

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

January 0 – February 1 a = 0 , b = 32

CN	Bs	Ls
N	°	°
0	-0.662303579656147	440.658017010419
1	0.417919368896814	-194.53213813829
2	0.0437872249271307	0.133930886280308
3	-0.0174163316987436	-0.0225456535195918
4	-0.0125891605320663	-0.0586680073176344
5	0.0000542837906029405	0.000889703106468046
6	0.00140854195609697	0.00831817384941413
7	0.0016178387150744	0.0018169079173696
8	0.000137067830394491	-0.000757303305232848
9	-0.000501630996022606	-0.000676587086261616
10	-0.000152462867240575	-0.0000683880917275166
11	0.0000746959762609731	0.000148855448808619
12	0.0000612301477008576	0.0000708320380825029
13	0.000003611017738565	-0.00001662192001262
14	-0.0000156134230266301	-0.0000241189342634131
15	-0.00000712703713603774	-0.00000363980397553908
16	0.00000199538209300771	0.00000516757886622163
17	0.00000288480083881904	0.00000281081641919485
18	0.00000044616464201094	-0.000000430299705354048
19	-0.000000704743693044509	-0.0000000947393425502966
20	-0.000000391246173700434	-0.000000216692963401248
21	0.0000000685012111636338	0.000000194985673004751
22	0.000000145052250760539	0.000000132386342614936
23	0.0000000341005174284626	-0.00000000916956666503643
24	-0.0000000332815902375224	-0.0000000419737010221557
25	-0.0000000226434294932999	-0.0000000122424965048366
26	0.000000000871348535121694	0.00000000770282918568176
27	0.00000000778571545339535	0.0000000063459819503999
28	0.0000000034601785662979	0.000000000203404002806456
29	-0.00000000129161031046042	-0.0000000016004486573297
30	-0.0000000011613090432217	-0.000000000681812402292133
31	-0.000000000963201418409932	0.000000000126981006311349
32	0.000000000556679110715783	0.000000000275173396649847
33	0.000000000428640178972737	-0.000000000327591366521918
34	-0.000000000803764795108447	-0.000000000173868986194875
35	-0.000000000375776903258553	-0.0000000000805322273003311
36	0.000000000437787113986093	0.00000000011496083069906
37	0.00000000170399957985094	0.000000000488926926587405
38	0.00000000103855115157664	0.0000000000847790764913536
39	-0.00000000114333802524245	-0.0000000000418866876401596
40	-0.00000000184911563940372	-0.000000000286040703349169

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

January 31 – March 1 a = 31 , b = 60

CN	Bs	Ls
N	°	°
0	0.141096057074567	441.860088583194
1	0.425625938304868	-176.40069473742
2	0.0285654262012085	0.125380039511488
3	-0.0170727918953331	-0.0159783877491736
4	-0.0111366558313214	-0.0451954412504666
5	0.0000493413012062681	0.000107134388104336
6	0.00187469015825646	0.00571418379472673
7	0.00106679834154478	0.00100422357483881
8	-0.000225803107882237	-0.000541021806614105
9	-0.000319036374451984	-0.000326418305785795
10	-0.0000162077176211334	-0.00000709224666703423
11	0.0000604796837290317	0.0000685576235937115
12	0.0000199654646779186	0.0000246998370602587
13	-0.00000668353080876133	-0.00000882866616137157
14	-0.00000692960069021587	-0.00000832836830932879
15	-0.000000756575496766343	-0.000000353787465293969
16	0.00000154046734980185	0.0000018024135514105
17	0.00000070374097885791	0.000000625814505847783
18	-0.000000178100267083984	-0.000000227925340369458
19	-0.00000023817161957428	-0.000000221934543063441
20	-0.0000000287926213116291	-0.0000000153502451746375
21	0.0000000525574401728201	0.0000000498792337119643
22	0.0000000247804097140324	0.0000000197659073318074
23	-0.00000000552564056134513	-0.0000000063534091387539
24	-0.00000000889876394949404	-0.00000000701370870887765
25	-0.00000000138607110294295	-0.000000000726856113109805
26	0.00000000185035750654742	0.00000000151709809330754
27	0.0000000000392152816810408	0.000000000698720799043539
28	-0.00000000134809475719939	-0.000000000248249088337534
29	-0.000000000461777533004222	-0.000000000264359007996084
30	0.00000000119342346053032	0.0000000000687693187674482
31	0.00000000111292765056326	0.000000000482230174260295
32	0.0000000000812602081914032	0.00000000003644531733932
33	-0.000000000323740668254542	-0.000000000263544290162071
34	-0.000000000641879783761204	-0.000000000499028626303551
35	-0.000000000103661780368098	0.000000000158532062816841
36	0.000000000980807503987644	0.000000000667882798589743
37	0.000000000698048274709379	-0.000000000151883455234721
38	-0.000000000731603515789585	-0.000000000390569031416717
39	-0.00000000126065050835189	-0.000000000219568122031024
40	0.000000000145692693197854	-0.0000000000202722967434627

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

February 28 – April 1 a = 59 , b = 91

CN	Bs	Ls
N	°	°
0	0.901258848385475	442.756360227859
1	0.368427279776201	-194.877389802814
2	0.00636608400343557	0.104557513152391
3	-0.0227343954613386	-0.016803183179647
4	-0.0125489340553321	-0.0574029373955028
5	0.00320710739247404	0.0024774690349471
6	0.00331183788224279	0.0089065460068188
7	0.000563246800843941	0.000304679706170624
8	-0.000876657819920428	-0.00123945747070354
9	-0.000320901887610568	-0.000222973603105362
10	0.000180987206875252	0.000144706172516609
11	0.0000951910777776324	0.0000756856318798358
12	-0.0000253435784915016	-0.000000292985736152705
13	-0.000023911486531531	-0.0000193134924811938
14	0.000000271542380015487	-0.00000647269753154601
15	0.00000509672860427082	0.00000367403707623119
16	0.00000145433536294288	0.00000259303208065524
17	-0.000000810163224408762	-0.000000393546077645412
18	-0.000000661898332369144	-0.000000717580562913146
19	0.0000000334417811763357	-0.0000000619228784574747
20	0.000000199700903031295	0.000000153091554472548
21	0.0000000410249103880252	0.0000000531876216203437
22	-0.000000045144586311053	-0.0000000224034256586946
23	-0.0000000219935772007227	-0.0000000197673054303084
24	0.00000000654881567901758	0.000000000131576950777513
25	0.00000000742816177061934	0.00000000556504954317367
26	0.000000000405300791023326	0.000000001416932331546
27	-0.00000000159417462554173	-0.00000000123291377763066
28	-0.000000000709158453876101	-0.000000000651710018116526
29	-0.0000000002093568645852	0.000000000329014922946403
30	0.00000000013270015036695	0.000000000195920893316594
31	0.000000000487269033571609	-0.0000000000585294416492762
32	0.000000000226148192857535	-0.0000000000386567783761539
33	-0.000000000212954757036869	-0.0000000000339256852541366
34	-0.000000000240899991624166	0.00000000000180732136783105
35	-0.000000000124401710241716	-0.0000000000241320092437116
36	0.000000000189801352461188	-0.00000000000147078655071714
37	0.000000000195489010370528	0.000000000243133863736538
38	0.000000000251969705078574	0.0000000000327253623029349
39	0.000000000110382119778027	0.000000000165691849375046
40	-0.000000000385400608254149	-0.00000000000454502194618715

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

March 31 – May 1 a = 90 , b = 121

CN	Bs	Ls
N	°	°
0	1.40724155529063	431.00552589221
1	0.171519920095769	-189.026754209135
2	-0.0136600338713468	0.0989613932266692
3	-0.0239651297221937	-0.0358607341905262
4	-0.00641353501900838	-0.0489774374917578
5	0.00545688589421806	0.00827826367867163
6	0.00240622521332203	0.00676195692540356
7	-0.000907808997521687	-0.00143659369441176
8	-0.000757781227442233	-0.000805733969131567
9	0.000190587573755657	0.000217057198482211
10	0.0001722782322049	0.0000884390695853647
11	-0.0000419598559701707	-0.00001450452294171
12	-0.0000323042608812716	-0.0000051770983556515
13	0.00000770002432835355	-0.0000041056918185206
14	0.00000525193171991792	-0.000000439915889700161
15	-0.000000865776824800919	0.00000212033678019691
16	-0.000000714663227856501	0.000000172882638217374
17	-0.0000000796145217226029	-0.000000599136501546084
18	0.0000000764996289413869	-0.0000000266694321130911
19	0.0000000837967832036737	0.000000126065168823649
20	-0.00000000510029524812378	0.000000003581277085224
21	-0.0000000312548102607331	-0.0000000200188333204925
22	0.000000000340755022897544	-0.0000000014191412536878
23	0.000000000812651481289968	0.00000000208270628931241
24	-0.0000000000806117373527843	0.000000000767289442866003
25	-0.00000000158773586001884	-0.0000000000107996836595568
26	-0.000000000296982284850142	-0.000000000297880151184777
27	0.000000000824864697630926	-0.0000000000885711234828167
28	-0.000000000308047005775226	0.000000000101774964496832
29	-0.000000000175771162204143	0.0000000000858138040995344
30	0.0000000000268899918890525	-0.0000000000281123263277104
31	-0.0000000000484631823644424	0.0000000000692922274264642
32	0.000000000429724595418128	-0.00000000000111095713660466
33	-0.000000000197641592517483	0.0000000000101357984481202
34	-0.0000000000475201710753509	0.000000000000975262442868106
35	0.0000000000924652404614207	-0.00000000000147532068351273
36	-0.000000000189442969264301	-0.0000000000008525305979818
37	-0.000000000276741914388039	-0.00000000000530024810187407
38	0.000000000193692489957533	-0.00000000000440248692568687
39	0.000000000371138650887115	0.0000000000889032957043273
40	0.000000000202551226088641	0.00000000000570126087012961

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)  
April 30 – June 1 a = 120 , b = 152

CN	Bs	Ls
N	°	°
0	1.49441941371467	418.776022824811
1	-0.0608790319281646	-195.353655146882
2	-0.0270542050468698	0.0882031065361213
3	-0.0207125803124549	-0.056062858688284
4	-0.000143101177941248	-0.0456142389924677
5	0.00644329625001753	0.0139556830997264
6	0.000308814791454301	0.00482560429610601
7	-0.00174998438948878	-0.00256558476241284
8	-0.0000851074934901958	-0.0000517649187835458
9	0.000431877028905802	0.000384240808271158
10	-0.0000287810281425328	-0.0000792141408064449
11	-0.0000821898413489871	-0.0000146366455517017
12	0.0000200794204560386	0.0000188786925515238
13	0.0000103077758401608	-0.0000100438158546057
14	-0.00000543378716018024	-0.000000566121988547112
15	0.0000000681802160798805	0.00000328715114809472
16	0.000000699544716325739	-0.00000103874807908746
17	-0.000000416407215623567	-0.000000494677279535416
18	0.0000000919384219357658	0.000000385160324997377
19	0.0000000967239232107554	-0.0000000133359236965427
20	-0.00000007806552896329	-0.0000000713177748644046
21	-0.000000000182559310671965	0.000000028158153100339
22	0.0000000221455769488237	0.000000002657600247222
23	-0.00000000648107869219649	-0.00000000742618545157118
24	-0.0000000038183679424436	0.0000000029646894726043
25	0.00000000266847454185807	0.000000000834646801151823
26	0.000000000374262026927297	-0.00000000106165695579074
27	-0.00000000152574021261038	0.000000000142691780009372
28	0.000000000776168280792056	0.000000000136208542382196
29	-0.000000000291203458683169	0.0000000000866065514594484
30	-0.000000000283576005290327	0.0000000000068283054235288
31	0.000000000688586270599392	-0.0000000000861249658279346
32	-0.000000000661442241280416	0.0000000000190161186547888
33	0.000000000723985244839799	-0.0000000000347444429615702
34	-0.000000000314936184728501	0.000000000021993687761856
35	-0.00000000079040614573768	0.00000000000274286983855163
36	0.00000000132649567686104	-0.0000000000544467448118731
37	-0.0000000010456454424333	0.0000000000279132195398825
38	-0.000000000291550288331385	0.00000000000475258292067324
39	0.00000000131944925104191	0.0000000000120825035109788
40	-0.00000000067687703975303	0.0000000000031695046498177

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

May 31 – July 1 a = 151 , b = 182

CN	Bs	Ls
N	°	°
0	1.15909022521093	406.172708603987
1	-0.259547706020204	-189.376045538786
2	-0.0240873666328076	0.0865096720305598
3	-0.0124848411449136	-0.0699152865279942
4	0.00371164093469658	-0.0328207595852786
5	0.00393904535106443	0.0143703900482871
6	-0.00164720791282252	0.00124438862859833
7	-0.00100101563004332	-0.00165663007863047
8	0.000514186313632098	0.000572532402301281
9	0.000132117790943431	0.000048002192725529
10	-0.000113954389539169	-0.0000895320798507842
11	0.0000106669863152578	0.0000462089437665865
12	0.0000134873157577054	-0.00000652160445163087
13	-0.00000687155281922258	-0.00000971713053843098
14	0.00000144995766177678	0.00000559832791158869
15	0.000000631791533241658	-0.0000003694398674841
16	-0.000000908933644731878	-0.00000104633966111823
17	0.000000310380331993781	0.000000536639563137954
18	0.0000000997287510526448	-0.0000000308938384107129
19	-0.000000128535644776786	-0.0000000954876902599505
20	0.0000000340574222297139	0.0000000572276367701069
21	0.0000000139848011378593	-0.00000000725565657769457
22	-0.0000000143893112920259	-0.0000000102354748662395
23	0.00000000470671218519108	0.00000000707986040429276
24	0.000000000603254952852146	-0.00000000091547506895797
25	-0.000000000605243296374942	-0.00000000142975940817831
26	0.00000000118964161024621	0.000000000748821700889245
27	-0.00000000126833032201483	0.0000000000102986365001323
28	0.000000000734924861317252	-0.000000000175206473791796
29	0.000000000496105800323412	0.000000000163090031795515
30	-0.000000000806694031210264	0.0000000000446868095312063
31	0.000000000379470120566049	0.0000000000348099314002115
32	-0.000000000726207399597614	0.0000000000604319187591835
33	0.000000000875704937114987	-0.0000000000533663962944803
34	-0.000000000116499059293546	-0.00000000000402030882786971
35	-0.00000000130533516945704	0.0000000000753663022510158
36	0.00000000227138729851355	-0.000000000151919383115355
37	-0.000000000662597560726759	0.0000000000344704682230139
38	-0.0000000016508487934248	0.000000000109265224800169
39	0.00000000242315296991191	-0.0000000000590267916301395
40	-0.000000000866048983522258	0.000000000064872402020562

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

June 30 – August 1 a = 181 , b = 213

CN	Bs	Ls
N	°	°
0	0.498787063686835	393.400020616842
1	-0.399424432193627	-195.514882345959
2	-0.0112453835295525	0.0793078096325689
3	-0.0051531880798756	-0.0865103353435896
4	0.00342005274277043	-0.027111301271144
5	0.000689896600668653	0.016029018993698
6	-0.00227034935179139	0.000225491316616363
7	0.00011162244227194	-0.000675908831088673
8	0.000653356346779774	0.000700292839999279
9	-0.000100451446317853	-0.000173906429172787
10	-0.0000636593604748542	-0.0000164376080654872
11	0.0000298527597387229	0.0000426680380721748
12	-0.00000806401008441273	-0.0000311916986644625
13	-0.0000000491347224598147	0.00000152364798827003
14	0.00000193217555166237	0.0000047823381461064
15	-0.00000201883262848668	-0.00000269947842554719
16	0.000000503189991766759	0.000000615022436193111
17	0.000000318134475455068	0.000000317295319294078
18	-0.000000259265688784893	-0.000000286976933251561
19	0.0000000739079318491215	0.000000107157728383911
20	0.0000000180979806438287	0.00000000790672520749239
21	-0.0000000284875034090158	-0.0000000325749039287808
22	0.0000000142115938528641	0.000000015203543012391
23	0.000000000494524992164808	-0.00000000154234143886403
24	-0.00000000226694472846434	-0.0000000030306219702232
25	0.00000000362625857477381	0.00000000217500190620498
26	0.000000000274347414827888	-0.000000000480475051092468
27	-0.000000000613655838218405	-0.000000000413229322175982
28	0.000000000463867612814071	0.000000000235057485261616
29	-0.000000000461309543210995	0.000000000178972646048463
30	-0.00000000087651908009472	0.0000000000334082237501633
31	-0.00000000069906832408961	0.0000000000325563886038083
32	-0.000000000371741432615028	0.0000000000198164631659718
33	-0.000000000162241930887406	-0.0000000000322378335799035
34	-0.000000000355681076192965	0.0000000000583671228799913
35	-0.0000000000713907814550694	-0.0000000000413892380612975
36	0.00000000027128787248725	-0.000000000026830594670182
37	0.000000000572121970590597	0.0000000000211607862439028
38	0.000000000226389907485814	-0.0000000000426025211286186
39	0.0000000000813198766169134	0.0000000000166522553421679
40	0.0000000010333597798538	-0.0000000000761836395218864

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

July 31 – September 1 a = 212 , b = 244

CN	Bs	Ls
N	°	°
0	-0.313936844716407	374.586470836382
1	-0.417165912439753	-195.399669561289
2	0.00918345789839344	0.0571207148981373
3	-0.00200083171064111	-0.101431251889858
4	-0.000739535155518542	-0.0133649333841698
5	-0.00198619716678343	0.0162003095582416
6	-0.000500751892376813	0.000599529525587262
7	0.00122212073154252	0.000404809510798036
8	0.000188167970837673	0.000123377367058743
9	-0.000210661311629713	-0.000227270286579416
10	-0.0000169124962646033	0.0000349552233372279
11	-0.00000107655263325924	-0.0000226878411456828
12	0.00000116052197399589	-0.0000140274892183348
13	0.00000230138761672029	0.0000088541129313548
14	-0.00000158323246096625	-0.0000000915846160041407
15	0.000000903663006342631	0.000000419992654981013
16	0.000000376543853733878	0.000000405273013662311
17	-0.000000227695817147546	-0.000000314531407580984
18	0.0000000229888131701886	0.0000000427724292483252
19	-0.0000000305436228475533	-0.00000000735694749043955
20	-0.00000000841566140270925	-0.000000026823072935177
21	0.0000000115399522793158	0.0000000123600362952197
22	-0.00000000304876924455601	-0.000000000776390247225958
23	0.00000000140364254692061	-0.0000000000912612004656564
24	0.00000000140736051151337	0.00000000111109947338413
25	-0.000000000692539597800942	-0.00000000025296629685104
26	-0.00000000104788070649888	0.000000000142946632630912
27	0.000000001150431314049	-0.000000000299919022234402
28	-0.00000000109403946060752	0.0000000000382615905173538
29	-0.000000000403816042468308	0.000000000274942965979609
30	0.0000000014475825667979	-0.000000000128600519059808
31	-0.000000000941386632795225	0.0000000000289524328991891
32	0.00000000138358208583075	-0.000000000122466222399798
33	0.00000000108490491692633	-0.000000000413723048695305
34	-0.0000000015926780563745	0.000000000155790404870033
35	0.000000000658857505061077	-0.000000000102645935596486
36	-0.000000000523807453854471	0.0000000000477264084104316
37	-0.00000000106432795564686	0.000000000342116227361119
38	0.0000000014748722426965	-0.000000000142019211164871
39	-0.000000000444808980864136	0.000000000212181841741371
40	-0.000000000578999647052183	0.0000000000466969283824088



# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

August 31 – October 1 a = 243 , b = 274

CN	Bs	Ls
N	°	°
0	-1.03151989557568	362.199443221022
1	-0.302304905067202	-189.065635673336
2	0.0287063056441439	0.0380591649228602
3	-0.00473488586946852	-0.102436706371041
4	-0.00539668245491526	-0.00400684577080278
5	-0.00120188991711305	0.0151570067951117
6	0.00163303677283482	0.00159540685529706
7	0.000960956480571891	0.000114283574599764
8	-0.000289973826937393	-0.000370204891830557
9	-0.000202742926384484	-0.000129997538102895
10	-0.00000364487889505522	0.0000239828977386461
11	0.0000198065964786342	-0.0000158130954077855
12	0.00000875294352433154	0.00000231757245169114
13	-0.00000117775322374084	0.00000475779705309072
14	-0.000000365125188690817	0.00000092883548855345
15	0.000000297012254213427	0.00000015939720847583
16	-0.000000173878645577795	-0.00000042211117852199
17	-0.000000103825036060795	-0.000000120975976921112
18	-0.0000000264692684153199	0.0000000241557973770951
19	0.0000000163306101090907	0.00000000169456037663492
20	0.0000000180527050760747	0.00000000666325057241746
21	-0.00000000122004743965441	0.00000000231833669034324
22	-0.000000000496649839256279	0.000000000461160148125898
23	-0.000000000520491900048668	0.000000000339602665660004
24	0.000000000259331304736732	-0.000000000541525206280232
25	-0.0000000000690043057258882	-0.000000000287116379496382
26	-0.000000000122628590479584	0.0000000000257834204329631
27	0.000000000895756503430257	-0.00000000000703328771846932
28	-0.000000000821574625522207	0.0000000000829115045395807
29	-0.0000000000985633995075584	0.0000000000533419901604241
30	0.000000000219892294005586	-0.0000000000251023223202888
31	-0.00000000100500311401347	0.000000000158662261546648
32	0.00000000068255637424068	-0.0000000000492512172498689
33	0.000000000613994766625406	-0.0000000000451629724868739
34	-0.00000000054244366784647	0.0000000000463633550456553
35	0.000000000632827366929118	-0.0000000000514529313288237
36	-0.000000000154889909562396	0.0000000000804942970898938
37	-0.000000000976689577134155	0.0000000000686150547616827
38	0.000000000449848714778189	-0.0000000000420616602789347
39	0.000000000946395870989926	0.000000000083438349463757
40	-0.00000000017242398007553	0.0000000000299666319902329

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

September 30 – November 1 a = 273 , b = 305

CN	Bs	Ls
N	°	°
0	-1.45270888277494	350.289601719944
1	-0.108876215927633	-194.907110074103
2	0.0415264120611928	0.0134029887662355
3	-0.0135141286858566	-0.109025658864056
4	-0.00773486020581201	0.00659873882352532
5	0.00254824667913481	0.0202934269988785
6	0.0029761932360472	0.00155926577052917
7	-0.00010994816486057	-0.00134511400111835
8	-0.000828165140997336	-0.000783751366856492
9	-0.0000983183650918885	0.0000370216685682643
10	0.00013599119620423	0.000101154281045997
11	0.0000491463223709107	-0.00000828281981026814
12	-0.0000122427942805931	-0.00000242750150328836
13	-0.0000114594336326635	0.00000419797631448349
14	0.000000354173112544753	0.00000102423136485031
15	0.00000151309612920938	-0.00000126371594841776
16	-0.0000000191407733029085	-0.000000784083486660947
17	-0.000000201063092147514	0.000000186935863295513
18	0.0000000449206068868174	0.000000200339004768086
19	0.0000000665628049702801	0.00000000467702289427329
20	-0.000000011335178081863	-0.0000000298921986028012
21	-0.0000000218445843062646	-0.00000000559480713099248
22	-0.00000000128892134878015	0.00000000376334014759718
23	0.00000000507457691886472	0.000000000229055512254166
24	0.00000000111647445844113	-0.000000000841415511017351
25	-0.00000000055341288953852	0.000000000377790109828247
26	-0.000000000244567282797097	0.000000000282574515687538
27	0.000000000189074377113105	-0.000000000170419298245387
28	-0.000000000075326785704295	-0.0000000000710930196190378
29	-0.000000000178423176048465	0.000000000202719592848646
30	-0.0000000000437775036135052	0.0000000000152519425751899
31	-0.000000000149636957850374	-0.0000000000725830835789009
32	0.0000000000168441233394707	0.000000000001141691682478
33	0.000000000244569695246965	-0.000000000327770058482196
34	0.000000000189787123329703	-0.00000000000783809142538453
35	-0.0000000000953456662089682	-0.0000000000274326809787324
36	0.000000000057453568198685	-0.00000000000408213538333496
37	-0.000000000207584054090621	0.000000000247421392176066
38	-0.00000000025069053881225	0.00000000000425506744930182
39	0.000000000197337270021343	0.000000000168412803857189
40	0.0000000000604807956265775	0.00000000000800846618372487

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

October 31 – December 1 a = 304 , b = 335

CN	Bs	Ls
N	°	°
0	-1.44381584193446	338.881934965192
1	0.139530867606111	-188.56208260584
2	0.0370840654466965	-0.0246790251376593
3	-0.0226617654498015	-0.101627598064757
4	-0.00516669686966435	0.0166350376882714
5	0.00606551399361417	0.0196872404356279
6	0.00182066315623928	-0.000413100728582678
7	-0.00142485267678162	-0.00244376866119223
8	-0.000567778088957986	-0.000367577799599946
9	0.000277797214509302	0.000362020823809645
10	0.000152420419976977	0.0000648078164310118
11	-0.0000385579168508819	-0.0000624628081649437
12	-0.0000360622279800493	-0.00000641999864810309
13	0.00000460365096797395	0.0000132765391848057
14	0.00000775267926373769	0.00000110787500367937
15	-0.000000712352419591809	-0.00000330211680590233
16	-0.00000168139842861012	-0.00000038809790186875
17	0.000000161819978587494	0.000000785742645175272
18	0.000000404921725903928	0.000000127831814170359
19	-0.0000000380118003457888	-0.000000173302893036209
20	-0.000000103925437428368	-0.0000000353504707202498
21	0.00000000665478378971541	0.0000000380242982187097
22	0.0000000265839724081841	0.00000000869252853432989
23	-0.000000000586209041934478	-0.00000000859255253645699
24	-0.00000000697922706560812	-0.00000000210657735504582
25	-0.000000000258028963984652	0.00000000196362961260611
26	0.00000000167123486476081	0.000000000556100790267946
27	-0.000000000107601196070828	-0.000000000481539370530159
28	-0.000000000559781172606044	-0.000000000154431221423077
29	0.00000000050271079360629	0.000000000199966478471069
30	0.000000000614802136504572	0.0000000000395426174319311
31	-0.000000000586186394217721	0.0000000000214597713385345
32	-0.000000000236453015512698	-0.0000000000218331748324734
33	0.000000000236393159236572	0.0000000000192058401069698
34	-0.000000000663617953610015	0.00000000000830319002153811
35	-0.000000000517688538650757	0.0000000000257534057237842
36	-0.000000000720171476957653	0.0000000000169004598063399
37	-0.000000000625872151400682	-0.0000000000106937887480216
38	-0.0000000000334181224496477	-0.0000000000187996920527807
39	0.000000000496845473805758	0.0000000000877833451074057
40	0.000000000281592684377654	0.00000000000360859498297093

# 2027 Year Coefficient Tables for Computerized Celestial Position Calculations

Subsolar Lunar Latitude(Bs) , Longitude(Ls)

November 30 – December 32 a = 334 , b = 366

CN	Bs	Ls
N	°	°
0	-0.984145100848477	327.866492488118
1	0.357570961381462	-194.509014073345
2	0.0201209020896251	-0.0627819103034931
3	-0.0302138017834495	-0.0979410259383208
4	0.000680255604271353	0.0302717979854858
5	0.00827865047452671	0.0212349104088032
6	-0.000758833145906011	-0.00417775111533517
7	-0.0021123461747898	-0.00327778721849169
8	0.0003167611160379	0.000596769099770934
9	0.000552393181804558	0.000609791600621554
10	-0.0000778618569614476	-0.000163709057863023
11	-0.000134511816161479	-0.000121955976542257
12	0.0000193836966198205	0.0000513278072800444
13	0.0000328811559544535	0.0000262969481056066
14	-0.00000633698650172763	-0.0000151428339251787
15	-0.00000833545628698284	-0.00000609687528381483
16	0.00000227071954625568	0.00000432719257226415
17	0.00000219125837268372	0.00000140846608287061
18	-0.000000788975431376156	-0.00000122756773146976
19	-0.000000586997923058822	-0.000000310448734448548
20	0.000000264324854472619	0.000000349834105044136
21	0.000000156099532559743	0.0000000635674459412461
22	-0.0000000868304729332384	-0.000000100425536519737
23	-0.0000000403017880379184	-0.0000000115025311052863
24	0.0000000283400203775752	0.0000000289067948400945
25	0.0000000101242872551979	0.00000000172308501230484
26	-0.00000000918016836754305	-0.00000000831235801526687
27	-0.00000000302210605630052	-0.000000000103378443558894
28	0.00000000278736909416658	0.00000000237385850992154
29	0.00000000134567840839792	0.000000000820791610633237
30	-0.000000000518753806757393	-0.000000000645699780436821
31	-0.000000000866090760236664	-0.000000000406246399201884
32	-0.000000000334829275052236	0.000000000152449059326209
33	0.000000000929507777686871	-0.000000000315855663143549
34	0.000000000510951848468666	-0.000000000334738886399084
35	-0.00000000060731662771902	-0.000000000363340450839502
36	-0.000000000183084831212374	0.000000000155884638276364
37	-0.00000000034843159487915	0.000000000233800198023327
38	-0.000000000294047010775496	-0.00000000017613866950239
39	0.000000000925585210708532	0.000000000194146523923668
40	0.000000000612496773883227	0.000000000321597270812743