E+08	3,772122E+08	3,772170E+08	5,030069E+08	7,199478E+08	9,661870E+08	1,175732E+09	1,296160E+09	1,296149E+09	1,175705E+09	9,661570E+08
2590	7,199218E+08	5,029900E+08	3,772144E+08	3,772128E+08	5,029842E+08	7,199124E+08	9,661448E+08	1,175691E+09	1,296132E+09	1,296142E+09	1,175718E+09	9,661812E+08
2591	7,199493E+08	5,030209E+08	3,772448E+08	3,772393E+08	5,030096E+08	7,199407E+08	9,661735E+08	1,175709E+09	1,296136E+09	1,296134E+09	1,175705E+09	9,661718E+08
2592	7,199476E+08	5,030212E+08	3,772506E+08	3,772570E+08	5,030327E+08	7,199498E+08	9,661632E+08	1,175686E+09	1,296113E+09	1,296115E+09	1,175685E+09	9,661483E+08
2593	7,199255E+08	5,030048E+08	3,772362E+08	3,772369E+08	5,030088E+08	7,199316E+08	9,661508E+08	1,175679E+09	1,296108E+09	1,296118E+09	1,175702E+09	9,661749E+08
2594	7,199533E+08	5,030293E+08	3,772523E+08	3,772486E+08	5,030275E+08	7,199668E+08	9,661979E+08	1,175724E+09	1,296134E+09	1,296120E+09	1,175690E+09	9,661581E+08
2595	7,199310E+08	5,030019E+08	3,772309E+08	3,772347E+08	5,030077E+08	7,199330E+08	9,661663E+08	1,175713E+09	1,296149E+09	1,296141E+09	1,175697E+09	9,661532E+08
2596	7,199220E+08	5,029892E+08	3,772110E+08	3,772075E+08	5,029816E+08	7,199186E+08	9,661686E+08	1,175727E+09	1,296167E+09	1,296164E+09	1,175724E+09	9,661754E+08
2597	7,199389E+08	5,030002E+08	3,772152E+08	3,772153E+08	5,030034E+08	7,199444E+08	9,661816E+08	1,175731E+09	1,296173E+09	1,296172E+09	1,175724E+09	9,661585E+08
2598	7,199055E+08	5,029639E+08	3,771852E+08	3,771849E+08	5,029640E+08	7,199056E+08	9,661500E+08	1,175706E+09	1,296162E+09	1,296182E+09	1,175752E+09	9,661903E+08
2599	7,199239E+08	5,029672E+08	3,771793E+08	3,771767E+08	5,029624E+08	7,199188E+08	9,661822E+08	1,175741E+09	1,296179E+09	1,296182E+09	1,175747E+09	9,661945E+08
2600	7,199358E+08	5,029719E+08	3,771774E+08	3,771818E+08	5,029790E+08	7,199324E+08	9,661870E+08	1,175743E+09	1,296179E+09	1,296170E+09	1,175721E+09	9,661589E+08
2601	7,199033E+08	5,029490E+08	3,771579E+08	3,771544E+08	5,029437E+08	7,199014E+08	9,661623E+08	1,175729E+09	1,296179E+09	1,296183E+09	1,175741E+09	9,661807E+08
2602	7,199256E+08	5,029744E+08	3,771818E+08	3,771751E+08	5,029638E+08	7,199286E+08	9,661968E+08	1,175757E+09	1,296190E+09	1,296179E+09	1,175730E+09	9,661703E+08
2603	7,199153E+08	5,029642E+08	3,771817E+08	3,771880E+08	5,029749E+08	7,199163E+08	9,661667E+08	1,175732E+09	1,296183E+09	1,296177E+09	1,175720E+09	9,661532E+08
2604	7,199006E+08	5,029561E+08	3,771765E+08	3,771797E+08	5,029658E+08	7,199108E+08	9,661595E+08	1,175717E+09	1,296165E+09	1,296173E+09	1,175736E+09	9,661815E+08
2605	7,199358E+08	5,029938E+08	3,772111E+08	3,772142E+08	5,030072E+08	7,199551E+08	9,661889E+08	1,175721E+09	1,296145E+09	1,296142E+09	1,175708E+09	9,661614E+08
2606	7,199213E+08	5,029872E+08	3,772149E+08	3,772188E+08	5,029956E+08	7,199276E+08	9,661588E+08	1,175696E+09	1,296125E+09	1,296127E+09	1,175704E+09	9,661711E+08
2607	7,199388E+08	5,030094E+08	3,772369E+08	3,772341E+08	5,030014E+08	7,199270E+08	9,661629E+08	1,175704E+09	1,296127E+09	1,296120E+09	1,175695E+09	9,661761E+08
2608	7,199653E+08	5,030435E+08	3,772699E+08	3,772714E+08	5,030445E+08	7,199584E+08	9,661675E+08	1,175688E+09	1,296105E+09	1,296094E+09	1,175661E+09	9,661346E+08
2609	7,199304E+08	5,030283E+08	3,772702E+08	3,772700E+08	5,030291E+08	7,199317E+08	9,661314E+08	1,175651E+09	1,296080E+09	1,296092E+09	1,175678E+09	9,661590E+08
2610	7,199548E+08	5,030541E+08	3,772943E+08	3,772907E+08	5,030504E+08	7,199600E+08	9,661638E+08	1,175670E+09	1,296078E+09	1,296078E+09	1,175669E+09	9,661612E+08
2611	7,199603E+08	5,030537E+08	3,772962E+08	3,773043E+08	5,030709E+08	7,199698E+08	9,661605E+08	1,175668E+09	1,296081E+09	1,296072E+09	1,175647E+09	9,661321E+08
2612	7,199342E+08	5,030335E+08	3,772760E+08	3,772760E+08	5,030371E+08	7,199439E+08	9,661485E+08	1,175667E+09	1,296087E+09	1,296089E+09	1,175675E+09	9,661628E+08
2613	7,199621E+08	5,030553E+08	3,772896E+08	3,772865E+08	5,030537E+08	7,199717E+08	9,661810E+08	1,175693E+09	1,296100E+09	1,296088E+09	1,175665E+09	9,661477E+08
2614	7,199421E+08	5,030328E+08	3,772723E+08	3,772740E+08	5,030334E+08	7,199382E+08	9,661509E+08	1,175683E+09	1,296109E+09	1,296108E+09	1,175682E+09	9,661531E+08
2615	7,199345E+08	5,030186E+08	3,772524E+08	3,772487E+08	5,030089E+08	7,199191E+08	9,661408E+08	1,175686E+09	1,296126E+09	1,296133E+09	1,175709E+09	9,661787E+08
2616	7,199573E+08	5,030316E+08	3,772557E+08	3,772553E+08	5,030349E+08	7,199605E+08	9,661703E+08	1,175688E+09	1,296114E+09	1,296119E+09	1,175690E+09	9,661504E+08

1 Years	Longitude $\odot$											
	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2617	7,199209E+08	5,029965E+08	3,772281E+08	3,772275E+08	5,029979E+08	7,199253E+08	9,661496E+08	1,175680E+09	1,296111E+09	1,296125E+09	1,175708E+09	9,661716E+08
2618	7,199361E+08	5,030016E+08	3,772230E+08	3,772180E+08	5,029910E+08	7,199285E+08	9,661721E+08	1,175713E+09	1,296134E+09	1,296127E+09	1,175703E+09	9,661771E+08
2619	7,199487E+08	5,030082E+08	3,772255E+08	3,772284E+08	5,030122E+08	7,199431E+08	9,661732E+08	1,175721E+09	1,296154E+09	1,296133E+09	1,175680E+09	9,661338E+08
2620	7,199066E+08	5,029791E+08	3,772041E+08	3,772018E+08	5,029777E+08	7,199113E+08	9,661470E+08	1,175700E+09	1,296147E+09	1,296152E+09	1,175714E+09	9,661641E+08
2621	7,199282E+08	5,029985E+08	3,772243E+08	3,772237E+08	5,030029E+08	7,199423E+08	9,661763E+08	1,175711E+09	1,296136E+09	1,296133E+09	1,175701E+09	9,661611E+08
2622	7,199268E+08	5,029962E+08	3,772279E+08	3,772360E+08	5,030136E+08	7,199387E+08	9,661636E+08	1,175698E+09	1,296125E+09	1,296123E+09	1,175694E+09	9,661532E+08
2623	7,199191E+08	5,029924E+08	3,772247E+08	3,772273E+08	5,029985E+08	7,199203E+08	9,661471E+08	1,175688E+09	1,296120E+09	1,296125E+09	1,175705E+09	9,661796E+08
2624	7,199613E+08	5,030375E+08	3,772629E+08	3,772614E+08	5,030399E+08	7,199688E+08	9,661790E+08	1,175688E+09	1,296096E+09	1,296087E+09	1,175663E+09	9,661444E+08
2625	7,199394E+08	5,030322E+08	3,772724E+08	3,772728E+08	5,030325E+08	7,199401E+08	9,661457E+08	1,175662E+09	1,296080E+09	1,296079E+09	1,175661E+09	9,661476E+08
2626	7,199502E+08	5,030514E+08	3,772937E+08	3,772894E+08	5,030389E+08	7,199339E+08	9,661374E+08	1,175658E+09	1,296072E+09	1,296070E+09	1,175661E+09	9,661629E+08
2627	7,199782E+08	5,030821E+08	3,773251E+08	3,773286E+08	5,030892E+08	7,199744E+08	9,661461E+08	1,175647E+09	1,296060E+09	1,296049E+09	1,175625E+09	9,661183E+08
2628	7,199383E+08	5,030592E+08	3,773173E+08	3,773205E+08	5,030700E+08	7,199534E+08	9,661256E+08	1,175618E+09	1,296032E+09	1,296046E+09	1,175647E+09	9,661487E+08
2629	7,199648E+08	5,030810E+08	3,773354E+08	3,773360E+08	5,030865E+08	7,199774E+08	9,661577E+08	1,175639E+09	1,296026E+09	1,296021E+09	1,175629E+09	9,661485E+08
2630	7,199752E+08	5,030888E+08	3,773408E+08	3,773465E+08	5,031004E+08	7,199833E+08	9,661577E+08	1,175648E+09	1,296041E+09	1,296026E+09	1,175616E+09	9,661227E+08
2631	7,199477E+08	5,030681E+08	3,773216E+08	3,773185E+08	5,030615E+08	7,199435E+08	9,661281E+08	1,175640E+09	1,296059E+09	1,296063E+09	1,175653E+09	9,661552E+08
2632	7,199769E+08	5,030900E+08	3,773345E+08	3,773288E+08	5,030824E+08	7,199800E+08	9,661619E+08	1,175652E+09	1,296054E+09	1,296049E+09	1,175637E+09	9,661351E+08
2633	7,199517E+08	5,030641E+08	3,773167E+08	3,773194E+08	5,030686E+08	7,199532E+08	9,661373E+08	1,175644E+09	1,296062E+09	1,296067E+09	1,175653E+09	9,661409E+08
2634	7,199450E+08	5,030483E+08	3,772931E+08	3,772911E+08	5,030420E+08	7,199339E+08	9,661288E+08	1,175648E+09	1,296071E+09	1,296081E+09	1,175678E+09	9,661738E+08
2635	7,199741E+08	5,030636E+08	3,772970E+08	3,772975E+08	5,030672E+08	7,199744E+08	9,661629E+08	1,175669E+09	1,296082E+09	1,296071E+09	1,175649E+09	9,661324E+08
2636	7,199298E+08	5,030251E+08	3,772670E+08	3,772666E+08	5,030264E+08	7,199384E+08	9,661468E+08	1,175665E+09	1,296086E+09	1,296090E+09	1,175673E+09	9,661532E+08
2637	7,199414E+08	5,030269E+08	3,772622E+08	3,772593E+08	5,030202E+08	7,199375E+08	9,661588E+08	1,175683E+09	1,296094E+09	1,296086E+09	1,175669E+09	9,661583E+08
2638	7,199554E+08	5,030390E+08	3,772697E+08	3,772726E+08	5,030433E+08	7,199540E+08	9,661614E+08	1,175689E+09	1,296110E+09	1,296096E+09	1,175659E+09	9,661268E+08
2639	7,199159E+08	5,030093E+08	3,772488E+08	3,772485E+08	5,030108E+08	7,199192E+08	9,661260E+08	1,175662E+09	1,296106E+09	1,296119E+09	1,175695E+09	9,661642E+08
2640	7,199471E+08	5,030334E+08	3,772692E+08	3,772681E+08	5,030379E+08	7,199622E+08	9,661675E+08	1,175668E+09	1,296076E+09	1,296077E+09	1,175665E+09	9,661524E+08
2641	7,199460E+08	5,030357E+08	3,772781E+08	3,772849E+08	5,030496E+08	7,199561E+08	9,661592E+08	1,175670E+09	1,296075E+09	1,296066E+09	1,175648E+09	9,661362E+08
2642	7,199379E+08	5,030359E+08	3,772784E+08	3,772782E+08	5,030319E+08	7,199274E+08	9,661277E+08	1,175650E+09	1,296069E+09	1,296069E+09	1,175661E+09	9,661648E+08
2643	7,199801E+08	5,030829E+08	3,773216E+08	3,773180E+08	5,030774E+08	7,199750E+08	9,661554E+08	1,175654E+09	1,296059E+09	1,296042E+09	1,175620E+09	9,661200E+08
2644	7,199464E+08	5,030694E+08	3,773278E+08	3,773303E+08	5,030748E+08	7,199540E+08	9,661275E+08	1,175622E+09	1,296033E+09	1,296038E+09	1,175629E+09	9,661305E+08
2645	7,199554E+08	5,030814E+08	3,773433E+08	3,773449E+08	5,030838E+08	7,199537E+08	9,661202E+08	1,175606E+09	1,296007E+09	1,296013E+09	1,175624E+09	9,661499E+08
2646	7,199900E+08	5,031165E+08	3,773738E+08	3,773795E+08	5,031307E+08	7,200004E+08	9,661475E+08	1,175615E+09	1,296001E+09	1,295993E+09	1,175595E+09	9,661128E+08
2647	7,199543E+08	5,030939E+08	3,773635E+08	3,773669E+08	5,031031E+08	7,199661E+08	9,661191E+08	1,175597E+09	1,295997E+09	1,296005E+09	1,175617E+09	9,661428E+08
2648	7,199846E+08	5,031182E+08	3,773794E+08	3,773766E+08	5,031156E+08	7,199919E+08	9,661518E+08	1,175614E+09	1,295989E+09	1,295980E+09	1,175593E+09	9,661325E+08
2649	7,199883E+08	5,031258E+08	3,773888E+08	3,773917E+08	5,031301E+08	7,199921E+08	9,661478E+08	1,175624E+09	1,296010E+09	1,295994E+09	1,175586E+09	9,661065E+08
2650	7,199580E+08	5,031018E+08	3,773670E+08	3,773632E+08	5,030904E+08	7,199446E+08	9,661017E+08	1,175598E+09	1,296015E+09	1,296026E+09	1,175632E+09	9,661507E+08
2651	7,199907E+08	5,031221E+08	3,773784E+08	3,773742E+08	5,031160E+08	7,199890E+08	9,661410E+08	1,175615E+09	1,296014E+09	1,296010E+09	1,175609E+09	9,661251E+08
2652	7,199611E+08	5,030909E+08	3,773547E+08	3,773601E+08	5,031013E+08	7,199705E+08	9,661315E+08	1,175611E+09	1,296013E+09	1,296021E+09	1,175622E+09	9,661309E+08

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2653	7,199546E+08	5,030727E+08	3,773282E+08	3,773287E+08	5,030705E+08	7,199462E+08	9,661207E+08	1,175615E+09	1,296018E+09	1,296023E+09	1,175634E+09	9,661571E+08
2654	7,199865E+08	5,030963E+08	3,773380E+08	3,773362E+08	5,030938E+08	7,199863E+08	9,661592E+08	1,175647E+09	1,296042E+09	1,296027E+09	1,175614E+09	9,661166E+08
2655	7,199390E+08	5,030572E+08	3,773106E+08	3,773092E+08	5,030525E+08	7,199399E+08	9,661282E+08	1,175637E+09	1,296057E+09	1,296061E+09	1,175647E+09	9,661398E+08
2656	7,199508E+08	5,030584E+08	3,773053E+08	3,773026E+08	5,030528E+08	7,199507E+08	9,661436E+08	1,175644E+09	1,296049E+09	1,296046E+09	1,175638E+09	9,661420E+08
2657	7,199619E+08	5,030701E+08	3,773162E+08	3,773213E+08	5,030816E+08	7,199730E+08	9,661539E+08	1,175655E+09	1,296062E+09	1,296052E+09	1,175627E+09	9,661142E+08
2658	7,199283E+08	5,030423E+08	3,772940E+08	3,772956E+08	5,030463E+08	7,199338E+08	9,661149E+08	1,175625E+09	1,296052E+09	1,296068E+09	1,175665E+09	9,661597E+08
2659	7,199677E+08	5,030728E+08	3,773184E+08	3,773168E+08	5,030725E+08	7,199733E+08	9,661567E+08	1,175646E+09	1,296041E+09	1,296030E+09	1,175625E+09	9,661365E+08
2660	7,199607E+08	5,030740E+08	3,773276E+08	3,773335E+08	5,030841E+08	7,199685E+08	9,661481E+08	1,175641E+09	1,296038E+09	1,296027E+09	1,175615E+09	9,661205E+08
2661	7,199486E+08	5,030713E+08	3,773297E+08	3,773309E+08	5,030683E+08	7,199363E+08	9,661067E+08	1,175605E+09	1,296014E+09	1,296018E+09	1,175624E+09	9,661491E+08
2662	7,199929E+08	5,031225E+08	3,773765E+08	3,773740E+08	5,031183E+08	7,199892E+08	9,661387E+08	1,175609E+09	1,296000E+09	1,295993E+09	1,175594E+09	9,661121E+08
2663	7,199593E+08	5,031058E+08	3,773801E+08	3,773856E+08	5,031170E+08	7,199695E+08	9,661104E+08	1,175579E+09	1,295980E+09	1,295991E+09	1,175601E+09	9,661257E+08
2664	7,199742E+08	5,031193E+08	3,773918E+08	3,773935E+08	5,031244E+08	7,199806E+08	9,661192E+08	1,175569E+09	1,295945E+09	1,295950E+09	1,175580E+09	9,661342E+08
2665	7,200053E+08	5,031560E+08	3,774245E+08	3,774286E+08	5,031667E+08	7,200194E+08	9,661495E+08	1,175595E+09	1,295959E+09	1,295939E+09	1,175547E+09	9,660933E+08
2666	7,199700E+08	5,031343E+08	3,774135E+08	3,774143E+08	5,031341E+08	7,199724E+08	9,661042E+08	1,175569E+09	1,295961E+09	1,295964E+09	1,175582E+09	9,661287E+08
2667	7,199999E+08	5,031576E+08	3,774304E+08	3,774256E+08	5,031467E+08	7,199931E+08	9,661295E+08	1,175586E+09	1,295961E+09	1,295947E+09	1,175560E+09	9,661125E+08
2668	7,199928E+08	5,031556E+08	3,774332E+08	3,774383E+08	5,031643E+08	7,200012E+08	9,661290E+08	1,175587E+09	1,295970E+09	1,295963E+09	1,175566E+09	9,660966E+08
2669	7,199624E+08	5,031255E+08	3,774064E+08	3,774072E+08	5,031254E+08	7,199588E+08	9,660852E+08	1,175550E+09	1,295954E+09	1,295975E+09	1,175602E+09	9,661433E+08
2670	7,200029E+08	5,031511E+08	3,774176E+08	3,774142E+08	5,031469E+08	7,200052E+08	9,661378E+08	1,175582E+09	1,295959E+09	1,295961E+09	1,175583E+09	9,661199E+08
2671	7,199752E+08	5,031210E+08	3,773930E+08	3,773980E+08	5,031277E+08	7,199786E+08	9,661237E+08	1,175591E+09	1,295981E+09	1,295982E+09	1,175592E+09	9,661219E+08
2672	7,199704E+08	5,031061E+08	3,773670E+08	3,773639E+08	5,030968E+08	7,199600E+08	9,661149E+08	1,175589E+09	1,295981E+09	1,295981E+09	1,175596E+09	9,661355E+08
2673	7,199932E+08	5,031288E+08	3,773825E+08	3,773790E+08	5,031228E+08	7,199956E+08	9,661518E+08	1,175625E+09	1,296011E+09	1,295993E+09	1,175581E+09	9,660980E+08
2674	7,199463E+08	5,030877E+08	3,773538E+08	3,773542E+08	5,030851E+08	7,199459E+08	9,661071E+08	1,175600E+09	1,296017E+09	1,296027E+09	1,175626E+09	9,661341E+08
2675	7,199629E+08	5,030893E+08	3,773487E+08	3,773485E+08	5,030882E+08	7,199622E+08	9,661289E+08	1,175612E+09	1,296009E+09	1,296007E+09	1,175611E+09	9,661320E+08
2676	7,199713E+08	5,030987E+08	3,773570E+08	3,773648E+08	5,031163E+08	7,199912E+08	9,661511E+08	1,175626E+09	1,296016E+09	1,296007E+09	1,175599E+09	9,661067E+08
2677	7,199410E+08	5,030736E+08	3,773377E+08	3,773403E+08	5,030782E+08	7,199449E+08	9,661033E+08	1,175588E+09	1,295997E+09	1,296009E+09	1,175622E+09	9,661464E+08
2678	7,199857E+08	5,031147E+08	3,773703E+08	3,773656E+08	5,031048E+08	7,199818E+08	9,661426E+08	1,175609E+09	1,295992E+09	1,295984E+09	1,175592E+09	9,661230E+08
2679	7,199755E+08	5,031157E+08	3,773826E+08	3,773874E+08	5,031199E+08	7,199733E+08	9,661239E+08	1,175600E+09	1,295993E+09	1,295987E+09	1,175585E+09	9,661086E+08
2680	7,199638E+08	5,031121E+08	3,773832E+08	3,773845E+08	5,031113E+08	7,199562E+08	9,660903E+08	1,175556E+09	1,295951E+09	1,295961E+09	1,175585E+09	9,661313E+08
2681	7,200033E+08	5,031610E+08	3,774316E+08	3,774312E+08	5,031642E+08	7,200140E+08	9,661361E+08	1,175574E+09	1,295943E+09	1,295934E+09	1,175549E+09	9,660969E+08
2682	7,199744E+08	5,031438E+08	3,774310E+08	3,774384E+08	5,031577E+08	7,199870E+08	9,661040E+08	1,175547E+09	1,295927E+09	1,295934E+09	1,175562E+09	9,661149E+08
2683	7,199922E+08	5,031593E+08	3,774424E+08	3,774432E+08	5,031600E+08	7,199926E+08	9,661137E+08	1,175554E+09	1,295916E+09	1,295907E+09	1,175539E+09	9,661133E+08
2684	7,200140E+08	5,031910E+08	3,774724E+08	3,774754E+08	5,031997E+08	7,200311E+08	9,661411E+08	1,175572E+09	1,295929E+09	1,295909E+09	1,175520E+09	9,660775E+08
2685	7,199758E+08	5,031648E+08	3,774597E+08	3,774607E+08	5,031643E+08	7,199756E+08	9,660812E+08	1,175527E+09	1,295914E+09	1,295924E+09	1,175555E+09	9,661184E+08
2686	7,200110E+08	5,031912E+08	3,774770E+08	3,774723E+08	5,031799E+08	7,200000E+08	9,661078E+08	1,175541E+09	1,295910E+09	1,295912E+09	1,175546E+09	9,661114E+08
2687	7,200065E+08	5,031866E+08	3,774756E+08	3,774819E+08	5,031971E+08	7,200105E+08	9,661088E+08	1,175542E+09	1,295919E+09	1,295922E+09	1,175545E+09	9,660976E+08
2688	7,199817E+08	5,031584E+08	3,774454E+08	3,774449E+08	5,031572E+08	7,199788E+08	9,660809E+08	1,175513E+09	1,295893E+09	1,295913E+09	1,175560E+09	9,661294E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2689	7,200166E+08	5,031855E+08	3,774610E+08	3,774554E+08	5,031766E+08	7,200186E+08	9,661376E+08	1,175564E+09	1,295918E+09	1,295906E+09	1,175534E+09	9,660993E+08
2690	7,199872E+08	5,031549E+08	3,774365E+08	3,774397E+08	5,031562E+08	7,199839E+08	9,661099E+08	1,175565E+09	1,295946E+09	1,295943E+09	1,175556E+09	9,661032E+08
2691	7,199785E+08	5,031387E+08	3,774121E+08	3,774088E+08	5,031279E+08	7,199654E+08	9,661010E+08	1,175569E+09	1,295955E+09	1,295950E+09	1,175565E+09	9,661125E+08
2692	7,199907E+08	5,031524E+08	3,774226E+08	3,774231E+08	5,031589E+08	7,200109E+08	9,661416E+08	1,175595E+09	1,295974E+09	1,295964E+09	1,175562E+09	9,660877E+08
2693	7,199481E+08	5,031091E+08	3,773916E+08	3,773963E+08	5,031198E+08	7,199623E+08	9,660972E+08	1,175562E+09	1,295962E+09	1,295979E+09	1,175599E+09	9,661292E+08
2694	7,199772E+08	5,031202E+08	3,773899E+08	3,773902E+08	5,031199E+08	7,199761E+08	9,661242E+08	1,175583E+09	1,295961E+09	1,295964E+09	1,175588E+09	9,661300E+08
2695	7,199899E+08	5,031341E+08	3,774006E+08	3,774063E+08	5,031444E+08	7,199971E+08	9,661380E+08	1,175600E+09	1,295980E+09	1,295969E+09	1,175572E+09	9,661022E+08
2696	7,199624E+08	5,031151E+08	3,773862E+08	3,773843E+08	5,031105E+08	7,199582E+08	9,660906E+08	1,175551E+09	1,295945E+09	1,295958E+09	1,175582E+09	9,661284E+08
2697	7,199991E+08	5,031570E+08	3,774267E+08	3,774197E+08	5,031415E+08	7,199907E+08	9,661271E+08	1,175573E+09	1,295943E+09	1,295934E+09	1,175552E+09	9,661066E+08
2698	7,199895E+08	5,031557E+08	3,774378E+08	3,774443E+08	5,031635E+08	7,199855E+08	9,661011E+08	1,175552E+09	1,295936E+09	1,295936E+09	1,175551E+09	9,660987E+08
2699	7,199795E+08	5,031520E+08	3,774379E+08	3,774407E+08	5,031557E+08	7,199748E+08	9,660807E+08	1,175522E+09	1,295898E+09	1,295905E+09	1,175542E+09	9,661117E+08
2700	7,200108E+08	5,031940E+08	3,774800E+08	3,774820E+08	5,032052E+08	7,200362E+08	9,661367E+08	1,175549E+09	1,295895E+09	1,295881E+09	1,175510E+09	9,660809E+08
2701	7,199838E+08	5,031775E+08	3,774795E+08	3,774868E+08	5,031924E+08	7,199993E+08	9,660948E+08	1,175518E+09	1,295880E+09	1,295880E+09	1,175518E+09	9,660981E+08
2702	7,200063E+08	5,031989E+08	3,774943E+08	3,774920E+08	5,031918E+08	7,199983E+08	9,660965E+08	1,175520E+09	1,295876E+09	1,295873E+09	1,175515E+09	9,661015E+08
2703	7,200255E+08	5,032273E+08	3,775227E+08	3,775243E+08	5,032318E+08	7,200331E+08	9,661151E+08	1,175532E+09	1,295890E+09	1,295879E+09	1,175502E+09	9,660738E+08
2704	7,199912E+08	5,032006E+08	3,775067E+08	3,775073E+08	5,032022E+08	7,199924E+08	9,660623E+08	1,175475E+09	1,295851E+09	1,295872E+09	1,175525E+09	9,661092E+08
2705	7,200236E+08	5,032253E+08	3,775242E+08	3,775201E+08	5,032173E+08	7,200176E+08	9,661008E+08	1,175505E+09	1,295854E+09	1,295855E+09	1,175507E+09	9,661030E+08
2706	7,200240E+08	5,032199E+08	3,775182E+08	3,775249E+08	5,032307E+08	7,200239E+08	9,661005E+08	1,175513E+09	1,295871E+09	1,295869E+09	1,175508E+09	9,660877E+08
2707	7,199985E+08	5,031934E+08	3,774884E+08	3,774858E+08	5,031867E+08	7,199889E+08	9,660776E+08	1,175503E+09	1,295866E+09	1,295870E+09	1,175518E+09	9,661050E+08
2708	7,200187E+08	5,032121E+08	3,775004E+08	3,774949E+08	5,032057E+08	7,200307E+08	9,661346E+08	1,175549E+09	1,295894E+09	1,295878E+09	1,175507E+09	9,660807E+08
2709	7,199864E+08	5,031779E+08	3,774755E+08	3,774800E+08	5,031844E+08	7,199900E+08	9,660944E+08	1,175535E+09	1,295909E+09	1,295908E+09	1,175532E+09	9,660918E+08
2710	7,199844E+08	5,031646E+08	3,774515E+08	3,774496E+08	5,031593E+08	7,199757E+08	9,660856E+08	1,175532E+09	1,295915E+09	1,295925E+09	1,175555E+09	9,661116E+08
2711	7,200016E+08	5,031781E+08	3,774597E+08	3,774611E+08	5,031885E+08	7,200220E+08	9,661286E+08	1,175560E+09	1,295931E+09	1,295929E+09	1,175546E+09	9,660920E+08
2712	7,199690E+08	5,031423E+08	3,774300E+08	3,774321E+08	5,031491E+08	7,199787E+08	9,660906E+08	1,175528E+09	1,295906E+09	1,295921E+09	1,175560E+09	9,661197E+08
2713	7,199962E+08	5,031602E+08	3,774389E+08	3,774351E+08	5,031496E+08	7,199834E+08	9,661137E+08	1,175558E+09	1,295919E+09	1,295909E+09	1,175541E+09	9,661153E+08
2714	7,200097E+08	5,031765E+08	3,774537E+08	3,774562E+08	5,031768E+08	7,199990E+08	9,661125E+08	1,175560E+09	1,295933E+09	1,295921E+09	1,175533E+09	9,660859E+08
2715	7,199768E+08	5,031572E+08	3,774433E+08	3,774404E+08	5,031499E+08	7,199659E+08	9,660716E+08	1,175517E+09	1,295899E+09	1,295908E+09	1,175540E+09	9,661033E+08
2716	7,200008E+08	5,031893E+08	3,774791E+08	3,774763E+08	5,031887E+08	7,200134E+08	9,661171E+08	1,175535E+09	1,295888E+09	1,295884E+09	1,175517E+09	9,660897E+08
2717	7,199927E+08	5,031851E+08	3,774869E+08	3,774970E+08	5,032067E+08	7,200078E+08	9,660938E+08	1,175512E+09	1,295874E+09	1,295874E+09	1,175510E+09	9,660849E+08
2718	7,199925E+08	5,031879E+08	3,774877E+08	3,774909E+08	5,031947E+08	7,199938E+08	9,660777E+08	1,175494E+09	1,295854E+09	1,295862E+09	1,175512E+09	9,661018E+08
2719	7,200257E+08	5,032304E+08	3,775283E+08	3,775283E+08	5,032379E+08	7,200460E+08	9,661244E+08	1,175524E+09	1,295862E+09	1,295847E+09	1,175484E+09	9,660746E+08
2720	7,200032E+08	5,032182E+08	3,775292E+08	3,775326E+08	5,032256E+08	7,200113E+08	9,660792E+08	1,175482E+09	1,295834E+09	1,295835E+09	1,175486E+09	9,660851E+08
2721	7,200204E+08	5,032393E+08	3,775491E+08	3,775450E+08	5,032274E+08	7,200043E+08	9,660762E+08	1,175483E+09	1,295830E+09	1,295828E+09	1,175483E+09	9,660949E+08
2722	7,200431E+08	5,032643E+08	3,775731E+08	3,775756E+08	5,032700E+08	7,200422E+08	9,660893E+08	1,175482E+09	1,295833E+09	1,295831E+09	1,175476E+09	9,660711E+08
2723	7,200100E+08	5,032377E+08	3,775555E+08	3,775562E+08	5,032398E+08	7,200090E+08	9,660560E+08	1,175445E+09	1,295796E+09	1,295814E+09	1,175483E+09	9,660926E+08
2724	7,200325E+08	5,032553E+08	3,775664E+08	3,775635E+08	5,032523E+08	7,200376E+08	9,661020E+08	1,175484E+09	1,295809E+09	1,295801E+09	1,175465E+09	9,660849E+08

1 Longitude ☉ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2725	7,200303E+08	5,032486E+08	3,775594E+08	3,775648E+08	5,032594E+08	7,200347E+08	9,660923E+08	1,175490E+09	1,295831E+09	1,295819E+09	1,175463E+09	9,660663E+08
2726	7,200064E+08	5,032248E+08	3,775317E+08	3,775272E+08	5,032149E+08	7,199960E+08	9,660644E+08	1,175476E+09	1,295839E+09	1,295847E+09	1,175495E+09	9,660886E+08
2727	7,200218E+08	5,032368E+08	3,775392E+08	3,775345E+08	5,032337E+08	7,200357E+08	9,661159E+08	1,175520E+09	1,295867E+09	1,295858E+09	1,175494E+09	9,660770E+08
2728	7,199963E+08	5,032044E+08	3,775125E+08	3,775178E+08	5,032170E+08	7,200072E+08	9,660824E+08	1,175497E+09	1,295860E+09	1,295866E+09	1,175508E+09	9,660860E+08
2729	7,199960E+08	5,031936E+08	3,774925E+08	3,774906E+08	5,031896E+08	7,199885E+08	9,660790E+08	1,175504E+09	1,295868E+09	1,295875E+09	1,175522E+09	9,661093E+08
2730	7,200223E+08	5,032113E+08	3,775009E+08	3,775011E+08	5,032164E+08	7,200293E+08	9,661149E+08	1,175530E+09	1,295888E+09	1,295883E+09	1,175515E+09	9,660871E+08
2731	7,199908E+08	5,031823E+08	3,774779E+08	3,774762E+08	5,031783E+08	7,199858E+08	9,660804E+08	1,175506E+09	1,295868E+09	1,295873E+09	1,175517E+09	9,660973E+08
2732	7,200034E+08	5,031941E+08	3,774873E+08	3,774829E+08	5,031837E+08	7,199941E+08	9,660993E+08	1,175526E+09	1,295878E+09	1,295868E+09	1,175508E+09	9,660962E+08
2733	7,200137E+08	5,032083E+08	3,775037E+08	3,775073E+08	5,032143E+08	7,200092E+08	9,660911E+08	1,175516E+09	1,295879E+09	1,295870E+09	1,175497E+09	9,660715E+08
2734	7,199868E+08	5,031913E+08	3,774942E+08	3,774941E+08	5,031929E+08	7,199839E+08	9,660548E+08	1,175471E+09	1,295846E+09	1,295868E+09	1,175515E+09	9,660940E+08
2735	7,200112E+08	5,032201E+08	3,775252E+08	3,775247E+08	5,032277E+08	7,200330E+08	9,661098E+08	1,175501E+09	1,295838E+09	1,295836E+09	1,175488E+09	9,660853E+08
2736	7,200121E+08	5,032227E+08	3,775337E+08	3,775425E+08	5,032438E+08	7,200295E+08	9,660908E+08	1,175482E+09	1,295818E+09	1,295811E+09	1,175464E+09	9,660692E+08
2737	7,200093E+08	5,032303E+08	3,775425E+08	3,775420E+08	5,032283E+08	7,200038E+08	9,660677E+08	1,175469E+09	1,295814E+09	1,295809E+09	1,175467E+09	9,660877E+08
2738	7,200450E+08	5,032729E+08	3,775834E+08	3,775810E+08	5,032722E+08	7,200497E+08	9,660990E+08	1,175483E+09	1,295819E+09	1,295806E+09	1,175453E+09	9,660641E+08
2739	7,200209E+08	5,032611E+08	3,775863E+08	3,775885E+08	5,032643E+08	7,200197E+08	9,660597E+08	1,175445E+09	1,295785E+09	1,295788E+09	1,175450E+09	9,660678E+08
2740	7,200273E+08	5,032720E+08	3,775993E+08	3,775988E+08	5,032712E+08	7,200247E+08	9,660634E+08	1,175442E+09	1,295776E+09	1,295779E+09	1,175452E+09	9,660839E+08
2741	7,200511E+08	5,032944E+08	3,776187E+08	3,776228E+08	5,033067E+08	7,200598E+08	9,660808E+08	1,175445E+09	1,295773E+09	1,295770E+09	1,175435E+09	9,660595E+08
2742	7,200246E+08	5,032711E+08	3,775998E+08	3,776003E+08	5,032731E+08	7,200247E+08	9,660510E+08	1,175419E+09	1,295759E+09	1,295775E+09	1,175451E+09	9,660781E+08
2743	7,200426E+08	5,032850E+08	3,776063E+08	3,776017E+08	5,032790E+08	7,200472E+08	9,660939E+08	1,175465E+09	1,295784E+09	1,295772E+09	1,175439E+09	9,660735E+08
2744	7,200423E+08	5,032800E+08	3,775987E+08	3,776015E+08	5,032861E+08	7,200452E+08	9,660805E+08	1,175461E+09	1,295795E+09	1,295783E+09	1,175434E+09	9,660515E+08
2745	7,200139E+08	5,032551E+08	3,775754E+08	3,775706E+08	5,032444E+08	7,200025E+08	9,660486E+08	1,175448E+09	1,295805E+09	1,295813E+09	1,175472E+09	9,660848E+08
2746	7,200359E+08	5,032647E+08	3,775785E+08	3,775757E+08	5,032647E+08	7,200440E+08	9,660935E+08	1,175477E+09	1,295820E+09	1,295821E+09	1,175475E+09	9,660777E+08
2747	7,200148E+08	5,032364E+08	3,775534E+08	3,775582E+08	5,032458E+08	7,200194E+08	9,660775E+08	1,175471E+09	1,295811E+09	1,295815E+09	1,175472E+09	9,660737E+08
2748	7,200070E+08	5,032231E+08	3,775329E+08	3,775317E+08	5,032205E+08	7,200028E+08	9,660736E+08	1,175480E+09	1,295826E+09	1,295824E+09	1,175484E+09	9,660938E+08
2749	7,200317E+08	5,032437E+08	3,775454E+08	3,775428E+08	5,032430E+08	7,200337E+08	9,660966E+08	1,175496E+09	1,295842E+09	1,295831E+09	1,175471E+09	9,660673E+08
2750	7,200020E+08	5,032188E+08	3,775280E+08	3,775256E+08	5,032123E+08	7,199943E+08	9,660602E+08	1,175466E+09	1,295829E+09	1,295841E+09	1,175487E+09	9,660786E+08
2751	7,200091E+08	5,032252E+08	3,775346E+08	3,775325E+08	5,032218E+08	7,200075E+08	9,660808E+08	1,175486E+09	1,295833E+09	1,295830E+09	1,175482E+09	9,660871E+08
2752	7,200254E+08	5,032408E+08	3,775492E+08	3,775554E+08	5,032569E+08	7,200350E+08	9,660826E+08	1,175474E+09	1,295817E+09	1,295811E+09	1,175458E+09	9,660586E+08
2753	7,199996E+08	5,032264E+08	3,775441E+08	3,775458E+08	5,032326E+08	7,200051E+08	9,660546E+08	1,175446E+09	1,295798E+09	1,295807E+09	1,175472E+09	9,660858E+08
2754	7,200313E+08	5,032571E+08	3,775733E+08	3,775730E+08	5,032625E+08	7,200455E+08	9,660995E+08	1,175474E+09	1,295798E+09	1,295789E+09	1,175452E+09	9,660758E+08
2755	7,200331E+08	5,032664E+08	3,775879E+08	3,775929E+08	5,032762E+08	7,200393E+08	9,660840E+08	1,175462E+09	1,295783E+09	1,295768E+09	1,175423E+09	9,660481E+08
2756	7,200186E+08	5,032683E+08	3,775967E+08	3,775959E+08	5,032654E+08	7,200143E+08	9,660517E+08	1,175437E+09	1,295774E+09	1,295772E+09	1,175438E+09	9,660733E+08
2757	7,200534E+08	5,033090E+08	3,776366E+08	3,776342E+08	5,033090E+08	7,200570E+08	9,660725E+08	1,175435E+09	1,295764E+09	1,295758E+09	1,175422E+09	9,660556E+08
2758	7,200366E+08	5,032989E+08	3,776384E+08	3,776426E+08	5,033066E+08	7,200368E+08	9,660397E+08	1,175393E+09	1,295730E+09	1,295747E+09	1,175425E+09	9,660608E+08
2759	7,200420E+08	5,033049E+08	3,776436E+08	3,776441E+08	5,033070E+08	7,200424E+08	9,660550E+08	1,175406E+09	1,295723E+09	1,295728E+09	1,175421E+09	9,660787E+08
2760	7,200708E+08	5,033306E+08	3,776615E+08	3,776640E+08	5,033393E+08	7,200774E+08	9,660759E+08	1,175416E+09	1,295722E+09	1,295710E+09	1,175387E+09	9,660412E+08



1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2761	7,200379E+08	5,033084E+08	3,776481E+08	3,776460E+08	5,033023E+08	7,200322E+08	9,660409E+08	1,175398E+09	1,295725E+09	1,295728E+09	1,175409E+09	9,660612E+08
2762	7,200541E+08	5,033173E+08	3,776510E+08	3,776461E+08	5,033082E+08	7,200510E+08	9,660731E+08	1,175432E+09	1,295750E+09	1,295743E+09	1,175414E+09	9,660610E+08
2763	7,200522E+08	5,033123E+08	3,776441E+08	3,776473E+08	5,033182E+08	7,200557E+08	9,660698E+08	1,175432E+09	1,295755E+09	1,295746E+09	1,175406E+09	9,660349E+08
2764	7,200156E+08	5,032785E+08	3,776141E+08	3,776135E+08	5,032795E+08	7,200208E+08	9,660415E+08	1,175416E+09	1,295762E+09	1,295774E+09	1,175447E+09	9,660760E+08
2765	7,200427E+08	5,032894E+08	3,776149E+08	3,776128E+08	5,032917E+08	7,200556E+08	9,660851E+08	1,175447E+09	1,295772E+09	1,295771E+09	1,175442E+09	9,660706E+08
2766	7,200315E+08	5,032683E+08	3,775929E+08	3,775971E+08	5,032736E+08	7,200291E+08	9,660655E+08	1,175442E+09	1,295780E+09	1,295783E+09	1,175444E+09	9,660618E+08
2767	7,200191E+08	5,032535E+08	3,775720E+08	3,775693E+08	5,032462E+08	7,200098E+08	9,660600E+08	1,175452E+09	1,295794E+09	1,295793E+09	1,175458E+09	9,660844E+08
2768	7,200456E+08	5,032773E+08	3,775881E+08	3,775848E+08	5,032733E+08	7,200434E+08	9,660801E+08	1,175458E+09	1,295794E+09	1,295784E+09	1,175437E+09	9,660518E+08
2769	7,200115E+08	5,032530E+08	3,775772E+08	3,775766E+08	5,032492E+08	7,200064E+08	9,660446E+08	1,175430E+09	1,295782E+09	1,295791E+09	1,175454E+09	9,660703E+08
2770	7,200233E+08	5,032574E+08	3,775806E+08	3,775816E+08	5,032607E+08	7,200249E+08	9,660670E+08	1,175443E+09	1,295779E+09	1,295782E+09	1,175451E+09	9,660796E+08
2771	7,200436E+08	5,032791E+08	3,775984E+08	3,776041E+08	5,032925E+08	7,200547E+08	9,660859E+08	1,175451E+09	1,295766E+09	1,295752E+09	1,175412E+09	9,660393E+08
2772	7,200106E+08	5,032621E+08	3,775933E+08	3,775959E+08	5,032695E+08	7,200218E+08	9,660511E+08	1,175426E+09	1,295759E+09	1,295758E+09	1,175430E+09	9,660660E+08
2773	7,200421E+08	5,032959E+08	3,776256E+08	3,776225E+08	5,032936E+08	7,200502E+08	9,660793E+08	1,175439E+09	1,295755E+09	1,295743E+09	1,175412E+09	9,660586E+08
2774	7,200475E+08	5,033081E+08	3,776443E+08	3,776490E+08	5,033145E+08	7,200463E+08	9,660573E+08	1,175416E+09	1,295743E+09	1,295740E+09	1,175400E+09	9,660352E+08
2775	7,200291E+08	5,033044E+08	3,776489E+08	3,776501E+08	5,033065E+08	7,200280E+08	9,660294E+08	1,175388E+09	1,295721E+09	1,295732E+09	1,175417E+09	9,660705E+08
2776	7,200705E+08	5,033458E+08	3,776853E+08	3,776848E+08	5,033502E+08	7,200773E+08	9,660589E+08	1,175385E+09	1,295694E+09	1,295695E+09	1,175383E+09	9,660457E+08
2777	7,200536E+08	5,033377E+08	3,776897E+08	3,776948E+08	5,033459E+08	7,200558E+08	9,660363E+08	1,175364E+09	1,295676E+09	1,295683E+09	1,175380E+09	9,660516E+08
2778	7,200621E+08	5,033427E+08	3,776909E+08	3,776907E+08	5,033410E+08	7,200552E+08	9,660441E+08	1,175377E+09	1,295682E+09	1,295681E+09	1,175381E+09	9,660631E+08
2779	7,200865E+08	5,033698E+08	3,777104E+08	3,777092E+08	5,033680E+08	7,200882E+08	9,660734E+08	1,175397E+09	1,295687E+09	1,295667E+09	1,175347E+09	9,660165E+08
2780	7,200405E+08	5,033380E+08	3,776932E+08	3,776931E+08	5,033363E+08	7,200439E+08	9,660320E+08	1,175374E+09	1,295694E+09	1,295698E+09	1,175384E+09	9,660449E+08
2781	7,200556E+08	5,033427E+08	3,776913E+08	3,776881E+08	5,033385E+08	7,200579E+08	9,660531E+08	1,175393E+09	1,295707E+09	1,295706E+09	1,175392E+09	9,660543E+08
2782	7,200623E+08	5,033395E+08	3,776829E+08	3,776889E+08	5,033513E+08	7,200698E+08	9,660556E+08	1,175393E+09	1,295715E+09	1,295719E+09	1,175389E+09	9,660305E+08
2783	7,200273E+08	5,033041E+08	3,776479E+08	3,776480E+08	5,033062E+08	7,200339E+08	9,660359E+08	1,175388E+09	1,295719E+09	1,295732E+09	1,175422E+09	9,660735E+08
2784	7,200612E+08	5,033214E+08	3,776510E+08	3,776467E+08	5,033157E+08	7,200630E+08	9,660740E+08	1,175417E+09	1,295727E+09	1,295719E+09	1,175400E+09	9,660546E+08
2785	7,200455E+08	5,033049E+08	3,776387E+08	3,776403E+08	5,033009E+08	7,200335E+08	9,660507E+08	1,175414E+09	1,295741E+09	1,295735E+09	1,175405E+09	9,660477E+08
2786	7,200323E+08	5,032877E+08	3,776181E+08	3,776159E+08	5,032784E+08	7,200154E+08	9,660375E+08	1,175411E+09	1,295750E+09	1,295756E+09	1,175430E+09	9,660708E+08
2787	7,200563E+08	5,033125E+08	3,776371E+08	3,776346E+08	5,033097E+08	7,200596E+08	9,660742E+08	1,175425E+09	1,295743E+09	1,295735E+09	1,175400E+09	9,660327E+08
2788	7,200153E+08	5,032816E+08	3,776229E+08	3,776274E+08	5,032917E+08	7,200307E+08	9,660446E+08	1,175402E+09	1,295734E+09	1,295743E+09	1,175419E+09	9,660544E+08
2789	7,200302E+08	5,032878E+08	3,776245E+08	3,776266E+08	5,032944E+08	7,200402E+08	9,660620E+08	1,175417E+09	1,295734E+09	1,295731E+09	1,175412E+09	9,660663E+08
2790	7,200585E+08	5,033165E+08	3,776467E+08	3,776521E+08	5,033273E+08	7,200672E+08	9,660740E+08	1,175423E+09	1,295738E+09	1,295724E+09	1,175383E+09	9,660249E+08
2791	7,200231E+08	5,032985E+08	3,776413E+08	3,776422E+08	5,033010E+08	7,200300E+08	9,660355E+08	1,175394E+09	1,295724E+09	1,295728E+09	1,175408E+09	9,660600E+08
2792	7,200600E+08	5,033360E+08	3,776766E+08	3,776730E+08	5,033289E+08	7,200565E+08	9,660554E+08	1,175393E+09	1,295701E+09	1,295696E+09	1,175383E+09	9,660501E+08
2793	7,200645E+08	5,033500E+08	3,777007E+08	3,777065E+08	5,033565E+08	7,200580E+08	9,660338E+08	1,175366E+09	1,295682E+09	1,295682E+09	1,175368E+09	9,660337E+08
2794	7,200502E+08	5,033439E+08	3,777010E+08	3,777038E+08	5,033484E+08	7,200457E+08	9,660130E+08	1,175337E+09	1,295654E+09	1,295673E+09	1,175382E+09	9,660645E+08
2795	7,200925E+08	5,033886E+08	3,777384E+08	3,777360E+08	5,033868E+08	7,200973E+08	9,660627E+08	1,175357E+09	1,295633E+09	1,295625E+09	1,175330E+09	9,660225E+08
2796	7,200636E+08	5,033743E+08	3,777398E+08	3,777452E+08	5,033835E+08	7,200728E+08	9,660341E+08	1,175344E+09	1,295636E+09	1,295630E+09	1,175331E+09	9,660235E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\ominus$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2797	7,200665E+08	5,033773E+08	3,777388E+08	3,777365E+08	5,033714E+08	7,200621E+08	9,660297E+08	1,175348E+09	1,295645E+09	1,295640E+09	1,175342E+09	9,660401E+08
2798	7,200917E+08	5,034024E+08	3,777577E+08	3,777578E+08	5,034035E+08	7,200971E+08	9,660531E+08	1,175362E+09	1,295659E+09	1,295648E+09	1,175327E+09	9,660021E+08
2799	7,200436E+08	5,033626E+08	3,777319E+08	3,777346E+08	5,033699E+08	7,200575E+08	9,660192E+08	1,175341E+09	1,295657E+09	1,295670E+09	1,175371E+09	9,660445E+08
2800	7,200678E+08	5,033683E+08	3,777258E+08	3,777248E+08	5,033682E+08	7,200708E+08	9,660443E+08	1,175358E+09	1,295655E+09	1,295658E+09	1,175364E+09	9,660503E+08
2801	7,200779E+08	5,033702E+08	3,777217E+08	3,777269E+08	5,033781E+08	7,200789E+08	9,660490E+08	1,175370E+09	1,295673E+09	1,295669E+09	1,175358E+09	9,660285E+08
2802	7,200466E+08	5,033372E+08	3,776872E+08	3,776847E+08	5,033309E+08	7,200394E+08	9,660217E+08	1,175359E+09	1,295681E+09	1,295695E+09	1,175393E+09	9,660635E+08
2803	7,200778E+08	5,033592E+08	3,776967E+08	3,776875E+08	5,033397E+08	7,200685E+08	9,660666E+08	1,175391E+09	1,295686E+09	1,295676E+09	1,175363E+09	9,660331E+08
2804	7,200496E+08	5,033354E+08	3,776844E+08	3,776882E+08	5,033369E+08	7,200447E+08	9,660381E+08	1,175385E+09	1,295702E+09	1,295698E+09	1,175374E+09	9,660290E+08
2805	7,200351E+08	5,033166E+08	3,776617E+08	3,776617E+08	5,033145E+08	7,200280E+08	9,660202E+08	1,175371E+09	1,295700E+09	1,295710E+09	1,175399E+09	9,660586E+08
2806	7,200654E+08	5,033427E+08	3,776809E+08	3,776818E+08	5,033490E+08	7,200792E+08	9,660653E+08	1,175390E+09	1,295700E+09	1,295698E+09	1,175373E+09	9,660226E+08
2807	7,200263E+08	5,033113E+08	3,776636E+08	3,776693E+08	5,033255E+08	7,200482E+08	9,660440E+08	1,175380E+09	1,295693E+09	1,295699E+09	1,175390E+09	9,660478E+08
2808	7,200474E+08	5,033238E+08	3,776687E+08	3,776692E+08	5,033239E+08	7,200468E+08	9,660483E+08	1,175386E+09	1,295688E+09	1,295679E+09	1,175372E+09	9,660507E+08
2809	7,200737E+08	5,033581E+08	3,777010E+08	3,777039E+08	5,033610E+08	7,200725E+08	9,660544E+08	1,175387E+09	1,295692E+09	1,295677E+09	1,175351E+09	9,660166E+08
2810	7,200403E+08	5,033403E+08	3,776972E+08	3,776981E+08	5,033410E+08	7,200384E+08	9,660086E+08	1,175341E+09	1,295667E+09	1,295683E+09	1,175380E+09	9,660517E+08
2811	7,200777E+08	5,033794E+08	3,777343E+08	3,777298E+08	5,033703E+08	7,200735E+08	9,660439E+08	1,175346E+09	1,295634E+09	1,295633E+09	1,175341E+09	9,660341E+08
2812	7,200755E+08	5,033869E+08	3,777544E+08	3,777638E+08	5,034037E+08	7,200835E+08	9,660321E+08	1,175333E+09	1,295622E+09	1,295619E+09	1,175323E+09	9,660152E+08
2813	7,200620E+08	5,033815E+08	3,777509E+08	3,777534E+08	5,033859E+08	7,200619E+08	9,660069E+08	1,175308E+09	1,295603E+09	1,295612E+09	1,175334E+09	9,660447E+08
2814	7,201048E+08	5,034265E+08	3,777885E+08	3,777855E+08	5,034233E+08	7,201108E+08	9,660527E+08	1,175333E+09	1,295606E+09	1,295593E+09	1,175294E+09	9,660014E+08
2815	7,200699E+08	5,034062E+08	3,777848E+08	3,777894E+08	5,034153E+08	7,200837E+08	9,660260E+08	1,175321E+09	1,295608E+09	1,295603E+09	1,175309E+09	9,660122E+08
2816	7,200750E+08	5,034071E+08	3,777809E+08	3,777795E+08	5,034025E+08	7,200676E+08	9,660106E+08	1,175313E+09	1,295605E+09	1,295604E+09	1,175318E+09	9,660312E+08
2817	7,201010E+08	5,034326E+08	3,778014E+08	3,778028E+08	5,034379E+08	7,201083E+08	9,660360E+08	1,175323E+09	1,295611E+09	1,295607E+09	1,175310E+09	9,660066E+08
2818	7,200616E+08	5,033933E+08	3,777716E+08	3,777743E+08	5,034005E+08	7,200695E+08	9,660058E+08	1,175301E+09	1,295604E+09	1,295626E+09	1,175348E+09	9,660456E+08
2819	7,200895E+08	5,034046E+08	3,777680E+08	3,777627E+08	5,033922E+08	7,200798E+08	9,660424E+08	1,175335E+09	1,295606E+09	1,295601E+09	1,175322E+09	9,660352E+08
2820	7,200898E+08	5,034034E+08	3,777651E+08	3,777687E+08	5,034071E+08	7,200867E+08	9,660394E+08	1,175348E+09	1,295637E+09	1,295623E+09	1,175316E+09	9,660057E+08
2821	7,200530E+08	5,033700E+08	3,777314E+08	3,777263E+08	5,033585E+08	7,200429E+08	9,660023E+08	1,175325E+09	1,295640E+09	1,295653E+09	1,175358E+09	9,660433E+08
2822	7,200825E+08	5,033898E+08	3,777425E+08	3,777356E+08	5,033770E+08	7,200795E+08	9,660463E+08	1,175354E+09	1,295651E+09	1,295648E+09	1,175339E+09	9,660173E+08
2823	7,200514E+08	5,033594E+08	3,777234E+08	3,777308E+08	5,033746E+08	7,200649E+08	9,660324E+08	1,175353E+09	1,295659E+09	1,295660E+09	1,175353E+09	9,660234E+08
2824	7,200451E+08	5,033424E+08	3,776991E+08	3,777021E+08	5,033488E+08	7,200456E+08	9,660173E+08	1,175343E+09	1,295651E+09	1,295659E+09	1,175364E+09	9,660492E+08
2825	7,200788E+08	5,033749E+08	3,777239E+08	3,777247E+08	5,033814E+08	7,200924E+08	9,660600E+08	1,175368E+09	1,295658E+09	1,295648E+09	1,175340E+09	9,660185E+08
2826	7,200451E+08	5,033483E+08	3,777092E+08	3,777120E+08	5,033548E+08	7,200553E+08	9,660290E+08	1,175349E+09	1,295655E+09	1,295662E+09	1,175362E+09	9,660399E+08
2827	7,200667E+08	5,033669E+08	3,777226E+08	3,777177E+08	5,033530E+08	7,200524E+08	9,660364E+08	1,175353E+09	1,295640E+09	1,295632E+09	1,175337E+09	9,660349E+08
2828	7,200842E+08	5,033963E+08	3,777561E+08	3,777599E+08	5,034018E+08	7,200828E+08	9,660342E+08	1,175346E+09	1,295641E+09	1,295629E+09	1,175318E+09	9,660015E+08
2829	7,200515E+08	5,033788E+08	3,777510E+08	3,777525E+08	5,033830E+08	7,200535E+08	9,659884E+08	1,175290E+09	1,295602E+09	1,295624E+09	1,175342E+09	9,660405E+08
2830	7,200935E+08	5,034189E+08	3,777878E+08	3,777850E+08	5,034151E+08	7,200941E+08	9,660317E+08	1,175306E+09	1,295580E+09	1,295580E+09	1,175301E+09	9,660189E+08
2831	7,200883E+08	5,034226E+08	3,778020E+08	3,778115E+08	5,034421E+08	7,201031E+08	9,660308E+08	1,175310E+09	1,295577E+09	1,295565E+09	1,175280E+09	9,659995E+08
2832	7,200758E+08	5,034182E+08	3,777991E+08	3,778004E+08	5,034191E+08	7,200708E+08	9,659945E+08	1,175280E+09	1,295561E+09	1,295561E+09	1,175288E+09	9,660220E+08

1 Longitude $\odot$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2833	7,201131E+08	5,034630E+08	3,778403E+08	3,778364E+08	5,034581E+08	7,201181E+08	9,660355E+08	1,175302E+09	1,295566E+09	1,295553E+09	1,175268E+09	9,659925E+08
2834	7,200810E+08	5,034404E+08	3,778336E+08	3,778385E+08	5,034514E+08	7,200933E+08	9,660049E+08	1,175281E+09	1,295564E+09	1,295571E+09	1,175292E+09	9,660089E+08
2835	7,200896E+08	5,034421E+08	3,778285E+08	3,778255E+08	5,034355E+08	7,200829E+08	9,660036E+08	1,175277E+09	1,295550E+09	1,295556E+09	1,175290E+09	9,660232E+08
2836	7,201121E+08	5,034624E+08	3,778442E+08	3,778473E+08	5,034733E+08	7,201256E+08	9,660324E+08	1,175297E+09	1,295566E+09	1,295559E+09	1,175276E+09	9,659956E+08
2837	7,200755E+08	5,034263E+08	3,778125E+08	3,778130E+08	5,034282E+08	7,200785E+08	9,659947E+08	1,175273E+09	1,295561E+09	1,295577E+09	1,175311E+09	9,660326E+08
2838	7,201034E+08	5,034383E+08	3,778109E+08	3,778038E+08	5,034212E+08	7,200866E+08	9,660249E+08	1,175308E+09	1,295580E+09	1,295572E+09	1,175292E+09	9,660187E+08
2839	7,200964E+08	5,034312E+08	3,778045E+08	3,778076E+08	5,034361E+08	7,200962E+08	9,660292E+08	1,175323E+09	1,295605E+09	1,295593E+09	1,175294E+09	9,659956E+08
2840	7,200603E+08	5,033958E+08	3,777703E+08	3,777677E+08	5,033899E+08	7,200499E+08	9,659835E+08	1,175288E+09	1,295595E+09	1,295611E+09	1,175328E+09	9,660312E+08
2841	7,200884E+08	5,034156E+08	3,777830E+08	3,777791E+08	5,034131E+08	7,200964E+08	9,660363E+08	1,175319E+09	1,295600E+09	1,295602E+09	1,175315E+09	9,660168E+08
2842	7,200661E+08	5,033889E+08	3,777631E+08	3,777709E+08	5,034070E+08	7,200828E+08	9,660280E+08	1,175323E+09	1,295610E+09	1,295613E+09	1,175323E+09	9,660183E+08
2843	7,200635E+08	5,033787E+08	3,777435E+08	3,777415E+08	5,033739E+08	7,200568E+08	9,660170E+08	1,175322E+09	1,295606E+09	1,295603E+09	1,175319E+09	9,660310E+08
2844	7,200904E+08	5,034104E+08	3,777722E+08	3,777708E+08	5,034128E+08	7,201003E+08	9,660479E+08	1,175345E+09	1,295624E+09	1,295605E+09	1,175299E+09	9,659967E+08
2845	7,200561E+08	5,033873E+08	3,777613E+08	3,777616E+08	5,033876E+08	7,200588E+08	9,660030E+08	1,175306E+09	1,295607E+09	1,295617E+09	1,175328E+09	9,660241E+08
2846	7,200779E+08	5,034056E+08	3,777780E+08	3,777750E+08	5,033961E+08	7,200627E+08	9,660078E+08	1,175306E+09	1,295594E+09	1,295594E+09	1,175309E+09	9,660229E+08
2847	7,200935E+08	5,034293E+08	3,778057E+08	3,778122E+08	5,034454E+08	7,201049E+08	9,660255E+08	1,175306E+09	1,295584E+09	1,295577E+09	1,175287E+09	9,659948E+08
2848	7,200665E+08	5,034129E+08	3,777993E+08	3,778033E+08	5,034230E+08	7,200715E+08	9,659813E+08	1,175256E+09	1,295543E+09	1,295559E+09	1,175296E+09	9,660247E+08
2849	7,201077E+08	5,034568E+08	3,778388E+08	3,778359E+08	5,034540E+08	7,201114E+08	9,660255E+08	1,175280E+09	1,295532E+09	1,295525E+09	1,175262E+09	9,660083E+08
2850	7,201052E+08	5,034627E+08	3,778534E+08	3,778597E+08	5,034762E+08	7,201153E+08	9,660184E+08	1,175280E+09	1,295539E+09	1,295527E+09	1,175250E+09	9,659872E+08
2851	7,200912E+08	5,034592E+08	3,778530E+08	3,778498E+08	5,034502E+08	7,200805E+08	9,659849E+08	1,175251E+09	1,295519E+09	1,295519E+09	1,175256E+09	9,660066E+08
2852	7,201210E+08	5,034960E+08	3,778907E+08	3,778890E+08	5,034979E+08	7,201308E+08	9,660185E+08	1,175267E+09	1,295524E+09	1,295514E+09	1,175241E+09	9,659822E+08
2853	7,200932E+08	5,034738E+08	3,778793E+08	3,778850E+08	5,034873E+08	7,201069E+08	9,659876E+08	1,175237E+09	1,295509E+09	1,295524E+09	1,175265E+09	9,660055E+08
2854	7,201066E+08	5,034760E+08	3,778732E+08	3,778709E+08	5,034703E+08	7,200965E+08	9,659905E+08	1,175245E+09	1,295508E+09	1,295512E+09	1,175259E+09	9,660145E+08
2855	7,201258E+08	5,034927E+08	3,778831E+08	3,778843E+08	5,034999E+08	7,201365E+08	9,660265E+08	1,175275E+09	1,295528E+09	1,295513E+09	1,175241E+09	9,659836E+08
2856	7,200885E+08	5,034571E+08	3,778531E+08	3,778524E+08	5,034537E+08	7,200819E+08	9,659781E+08	1,175243E+09	1,295521E+09	1,295531E+09	1,175269E+09	9,660114E+08
2857	7,201102E+08	5,034692E+08	3,778549E+08	3,778480E+08	5,034531E+08	7,200945E+08	9,660059E+08	1,175272E+09	1,295535E+09	1,295531E+09	1,175266E+09	9,660085E+08
2858	7,201043E+08	5,034594E+08	3,778456E+08	3,778500E+08	5,034693E+08	7,201094E+08	9,660127E+08	1,175285E+09	1,295561E+09	1,295555E+09	1,175271E+09	9,659887E+08
2859	7,200715E+08	5,034253E+08	3,778119E+08	3,778087E+08	5,034211E+08	7,200699E+08	9,659850E+08	1,175261E+09	1,295546E+09	1,295560E+09	1,175294E+09	9,660185E+08
2860	7,200960E+08	5,034411E+08	3,778222E+08	3,778208E+08	5,034461E+08	7,201138E+08	9,660365E+08	1,175302E+09	1,295564E+09	1,295556E+09	1,175278E+09	9,660011E+08
2861	7,200783E+08	5,034212E+08	3,778040E+08	3,778095E+08	5,034333E+08	7,200913E+08	9,660176E+08	1,175300E+09	1,295576E+09	1,295572E+09	1,175289E+09	9,660046E+08
2862	7,200771E+08	5,034147E+08	3,777907E+08	3,777868E+08	5,034039E+08	7,200614E+08	9,659959E+08	1,175294E+09	1,295581E+09	1,295575E+09	1,175292E+09	9,660164E+08
2863	7,200996E+08	5,034431E+08	3,778182E+08	3,778161E+08	5,034439E+08	7,201073E+08	9,660300E+08	1,175311E+09	1,295586E+09	1,295571E+09	1,175277E+09	9,659897E+08
2864	7,200688E+08	5,034203E+08	3,778098E+08	3,778132E+08	5,034259E+08	7,200675E+08	9,659771E+08	1,175257E+09	1,295550E+09	1,295565E+09	1,175294E+09	9,660145E+08
2865	7,200923E+08	5,034418E+08	3,778294E+08	3,778292E+08	5,034404E+08	7,200834E+08	9,659924E+08	1,175257E+09	1,295525E+09	1,295533E+09	1,175278E+09	9,660217E+08
2866	7,201142E+08	5,034686E+08	3,778564E+08	3,778626E+08	5,034847E+08	7,201258E+08	9,660191E+08	1,175270E+09	1,295524E+09	1,295516E+09	1,175247E+09	9,659858E+08
2867	7,200880E+08	5,034572E+08	3,778544E+08	3,778536E+08	5,034569E+08	7,200884E+08	9,659803E+08	1,175230E+09	1,295492E+09	1,295495E+09	1,175242E+09	9,660001E+08
2868	7,201177E+08	5,034954E+08	3,778938E+08	3,778904E+08	5,034926E+08	7,201249E+08	9,660149E+08	1,175254E+09	1,295496E+09	1,295480E+09	1,175216E+09	9,659813E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2869	7,201138E+08	5,035022E+08	3,779078E+08	3,779135E+08	5,035138E+08	7,201253E+08	9,659980E+08	1,175241E+09	1,295496E+09	1,295487E+09	1,175218E+09	9,659717E+08
2870	7,201007E+08	5,034951E+08	3,779059E+08	3,779051E+08	5,034925E+08	7,200940E+08	9,659631E+08	1,175212E+09	1,295480E+09	1,295485E+09	1,175233E+09	9,659981E+08
2871	7,201307E+08	5,035251E+08	3,779339E+08	3,779348E+08	5,035352E+08	7,201514E+08	9,660142E+08	1,175236E+09	1,295478E+09	1,295471E+09	1,175216E+09	9,659807E+08
2872	7,201101E+08	5,035039E+08	3,779202E+08	3,779278E+08	5,035184E+08	7,201173E+08	9,659766E+08	1,175205E+09	1,295459E+09	1,295469E+09	1,175226E+09	9,659944E+08
2873	7,201223E+08	5,035095E+08	3,779154E+08	3,779121E+08	5,035002E+08	7,201065E+08	9,659777E+08	1,175215E+09	1,295464E+09	1,295467E+09	1,175229E+09	9,660075E+08
2874	7,201416E+08	5,035274E+08	3,779259E+08	3,779233E+08	5,035250E+08	7,201432E+08	9,660118E+08	1,175245E+09	1,295491E+09	1,295479E+09	1,175214E+09	9,659722E+08
2875	7,201008E+08	5,034912E+08	3,778981E+08	3,778936E+08	5,034792E+08	7,200897E+08	9,659667E+08	1,175212E+09	1,295479E+09	1,295488E+09	1,175235E+09	9,659930E+08
2876	7,201135E+08	5,034950E+08	3,778964E+08	3,778930E+08	5,034889E+08	7,201095E+08	9,659939E+08	1,175241E+09	1,295497E+09	1,295493E+09	1,175233E+09	9,659925E+08
2877	7,201126E+08	5,034876E+08	3,778844E+08	3,778903E+08	5,035017E+08	7,201262E+08	9,660036E+08	1,175250E+09	1,295513E+09	1,295511E+09	1,175241E+09	9,659799E+08
2878	7,200842E+08	5,034548E+08	3,778517E+08	3,778499E+08	5,034520E+08	7,200827E+08	9,659775E+08	1,175241E+09	1,295516E+09	1,295520E+09	1,175261E+09	9,660060E+08
2879	7,201061E+08	5,034687E+08	3,778590E+08	3,778569E+08	5,034710E+08	7,201234E+08	9,660315E+08	1,175285E+09	1,295535E+09	1,295519E+09	1,175246E+09	9,659894E+08
2880	7,200903E+08	5,034518E+08	3,778466E+08	3,778517E+08	5,034589E+08	7,200914E+08	9,659953E+08	1,175265E+09	1,295537E+09	1,295532E+09	1,175255E+09	9,659880E+08
2881	7,200870E+08	5,034491E+08	3,778397E+08	3,778370E+08	5,034402E+08	7,200698E+08	9,659705E+08	1,175246E+09	1,295527E+09	1,295535E+09	1,175272E+09	9,660126E+08
2882	7,201144E+08	5,034795E+08	3,778681E+08	3,778667E+08	5,034821E+08	7,201220E+08	9,660099E+08	1,175262E+09	1,295528E+09	1,295525E+09	1,175252E+09	9,659865E+08
2883	7,200878E+08	5,034598E+08	3,778619E+08	3,778645E+08	5,034652E+08	7,200914E+08	9,659748E+08	1,175219E+09	1,295486E+09	1,295499E+09	1,175248E+09	9,659992E+08
2884	7,201066E+08	5,034787E+08	3,778808E+08	3,778826E+08	5,034829E+08	7,201064E+08	9,659917E+08	1,175232E+09	1,295477E+09	1,295472E+09	1,175225E+09	9,659992E+08
2885	7,201300E+08	5,035101E+08	3,779079E+08	3,779122E+08	5,035205E+08	7,201410E+08	9,660105E+08	1,175242E+09	1,295483E+09	1,295466E+09	1,175203E+09	9,659664E+08
2886	7,201013E+08	5,034980E+08	3,779096E+08	3,779082E+08	5,034944E+08	7,200984E+08	9,659655E+08	1,175206E+09	1,295465E+09	1,295462E+09	1,175210E+09	9,659815E+08
2887	7,201242E+08	5,035279E+08	3,779424E+08	3,779405E+08	5,035282E+08	7,201356E+08	9,660009E+08	1,175225E+09	1,295461E+09	1,295447E+09	1,175194E+09	9,659727E+08
2888	7,201240E+08	5,035331E+08	3,779554E+08	3,779647E+08	5,035512E+08	7,201350E+08	9,659754E+08	1,175195E+09	1,295444E+09	1,295443E+09	1,175191E+09	9,659650E+08
2889	7,201159E+08	5,035298E+08	3,779533E+08	3,779546E+08	5,035322E+08	7,201123E+08	9,659487E+08	1,175164E+09	1,295415E+09	1,295433E+09	1,175210E+09	9,659996E+08
2890	7,201522E+08	5,035624E+08	3,779785E+08	3,779766E+08	5,035638E+08	7,201622E+08	9,660033E+08	1,175203E+09	1,295426E+09	1,295418E+09	1,175182E+09	9,659745E+08
2891	7,201322E+08	5,035450E+08	3,779679E+08	3,779696E+08	5,035444E+08	7,201267E+08	9,659681E+08	1,175177E+09	1,295413E+09	1,295412E+09	1,175177E+09	9,659718E+08
2892	7,201321E+08	5,035446E+08	3,779631E+08	3,779591E+08	5,035323E+08	7,201144E+08	9,659620E+08	1,175184E+09	1,295426E+09	1,295424E+09	1,175185E+09	9,659812E+08
2893	7,201480E+08	5,035604E+08	3,779712E+08	3,779689E+08	5,035574E+08	7,201520E+08	9,659924E+08	1,175205E+09	1,295447E+09	1,295441E+09	1,175185E+09	9,659563E+08
2894	7,201057E+08	5,035195E+08	3,779417E+08	3,779413E+08	5,035171E+08	7,201052E+08	9,659544E+08	1,175183E+09	1,295445E+09	1,295454E+09	1,175209E+09	9,659795E+08
2895	7,201159E+08	5,035152E+08	3,779297E+08	3,779307E+08	5,035211E+08	7,201307E+08	9,659980E+08	1,175222E+09	1,295461E+09	1,295456E+09	1,175209E+09	9,659844E+08
2896	7,201213E+08	5,035103E+08	3,779183E+08	3,779271E+08	5,035283E+08	7,201360E+08	9,659976E+08	1,175229E+09	1,295478E+09	1,295469E+09	1,175207E+09	9,659676E+08
2897	7,200965E+08	5,034849E+08	3,778902E+08	3,778880E+08	5,034797E+08	7,200920E+08	9,659654E+08	1,175212E+09	1,295478E+09	1,295488E+09	1,175242E+09	9,660019E+08
2898	7,201222E+08	5,035031E+08	3,779014E+08	3,778957E+08	5,034939E+08	7,201257E+08	9,660136E+08	1,175253E+09	1,295500E+09	1,295489E+09	1,175227E+09	9,659854E+08
2899	7,201081E+08	5,034902E+08	3,778950E+08	3,778972E+08	5,034887E+08	7,200991E+08	9,659771E+08	1,175224E+09	1,295485E+09	1,295485E+09	1,175223E+09	9,659765E+08
2900	7,200987E+08	5,034834E+08	3,778892E+08	3,778900E+08	5,034825E+08	7,200877E+08	9,659548E+08	1,175201E+09	1,295471E+09	1,295483E+09	1,175234E+09	9,659992E+08
2901	7,201311E+08	5,035180E+08	3,779177E+08	3,779173E+08	5,035217E+08	7,201427E+08	9,660012E+08	1,175219E+09	1,295464E+09	1,295464E+09	1,175211E+09	9,659742E+08
2902	7,201050E+08	5,035000E+08	3,779142E+08	3,779176E+08	5,035047E+08	7,201079E+08	9,659696E+08	1,175197E+09	1,295445E+09	1,295442E+09	1,175199E+09	9,659766E+08
2903	7,201162E+08	5,035143E+08	3,779291E+08	3,779309E+08	5,035180E+08	7,201223E+08	9,659893E+08	1,175214E+09	1,295445E+09	1,295428E+09	1,175182E+09	9,659762E+08
2904	7,201378E+08	5,035451E+08	3,779597E+08	3,779651E+08	5,035551E+08	7,201465E+08	9,659896E+08	1,175205E+09	1,295440E+09	1,295423E+09	1,175164E+09	9,659447E+08

1 Longitude ⊙ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2905	7,201090E+08	5,035341E+08	3,779625E+08	3,779639E+08	5,035362E+08	7,201107E+08	9,659433E+08	1,175159E+09	1,295411E+09	1,295424E+09	1,175193E+09	9,659780E+08
2906	7,201385E+08	5,035643E+08	3,779924E+08	3,779909E+08	5,035656E+08	7,201502E+08	9,659850E+08	1,175181E+09	1,295407E+09	1,295405E+09	1,175174E+09	9,659740E+08
2907	7,201452E+08	5,035726E+08	3,780051E+08	3,780122E+08	5,035859E+08	7,201528E+08	9,659686E+08	1,175157E+09	1,295384E+09	1,295383E+09	1,175152E+09	9,659550E+08
2908	7,201329E+08	5,035674E+08	3,780019E+08	3,780031E+08	5,035686E+08	7,201281E+08	9,659411E+08	1,175135E+09	1,295370E+09	1,295380E+09	1,175164E+09	9,659822E+08
2909	7,201700E+08	5,036029E+08	3,780264E+08	3,780211E+08	5,035935E+08	7,201703E+08	9,659882E+08	1,175168E+09	1,295383E+09	1,295373E+09	1,175144E+09	9,659575E+08
2910	7,201441E+08	5,035819E+08	3,780170E+08	3,780181E+08	5,035772E+08	7,201327E+08	9,659523E+08	1,175152E+09	1,295383E+09	1,295376E+09	1,175144E+09	9,659512E+08
2911	7,201340E+08	5,035702E+08	3,780033E+08	3,780024E+08	5,035659E+08	7,201274E+08	9,659529E+08	1,175159E+09	1,295393E+09	1,295391E+09	1,175161E+09	9,659683E+08
2912	7,201506E+08	5,035821E+08	3,780085E+08	3,780113E+08	5,035904E+08	7,201642E+08	9,659788E+08	1,175168E+09	1,295401E+09	1,295400E+09	1,175158E+09	9,659471E+08
2913	7,201145E+08	5,035446E+08	3,779777E+08	3,779806E+08	5,035509E+08	7,201244E+08	9,659515E+08	1,175150E+09	1,295394E+09	1,295414E+09	1,175192E+09	9,659795E+08
2914	7,201316E+08	5,035444E+08	3,779647E+08	3,779631E+08	5,035426E+08	7,201391E+08	9,659940E+08	1,175202E+09	1,295426E+09	1,295417E+09	1,175183E+09	9,659800E+08
2915	7,201395E+08	5,035456E+08	3,779590E+08	3,779620E+08	5,035492E+08	7,201410E+08	9,659870E+08	1,175204E+09	1,295441E+09	1,295426E+09	1,175170E+09	9,659500E+08
2916	7,201069E+08	5,035193E+08	3,779362E+08	3,779331E+08	5,035107E+08	7,200979E+08	9,659462E+08	1,175177E+09	1,295439E+09	1,295449E+09	1,175205E+09	9,659834E+08
2917	7,201344E+08	5,035399E+08	3,779493E+08	3,779434E+08	5,035274E+08	7,201320E+08	9,659888E+08	1,175205E+09	1,295447E+09	1,295446E+09	1,175200E+09	9,659761E+08
2918	7,201209E+08	5,035261E+08	3,779454E+08	3,779505E+08	5,035307E+08	7,201153E+08	9,659644E+08	1,175189E+09	1,295436E+09	1,295434E+09	1,175188E+09	9,659632E+08
2919	7,201077E+08	5,035136E+08	3,779332E+08	3,779376E+08	5,035218E+08	7,201104E+08	9,659570E+08	1,175177E+09	1,295423E+09	1,295428E+09	1,175194E+09	9,659835E+08
2920	7,201406E+08	5,035494E+08	3,779634E+08	3,779651E+08	5,035561E+08	7,201554E+08	9,659941E+08	1,175192E+09	1,295419E+09	1,295409E+09	1,175165E+09	9,659538E+08
2921	7,201166E+08	5,035373E+08	3,779640E+08	3,779674E+08	5,035426E+08	7,201232E+08	9,659596E+08	1,175163E+09	1,295400E+09	1,295404E+09	1,175172E+09	9,659634E+08
2922	7,201283E+08	5,035523E+08	3,779793E+08	3,779783E+08	5,035484E+08	7,201281E+08	9,659726E+08	1,175181E+09	1,295407E+09	1,295396E+09	1,175160E+09	9,659684E+08
2923	7,201525E+08	5,035847E+08	3,780126E+08	3,780163E+08	5,035917E+08	7,201573E+08	9,659698E+08	1,175162E+09	1,295389E+09	1,295377E+09	1,175134E+09	9,659352E+08
2924	7,201231E+08	5,035719E+08	3,780157E+08	3,780198E+08	5,035809E+08	7,201292E+08	9,659265E+08	1,175111E+09	1,295353E+09	1,295372E+09	1,175157E+09	9,659705E+08
2925	7,201604E+08	5,036060E+08	3,780436E+08	3,780415E+08	5,036028E+08	7,201647E+08	9,659721E+08	1,175137E+09	1,295343E+09	1,295346E+09	1,175138E+09	9,659674E+08
2926	7,201665E+08	5,036154E+08	3,780581E+08	3,780636E+08	5,036222E+08	7,201637E+08	9,659593E+08	1,175133E+09	1,295339E+09	1,295325E+09	1,175105E+09	9,659352E+08
2927	7,201436E+08	5,036027E+08	3,780492E+08	3,780494E+08	5,036016E+08	7,201405E+08	9,659341E+08	1,175111E+09	1,295333E+09	1,295335E+09	1,175122E+09	9,659584E+08
2928	7,201736E+08	5,036333E+08	3,780733E+08	3,780694E+08	5,036260E+08	7,201756E+08	9,659687E+08	1,175131E+09	1,295338E+09	1,295330E+09	1,175108E+09	9,659360E+08
2929	7,201475E+08	5,036109E+08	3,780613E+08	3,780661E+08	5,036175E+08	7,201494E+08	9,659381E+08	1,175111E+09	1,295333E+09	1,295342E+09	1,175128E+09	9,659442E+08
2930	7,201414E+08	5,035965E+08	3,780413E+08	3,780416E+08	5,035975E+08	7,201443E+08	9,659488E+08	1,175131E+09	1,295353E+09	1,295356E+09	1,175142E+09	9,659665E+08
2931	7,201643E+08	5,036105E+08	3,780453E+08	3,780469E+08	5,036186E+08	7,201809E+08	9,659791E+08	1,175147E+09	1,295359E+09	1,295352E+09	1,175125E+09	9,659374E+08
2932	7,201273E+08	5,035742E+08	3,780156E+08	3,780178E+08	5,035790E+08	7,201358E+08	9,659471E+08	1,175133E+09	1,295364E+09	1,295375E+09	1,175156E+09	9,659672E+08
2933	7,201481E+08	5,035793E+08	3,780056E+08	3,779995E+08	5,035644E+08	7,201401E+08	9,659777E+08	1,175173E+09	1,295393E+09	1,295386E+09	1,175159E+09	9,659708E+08
2934	7,201529E+08	5,035810E+08	3,780053E+08	3,780059E+08	5,035760E+08	7,201395E+08	9,659665E+08	1,175177E+09	1,295409E+09	1,295393E+09	1,175144E+09	9,659362E+08
2935	7,201126E+08	5,035477E+08	3,779788E+08	3,779780E+08	5,035456E+08	7,201097E+08	9,659315E+08	1,175142E+09	1,295396E+09	1,295411E+09	1,175179E+09	9,659729E+08
2936	7,201413E+08	5,035678E+08	3,779933E+08	3,779912E+08	5,035648E+08	7,201450E+08	9,659706E+08	1,175156E+09	1,295385E+09	1,295391E+09	1,175164E+09	9,659645E+08
2937	7,201335E+08	5,035586E+08	3,779900E+08	3,779978E+08	5,035714E+08	7,201371E+08	9,659594E+08	1,175150E+09	1,295374E+09	1,295380E+09	1,175157E+09	9,659546E+08
2938	7,201234E+08	5,035499E+08	3,779788E+08	3,779806E+08	5,035521E+08	7,201230E+08	9,659540E+08	1,175156E+09	1,295383E+09	1,295379E+09	1,175155E+09	9,659695E+08
2939	7,201555E+08	5,035890E+08	3,780138E+08	3,780112E+08	5,035876E+08	7,201649E+08	9,659813E+08	1,175162E+09	1,295376E+09	1,295360E+09	1,175121E+09	9,659309E+08
2940	7,201255E+08	5,035758E+08	3,780187E+08	3,780223E+08	5,035828E+08	7,201345E+08	9,659417E+08	1,175127E+09	1,295358E+09	1,295362E+09	1,175135E+09	9,659462E+08

1 Longitude $\ominus$ Years	2 0° - 30°	3 30° - 60°	4 60° - 90°	5 90° - 120°	6 120° - 150°	7 150° - 180°	8 180° - 210°	9 210° - 240°	10 240° - 270°	11 270° - 300°	12 300° - 330°	13 330° - 360°
2941	7,201415E+08	5,035924E+08	3,780340E+08	3,780330E+08	5,035886E+08	7,201393E+08	9,659500E+08	1,175132E+09	1,295351E+09	1,295352E+09	1,175136E+09	9,659630E+08
2942	7,201683E+08	5,036241E+08	3,780675E+08	3,780727E+08	5,036348E+08	7,201735E+08	9,659585E+08	1,175127E+09	1,295336E+09	1,295324E+09	1,175100E+09	9,659256E+08
2943	7,201368E+08	5,036067E+08	3,780641E+08	3,780703E+08	5,036215E+08	7,201509E+08	9,659262E+08	1,175085E+09	1,295303E+09	1,295317E+09	1,175117E+09	9,659579E+08
2944	7,201740E+08	5,036415E+08	3,780923E+08	3,780901E+08	5,036368E+08	7,201734E+08	9,659574E+08	1,175103E+09	1,295295E+09	1,295291E+09	1,175094E+09	9,659501E+08
2945	7,201801E+08	5,036532E+08	3,781074E+08	3,781119E+08	5,036586E+08	7,201770E+08	9,659467E+08	1,175096E+09	1,295292E+09	1,295287E+09	1,175079E+09	9,659229E+08
2946	7,201546E+08	5,036376E+08	3,780959E+08	3,780934E+08	5,036307E+08	7,201470E+08	9,659206E+08	1,175083E+09	1,295296E+09	1,295301E+09	1,175099E+09	9,659491E+08
2947	7,201834E+08	5,036647E+08	3,781172E+08	3,781130E+08	5,036597E+08	7,201883E+08	9,659534E+08	1,175095E+09	1,295292E+09	1,295287E+09	1,175078E+09	9,659248E+08
2948	7,201566E+08	5,036401E+08	3,781035E+08	3,781106E+08	5,036555E+08	7,201697E+08	9,659320E+08	1,175079E+09	1,295288E+09	1,295298E+09	1,175094E+09	9,659360E+08
2949	7,201578E+08	5,036284E+08	3,780805E+08	3,780788E+08	5,036245E+08	7,201554E+08	9,659424E+08	1,175104E+09	1,295309E+09	1,295311E+09	1,175113E+09	9,659611E+08
2950	7,201810E+08	5,036443E+08	3,780873E+08	3,780859E+08	5,036439E+08	7,201849E+08	9,659711E+08	1,175134E+09	1,295331E+09	1,295310E+09	1,175089E+09	9,659216E+08
2951	7,201361E+08	5,036038E+08	3,780559E+08	3,780565E+08	5,036048E+08	7,201410E+08	9,659342E+08	1,175110E+09	1,295334E+09	1,295341E+09	1,175125E+09	9,659490E+08
2952	7,201514E+08	5,036066E+08	3,780487E+08	3,780433E+08	5,035925E+08	7,201384E+08	9,659484E+08	1,175129E+09	1,295346E+09	1,295347E+09	1,175131E+09	9,659571E+08
2953	7,201598E+08	5,036104E+08	3,780495E+08	3,780530E+08	5,036154E+08	7,201552E+08	9,659479E+08	1,175126E+09	1,295350E+09	1,295353E+09	1,175127E+09	9,659319E+08
2954	7,201237E+08	5,035771E+08	3,780205E+08	3,780201E+08	5,035791E+08	7,201272E+08	9,659260E+08	1,175109E+09	1,295344E+09	1,295362E+09	1,175150E+09	9,659673E+08
2955	7,201561E+08	5,036003E+08	3,780358E+08	3,780332E+08	5,035994E+08	7,201643E+08	9,659681E+08	1,175131E+09	1,295335E+09	1,295332E+09	1,175119E+09	9,659480E+08
2956	7,201470E+08	5,035946E+08	3,780370E+08	3,780444E+08	5,036087E+08	7,201552E+08	9,659555E+08	1,175128E+09	1,295337E+09	1,295330E+09	1,175109E+09	9,659352E+08
2957	7,201385E+08	5,035891E+08	3,780290E+08	3,780273E+08	5,035832E+08	7,201307E+08	9,659401E+08	1,175126E+09	1,295344E+09	1,295341E+09	1,175125E+09	9,659563E+08
2958	7,201673E+08	5,036271E+08	3,780678E+08	3,780646E+08	5,036236E+08	7,201704E+08	9,659652E+08	1,175136E+09	1,295339E+09	1,295320E+09	1,175091E+09	9,659174E+08
2959	7,201333E+08	5,036085E+08	3,780687E+08	3,780754E+08	5,036248E+08	7,201512E+08	9,659277E+08	1,175090E+09	1,295311E+09	1,295320E+09	1,175109E+09	9,659378E+08
2960	7,201521E+08	5,036257E+08	3,780847E+08	3,780860E+08	5,036285E+08	7,201529E+08	9,659312E+08	1,175083E+09	1,295287E+09	1,295295E+09	1,175102E+09	9,659565E+08
2961	7,201874E+08	5,036634E+08	3,781184E+08	3,781236E+08	5,036754E+08	7,201930E+08	9,659499E+08	1,175085E+09	1,295274E+09	1,295270E+09	1,175068E+09	9,659190E+08
2962	7,201571E+08	5,036482E+08	3,781147E+08	3,781162E+08	5,036522E+08	7,201608E+08	9,659174E+08	1,175060E+09	1,295261E+09	1,295265E+09	1,175076E+09	9,659436E+08
2963	7,201908E+08	5,036828E+08	3,781440E+08	3,781381E+08	5,036705E+08	7,201821E+08	9,659383E+08	1,175067E+09	1,295248E+09	1,295239E+09	1,175049E+09	9,659268E+08
2964	7,201890E+08	5,036903E+08	3,781596E+08	3,781645E+08	5,036989E+08	7,201908E+08	9,659299E+08	1,175059E+09	1,295248E+09	1,295241E+09	1,175041E+09	9,659062E+08
2965	7,201653E+08	5,036719E+08	3,781444E+08	3,781424E+08	5,036681E+08	7,201614E+08	9,659058E+08	1,175044E+09	1,295248E+09	1,295261E+09	1,175075E+09	9,659425E+08
2966	7,201940E+08	5,036949E+08	3,781621E+08	3,781593E+08	5,036948E+08	7,202032E+08	9,659502E+08	1,175074E+09	1,295251E+09	1,295241E+09	1,175047E+09	9,659138E+08
2967	7,201650E+08	5,036658E+08	3,781412E+08	3,781498E+08	5,036865E+08	7,201872E+08	9,659343E+08	1,175066E+09	1,295258E+09	1,295259E+09	1,175064E+09	9,659236E+08
2968	7,201656E+08	5,036555E+08	3,781191E+08	3,781159E+08	5,036484E+08	7,201585E+08	9,659257E+08	1,175076E+09	1,295274E+09	1,295274E+09	1,175083E+09	9,659484E+08
2969	7,201920E+08	5,036744E+08	3,781270E+08	3,781236E+08	5,036699E+08	7,201901E+08	9,659523E+08	1,175097E+09	1,295293E+09	1,295285E+09	1,175074E+09	9,659151E+08
2970	7,201471E+08	5,036333E+08	3,780959E+08	3,780943E+08	5,036289E+08	7,201433E+08	9,659159E+08	1,175079E+09	1,295297E+09	1,295308E+09	1,175106E+09	9,659456E+08
2971	7,201642E+08	5,036362E+08	3,780892E+08	3,780848E+08	5,036262E+08	7,201500E+08	9,659261E+08	1,175083E+09	1,295290E+09	1,295297E+09	1,175099E+09	9,659488E+08
2972	7,201726E+08	5,036413E+08	3,780924E+08	3,780978E+08	5,036543E+08	7,201776E+08	9,659423E+08	1,175091E+09	1,295294E+09	1,295295E+09	1,175085E+09	9,659224E+08
2973	7,201422E+08	5,036123E+08	3,780649E+08	3,780628E+08	5,036107E+08	7,201427E+08	9,659226E+08	1,175083E+09	1,295296E+09	1,295307E+09	1,175110E+09	9,659539E+08
2974	7,201701E+08	5,036364E+08	3,780840E+08	3,780791E+08	5,036300E+08	7,201730E+08	9,659638E+08	1,175119E+09	1,295303E+09	1,295282E+09	1,175071E+09	9,659227E+08
2975	7,201523E+08	5,036272E+08	3,780849E+08	3,780921E+08	5,036431E+08	7,201680E+08	9,659464E+08	1,175106E+09	1,295307E+09	1,295294E+09	1,175073E+09	9,659120E+08
2976	7,201404E+08	5,036204E+08	3,780798E+08	3,780793E+08	5,036189E+08	7,201360E+08	9,659137E+08	1,175082E+09	1,295297E+09	1,295301E+09	1,175097E+09	9,659445E+08

1	2	3	4	5	6	7	8	9	10	11	12	13
Longitude $\odot$	0° - 30°	30° - 60°	60° - 90°	90° - 120°	120° - 150°	150° - 180°	180° - 210°	210° - 240°	240° - 270°	270° - 300°	300° - 330°	330° - 360°
Years												
2977	7,201778E+08	5,036610E+08	3,781180E+08	3,781178E+08	5,036669E+08	7,201889E+08	9,659470E+08	1,175085E+09	1,295282E+09	1,295281E+09	1,175074E+09	9,659170E+08
2978	7,201510E+08	5,036448E+08	3,781177E+08	3,781241E+08	5,036612E+08	7,201676E+08	9,659201E+08	1,175057E+09	1,295258E+09	1,295269E+09	1,175079E+09	9,659367E+08
2979	7,201746E+08	5,036660E+08	3,781344E+08	3,781344E+08	5,036658E+08	7,201679E+08	9,659175E+08	1,175047E+09	1,295231E+09	1,295234E+09	1,175058E+09	9,659436E+08
2980	7,202072E+08	5,037068E+08	3,781726E+08	3,781752E+08	5,037136E+08	7,202088E+08	9,659389E+08	1,175053E+09	1,295228E+09	1,295215E+09	1,175021E+09	9,659021E+08
2981	7,201758E+08	5,036918E+08	3,781701E+08	3,781675E+08	5,036852E+08	7,201680E+08	9,658995E+08	1,175024E+09	1,295216E+09	1,295222E+09	1,175043E+09	9,659283E+08
2982	7,202020E+08	5,037208E+08	3,781984E+08	3,781925E+08	5,037081E+08	7,201906E+08	9,659235E+08	1,175040E+09	1,295208E+09	1,295195E+09	1,175013E+09	9,659088E+08
2983	7,201942E+08	5,037199E+08	3,782062E+08	3,782151E+08	5,037411E+08	7,202124E+08	9,659207E+08	1,175026E+09	1,295204E+09	1,295200E+09	1,175011E+09	9,658925E+08
2984	7,201701E+08	5,036982E+08	3,781869E+08	3,781873E+08	5,037022E+08	7,201760E+08	9,658946E+08	1,175007E+09	1,295195E+09	1,295212E+09	1,175045E+09	9,659348E+08
2985	7,202074E+08	5,037243E+08	3,782014E+08	3,781992E+08	5,037260E+08	7,202195E+08	9,659458E+08	1,175045E+09	1,295208E+09	1,295202E+09	1,175022E+09	9,659082E+08
2986	7,201804E+08	5,036973E+08	3,781799E+08	3,781842E+08	5,037064E+08	7,201901E+08	9,659237E+08	1,175046E+09	1,295230E+09	1,295225E+09	1,175035E+09	9,659139E+08
2987	7,201792E+08	5,036874E+08	3,781594E+08	3,781541E+08	5,036739E+08	7,201603E+08	9,659002E+08	1,175038E+09	1,295233E+09	1,295235E+09	1,175050E+09	9,659330E+08
2988	7,202015E+08	5,037063E+08	3,781710E+08	3,781679E+08	5,037032E+08	7,202003E+08	9,659320E+08	1,175056E+09	1,295246E+09	1,295241E+09	1,175041E+09	9,659052E+08
2989	7,201605E+08	5,036647E+08	3,781394E+08	3,781384E+08	5,036627E+08	7,201576E+08	9,659018E+08	1,175038E+09	1,295245E+09	1,295262E+09	1,175077E+09	9,659385E+08
2990	7,201768E+08	5,036664E+08	3,781322E+08	3,781297E+08	5,036607E+08	7,201678E+08	9,659278E+08	1,175065E+09	1,295245E+09	1,295240E+09	1,175056E+09	9,659319E+08
2991	7,201814E+08	5,036693E+08	3,781322E+08	3,781397E+08	5,036883E+08	7,201990E+08	9,659468E+08	1,175079E+09	1,295263E+09	1,295249E+09	1,175044E+09	9,659015E+08
2992	7,201470E+08	5,036415E+08	3,781080E+08	3,781052E+08	5,036390E+08	7,201506E+08	9,659105E+08	1,175058E+09	1,295263E+09	1,295269E+09	1,175076E+09	9,659363E+08
2993	7,201784E+08	5,036680E+08	3,781290E+08	3,781241E+08	5,036616E+08	7,201828E+08	9,659483E+08	1,175084E+09	1,295269E+09	1,295259E+09	1,175055E+09	9,659138E+08
2994	7,201628E+08	5,036596E+08	3,781309E+08	3,781374E+08	5,036731E+08	7,201738E+08	9,659279E+08	1,175074E+09	1,295272E+09	1,295265E+09	1,175056E+09	9,659103E+08
2995	7,201566E+08	5,036555E+08	3,781272E+08	3,781287E+08	5,036586E+08	7,201496E+08	9,658882E+08	1,175030E+09	1,295237E+09	1,295250E+09	1,175067E+09	9,659407E+08
2996	7,201989E+08	5,037013E+08	3,781695E+08	3,781694E+08	5,037074E+08	7,202090E+08	9,659363E+08	1,175043E+09	1,295218E+09	1,295216E+09	1,175033E+09	9,659131E+08
2997	7,201787E+08	5,036906E+08	3,781726E+08	3,781760E+08	5,036970E+08	7,201807E+08	9,659090E+08	1,175022E+09	1,295202E+09	1,295207E+09	1,175035E+09	9,659250E+08
2998	7,201960E+08	5,037122E+08	3,781928E+08	3,781895E+08	5,037014E+08	7,201764E+08	9,659053E+08	1,175020E+09	1,295184E+09	1,295174E+09	1,175003E+09	9,659162E+08
2999	7,202153E+08	5,037451E+08	3,782278E+08	3,782307E+08	5,037539E+08	7,202244E+08	9,659263E+08	1,175021E+09	1,295186E+09	1,295169E+09	1,174979E+09	9,658749E+08