

DAILY POLYNOMIAL COEFFICIENTS FOR LUNAR COORDINATES

Notes and formulae

On the following pages, for each day of the year, the apparent right ascension (α) and declination (δ) of the Moon are represented by economised polynomials of the fifth degree, and the horizontal parallax (π) is represented by an economised polynomial of the fourth degree.

The formulae to be evaluated are of the form:

$$a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$$

where a_5 is zero for the parallax.

The time-interval from 0^h TT is expressed as a fraction of a day to form the interpolation factor p , where $0 \leq p < 1$, and the polynomial is evaluated directly, or by re-expressing it in the nested form:

$$((((a_5 p + a_4)p + a_3)p + a_2)p + a_1)p + a_0$$

to avoid the separate formation of the powers of p . Alternatively this nested form for α and δ may be written as:

$$b_{n+1} = b_n p + a_{5-n}, \text{ for } n = 1 \text{ to } 5,$$

where $b_1 = a_5$ and b_6 is the required value. For the parallax a_5 is zero, so that:

$$b_{n+1} = b_n p + a_{4-n}, \text{ for } n = 1 \text{ to } 4,$$

where $b_1 = a_4$ and b_5 is the required value.

The polynomial coefficients are expressed in decimals of a degree, even for α , and the signs are given on the right-hand sides of the coefficients to facilitate their use with small calculators. Subtract 360° from α if it exceeds 360° . In order to obtain the full precision of the polynomial ephemeris the interpolating factor p must be evaluated to 8 decimal places (10^{-3} s); estimates of the precision of unrounded interpolated values are:

RA	Dec	HP
$\pm 0^s 0003$	$\pm 0'' 003$	$\pm 0'' 0003$

Particular care must be taken to ensure that the coefficients are entered with the correct signs.

Example. To calculate the apparent right ascension (α) the declination (δ) and the horizontal parallax (π) for the Moon on 2019 January 21^d 13^h 23^m 48^s 32 UT1, using an assumed value of $\Delta T = 69^s$.

$$\text{TT} = 13^{\text{h}} 24^{\text{m}} 57^{\text{s}} 32, \text{ hence } p = 0.558\ 996\ 76$$

	right ascension	declination	horizontal parallax
b_1	$+0.000\ 9732$	$-0.000\ 6889$	$+0.000\ 036\ 45$
b_2	$+0.005\ 7827$	$+0.009\ 0946$	$-0.000\ 076\ 77$
b_3	$-0.077\ 5178$	$+0.027\ 4146$	$-0.002\ 779\ 64$
b_4	$-0.138\ 1460$	$-0.747\ 0038$	$+0.003\ 128\ 00$
b_5	$+16.088\ 8732$	$-2.015\ 3277$	$\pi = +1.022\ 502\ 40$
b_6	$\alpha = 128.599\ 5027$ $= 8^{\text{h}} 34^{\text{m}} 23^{\text{s}} 881$	$\delta = +19.594\ 0919$ $= +19^\circ 35' 38'' 73$	$= 1^\circ 01' 21'' 009$

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
	January 0			January 8		
a_0	209.0430 858+	6.2675 048-	0.9544 2879+	311.2251 248+	19.1807 700-	0.9011 3603+
a_1	12.4421 717+	4.6611 152-	0.0107 5016-	12.3796 759+	2.0649 550+	0.0020 5172-
a_2	210 072-	1958 544+	4 2913+	1927 306-	4083 770+	7 7605+
a_3	293 166+	322 441+	4236+	67 268-	210 701-	4774+
a_4	18 988-	9 796-	747-	32 479+	8 659-	108+
a_5	1 636-	379+		474-	1 414+	
	January 1			January 9		
a_0	221.4915 046+	10.7014 632-	0.9441 4264+	323.4085 438+	16.7292 326-	0.8999 0918+
a_1	12.4796 947+	4.1764 038-	0.0097 9473-	11.9867 882+	2.8157 415+	0.0003 5208-
a_2	539 121+	2870 886+	5 1239+	1939 029-	3413 867+	9 2522+
a_3	201 087+	286 589+	1246+	57 469+	231 576-	5213+
a_4	27 318-	7 883-	413-	29 730+	1 507-	58-
a_5	1 271-	424-		1 220-	749+	
	January 2			January 10		
a_0	234.0423 612+	14.5629 501-	0.9348 6863+	335.2100 269+	13.5953 379-	0.9005 3387+
a_1	12.6362 836+	3.5196 156-	0.0087 4911-	11.6275 047+	3.4288 126+	0.0016 5244+
a_2	965 716+	3679 101+	5 2591+	1600 479-	2717 580+	10 7757+
a_3	79 698+	250 439+	392-	164 175+	230 541-	4990+
a_4	34 015-	10 130-	106-	23 411+	2 220+	246-
a_5	267-	1 094-		1 215-	16+	
	January 3			January 11		
a_0	246.7797 580+	17.6907 342-	0.9266 4045+	346.6961 208+	9.9175 978-	0.9033 1132+
a_1	12.8395 988+	2.7132 629-	0.0077 1328-	11.3654 186+	3.9040 616+	0.0039 4746+
a_2	998 015+	4358 658+	5 0854+	979 642-	2039 432+	12 1186+
a_3	58 004-	198 883+	791-	245 833+	221 873-	4018+
a_4	35 596-	15 871-	136+	17 310+	2 251+	461-
a_5	1 525+	1 266-		916-	626-	
	January 4			January 12		
a_0	259.7099 509+	19.9499 568-	0.9194 2917+	357.9897 979+	5.8316 178-	0.9085 0621+
a_1	13.0083 270+	1.7888 473-	0.0067 1445-	11.2497 064+	4.2459 731+	0.0064 7328+
a_2	625 711+	4847 377+	4 9348+	147 423-	1381 055+	13 0394+
a_3	184 077-	123 053+	216-	306 007+	219 424-	2187+
a_4	27 753-	22 490-	293+	12 853+	933-	714-
a_5	3 398+	718-		743-	1 138-	
	January 5			January 13		
a_0	272.7600 057+	21.2440 820-	0.9132 0897+	9.2565 738+	1.4696 886-	0.9162 9816+
a_1	13.0688 446+	0.7918 101-	0.0057 2225-	11.3167 936+	4.4554 144+	0.0091 1823+
a_2	58 959-	5074 397+	5 0475+	840 328+	705 792+	13 2581+
a_3	260 703-	26 513+	983+	349 815+	234 733-	657-
a_4	10 082-	26 185-	356+	9 394+	6 712-	1007-
a_5	4 119+	343+		1 034-	1 482-	
	January 6			January 14		
a_0	285.7962 878+	21.5283 852-	0.9080 0486+	20.6932 177+	3.0320 122+	0.9267 2555+
a_1	12.9768 674+	0.2207 221+	0.0046 6900-	11.5930 428+	4.5227 272+	0.0117 0982+
a_2	860 281-	5000 285+	5 5554+	1935 848+	53 527-	12 4469+
a_3	260 401-	74 235-	2432+	376 413+	276 387-	4692-
a_4	11 140+	24 302-	334+	4 601+	14 327-	1316-
a_5	3 126+	1 323+		2 110-	1 480-	
	January 7			January 15		
a_0	298.6625 138+	20.8173 560-	0.9039 1906+	32.5177 357+	7.5201 674+	0.9396 1998+
a_1	12.7327 082+	1.1894 498+	0.0034 7158-	12.0939 193+	4.4226 362+	0.0140 0580+
a_2	1543 362-	4645 043+	6 4826+	3071 643+	983 510-	10 2428+
a_3	185 679-	157 991-	3786+	372 538+	348 020-	9997-
a_4	26 889+	17 391-	244+	5 589-	22 169-	1555-
a_5	1 181+	1 701+		4 146-	698-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
January 16			January 24			
a_0	44-9550 996+	11-8073 639+	0-9545 3454+	165-6872 440+	10-2581 608+	1-0104 3211+
a_1	12-8156 984+	4-1123 143+	0-0156 9219+	14-2705 887+	4-8492 278-	0-0105 9241-
a_2	4114 233+	2167 661-	6 3109+	3807 828-	2565 865-	18 1917-
a_3	307 417+	442 385-	1 6324-	161 708+	662 485+	2 5334+
a_4	26 540-	26 346-	1561-	52 965+	18 942-	245+
a_5	6 496-	1 497+		6 523-	2 314-	
January 17			January 25			
a_0	58-2096 593+	15-6561 888+	0-9706 7896+	179-5978 650+	5-2164 695+	0-9982 7632+
a_1	13-7169 063+	3-5362 813+	0-0164 0208+	13-5754 628+	5-1723 862-	0-0134 6099-
a_2	4812 021+	3637 983-	4908+	3070 151-	715 107-	10 4802-
a_3	136 401+	530 656-	2 2749-	309 571+	565 082+	2 6130+
a_4	60 813-	19 315-	1117-	20 279+	29 832-	920-
a_5	6 514-	5 239+		4 323-	281+	
January 18			January 26			
a_0	72-4146 749+	18-7741 986+	0-9868 9147+	192-8988 653+	0-0261 257+	0-9840 1941+
a_1	14-6926 558+	2-6443 853+	0-0157 7297+	13-0602 559+	5-1576 739-	0-0148 1004-
a_2	4790 761+	5293 317-	6 9717-	2062 941-	804 042+	3 2109-
a_3	168 319-	553 662-	2 7415-	348 445+	449 173+	2 2259+
a_4	96 460-	7 782+	70-	970-	27 864-	1477-
a_5	217-	8 628+		2 620-	1 298+	
January 19			January 27			
a_0	87-5599 072+	20-8355 271+	1-0016 9243+	205-7873 127+	5-0088 833-	0-9690 9609+
a_1	15-5616 323+	1-4270 489+	0-0135 5333+	12-7505 045+	4-8726 102-	0-0148 4360-
a_2	3704 815+	6820 955-	15 1911-	1049 581-	1997 405+	2 5785+
a_3	549 945-	436 920-	2 7787-	318 889+	350 666+	1 6223+
a_4	97 970-	53 501+	1459+	13 794-	21 050-	1533-
a_5	11 261+	7 575+		1 751-	1 223+	
January 20			January 28			
a_0	103-4283 557+	21-5428 961+	1-0134 6338+	218-4631 936+	9-6486 690-	0-9546 5724+
a_1	16-1040 604+	0-0430 380-	0-0097 3993+	12-6298 627+	4-3757 385-	0-0139 0258-
a_2	1580 485+	7734 706-	22 6067-	193 183-	2935 355+	6 5324+
a_3	826 122-	151 078-	2 1817-	246 500+	278 343+	1 0030+
a_4	36 721-	93 133+	2939+	22 518-	14 801-	1301-
a_5	16 943+	606+		1 266-	595+	
January 21			January 29			
a_0	119-6058 747+	20-7206 535+	1-0207 5386+	231-0960 096+	13-7044 582-	0-9414 9519+
a_1	16-1660 964+	1-5977 550-	0-0046 8181+	12-6555 369+	3-7107 883-	0-0123 4726-
a_2	948 138-	7623 284-	27 3672-	398 524+	3687 526+	8 7712+
a_3	807 503-	223 307+	9715-	144 179+	224 655+	4810+
a_4	52 387+	94 797+	3645+	29 034-	11 846-	958-
a_5	9 732+	6 889-		578-	167-	
January 22			January 30			
a_0	135-6026 190+	18-3916 915+	1-0226 3825+	243-8028 556+	17-0252 297-	0-9300 6357+
a_1	15-7600 265+	3-0209 481-	0-0009 3709-	12-7665 944+	2-9107 088-	0-0104 8704-
a_2	2959 153-	6453 846-	28 1090-	651 047+	4288 728+	9 6501+
a_3	506 939-	532 362+	5236+	22 987+	175 299+	984+
a_4	99 979+	57 769+	3179+	32 157-	12 835-	607-
a_5	1 554-	8 973-		667+	707-	
January 23			January 31			
a_0	151-0258 787+	14-7834 746+	1-0189 7439+	256-6337 044+	19-4908 900-	0-9205 4532+
a_1	15-0553 224+	4-1333 846-	0-0062 7455-	12-8911 725+	2-0058 610-	0-0085 5177-
a_2	3896 075-	4600 051-	24 6724-	533 738+	4730 513+	9 5908+
a_3	125 736-	675 235+	1 8139+	98 070-	116 869+	1429-
a_4	89 181+	11 698+	1812+	28 822-	16 607-	295-
a_5	6 941-	6 174-		2 246+	748-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
February 1			February 9			
a_0	269.5657 861+	21.0137 483-	0.9129 3540+	6.2644 056+	2.5920 522-	0.9091 3019+
a_1	12.9580 944+	1.0317 136-	0.0066 8825-	11.2115 689+	4.3958 363+	0.0060 4270+
a_2	89 112+	4973 977+	8 9934+	229 621+	745 630+	10 0323+
a_3	190 278-	43 256+	2589-	297 781+	243 797-	3110+
a_4	17 201-	20 534-	36-	10 338+	1 953-	339-
a_5	3 343+	238-		756-	914-	
February 2			February 10			
a_0	282.5123 781+	21.5458 158-	0.9071 2024+	17.5296 729+	1.8536 808+	0.9162 0383+
a_1	12.9136 245+	0.0322 731-	0.0049 6867-	11.3505 839+	4.4705 852+	0.0081 2892+
a_2	551 414-	4978 157+	8 2011+	1177 464+	6 627-	10 7526+
a_3	225 728-	40 823-	2714-	331 274+	260 868-	1770+
a_4	76+	21 742-	161+	6 801+	6 618-	640-
a_5	3 204+	536+		1 252-	1 134-	
February 3			February 11			
a_0	295.3486 165+	21.0864 760-	0.9029 4614+	29.0316 856+	6.2967 411+	0.9254 1930+
a_1	12.7372 543+	0.9426 834+	0.0034 0344-	11.6875 520+	4.3877 848+	0.0103 0693+
a_2	1196 058-	4730 620+	7 4874+	2199 619+	840 319-	10 8887+
a_3	194 109-	122 090-	2049-	345 266+	298 587-	782-
a_4	16 411+	18 909-	292+	849+	12 508-	982-
a_5	1 925+	1 130+		2 441-	981-	
February 4			February 12			
a_0	307.9486 877+	19.6847 175-	0.9002 7386+	40.9735 668+	10.5692 863+	0.9367 9746+
a_1	12.4473 355+	1.8451 818+	0.0019 5577-	12.2301 725+	4.1246 521+	0.0124 2193+
a_2	1660 674-	4262 223+	7 0494+	3216 120+	1821 001-	10 0541+
a_3	110 098-	186 342-	860-	323 213+	357 883-	4722-
a_4	25 956+	13 061-	351+	11 207-	17 826-	1327-
a_5	368+	1 271+		4 257-	61-	
February 5			February 13			
a_0	320.2215 784+	17.4331 265-	0.8990 1795+	53.5561 263+	14.4742 613+	0.9501 6431+
a_1	12.0927 364+	2.6371 348+	0.0005 5761-	12.9637 479+	3.6459 285+	0.0142 3798+
a_2	1831 596-	3637 562+	7 0018+	4075 869+	3002 294-	7 8336+
a_3	3 207-	226 031-	568+	235 062+	428 563-	1 0085-
a_4	27 503+	6 572-	338+	33 064-	18 664-	1578-
a_5	685-	994+		5 671-	2 059+	
February 6			February 14			
a_0	332.1335 163+	14.4553 964-	0.8991 6957+	66.9470 938+	17.7754 436+	0.9650 6903+
a_1	11.7361 134+	3.2947 056+	0.0008 7332+	13.8333 814+	2.9104 680+	0.0154 3898+
a_2	1683 085-	2929 983+	7 3724+	4525 696+	4379 401-	3 8624+
a_3	99 744+	242 665-	1941+	47 080+	480 870-	1 6519-
a_4	23 825+	1 557-	256+	63 273-	8 528-	1557-
a_5	1 036-	498+		4 117-	5 155+	
February 7			February 15			
a_0	343.7135 744+	10.8920 648-	0.9008 0210+	81.2310 138+	20.1995 471+	0.9807 1349+
a_1	11.4384 314+	3.8075 286+	0.0024 1628+	14.7252 850+	1.8894 952+	0.0156 5350+
a_2	1251 283-	2197 629+	8 1037+	4245 838+	5821 481-	2 0111-
a_3	184 731+	244 221-	2983+	243 299-	462 260-	2 2939-
a_4	18 534+	926+	111+	85 911-	18 263+	1039-
a_5	935-	38-		2 660+	7 305+	
February 8			February 16			
a_0	355.0471 104+	6.8891 066-	0.9040 5970+	96.3482 276+	21.4632 250+	0.9959 2611+
a_1	11.2505 404+	4.1741 391+	0.0041 3098+	15.4684 379+	0.5974 766+	0.0145 2144+
a_2	595 230-	1470 142+	9 0593+	3027 214+	7025 343-	9 4806-
a_3	249 627+	241 175-	3446+	555 562-	317 193-	2 7295-
a_4	13 890+	708+	88-	71 656-	56 789+	111+
a_5	739-	523-		11 298+	5 547+	

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 where p is the fraction of a day from 0^h TT.

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	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
February 17			February 25			
a_0	112-0577 949+	21-3326 817+	1-0092 2766+	227-1931 826+	12-6531 329-	0-9593 4625+
a_1	15-8842 004+	0-8772 670-	0-0118 1088+	13-0182 454+	4-0543 538-	0-0158 4942-
a_2	1044 176+	7580 565-	17 5530-	158 246-	3849 425+	5 2650+
a_3	728 245-	37 850-	2 6924-	147 881+	251 679+	1 6634+
a_4	10 966-	85 545+	1718+	24 835-	21 887-	1587-
a_5	13 063+	298-		523-	667+	
February 18			February 26			
a_0	127-9737 982+	19-7020 978+	1-0190 3120+	240-2078 558+	16-2994 983-	0-9441 7380+
a_1	15-8766 994+	2-3706 728-	0-0075 6139+	13-0207 665+	3-2173 870-	0-0143 6090-
a_2	1075 374-	7183 993-	24 5544-	131 142+	4479 802+	9 3105+
a_3	645 471-	298 138+	1 9879-	43 955+	170 533+	1 0237+
a_4	56 775+	82 935+	3185+	27 561-	18 596-	1339-
a_5	5 810+	5 973-		587+	197+	
February 19			February 27			
a_0	143-6846 715+	16-6505 357+	1-0239 7022+	253-2434 346+	19-0536 919-	0-9308 3293+
a_1	15-4935 887+	3-6878 444-	0-0021 8176+	13-0494 518+	2-2776 072-	0-0122 4527-
a_2	2613 235-	5851 962-	28 5893-	103 513+	4881 771+	11 5881+
a_3	364 974-	569 132+	6759-	59 718-	97 984+	4873+
a_4	84 466+	51 244+	3765+	24 593-	17 751-	1010-
a_5	2 517-	7 685-		1 819+	35-	
February 20			February 28			
a_0	158-8886 341+	12-4387 643+	1-0232 6310+	266-2949 886+	20-8351 022-	0-9197 8511+
a_1	14-8939 731+	4-6708 400-	0-0035 8806-	13-0433 126+	1-2789 757-	0-0098 2186-
a_2	3226 849-	3914 093-	28 3774-	204 960-	5068 849+	12 4536+
a_3	54 323-	698 289+	8674+	139 420-	26 696+	842+
a_4	69 704+	11 836+	3121+	15 208-	18 056-	693-
a_5	5 945-	5 806-		2 655+	82+	
February 21			March 1			
a_0	173-4608 660+	7-4469 469+	1-0169 5524+	279-3026 078+	21-6063 209-	0-9112 1011+
a_1	14-2572 161+	5-2423 370-	0-0088 7840-	12-9557 385+	0-2643 783-	0-0073 3357-
a_2	3031 185-	1806 272-	23 9482-	687 866-	5041 412+	12 2993+
a_3	165 294+	689 302+	2 1317+	173 739-	44 525-	1914-
a_4	38 995+	17 207-	1624+	1 532-	17 685-	417-
a_5	5 388-	2 766-		2 598+	413+	
February 22			March 2			
a_0	187-4348 538+	2-0909 156+	1-0059 1141+	292-1722 924+	21-3727 377-	0-9050 8317+
a_1	13-7134 735+	5-4050 637-	0-0129 6362-	12-7667 290+	0-7236 792+	0-0049 4779-
a_2	2355 214-	130 799+	16 6278-	1192 253-	4805 862+	11 4821+
a_3	268 350+	594 212+	2 7729+	154 393-	110 972-	3569-
a_4	12 024+	30 586-	27+	11 714+	15 560-	186-
a_5	3 699-	351-		1 695+	707+	
February 23			March 3			
a_0	200-9404 734+	3-2447 407-	0-9915 6255+	304-8056 977+	20-1810 548-	0-9012 4604+
a_1	13-3258 975+	5-2130 488-	0-0154 5635-	12-4874 922+	1-6456 898+	0-0027 6587-
a_2	1514 978-	1726 482+	8 3278-	1568 203-	4386 672+	10 3059+
a_3	280 253+	469 072+	2 7634+	91 267-	166 092-	4301-
a_4	6 252-	31 850-	1092-	20 167+	11 927-	7+
a_5	2 330-	858+		507+	791+	
February 24			March 4			
a_0	214-1420 402+	8-2413 332-	0-9755 3884+	317-1293 101+	18-1144 207-	0-8994 6782+
a_1	13-1033 130+	4-7393 414-	0-0163 3668-	12-1547 903+	2-4688 209+	0-0008 3343-
a_2	735 016-	2951 229+	7085-	1715 964-	3824 752+	9 0248+
a_3	232 499+	350 374+	2 3075+	6 050-	205 966-	4259-
a_4	17 791-	27 229-	1581-	22 508+	7 901-	164+
a_5	1 397-	1 043+		390-	659+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
March 5						
a_0	329.1141 109+	15.2844 454-	0.8994 9593+	63.2303 243+	17.1550 747+	0.9495 3142+
a_1	11.8185 905+	3.1691 502+	0.0008 5032+	13.3018 544+	3.0732 911+	0.0116 2127+
a_2	1602 989-	3166 039+	7 8488+	3753 164+	3987 616-	5 9979+
a_3	79 852+	231 129-	3588-	85 867+	408 382-	4821-
a_4	20 365+	4 580-	277+	42 842-	5 140-	1146-
a_5	786-	404+		3 248-	2 903+	
March 6						
a_0	340.7823 456+	11.8222 217-	0.9010 9801+	76.9114 729+	19.7885 423+	0.9616 9282+
a_1	11.5297 014+	3.7313 892+	0.0023 2351+	14.0594 908+	2.1526 508+	0.0126 3036+
a_2	1249 116-	2449 217+	6 9400+	3721 043+	5214 520-	3 8588+
a_3	153 434+	245 570-	2462-	115 895-	398 982-	9471-
a_4	16 332+	2 558-	333+	60 417-	9 706+	1319-
a_5	808-	119+		347+	4 564+	
March 7						
a_0	352.2040 311+	7.8707 117-	0.9040 9423+	91.3254 716+	21.3812 699+	0.9746 0115+
a_1	11.3320 373+	4.1465 979+	0.0036 5098+	14.7449 443+	0.9962 163+	0.0130 6514+
a_2	698 901-	1698 353+	6 4008+	3014 312+	6307 454-	2297+
a_3	210 737+	254 766-	1106-	350 879-	314 535-	1 4869-
a_4	12 292+	1 972-	319+	58 818-	33 492+	1204-
a_5	705-	152-		6 065+	4 587+	
March 8						
a_0	3.4884 107+	3.5799 675-	0.9083 7742+	106.3314 840+	21.7190 952+	0.9875 2854+
a_1	11.2600 425+	4.4089 738+	0.0049 1073+	15.2220 520+	0.3439 475-	0.0126 1678+
a_2	24+	920 705+	6 2574+	1669 714+	7004 104-	4 9354-
a_3	252 846+	264 305-	196+	523 677-	136 107-	1 9846-
a_4	8 852+	2 750-	225+	26 444-	57 351+	640-
a_5	711-	385-		9 370+	2 113+	
March 9						
a_0	14.7745 543+	0.8943 328+	0.9139 1809+	121.6664 323+	20.6670 730+	0.9994 4693+
a_1	11.3390 859+	4.5125 303+	0.0061 7711+	15.3929 964+	1.7616 075-	0.0110 0864+
a_2	804 583+	107 426+	6 4459+	34 054+	7047 184-	11 2404-
a_3	280 960+	279 246-	1123+	537 167-	112 325+	2 2546-
a_4	5 450+	4 728-	51+	22 713+	67 936+	416+
a_5	1 015-	536-		6 812+	1 600-	
March 10						
a_0	26.2226 381+	5.3891 546+	0.9207 5153+	137.0120 699+	18.2186 132+	1.0091 1024+
a_1	11.5859 621+	4.4480 823+	0.0075 0204+	15.2511 418+	3.1109 755-	0.0081 0080+
a_2	1670 038+	764 061-	6 8058+	1373 012-	6318 700-	17 7141-
a_3	292 178+	303 486-	1350+	381 474-	366 515+	2 0899-
a_4	561+	7 528-	197-	57 016+	59 191+	1738+
a_5	1 751-	485-		955+	4 307-	
March 11						
a_0	38.0047 029+	9.7296 809+	0.9289 4566+	152.0935 602+	14.5179 076+	1.0152 4803+
a_1	12.0069 711+	4.2009 712+	0.0088 9580+	14.8853 762+	4.2432 390-	0.0040 0064+
a_2	2532 447+	1724 570-	7 0828+	2165 968-	4907 192-	22 9079-
a_3	276 274+	338 167-	576+	146 347-	559 764+	1 3770-
a_4	8 094-	10 177-	504-	60 539+	36 884+	2816+
a_5	2 871-	15-		3 369-	5 043-	
March 12						
a_0	50.2914 496+	13.7233 591+	0.9385 5046+	166.7534 218+	9.8431 100+	1.0168 4834+
a_1	12.5916 686+	3.7505 297+	0.0103 0948+	14.4308 077+	5.0445 148-	0.0008 8122-
a_2	3283 954+	2800 335-	6 9428+	2275 630-	3057 085-	25 3402-
a_3	214 666+	378 367-	1438-	61 355+	657 307+	2197-
a_4	22 732-	10 558-	840-	42 596+	11 227+	3112+
a_5	3 825-	1 120+		4 603-	4 267-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
	March 21			March 29		
a_0	180.9666 013+	4.5593 134+	1.0134 4225+	288.5575 682+	21.7548 785-	0.9126 0398+
a_1	14.0088 257+	5.4563 808-	0.0058 9052-	12.9740 509+	0.4705 269+	0.0079 0672-
a_2	1882 081-	1060 491-	24 1518-	1506 392-	5020 829+	13 8390+
a_3	186 027+	660 390+	1 0526+	143 153-	128 749-	1044+
a_4	19 170+	10 238-	2461+	15 669+	13 872-	721-
a_5	3 995-	2 793-		1 304+	1 021+	
	March 22			March 30		
a_0	194.8073 391+	0.9383 807-	1.0052 6641+	301.3683 619+	20.7964 288-	0.9060 8440+
a_1	13.6938 894+	5.4758 521-	0.0103 0662-	12.6367 445+	1.4310 291+	0.0051 3644-
a_2	1248 935-	831 335+	19 5559-	1828 820-	4561 567+	13 7257+
a_3	223 381+	592 369+	2 0470+	68 141-	174 181-	1831-
a_4	839-	24 100-	1207+	22 071+	8 692-	520-
a_5	2 909-	1 297-		85+	758+	
	March 23			March 31		
a_0	208.3982 983+	6.2744 020-	0.9932 2096+	313.8176 260+	18.9274 544-	0.9022 9702+
a_1	13.5093 277+	5.1421 616-	0.0135 5549-	12.2594 088+	2.2879 901+	0.0024 6702-
a_2	612 921-	2450 902+	12 7305-	1899 992-	3994 458+	12 8700+
a_3	191 576+	483 619+	2 5220+	20 556+	201 582-	3902-
a_4	15 392-	30 366-	74-	22 268+	4 883-	346-
a_5	1 812-	225-		675-	379+	
	March 24			April 1		
a_0	221.8637 710+	11.1261 705-	0.9786 4387+	325.8912 505+	16.2606 272-	0.9010 7451+
a_1	13.4371 548+	4.5191 535-	0.0153 4804-	11.8941 467+	3.0246 430+	0.0000 2394-
a_2	148 681-	3717 346+	5 2366-	1711 492-	3364 200+	11 4965+
a_3	112 601+	360 230+	2 4765+	102 733+	217 527-	5285-
a_4	24 545-	31 296-	964-	18 712+	3 019-	188-
a_5	592-	315+		913-	24+	
	March 25			April 2		
a_0	235.2948 042+	15.2406 645-	0.9630 1017+	337.6263 013+	12.9216 164-	0.9021 4549+
a_1	13.4310 866+	3.6799 758-	0.0156 9105-	11.5896 968+	3.6310 289+	0.0021 0929+
a_2	35 924+	4613 423+	1 6021+	1300 157-	2693 738+	9 8030+
a_3	9 338+	238 326+	2 0763+	168 492+	229 505-	6036-
a_4	27 569-	29 645-	1360-	14 077+	2 949-	34-
a_5	853+	521+		838-	224-	
	March 26			April 3		
a_0	248.7277 453+	18.4383 779-	0.9476 7336+	349.1041 555+	9.0444 815-	0.9051 7438+
a_1	13.4304 732+	2.6973 912-	0.0148 0220-	11.3854 249+	4.0996 335+	0.0038 8745+
a_2	92 922-	5155 731+	7 0140+	718 598-	1985 287+	7 9765+
a_3	91 627-	125 041+	1 5230+	216 487+	243 608-	6168-
a_4	23 150-	27 063-	1381-	9 909+	4 115-	116+
a_5	2 217+	672+		711-	347-	
	March 27			April 4		
a_0	262.1376 704+	20.6103 310-	0.9337 1106+	0.4402 891+	4.7711 262-	0.9097 9895+
a_1	13.3762 499+	1.6392 217-	0.0129 9776-	11.3102 596+	4.4217 893+	0.0053 0234+
a_2	484 474-	5375 194+	10 7599+	16 775-	1226 300+	6 1994+
a_3	161 682-	23 631+	9668+	249 003+	263 544-	5695-
a_4	11 662-	23 719-	1201-	6 448+	5 893-	244+
a_5	2 878+	885+		730-	359-	
	March 28			April 5		
a_0	275.4484 262+	21.7119 537-	0.9218 7396+	11.7743 434+	0.2536 865-	0.9156 6672+
a_1	13.2276 240+	0.5661 387-	0.0106 0377-	11.3838 197+	4.5854 495+	0.0063 8114+
a_2	1010 655-	5312 629+	12 9475+	761 647+	396 710+	4 6399+
a_3	179 783-	62 303-	4860+	267 320+	290 649-	4698-
a_4	3 148+	19 240-	956-	2 935+	7 741-	325+
a_5	2 470+	1 053+		1 033-	259-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
	April 6			April 14		
a_0	23:2612 500+	4:3415 690+	0.9224 6813+	132:3614 554+	19:3337 821+	0.9907 4439+
a_1	11-6170 017+	4:5743 710+	0-0071 8122+	14-8328 213+	2-6561 798-	0-0076 1829+
a_2	1570 904+	524 288-	3 4259+	1204 716-	6220 322-	7 2398-
a_3	268 350+	324 046-	3367-	311 226-	271 513+	1 3402-
a_4	2 096-	9 123-	329+	48 943+	45 932+	209-
a_5	1 684-	8+		893+	2 510-	
	April 7			April 15		
a_0	35-0617 991+	8-8301 950+	0-9299 6157+	147-0476 661+	16-0870 636+	0-9975 0260+
a_1	12-0100 065+	4-3686 545+	0-0077 7858+	14-5185 300+	3-8016 727-	0-0057 5988+
a_2	2346 548+	1551 113-	2 6103+	1835 933-	5155 336-	11 3622-
a_3	242 640+	360 143-	2018-	108 521-	429 986+	1 4304-
a_4	10 496-	9 226-	234+	52 533+	33 054+	553+
a_5	2 551-	554+		2 573-	2 748-	
	April 8			April 16		
a_0	47-3294 197+	13-0068 567+	0-9379 8333+	161-3767 468+	11-8158 864+	1-0019 8874+
a_1	12-5466 335+	3-9469 768+	0-0082 4945+	14-1385 124+	4-6918 966-	0-0030 8042+
a_2	2985 932+	2681 379-	2 1390+	1872 143-	3694 548-	15 2962-
a_3	174 864+	390 969-	1054-	75 120+	534 833+	1 2070-
a_4	23 580-	6 610-	40+	38 865+	19 254+	1392+
a_5	3 079-	1 479+		3 835-	2 531-	
	April 9			April 17		
a_0	60-1894 668+	16-6460 855+	0-9464 3654+	175-3390 600+	6-8096 906+	1-0034 3276+
a_1	13-1853 087+	3-2915 069+	0-0086 4723+	13-8002 486+	5-2639 197-	0-0002 8517-
a_2	3338 133+	3879 160-	1 8383+	1451 986-	1999 827-	18 0638-
a_3	50 306+	401 957-	878-	192 282+	586 673+	6371-
a_4	39 806-	773+	229-	19 366+	6 627+	1988+
a_5	2 179-	2 643+		3 710-	2 308-	
	April 10			April 18		
a_0	73-7094 209+	19-5098 222+	0-9552 5652+	189-0149 038+	1-4048 874+	1-0012 9738+
a_1	13-8510 190+	2-3967 191+	0-0089 7937+	13-5734 282+	5-4863 860-	0-0040 0944-
a_2	3228 294+	5053 914-	1 4283+	796 050-	223 126-	18 7797-
a_3	128 865-	372 001-	1798-	232 962+	590 224+	1772+
a_4	51 622-	14 330+	521-	756+	4 928-	2069+
a_5	1 019+	3 427+		3 163-	2 106-	
	April 11			April 19		
a_0	87-8653 225+	21-3657 255+	0-9643 5553+	202-5317 825+	4-0454 922-	0-9954 4838+
a_1	14-4378 839+	1-2817 809+	0-0091 9024+	13-4828 286+	5-3569 681-	0-0076 2937-
a_2	2542 176+	6049 575-	5688+	124 270-	1496 906+	17 0212-
a_3	322 699-	280 694-	3915-	204 778+	549 620+	1 0205+
a_4	46 410-	32 106+	762-	15 158-	15 512-	1593+
a_5	5 403+	2 953+		2 458-	1 814-	
	April 12			April 20		
a_0	102-5210 535+	22-0179 853+	0-9735 5589+	216-0209 003+	9-1995 403-	0-9862 3486+
a_1	14-8336 493+	0-0019 742+	0-0091 5606+	13-5121 173+	4-8998 121-	0-0106 6373-
a_2	1349 881+	6669 431-	1 0653-	374 499+	3034 547+	13 0292-
a_3	453 105-	123 822-	7027-	120 251+	469 693+	1 6631+
a_4	17 785-	47 307+	853-	27 715-	24 647-	778+
a_5	7 576+	1 051+		1 301-	1 374-	
	April 13			April 21		
a_0	117-4433 595+	21-3454 699+	0-9825 2662+	229-5795 911+	13-7515 304-	0-9744 4229+
a_1	14-9643 655+	1-3496 134-	0-0086 9802+	13-6113 583+	4-1625 396-	0-0127 3953-
a_2	40 147-	6746 578-	3 6800-	555 914+	4281 994+	7 5984-
a_3	449 693-	74 637+	1 0535-	2 533-	357 740+	1 9701+
a_4	21 739+	52 387+	691-	34 496-	31 609-	50-
a_5	5 405+	1 190-		576+	739-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
April 22						
a_0	243.2428 955 +	17.4533 313 -	0.9611 3943 +	345.6492 439 +	10.4585 934 -	0.9053 1605 +
a_1	13.7082 732 +	3.2118 306 -	0.0136 7022 -	11.4048 933 +	3.9987 379 +	0.0032 0621 +
a_2	347 112 +	5158 160 +	1 7367 -	960 382 -	2216 796 +	12 0299 +
a_3	133 522 -	224 422 +	1 9409 +	248 324 +	224 625 -	6008 -
a_4	31 530 -	35 395 -	653 -	10 184 +	1 732 -	434 -
a_5	2 747 +	135 +		846 -	781 -	
April 23						
a_0	256.9696 494 +	20.1304 298 -	0.9474 8310 +	356.9838 651 +	6.2608 897 -	0.9096 6084 +
a_1	13.7264 019 +	2.1269 615 -	0.0134 6147 -	11.2909 646 +	4.3736 260 +	0.0054 1461 +
a_2	215 074 -	5620 408 +	3 6843 +	162 748 -	1524 706 +	9 9714 +
a_3	231 441 -	84 754 +	1 6705 +	280 643 +	239 397 -	7757 -
a_4	17 182 -	34 699 -	962 -	6 084 +	5 723 -	306 -
a_5	4 041 +	1 116 +		769 -	841 -	
April 24						
a_0	270.6500 857 +	21.6902 332 -	0.9345 4749 +	8.2871 507 +	1.7593 892 -	0.9159 9195 +
a_1	13.6091 021 +	0.9907 741 -	0.0122 6197 -	11.3446 566 +	4.6040 387 +	0.0071 6392 +
a_2	971 971 -	5677 671 +	8 1163 +	708 021 +	763 753 +	7 4661 +
a_3	260 024 -	42 472 -	1 2796 +	297 112 +	270 597 -	8999 -
a_4	3 762 +	28 919 -	1031 -	2 417 +	10 033 -	130 -
a_5	3 567 +	1 826 +		1 072 -	670 -	
April 25						
a_0	284.1367 213 +	22.1201 966 -	0.9232 1479 +	19.7324 552 +	2.8928 948 +	0.9238 1120 +
a_1	13.3399 870 +	0.1213 643 +	0.0102 9610 -	11.5758 247 +	4.6712 625 +	0.0083 8198 +
a_2	1693 756 -	5395 045 +	11 3385 +	1603 172 +	114 958 -	4 6954 +
a_3	210 332 -	139 824 -	8643 +	295 628 +	317 149 -	9529 -
a_4	21 900 +	19 514 -	961 -	2 761 -	13 529 -	91 +
a_5	1 745 +	1 929 +		1 826 -	194 -	
April 26						
a_0	297.2886 641 +	21.4750 688 -	0.9141 2936 +	31.4977 013 +	7.5195 741 +	0.9325 6833 +
a_1	12.9477 669 +	1.1515 841 +	0.0078 0755 -	11.9831 289 +	4.5476 182 +	0.0090 3883 +
a_2	2175 929 -	4877 802 +	13 3587 +	2455 236 +	1149 553 -	1 8983 +
a_3	106 358 -	198 865 -	4794 +	265 722 +	372 687 -	9160 -
a_4	30 406 +	9 686 -	839 -	11 848 -	14 690 -	322 +
a_5	144 -	1 447 +		2 887 -	698 +	
April 27						
a_0	310.0112 284 +	19.8564 148 -	0.9076 9723 +	43.7514 525 +	11.9135 691 +	0.9417 0861 +
a_1	12.4927 628 +	2.0643 336 +	0.0050 2554 -	12.5477 094 +	4.2003 759 +	0.0091 5656 +
a_2	2314 065 -	4237 572 +	14 2975 +	3152 389 +	2348 799 -	6513 -
a_3	13 206 +	223 563 -	1444 +	189 093 +	423 695 -	7847 -
a_4	29 286 +	2 413 -	718 -	26 668 -	11 357 -	503 +
a_5	1 207 -	697 +		3 580 -	2 037 +	
April 28						
a_0	322.2767 133 +	17.3908 518 -	0.9041 0871 +	56.6302 854 +	15.8357 637 +	0.9507 2659 +
a_1	12.0450 225 +	2.8441 617 +	0.0021 5142 -	13.2224 596 +	3.5999 852 +	0.0088 1100 +
a_2	2110 837 -	3559 368 +	14 3033 +	3523 716 +	3667 639 -	2 7019 -
a_3	118 158 +	226 649 -	1420 -	47 275 +	447 920 -	5792 -
a_4	22 972 +	1 010 +	617 -	45 599 -	1 079 -	570 +
a_5	1 403 -	5 -		2 527 -	3 501 +	
April 29						
a_0	334.1246 247 +	14.2133 179 -	0.9033 6725 +	70.2050 315 +	19.0244 352 +	0.9592 1518 +
a_1	11.6667 898 +	3.4884 410 +	0.0006 4196 +	13.9218 870 +	2.7334 012 +	0.0081 1969 +
a_2	1632 579 -	2885 410 +	13 5099 +	3366 518 +	4982 777 -	4 1000 -
a_3	196 153 +	222 957 -	3886 -	158 136 -	416 868 -	3462 -
a_4	15 865 +	889 +	529 -	59 372 -	17 001 +	487 +
a_5	1 146 -	506 -		1 388 +	4 164 +	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
May 8						
a_0	84.4419 583+	21.2199 884+	0.9668 9512+	197.9221 143+	2.0946 643-	0.9860 4420+
a_1	14.5247 008+	1.6206 663+	0.0072 1533+	13.1382 386+	5.3502 414-	0.0043 1537-
a_2	2549 794+	6089 610-	4 8531-	22 073-	726 908+	11 2314-
a_3	378 795-	307 917-	1477-	273 318+	507 599+	891-
a_4	52 186-	38 683+	269+	12 195-	3 792-	1066+
a_5	6 656+	2 970+		2 816-	1 255-	
May 9						
a_0	99.1792 060+	22.2050 672+	0.9736 1305+	211.0839 763+	7.3219 597-	0.9806 0744+
a_1	14.9034 769+	0.3273 240+	0.0062 1115+	13.2095 341+	5.0547 250-	0.0065 4569-
a_2	1167 154+	6751 511-	5 1439-	696 516+	2214 398+	10 8577-
a_3	519 748-	125 097-	395-	196 699+	479 578+	3464+
a_4	16 808-	53 907+	20-	26 510-	10 108-	1113+
a_5	8 888+	119+		2 299-	1 792-	
May 10						
a_0	114.1466 315+	21.8501 329+	0.9793 0566+	224.3799 510+	12.1084 772-	0.9730 2175+
a_1	14.9787 005+	1.0388 882-	0.0051 6972+	13.3960 953+	4.4729 117-	0.0085 6875-
a_2	403 788-	6802 250-	5 2823-	1104 488+	3574 527+	9 1575-
a_3	499 823-	90 224+	500-	68 532+	421 102+	7995+
a_4	29 510+	53 970+	281-	38 518-	19 286-	890+
a_5	5 780+	2 518-		832-	2 015-	
May 11						
a_0	129.0384 999+	20.1451 874+	0.9839 3934+	237.8894 133+	16.1839 562-	0.9636 2610+
a_1	14.7626 841+	2.3519 429-	0.0040 8698+	13.6217 326+	3.6403 971-	0.0101 2478-
a_2	1668 405-	6233 058-	5 6052-	1070 608+	4701 916+	6 2375-
a_3	327 012-	280 440+	1678-	92 336-	324 102+	1 1590+
a_4	58 338+	40 551+	417-	43 044-	29 712-	487+
a_5	392+	3 332-		1 822+	1 519-	
May 12						
a_0	143.6075 152+	17.2017 045+	0.9874 4485+	251.6048 510+	19.3248 746-	0.9529 9833+
a_1	14.3544 265+	3.4998 675-	0.0028 9888+	13.7918 498+	2.6154 262-	0.0110 0510-
a_2	2295 663-	5181 814-	6 3571-	553 609+	5480 718+	2 4819-
a_3	91 814-	409 738+	3415-	244 768-	190 821+	1 3529+
a_4	59 121+	23 487+	359-	33 556-	37 589-	45+
a_5	3 188-	2 561-		4 533+	196-	
May 13						
a_0	157.7287 873+	13.2267 220+	0.9896 7028+	265.4246 826+	21.3769 254-	0.9418 8078+
a_1	13.8898 029+	4.4051 935-	0.0015 1059+	13.8179 862+	1.4771 681-	0.0110 9384-
a_2	2248 387-	3837 276-	7 5891-	336 545-	5825 695+	1 5924+
a_3	112 221+	478 714+	4915-	333 205-	39 430+	1 3671+
a_4	42 306+	10 767+	93-	9 811-	38 512-	319-
a_5	4 094-	1 433-		5 350+	1 433+	
May 14						
a_0	171.4087 949+	8.4866 057+	0.9903 7187+	279.1752 478+	22.2712 888-	0.9310 7971+
a_1	13.4886 679+	5.0254 433-	0.0001 5846-	13.6494 644+	0.3148 871-	0.0103 7800-
a_2	1698 860-	2350 819-	9 1070-	1341 401-	5727 302+	5 4951+
a_3	240 727+	507 824+	5320-	319 927-	99 694-	1 2352+
a_4	21 605+	3 877+	323+	17 802+	30 949-	553-
a_5	3 662-	795-		3 602+	2 470+	
May 15						
a_0	184.7534 439+	3.2771 711+	0.9892 5274+	292.6607 198+	22.0262 631-	0.9213 6921+
a_1	13.2279 259+	5.3421 066-	0.0021 2652-	13.2941 248+	0.7895 203+	0.0089 3054-
a_2	883 652-	812 000-	10 4956-	2158 348-	5267 285+	8 8655+
a_3	290 834+	515 382+	4009-	214 299-	198 805-	1 0107+
a_4	3 389+	138+	763+	35 813+	18 173-	666-
a_5	3 126-	808-		769+	2 433+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
May 24						
a_0	305.7212 381+	20.7314 688-	0.9134 1963+	39.4176 541+	10.3538 561+	0.9412 1669+
a_1	12.8128 729+	1.7772 823+	0.0068 8087-	12.3543 395+	4.4001 273+	0.0113 6810+
a_2	2578 757-	4586 194+	11 4970+	3322 922+	1776 517-	2 3909+
a_3	64 536-	247 632-	7426+	269 548+	415 547-	1 4178-
a_4	39 102+	5 804-	699-	22 330-	20 107-	92-
a_5	1 275-	1 603+		4 483-	1 435+	
May 25						
a_0	318.2735 644+	18.5207 504-	0.9077 5573+	52.1285 594+	14.5329 098+	0.9526 8118+
a_1	12.2927 634+	2.6187 103+	0.0043 8665-	13.0886 151+	3.9128 370+	0.0114 1725+
a_2	2550 574-	3824 505+	13 3053+	3952 604+	3129 477-	1 9031-
a_3	78 733+	255 409-	4625+	135 426+	480 283-	1 4569-
a_4	32 213+	2 193+	699-	45 814-	13 096-	380+
a_5	1 923-	567+		4 554-	3 785+	
May 26						
a_0	330.3221 727+	15.5448 544-	0.9047 3888+	65.6209 407+	18.0838 397+	0.9637 6622+
a_1	11.8181 924+	3.3081 485+	0.0016 1477-	13.8991 656+	3.1395 128+	0.0106 1474+
a_2	2140 359-	3077 093+	14 2737+	4038 187+	4610 974-	6 0315-
a_3	188 499+	241 459-	1834+	91 194-	493 736-	1 3028-
a_4	22 371+	4 918+	699-	70 467-	6 382+	856+
a_5	1 649-	285-		842-	5 739+	
May 27						
a_0	341.9472 513+	11.9526 793-	0.9045 6283+	79.9076 746+	20.7140 935+	0.9736 5609+
a_1	11.4547 947+	3.8529 532+	0.0012 6703+	14.6508 452+	2.0746 185+	0.0090 5188+
a_2	1457 126-	2379 353+	14 4042+	3333 281+	5996 303-	9 4163-
a_3	261 788+	224 975-	957-	377 332-	411 148-	9529-
a_4	14 135+	3 379+	713-	75 400-	36 464+	1179+
a_5	1 125-	854-		6 539+	5 230+	
May 28						
a_0	353.2838 131+	7.8840 359-	0.9072 5359+	94.8472 286+	22.1521 363+	0.9816 8284+
a_1	11.2469 978+	4.2622 552+	0.0040 9065+	15.1774 167+	0.7692 097+	0.0069 2996+
a_2	598 181-	1716 145+	13 6888+	1814 625+	6958 506-	11 5663-
a_3	307 266+	220 189-	3810-	610 617-	215 158-	4711-
a_4	8 650+	985-	733-	40 262-	63 703+	1219+
a_5	796-	1 174-		11 858+	1 399+	
May 29						
a_0	4.5025 048+	3.4724 010-	0.9126 6769+	110.1422 058+	22.2104 898+	0.9874 2125+
a_1	11.2226 033+	4.5384 463+	0.0066 8478+	15.3469 781+	0.6608 632-	0.0045 2417+
a_2	367 591+	1037 911+	12 1062+	139 736-	7207 841-	12 2562-
a_3	333 839+	235 917-	6757-	654 471-	51 029+	251+
a_4	4 888+	6 961-	728-	22 362+	70 210+	959+
a_5	909-	1 258-		9 334+	3 254-	
May 30						
a_0	15.7956 491+	1.1454 228+	0.9204 8824+	125.4129 326+	20.8406 410+	0.9907 3189+
a_1	11.3977 734+	4.6718 402+	0.0088 7417+	15.1362 926+	2.0606 681-	0.0021 1883+
a_2	1389 391+	275 788+	9 6448+	1875 572-	6666 245-	11 6196-
a_3	343 886+	276 190-	9701-	475 892-	298 152+	4121+
a_4	614+	13 424-	649-	69 523+	52 498+	505+
a_5	1 625-	1 009-		1 784+	5 279-	
May 31						
a_0	27.3666 492+	5.8157 795+	0.9302 2338+	140.3212 094+	18.1478 855+	0.9917 3502+
a_1	11.7782 490+	4.6382 676+	0.0104 8610+	14.6471 053+	3.2861 106-	0.0000 6127-
a_2	2408 514+	643 459-	6 3512+	2868 521-	5509 723-	10 0949-
a_3	329 312+	339 496-	1 2346-	183 178-	455 908+	6119+
a_4	7 291-	18 757-	446-	76 711+	25 189+	30+
a_5	2 976-	198-		3 815-	4 232-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
June 9						
a_0	154.6704 344+	14.3584 891+	0.9907 2576+	260.7050 491+	20.8249 116-	0.9412 8014+
a_1	14.0472 230+	4.2433 206-	0.0018 9547-	13.7208 489+	1.8894 168-	0.0088 8477-
a_2	2996 147-	4033 186-	8 2514-	444 267+	5626 450+	4654-
a_3	84 654+	515 568+	6182+	309 120-	127 794+	6768+
a_4	56 183+	4 000+	312-	28 897-	36 715-	347+
a_5	5 192-	2 069-		5 550+	117-	
June 10						
a_0	168.4316 071+	9.7635 999+	0.9880 6385+	274.4370 780+	22.1425 872-	0.9324 1998+
a_1	13.4932 677+	4.8947 198-	0.0033 7282-	13.7081 825+	0.7405 309-	0.0087 6092-
a_2	2457 069-	2483 112-	6 5884-	600 792-	5788 393+	1 7674+
a_3	257 930+	511 834+	4862+	369 275-	19 227-	8169+
a_4	29 814+	5 964-	445-	107+	37 172-	156+
a_5	4 302-	422-		5 428+	1 659+	
June 11						
a_0	181.7075 123+	4.6711 137+	0.9840 7636+	288.0488 075+	22.3097 529-	0.9239 1904+
a_1	13.0890 091+	5.2403 880-	0.0045 6248-	13.4799 958+	0.3973 412+	0.0081 5614-
a_2	1547 385-	987 560-	5 3948-	1653 597-	5524 337+	4 3053+
a_3	334 781+	484 141+	3021+	316 031-	150 769-	8789+
a_4	8 480+	7 681-	372-	27 895+	28 396-	47-
a_5	3 225-	232+		2 810+	2 632+	
June 12						
a_0	194.6757 864+	0.6203 611-	0.9790 0089+	301.3349 109+	21.3776 314-	0.9162 8085+
a_1	12.8817 463+	5.2956 139-	0.0055 6568-	13.0670 265+	1.4469 348+	0.0070 3332-
a_2	524 379-	421 145+	4 7046-	2406 271-	4928 031+	6 9080+
a_3	336 748+	455 640+	1502+	178 052-	238 151-	8588+
a_4	7 403-	6 234-	152-	41 629+	14 804-	224-
a_5	2 726-	44+		172-	2 414+	
June 13						
a_0	207.5377 567+	5.8289 155-	0.9729 7824+	314.1476 507+	19.4629 476-	0.9100 2197+
a_1	12.8735 708+	5.0771 655-	0.0064 6764-	12.5489 201+	2.3563 803+	0.0054 0304-
a_2	414 182+	1751 119+	4 3369-	2692 475-	4148 923+	9 3457+
a_3	279 986+	430 724+	892+	14 221-	273 763-	7680+
a_4	21 033-	5 865-	122+	40 096+	2 572-	362-
a_5	2 565-	685-		1 818-	1 458+	
June 14						
a_0	220.4783 845+	10.6885 517-	0.9660 8705+	326.4297 289+	16.7191 628-	0.9056 2669+
a_1	13.0307 080+	4.6004 141-	0.0073 0338-	12.0212 874+	3.1037 347+	0.0033 1797-
a_2	1102 235+	3001 243+	3 9891-	2512 816-	3326 770+	11 4293+
a_3	170 590+	399 908+	1404+	127 839+	270 088-	6226+
a_4	34 242-	9 324-	357+	30 545+	4 663+	470-
a_5	1 941-	1 571-		2 021-	394+	
June 15						
a_0	233.6327 567+	14.9499 402-	0.9584 0237+	338.2153 711+	13.3092 540-	0.9035 0921+
a_1	13.2876 668+	3.8847 089-	0.0080 4479-	11.5682 843+	3.6901 239+	0.0008 6413-
a_2	1389 049+	4129 267+	3 3500-	1966 254-	2548 410+	13 0119+
a_3	15 325+	346 621+	2873+	230 096+	247 981-	4346+
a_4	44 564-	17 465-	482+	20 307+	6 516+	569-
a_5	25-	2 073-		1 505-	440-	
June 16						
a_0	247.0564 019+	18.3890 141-	0.9500 5613+	349.6119 197+	9.3884 796-	0.9039 8404+
a_1	13.5522 395+	2.9628 910-	0.0086 0928-	11.2514 329+	4.1277 974+	0.0018 4588+
a_2	1167 360+	5043 546+	2 1989-	1169 166-	1839 148+	13 9708+
a_3	161 426-	256 303+	4845+	296 592+	226 649-	2075+
a_4	44 915-	28 296-	473+	12 859+	4 215+	679-
a_5	3 057+	1 618-		941-	1 002-	
June 17						
a_0	260.7050 491+	20.8249 116-	0.9412 8014+	260.7050 491+	20.8249 116-	0.9412 8014+
a_1	13.7208 489+	1.8894 168-	0.0088 8477-	13.7208 489+	1.8894 168-	0.0088 8477-
a_2	444 267+	5626 450+	4654-	444 267+	5626 450+	4654-
a_3	309 120-	127 794+	6768+	309 120-	127 794+	6768+
a_4	28 897-	36 715-	347+	28 897-	36 715-	347+
a_5	5 550+	117-		5 550+	117-	
June 18						
a_0	274.4370 780+	22.1425 872-	0.9324 1998+	274.4370 780+	22.1425 872-	0.9324 1998+
a_1	13.7081 825+	0.7405 309-	0.0087 6092-	13.7081 825+	0.7405 309-	0.0087 6092-
a_2	600 792-	5788 393+	1 7674+	600 792-	5788 393+	1 7674+
a_3	369 275-	19 227-	8169+	369 275-	19 227-	8169+
a_4	107+	37 172-	156+	107+	37 172-	156+
a_5	5 428+	1 659+		5 428+	1 659+	
June 19						
a_0	288.0488 075+	22.3097 529-	0.9239 1904+	288.0488 075+	22.3097 529-	0.9239 1904+
a_1	13.4799 958+	0.3973 412+	0.0081 5614-	13.4799 958+	0.3973 412+	0.0081 5614-
a_2	1653 597-	5524 337+	4 3053+	1653 597-	5524 337+	4 3053+
a_3	316 031-	150 769-	8789+	316 031-	150 769-	8789+
a_4	27 895+	28 396-	47-	27 895+	28 396-	47-
a_5	2 810+	2 632+		2 810+	2 632+	
June 20						
a_0	301.3349 109+	21.3776 314-	0.9162 8085+	301.3349 109+	21.3776 314-	0.9162 8085+
a_1	13.0670 265+	1.4469 348+	0.0070 3332-	13.0670 265+	1.4469 348+	0.0070 3332-
a_2	2406 271-	4928 031+	6 9080+	2406 271-	4928 031+	6 9080+
a_3	178 052-	238 151-	8588+	178 052-	238 151-	8588+
a_4	41 629+	14 804-	224-	41 629+	14 804-	224-
a_5	172-	2 414+		172-	2 414+	
June 21						
a_0	314.1476 507+	19.4629 476-	0.9100 2197+	314.1476 507+	19.4629 476-	0.9100 2197+
a_1	12.5489 201+	2.3563 803+	0.0054 0304-	12.5489 201+	2.3563 803+	0.0054 0304-
a_2	2692 475-	4148 923+	9 3457+	2692 475-	4148 923+	9 3457+
a_3	14 221-	273 763-	7680+	14 221-	273 763-	7680+
a_4	40 096+	2 572-	362-	40 096+	2 572-	362-
a_5	1 818-	1 458+		1 818-	1 458+	
June 22						
a_0	326.4297 289+	16.7191 628-	0.9056 2669+	326.4297 289+	16.7191 628-	0.9056 2669+
a_1	12.0212 874+	3.1037 347+	0.0033 1797-	12.0212 874+	3.1037 347+	0.0033 1797-
a_2	2512 816-	3326 770+	11 4293+	2512 816-	3326 770+	11 4293+
a_3	127 839+	270 088-	6226+	127 839+	270 088-	6226+
a_4	30 545+	4 663+	470-	30 545+	4 663+	470-
a_5	2 021-	394+		2 021-	394+	
June 23						
a_0	338.2153 711+	13.3092 540-	0.9035 0921+	338.2153 711+	13.3092 540-	0.9035 0921+
a_1	11.5682 843+	3.6901 239+	0.0008 6413-	11.5682 843+	3.6901 239+	0.0008 6413-
a_2	1966 254-	2548 410+	13 0119+	1966 254-	2548 410+	13 0119+
a_3	230 096+	247 981-	4346+	230 096+	247 981-	4346+
a_4	20 307+	6 516+	569-	20 307+	6 516+	569-
a_5	1 505-	440-		1 505-	440-	
June 24						
a_0	349.6119 197+	9.3884 796-	0.9039 8404+	349.6119 197+	9.3884 796-	0.9039 8404+
a_1	11.2514 329+	4.1277 974+	0.0018 4588+	11.2514 329+	4.1277 974+	0.0018 4588+
a_2	1169 166-	1839 148+	13 9708+	1169 166-	1839 148+	13 9708+
a_3	296 592+	226 649-	2075+	296 592+	226 649-	2075+
a_4	12 859+	4 215+	679-	12 859+	4 215+	679-
a_5	941-	1 002-		941-	1 002-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
June 25						
a_0	0-7772 869+	5-0991 110-	0-9072 4095+	104-5686 947+	22-3738 940+	0-9954 7274+
a_1	11-1112 504+	4-4288 166+	0-0046 7511+	15-6540 104+	0-1195 336-	0-0082 8331+
a_2	211 623-	1174 454+	14 1816+	1156 304+	7533 927-	16 8307-
a_3	338 739+	220 017-	636-	759 955-	105 544-	1 1979-
a_4	8 344+	877-	810-	19 075-	82 760+	2073+
a_5	718-	1 350-		14 471+	580-	
June 26						
a_0	11-9020 115+	0-5750 733-	0-9133 1977+	120-2618 794+	21-4986 314+	1-0019 7391+
a_1	11-1735 255+	4-5966 768+	0-0074 5995+	15-6568 820+	1-6251 739-	0-0046 4080+
a_2	847 515+	495 632+	13 5005+	1092 863-	7359 996-	19 1792-
a_3	364 718+	237 089-	3879-	695 500-	216 669+	3490-
a_4	5 032+	7 734-	948-	56 345+	78 463+	2126+
a_5	1 076-	1 476-		7 265+	5 953-	
June 27						
a_0	23-1971 558+	4-0465 368+	0-9220 8150+	135-7462 862+	19-1663 757+	1-0046 8314+
a_1	11-4539 173+	4-6208 453+	0-0100 0575+	15-2558 198+	3-0037 651-	0-0007 8537+
a_2	1961 153+	276 832-	11 7649+	2768 817-	6299 020-	18 9664-
a_3	373 425+	282 618-	7695-	402 683-	470 410+	5171+
a_4	0-	15 339-	1049-	91 427+	46 802+	1608+
a_5	2 212-	1 206-		2 011-	6 870-	
June 28						
a_0	34-8843 096+	8-6097 826+	0-9331 7629+	150-6938 975+	15-5837 428+	1-0036 3965+
a_1	11-9570 669+	4-4739 564+	0-0120 8586+	14-6168 116+	4-1071 577-	0-0027 8845-
a_2	3059 336+	1228 836-	8 8275+	3448 771-	4675 786-	16 4764-
a_3	350 212+	355 403-	1 1948-	59 525-	590 240+	1 1650+
a_4	10 832-	21 786-	1030-	78 944+	11 726+	765+
a_5	4 113-	151-		6 124-	4 464-	
June 29						
a_0	47-1808 368+	12-9231 214+	0-9460 1512+	164-9671 615+	11-0687 566+	0-9993 2771+
a_1	12-6676 066+	4-1127 811+	0-0134 5169+	13-9377 158+	4-8627 816-	0-0057 0366-
a_2	4003 785+	2427 347-	4 6331+	3215 086-	2879 317-	12 5480-
a_3	264 798+	442 739-	1 6156-	195 162+	594 131+	1 4654+
a_4	31 848-	23 072-	783-	47 192+	10 334-	60-
a_5	5 868-	2 112+		5 716-	1 609-	
June 30						
a_0	60-2715 301+	16-7467 980+	0-9597 6074+	178-6070 325+	5-9762 622+	0-9925 1519+
a_1	13-5321 313+	3-4863 211+	0-0138 6225+	13-3692 679+	5-2653 414-	0-0077 7608-
a_2	4548 143+	3872 892-	6663-	2403 610-	1174 936-	8 2051-
a_3	79 399+	512 084-	1 9390-	327 704+	537 750+	1 4310+
a_4	63 032-	12 645-	232-	18 608+	17 848-	624-
a_5	4 865-	5 320+		4 042-	178+	
July 1						
a_0	74-2596 258+	19-7938 890+	0-9733 6015+	191-7701 665+	0-6454 352+	0-9840 5546+
a_1	14-4379 419+	2-5557 218+	0-0131 3798+	12-9922 810+	5-3460 530-	0-0090 1280-
a_2	4359 151+	5431 654-	6 5971-	1349 216-	333 073+	4 2936-
a_3	217 561-	508 302-	2 0382-	362 394+	468 481+	1 1713+
a_4	89 771-	15 044+	588+	1 266-	16 516-	856-
a_5	1 764+	7 460+		2 882-	745+	
July 2						
a_0	89-1029 260+	21-7578 656+	0-9856 4049+	204-6633 504+	4-6220 395-	0-9747 2187+
a_1	15-2094 876+	1-3266 455+	0-0112 3067+	12-8292 089+	5-1451 285-	0-0095 5440-
a_2	3185 552+	6791 395-	12 3315-	298 423-	1646 907+	1 2920-
a_3	553 673-	374 684-	1 7996-	328 784+	409 682+	8217+
a_4	80 454-	54 424+	1468+	15 472-	12 509-	813-
a_5	11 385+	5 484+		2 435-	420+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
July 11						
a_0	217-4938 047+	9-5627 180-	0-9651 1230+	322-7408 984+	17-6403 896-	0-9052 8539+
a_1	12-8607 536+	4-6976 371-	0-0095 9885-	12-1919 567+	2-8953 822+	0-0037 7592-
a_2	570 727+	2805 115+	6916+	2558 185-	3607 004+	7 7720+
a_3	242 763+	363 370+	4927+	45 175+	281 449-	5596+
a_4	27 776-	10 288-	602-	34 576+	210-	9+
a_5	2 101-	409-		1 811-	1 076+	
July 12						
a_0	230-4329 196+	13-9445 764-	0-9556 2586+	334-6848 305+	14-4123 653-	0-9023 4272+
a_1	13-0355 685+	4-0319 241-	0-0093 3681-	11-7067 971+	3-5328 013+	0-0020 5329-
a_2	1111 284+	3829 390+	1 8172+	2233 359-	2772 149+	9 4515+
a_3	111 300+	317 624+	2512+	165 428+	272 039-	5633+
a_4	38 746-	12 422-	322-	25 224+	5 114+	138-
a_5	1 012-	1 292-		1 678-	194+	
July 13						
a_0	243-5867 708+	17-5631 705-	0-9464 9267+	346-1871 892+	10-6290 223-	0-9012 8954+
a_1	13-2752 138+	3-1763 742-	0-0089 1089-	11-3190 051+	4-0077 609+	0-0000 0050+
a_2	1202 526+	4694 762+	2 3858+	1602 512-	1988 639+	11 0540+
a_3	52 467-	254 817+	1236+	249 846+	250 049-	5086+
a_4	44 263-	19 211-	53-	16 796+	5 994+	293-
a_5	1 307+	1 657-		1 147-	496-	
July 14						
a_0	256-9726 949+	20-2466 736-	0-9378 3220+	357-3724 925+	6-4468 525-	0-9024 4337+
a_1	13-4829 305+	2-1694 890-	0-0083 9876-	11-0796 017+	4-3326 231+	0-0023 5216+
a_2	792 645+	5327 313+	2 7311+	763 653-	1269 484+	12 3984+
a_3	214 884-	161 752+	1048+	305 801+	231 321-	3920+
a_4	37 560-	27 923-	154+	11 174+	3 440+	466-
a_5	4 076+	1 050-		722-	985-	
July 15						
a_0	270-5100 531+	21-8701 534-	0-9297 1856+	8-4073 543+	2-0101 675-	0-9060 6990+
a_1	13-5640 099+	1-0671 934-	0-0078 1495-	11-0227 202+	4-5180 070+	0-0049 3080+
a_2	36 464-	5634 503+	3 1413+	213 608+	586 307+	13 2886+
a_3	323 618-	40 370+	1692+	343 288+	227 594-	2067+
a_4	16 219-	33 367-	272+	7 775+	1 550-	666-
a_5	5 404+	376+		698-	1 308-	
July 16						
a_0	284-0369 733+	22-3731 587-	0-9222 3738+	19-4864 717+	2-5434 250+	0-9123 4357+
a_1	13-4558 448+	0-0586 609+	0-0071 2503-	11-1711 880+	4-5657 163+	0-0076 2389+
a_2	1050 449-	5559 204+	3 8130+	1283 179+	118 868-	13 5016+
a_3	335 143-	88 541-	2808+	367 044+	246 928-	589-
a_4	11 780+	31 269-	298+	4 584+	8 204-	900-
a_5	4 172+	1 775+		1 303-	1 418-	
July 17						
a_0	297-3558 541+	21-7703 809-	0-9155 2472+	30-8230 100+	7-0715 995+	0-9213 0272+
a_1	13-1520 070+	1-1323 200+	0-0062 6624-	11-5391 171+	4-4638 741+	0-0102 7052+
a_2	1943 449-	5123 777+	4 8328+	2398 830+	923 093-	12 7771+
a_3	247 849-	195 546-	4022+	371 516+	293 715-	4193-
a_4	32 834+	21 971-	247+	1 585-	15 552-	1147-
a_5	1 430+	2 330+		2 727-	1 083-	
July 18						
a_0	310-2921 576+	20-1472 019-	0-9097 8445+	42-6387 305+	11-4121 293+	0-9327 9755+
a_1	12-7028 082+	2-0907 877+	0-0051 6913-	12-1283 380+	4-1843 804+	0-0126 5425+
a_2	2475 765-	4428 657+	6 1843+	3476 615+	1908 444-	10 8249+
a_3	103 538-	260 343-	5022+	336 727+	366 012-	8815-
a_4	39 502+	10 012-	142+	15 102-	21 443-	1343-
a_5	874-	1 944+		4 803-	155+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
July 27			August 4			
a_0	55.1464 122+	15.3669 354+	0.9464 3271+	174.2091 286+	7.6404 602+	1.0100 6911+
a_1	12.9162 355+	3.6843 916+	0.0145 0099+	13.9761 833+	5.3496 728-	0.0076 2393-
a_2	4348 036+	3133 663-	7 3739+	2921 355-	1805 735-	18 5486-
a_3	227 580+	448 737-	1 4272-	238 260+	653 359+	1 9926+
a_4	39 930-	21 224-	1363-	36 059+	18 182-	609+
a_5	6 162-	2 727+		5 403-	1 615-	
July 28			August 5			
a_0	68.5156 000+	18.6912 372+	0.9615 1475+	187.9200 682+	2.1735 701+	1.0007 9565+
a_1	13.8350 667+	2.9159 153+	0.0154 9304+	13.4751 147+	5.5228 901-	0.0107 1159-
a_2	4729 245+	4579 947-	2 2853+	2044 223-	29 182+	12 2394-
a_3	7 753+	504 453-	1 9861-	329 427+	565 560+	2 2235+
a_4	73 019-	7 571-	1034-	9 199+	25 713-	488-
a_5	3 693-	6 116+		3 719-	231+	
July 29			August 6			
a_0	82.8166 953+	21.0985 670+	0.9770 2738+	201.2242 514+	3.2923 939-	0.9890 7759+
a_1	14.7521 972+	1.8486 213+	0.0153 1282+	13.1669 196+	5.3575 544-	0.0125 1202-
a_2	4277 172+	6077 366-	4 2684-	1037 899-	1573 966+	5 8813-
a_3	316 514-	472 691-	2 4157-	329 658+	465 375+	2 0122+
a_4	93 521-	24 439+	228-	9 120-	24 099-	1117-
a_5	4 648+	7 794+		2 656-	818+	
July 30			August 7			
a_0	97.9560 711+	22.2954 061+	0.9916 6951+	214.3191 693+	8.4483 423-	0.9761 6749+
a_1	15.4776 029+	0.5050 103+	0.0137 2524+	13.0532 622+	4.9123 795-	0.0131 2938-
a_2	2813 267+	7270 545-	11 6149-	130 194-	2833 719+	5207-
a_3	639 189-	298 754-	2 5164-	267 009+	376 988+	1 5527+
a_4	68 357-	65 578+	994+	22 351-	19 737-	1290-
a_5	13 598+	4 728+		2 024-	501+	
July 31			August 8			
a_0	113.6456 061+	22.0505 170+	1.0039 9156+	227.3836 754+	13.0415 746-	0.9631 2840+
a_1	15.8279 558+	1.0101 371-	0.0106 8713+	13.0973 747+	4.2401 842-	0.0128 1935-
a_2	622 242+	7725 985-	18 5289-	516 450+	3851 282+	3 3674+
a_3	776 761-	7 082+	2 1117-	157 901+	302 642+	1 0296+
a_4	4 485+	89 716+	2265+	32 725-	17 173-	1155-
a_5	13 368+	1 982-		1 131-	224-	
August 1			August 9			
a_0	129.4598 954+	20.2772 630+	1.0126 3728+	240.5450 996+	16.8681 061-	0.9507 3720+
a_1	15.7278 443+	2.5183 198-	0.0064 3855+	13.2343 816+	3.3861 172-	0.0118 8322-
a_2	1547 191-	7186 509-	23 4821-	782 446+	4653 902+	5 7718+
a_3	630 193-	343 290+	1 1807-	16 682+	231 373+	5649+
a_4	73 087+	78 096+	3024+	38 734-	18 459-	871-
a_5	4 199+	6 983-		570+	816-	
August 2			August 10			
a_0	144.9777 300+	17.0817 326+	1.0166 3979+	253.8555 776+	19.7676 233-	0.9394 7894+
a_1	15.2606 734+	3.8248 878-	0.0015 0903+	13.3806 695+	2.3937 165-	0.0105 9422-
a_2	2957 554-	5758 148-	25 2146-	605 789+	5229 061+	6 9540+
a_3	300 557-	585 623+	596+	131 277-	149 389+	2166+
a_4	91 998+	41 375+	2875+	35 903-	22 848-	547-
a_5	4 071-	7 279-		2 811+	801-	
August 3			August 11			
a_0	159.9213 851+	12.7430 018+	1.0156 6207+	267.2803 890+	21.6258 598-	0.9295 9631+
a_1	14.6137 564+	4.7879 170-	0.0034 0090-	13.4494 898+	1.3126 264-	0.0091 6033-
a_2	3348 261-	3825 903-	23 3404-	24 730+	5532 097+	7 2847+
a_3	25 216+	679 842+	1 2294+	245 915-	50 409+	10-
a_4	69 450+	4 388+	1905+	21 262-	27 095-	248-
a_5	6 534-	4 573-		4 353+	64-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
August 12						
a_0	280.7060 694+	22.3829 515-	0.9211 6187+	16.3679 783+	1.3833 620+	0.9056 4534+
a_1	13.3743 327+	0.2019 531-	0.0077 1361-	11.0315 034+	4.5497 392+	0.0049 8929+
a_2	796 936-	5520 117+	7 1404+	704 043+	43 194-	11 1566+
a_3	287 604-	58 025-	982-	326 782+	245 827-	3219+
a_4	1 333+	27 400-	4-	5 627+	2 998-	384-
a_5	4 044+	971+		842-	1 065-	
August 13						
a_0	293.9724 857+	22.0413 383-	0.9141 5244+	27.5030 426+	5.9037 928+	0.9117 7864+
a_1	13.1312 171+	0.8741 889+	0.0063 1514-	11.2721 751+	4.4656 206+	0.0073 0183+
a_2	1611 256-	5191 385+	6 8490+	1709 765+	809 334-	11 8836+
a_3	242 910-	157 522-	973-	340 382+	268 456-	1698+
a_4	21 952+	22 304-	171+	1 683+	8 460-	650-
a_5	2 135+	1 661+		1 669-	1 052-	
August 14						
a_0	306.9206 949+	20.6658 274-	0.9085 1418+	38.9802 338+	10.2606 832+	0.9202 7930+
a_1	12.7459 389+	1.8571 184+	0.0049 6768-	11.7160 798+	4.2193 077+	0.0097 0348+
a_2	2186 953-	4601 646+	6 6629+	2724 350+	1676 022-	11 9932+
a_3	134 962-	230 101-	264-	329 583+	312 508-	893-
a_4	32 421+	13 735-	272+	6 444-	13 997-	958-
a_5	14+	1 695+		3 127-	541-	
August 15						
a_0	319.4376 859+	18.3727 585-	0.9042 1287+	51.0007 498+	14.2796 840+	0.9311 6360+
a_1	12.2810 338+	2.7037 701+	0.0036 3213-	12.3556 817+	3.7844 831+	0.0120 3702+
a_2	2397 238-	3845 899+	6 7476+	3643 137+	2703 005-	11 1408+
a_3	5 863-	268 360-	845+	271 660+	373 091-	4732-
a_4	32 043+	5 125-	298+	22 269-	17 137-	1275-
a_5	1 231-	1 226+		4 705-	853+	
August 16						
a_0	331.4814 908+	15.3116 244-	0.9012 6694+	63.7452 138+	17.7549 291+	0.9442 5463+
a_1	11.8120 289+	3.3910 040+	0.0022 4531-	13.1545 474+	3.1255 292+	0.0140 7219+
a_2	2234 923-	3022 326+	7 1787+	4277 288+	3916 624-	8 9488+
a_3	109 846+	276 975-	2057+	135 615+	431 710-	9880-
a_4	25 559+	1 016+	258+	46 955-	13 229-	1516-
a_5	1 479-	581+		4 694-	3 288+	
August 17						
a_0	343.0834 199+	11.6459 257-	0.8997 6264+	77.3358 865+	20.4446 308+	0.9591 0775+
a_1	11.4074 821+	3.9130 728+	0.0007 3755-	14.0295 650+	2.2090 466+	0.0155 0488+
a_2	1766 844-	2203 301+	7 9473+	4355 171+	5258 201-	5 0759+
a_3	197 454+	267 445-	3103+	96 785-	450 298-	1 6052-
a_4	18 043+	3 879+	161+	72 403-	3 536+	1515-
a_5	1 175-	14-		648-	5 876+	
August 18						
a_0	354.3356 498+	7.5388 807-	0.8998 5245+	91.7839 849+	22.0837 689+	0.9749 4456+
a_1	11.1199 798+	4.2750 436+	0.0009 5145+	14.8422 870+	1.0266 702+	0.0159 7780+
a_2	1077 966-	1424 093+	8 9705+	3623 833+	6528 913-	6345-
a_3	258 101+	252 344-	3761+	388 538-	377 180-	2 2291-
a_4	12 207+	3 759+	20+	76 255-	34 309+	1062-
a_5	781-	487-		7 081+	6 328+	
August 19						
a_0	5.3747 857+	3.1463 350-	0.9017 3876+	106.9428 839+	22.4238 935+	0.9906 2539+
a_1	10.9863 092+	4.4854 186+	0.0028 5918+	15.4235 357+	0.3753 827-	0.0151 3958+
a_2	238 214-	684 736+	10 1050+	2071 886+	7391 106-	7 9265-
a_3	299 217+	242 387-	3852+	619 933-	178 586-	2 6731-
a_4	8 434+	1 276+	162-	38 122-	67 438+	14-
a_5	603-	842-		12 216+	2 954+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
August 28						
a_0	122.5090 243+	21.2985 807+	1.0047 0488+	236.8552 332+	16.0687 697-	0.9656 8389+
a_1	15.6427 886+	1.8787 335-	0.0127 5175+	13.5162 896+	3.7298 425-	0.0152 5889-
a_2	106 004+	7492 691-	15 9076-	340 135+	4841 341+	3 3224+
a_3	652 014-	117 663+	2 6871-	24 097+	246 262+	1 6466+
a_4	26 350+	82 234+	1495+	34 824-	26 898-	1518-
a_5	9 025+	2 447-		601+	94+	
August 29						
a_0	138.1007 494+	18.6903 232+	1.0156 1212+	250.4045 237+	19.2925 323-	0.9509 0672+
a_1	15.4834 288+	3.3103 067-	0.0088 2400+	13.5779 190+	2.6984 078-	0.0141 6118-
a_2	1601 647-	6670 952-	23 0276-	209 504+	5419 658+	7 3581+
a_3	460 813-	420 039+	2 0750-	108 080-	139 600+	1 0338+
a_4	71 755+	68 708+	2936+	31 760-	26 593-	1295-
a_5	1 046+	6 098-		2 545+	63+	
August 30						
a_0	153.3852 123+	14.7611 862+	1.0219 5522+	263.9896 636+	21.4376 674-	0.9375 7179+
a_1	15.0540 743+	4.4940 514-	0.0037 1359+	13.5759 655+	1.5832 016-	0.0124 3121-
a_2	2543 360-	5059 742-	27 4710-	279 773-	5679 506+	9 6927+
a_3	166 527-	633 669+	8662-	208 976-	34 075+	5146+
a_4	75 118+	36 978+	3599+	18 520-	26 427-	969-
a_5	4 505-	6 430-		3 776+	450+	
August 31						
a_0	168.1753 592+	9.8275 822+	1.0228 7107+	277.5152 798+	22.4521 087-	0.9261 5163+
a_1	14.5232 372+	5.3043 209-	0.0018 9633-	13.4517 976+	0.4474 235-	0.0103 7703-
a_2	2637 497-	3001 245-	27 9251-	979 966-	5627 666+	10 6656+
a_3	88 134+	718 326+	6097+	245 472-	66 821-	1280+
a_4	51 145+	4 303+	3111+	1 029+	24 163-	640-
a_5	5 692-	4 562-		3 465+	1 011+	
September 1						
a_0	182.4482 054+	4.2949 436+	1.0182 7429+	290.8449 830+	22.3457 628-	0.9168 4756+
a_1	14.0397 912+	5.6896 288-	0.0071 7393-	13.1843 050+	0.6489 043+	0.0082 3111-
a_2	2123 203-	866 053-	24 2710-	1675 513-	5292 361+	10 6746+
a_3	236 348+	691 278+	1 8718+	207 608-	153 170-	1265-
a_4	22 287+	18 428-	1752+	18 675+	18 950-	350-
a_5	4 657-	2 190-		1 870+	1 345+	
September 2						
a_0	196.3010 740+	1.4142 244-	1.0088 7794+	303.8430 303+	21.1847 000-	0.9096 6776+
a_1	13.6926 426+	5.6639 199-	0.0113 9657-	12.7953 227+	1.6545 176+	0.0061 4812-
a_2	1326 998-	1075 370+	17 6520-	2167 612-	4732 620+	10 0929+
a_3	279 675+	596 688+	2 5669+	115 225-	215 565-	2647-
a_4	911-	29 005-	212+	27 871+	12 066-	109-
a_5	3 351-	424-		90+	1 267+	
September 3						
a_0	209.8885 582+	6.9138 814-	0.9959 7497+	316.4128 655+	19.0795 569-	0.9045 0137+
a_1	13.5091 072+	5.2816 525-	0.0141 4851-	12.3384 252+	2.5321 786+	0.0042 1330-
a_2	526 936-	2687 224+	9 8593-	2345 209-	4026 206+	9 2393+
a_3	243 161+	476 894+	2 6334+	3 474-	251 373-	3066-
a_4	17 609-	30 731-	925-	27 965+	5 659-	80+
a_5	2 279-	361+		1 004-	895+	
September 4						
a_0	223.3672 990+	11.8821 591-	0.9810 9462+	328.5191 185+	16.1703 714-	0.9011 8214+
a_1	13.4684 866+	4.6132 516-	0.0153 6745-	11.8790 251+	3.2601 913+	0.0024 5421-
a_2	74 081+	3937 159+	2 5311-	2197 915-	3247 085+	8 3719+
a_3	150 641+	357 591+	2 2448+	98 180+	265 313-	2727-
a_4	29 156-	28 702-	1465-	22 668+	1 189-	217+
a_5	1 090-	362+		1 283-	449+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
September 13						
a_0	340-1903 086+	12-6120 770-	0-8995 4001+	73-2823 089+	19-9898 527+	0-9428 9122+
a_1	11-4773 218+	3-8297 627+	0-0008 5298-	13-4625 778+	2-4462 882+	0-0123 1660+
a_2	1780 216-	2448 494+	7 6861+	3788 914+	4767 600-	8 1840+
a_3	176 130+	265 805-	1841-	19 737-	388 392-	5202-
a_4	16 139+	1 017+	295+	51 439-	1 111+	1254-
a_5	1 079-	64+		1 315-	3 567+	
September 14						
a_0	351-5087 278+	8-5639 373-	0-8994 4017+	87-1165 289+	21-9210 096+	0-9559 6166+
a_1	11-1800 340+	4-2401 584+	0-0006 4082+	14-1932 116+	1-3784 797+	0-0137 4717+
a_2	1165 782-	1657 816+	7 3112+	3407 804+	5890 351-	5 8651+
a_3	230 070+	261 268-	640-	235 927-	347 771-	1 0278-
a_4	10 759+	1 302+	310+	58 789-	19 550+	1459-
a_5	766-	228-		3 475+	4 494+	
September 15						
a_0	2-5961 900+	4-1840 167-	0-9008 0880+	101-6213 968+	22-6780 814+	0-9701 7797+
a_1	11-0198 197+	4-4937 479+	0-0020 9625+	14-7822 210+	0-1061 435+	0-0145 5342+
a_2	418 660-	879 543+	7 3033+	2382 191+	6771 300-	1 9092+
a_3	265 546+	258 466-	620+	433 796-	225 238-	1 6240-
a_4	7 025+	135+	257+	40 346-	42 925+	1375-
a_5	595-	445-		8 042+	3 457+	
September 16						
a_0	13-6013 413+	0-3718 080+	0-9036 4416+	116-5952 269+	22-0892 093+	0-9847 4616+
a_1	11-0182 639+	4-5919 480+	0-0035 8582+	15-1164 030+	1-2967 926-	0-0143 9295+
a_2	414 200+	100 498+	7 6399+	919 483+	7154 828-	3 7699-
a_3	287 622+	262 462-	1670+	514 743-	20 564-	2 1922-
a_4	4 196+	2 128-	137+	2 199+	60 654+	806-
a_5	720-	590-		8 082+	639+	
September 17						
a_0	24-6901 351+	4-9472 878+	0-9080 1203+	131-7531 320+	20-0810 067+	0-9985 3485+
a_1	11-1887 083+	4-5321 627+	0-0051 6937+	15-1507 922+	2-7093 498-	0-0129 4900+
a_2	1295 067+	705 568-	8 2172+	530 562-	6846 254-	10 7945-
a_3	296 898+	276 877-	2238+	427 715-	226 756+	2 5314-
a_4	773+	5 155-	48-	43 789+	63 535+	333+
a_5	1 246-	601-		3 439+	2 307-	
September 18						
a_0	36-0379 926+	9-3806 302+	0-9140 2503+	146-8128 192+	16-7158 298+	1-0101 5461+
a_1	11-5364 762+	4-3056 235+	0-0068 7807+	14-9355 946+	3-9863 156-	0-0100 4398+
a_2	2177 960+	1573 167-	8 8523+	1516 679-	5807 933-	18 1432-
a_3	286 991+	303 347-	2066+	221 084-	456 810+	2 4018-
a_4	5 314-	8 320-	294-	60 306+	51 412+	1820+
a_5	2 183-	329-		1 697-	4 046-	
September 19						
a_0	47-8202 141+	13-4977 374+	0-9218 0604+	161-5804 985+	12-1991 385+	1-0181 6230+
a_1	12-0549 473+	3-8964 942+	0-0086 9876+	14-5892 045+	4-9923 179-	0-0057 6771+
a_2	2985 209+	2536 458-	9 2864+	1835 234-	4169 557-	24 2180-
a_3	243 321+	339 463-	906+	1 634+	621 743+	1 6549-
a_4	16 318-	10 216-	594-	50 654+	30 723+	3079+
a_5	3 228-	447+		4 307-	4 468-	
September 20						
a_0	60-1960 598+	17-1056 625+	0-9314 3656+	175-9909 778+	6-8546 647+	1-0213 7351+
a_1	12-7168 439+	3-2835 022+	0-0105 5946+	14-2407 561+	5-6296 505-	0-0005 5099+
a_2	3584 888+	3611 711-	9 1914+	1569 564-	2164 709-	27 3234-
a_3	145 688+	375 044-	1464-	160 969+	700 248+	3879-
a_4	33 095-	8 224-	930-	28 471+	8 084+	3467+
a_5	3 430-	1 858+		4 617-	3 959-	
September 21						
September 22						
September 23						
September 24						
September 25						
September 26						
September 27						
September 28						

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
September 29						
a_0	190-0932 599+	1-0789 806+	1-0191 8803+	300-5018 846+	21-8082 988-	0-9163 2759+
a_1	13-9842 150+	5-8512 625-	0-0048 9122-	13-0100 423+	1-4363 388+	0-0089 2358-
a_2	962 024-	55 071-	26 4286-	2505 850-	4967 854+	13 0041+
a_3	229 059+	693 603+	1 0308+	103 372-	234 715-	749+
a_4	5 199+	11 854-	2759+	32 068+	9 230-	685-
a_5	3 953-	2 897-		432-	1 395+	
September 30						
a_0	204-0043 031+	4-7099 038-	1-0117 8461+	313-2541 682+	19-8994 295-	0-9087 0507+
a_1	13-8606 321+	5-6603 844-	0-0097 5727-	12-4904 706+	2-3565 000+	0-0063 2768-
a_2	283 206-	1925 654+	21 7239-	2627 944-	4222 282+	12 8253+
a_3	210 906+	617 902+	2 1462+	19 992+	258 083-	1979-
a_4	14 696-	26 296-	1347+	29 465+	2 248-	443-
a_5	2 960-	1 712-		1 433-	697+	
October 1						
a_0	217-8559 396+	10-1187 332-	1-0000 8302+	325-4866 467+	17-1466 647-	0-9036 3569+
a_1	13-8599 061+	5-1012 560-	0-0134 0438-	11-9819 487+	3-1229 802+	0-0038 3972-
a_2	231 695+	3604 487+	14 5216-	2405 550-	3441 504+	11 9722+
a_3	123 398+	496 153+	2 6759+	123 458+	260 450-	3741-
a_4	29 777-	34 725-	94-	22 018+	1 158+	237-
a_5	1 471-	765-		1 518-	102+	
October 2						
a_0	231-7482 302+	14-8134 743-	0-9854 9312+	337-2424 362+	13-7054 533-	0-9009 5341+
a_1	13-9306 210+	4-2457 847-	0-0155 0979-	11-5459 246+	3-7336 593+	0-0015 6700-
a_2	408 480+	4876 949+	6 5809-	1918 260-	2668 101+	10 7130+
a_3	9 137-	350 013+	2 6199+	196 545+	255 024-	4683-
a_4	37 399-	38 494-	1077-	14 349+	1 574+	60-
a_5	749+	69-		1 167-	274-	
October 3						
a_0	245-7151 205+	18-5404 192-	0-9695 7645+	348-6175 075+	9-7303 563-	0-9004 1029+
a_1	13-9949 933+	3-1808 224-	0-0160 8319-	11-2263 924+	4-1912 643+	0-0004 3273+
a_2	164 188+	5695 325+	6190+	1254 198-	1909 715+	9 2770+
a_3	149 873-	195 749+	2 1721+	242 482+	251 579-	4915-
a_4	33 487-	38 882-	1494-	8 560+	132+	94+
a_5	3 160+	621+		791-	450-	
October 4						
a_0	259-7085 126+	21-1359 603-	0-9537 5744+	359-7435 052+	5-3733 102-	0-9017 2252+
a_1	13-9710 556+	1-9982 743-	0-0153 6758-	11-0513 263+	4-4975 616+	0-0021 4445+
a_2	454 648-	6055 488+	6 2387+	483 281-	1151 267+	7 8627+
a_3	251 512-	46 861+	1 5642+	268 918+	255 570-	4528-
a_4	16 949-	35 768-	1487-	4 715+	2 162-	218+
a_5	4 423+	1 378+		613-	485-	
October 5						
a_0	273-6076 996+	22-5274 386-	0-9391 5528+	10-7738 053+	0-7864 435-	0-9046 1014+
a_1	13-8001 034+	0-7867 360-	0-0137 1010-	11-0369 245+	4-6500 368+	0-0035 8988+
a_2	1266 532-	5995 265+	10 0457+	345 648+	366 729+	6 6378+
a_3	275 498-	82 132-	9651+	281 567+	269 030-	3637-
a_4	5 968+	28 707-	1260-	1 785+	4 627-	299+
a_5	3 670+	1 911+		742-	419-	
October 6						
a_0	287-2545 638+	22-7255 410-	0-9265 3366+	21-8735 556+	3-8728 586+	0-9088 3041+
a_1	13-4683 675+	0-3771 501+	0-0114 6184-	11-1908 666+	4-6406 136+	0-0048 2029+
a_2	2020 481-	5595 773+	12 1939+	1193 659+	472 322-	5 7266+
a_3	216 116-	177 850-	4605+	281 007+	291 620-	2417-
a_4	24 570+	18 908-	966-	1 783-	6 784-	317+
a_5	1 561+	1 905+		1 222-	235-	

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 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
October 15						
a_0	33:2115 883+	8:4363 760+	0:9142 0236+	141:7632 224+	18:2210 748+	0:9898 7108+
a_1	11:5125 755+	4:4558 323+	0:0059 0577+	14:5103 913+	3:4864 351-	0:0105 9785+
a_2	2013 772+	1390 255-	5 1894+	1274 162-	5856 633-	6 3247-
a_3	261 213+	320 881-	1123-	173 312-	330 732+	1 7673-
a_4	7 816-	8 067-	254+	52 427+	40 308+	408-
a_5	1 991-	151+		1 113-	1 898-	
October 16						
a_0	44:9506 817+	12:7203 032+	0:9206 1837+	156:1339 976+	14:1858 907+	0:9996 5566+
a_1	11:9895 713+	4:0783 665+	0:0069 2013+	14:2239 767+	4:5433 679-	0:0087 8633+
a_2	2730 585+	2399 813-	5 0002+	1490 788-	4641 573-	11 8415-
a_3	209 645+	351 232-	78-	23 933+	472 911+	1 9413-
a_4	17 924-	7 458-	104+	46 043+	30 774+	564+
a_5	2 703-	852+		3 378-	1 997-	
October 17						
a_0	57:2322 133+	16:5229 045+	0:9280 3878+	170:2155 553+	9:2285 343+	1:0070 6935+
a_1	12:5900 614+	3:4904 781+	0:0079 2201+	13:9497 263+	5:3184 984-	0:0058 5819+
a_2	3224 868+	3489 753-	5 0320+	1176 576-	3058 150-	17 2923-
a_3	111 053+	371 963-	363+	173 925+	575 905+	1 7146-
a_4	32 019-	3 291-	128-	28 699+	20 901+	1700+
a_5	2 532-	1 867+		4 023-	2 220-	
October 18						
a_0	70:1524 118+	19:6270 686+	0:9364 6634+	184:0674 841+	3:6636 796+	1:0110 4386+
a_1	13:2542 800+	2:6805 566+	0:0089 3419+	13:7760 566+	5:7501 068-	0:0019 5344+
a_2	3340 465+	4606 701-	5 0549+	522 856-	1227 219-	21 3902-
a_3	41 131-	365 907-	134-	248 485+	637 065+	1 0176-
a_4	45 583-	6 186+	423-	8 470+	9 845+	2551+
a_5	461-	2 848+		4 013-	2 659-	
October 19						
a_0	83:7320 206+	21:8112 678+	0:9459 0045+	197:8165 493+	2:1447 241-	1:0107 8204+
a_1	13:8915 740+	1:6533 428+	0:0099 2424+	13:7474 130+	5:8018 230-	0:0025 2767-
a_2	2938 898+	5638 759-	4 7513+	233 274+	716 442+	22 9077-
a_3	225 874-	312 571-	1826-	242 400+	649 654+	294+
a_4	48 310-	20 893+	741-	11 728-	3 555-	2699+
a_5	3 422+	3 068+		3 760-	3 018-	
October 20						
a_0	97:8904 083+	22:8718 737+	0:9562 7415+	211:6099 807+	7:8105 948-	1:0059 9353+
a_1	14:3939 824+	0:4417 097+	0:0107 9008+	13:8602 174+	5:4665 694-	0:0069 9231-
a_2	2005 779+	6420 359-	3 7506+	852 433+	2613 862+	21 2195-
a_3	383 047-	198 925-	4817-	158 469+	605 283+	1 1310+
a_4	30 253-	36 743+	1015-	30 995-	18 860-	2061+
a_5	6 724+	2 007+		2 796-	2 976-	
October 21						
a_0	112:4443 110+	22:6555 301+	0:9673 8097+	225:5679 091+	12:9574 333-	0:9970 1296+
a_1	14:6714 844+	0:8863 407-	0:0113 5505+	14:0644 511+	4:7712 433-	0:0108 1444-
a_2	742 604+	6776 588-	1 6928+	1113 804+	4286 746+	16 6238-
a_3	436 951-	32 928-	8946-	7 954+	500 479+	1 9625+
a_4	5 084+	46 867+	1140-	45 668-	34 041-	956+
a_5	6 499+	153+		339-	2 300-	
October 22						
a_0	127:1475 190+	21:0929 399+	0:9788 0445+	239:7399 352+	17:2535 882-	0:9847 4194+
a_1	14:6941 991+	2:2327 148-	0:0113 7958+	14:2711 652+	3:7785 153-	0:0135 1226-
a_2	472 630-	6592 684-	1 6697-	860 235+	5560 888+	10 1964-
a_3	353 643-	155 225+	1 3621-	176 014-	342 158+	2 3378+
a_4	38 425+	47 286+	978-	47 558-	45 858-	138-
a_5	2 891+	1 329-		3 357+	842-	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
October 31						
a_0	254.0751 024+	20.4464 689-	0.9704 4244+	356.5610 809+	6.8257 628-	0.9027 3700+
a_1	14.3730 663+	2.5824 524-	0.0148 5577-	11.0590 959+	4.4546 069+	0.0015 5997+
a_2	80 553+	6303 782+	3 2890-	724 359-	1395 059+	11 6425+
a_3	331 115-	151 448+	2 2692+	305 320+	236 943-	5905-
a_4	29 823-	50 145-	891-	4 075+	927-	284-
a_5	6 146+	1 154+		665-	942-	
November 1						
a_0	268.4207 449+	22.3882 975-	0.9554 7578+	7.5786 139+	2.2555 313-	0.9053 9934+
a_1	14.2809 858+	1.2957 412-	0.0148 6851-	11.0071 174+	4.6616 941+	0.0036 9999+
a_2	1030 059-	6468 840+	2 9732+	209 427+	669 237+	9 7058+
a_3	389 167-	36 657-	1 9004+	314 917+	250 000-	7045-
a_4	2 367+	44 020-	1229-	931+	5 715-	132-
a_5	5 749+	2 809+		754-	820-	
November 2						
a_0	282.5606 198+	23.0449 416-	0.9410 8234+	18.6381 834+	2.4474 330+	0.9099 9813+
a_1	13.9620 420+	0.0291 735-	0.0137 5296-	11.1434 726+	4.7178 456+	0.0054 2450+
a_2	2125 774-	6122 917+	7 9359+	1152 248+	123 274-	7 5183+
a_3	323 966-	184 391-	1 4009+	310 782+	280 864-	7578-
a_4	31 740+	29 408-	1253-	2 657-	9 920-	38+
a_5	2 609+	3 254+		1 299-	481-	
November 3						
a_0	296.2811 228+	22.4828 779-	0.9282 5054+	29.9275 635+	7.1238 247+	0.9160 9906+
a_1	13.4536 943+	1.1299 557+	0.0117 9563-	11.4654 436+	4.6047 238+	0.0067 0234+
a_2	2881 207-	5425 891+	11 3913+	2055 679+	1030 217-	5 2731+
a_3	172 771-	269 906-	8965+	286 635+	324 972-	7422-
a_4	44 320+	12 768-	1108-	9 043-	12 472-	213+
a_5	652-	2 492+		2 224-	167+	
November 4						
a_0	309.4337 861+	20.8383 513-	0.9176 7262+	41.6261 117+	11.5917 990+	0.9232 5661+
a_1	12.8430 219+	2.1302 995+	0.0092 9272-	11.9578 395+	4.2962 846+	0.0075 4281+
a_2	3140 227-	4564 491+	13 4223+	2839 058+	2078 319-	3 1786+
a_3	2 947-	296 772-	4529+	227 726+	372 581-	6554-
a_4	40 294+	269-	910-	20 335-	11 801-	358+
a_5	2 252-	1 238+		3 116-	1 212+	
November 5						
a_0	321.9662 949+	18.2811 830-	0.9097 5832+	53.8882 845+	15.6419 348+	0.9310 5531+
a_1	12.2290 841+	2.9546 762+	0.0065 0878-	12.5842 771+	3.7647 337+	0.0079 9621+
a_2	2929 887-	3684 918+	14 2409+	3368 960+	3254 754-	1 4290+
a_3	135 668+	286 103-	897+	115 359+	406 900-	5093-
a_4	28 572+	5 774+	721-	36 632-	5 786-	429+
a_5	2 288-	146+		2 947-	2 548+	
November 6						
a_0	333.9185 855+	14.9860 333-	0.9046 7539+	66.8170 355+	19.0401 793+	0.9391 4778+
a_1	11.6940 928+	3.6082 105+	0.0036 6254-	13.2765 532+	2.9906 735+	0.0081 4639+
a_2	2374 345-	2862 686+	14 0822+	3465 608+	4484 649-	1570+
a_3	227 437+	261 952-	1979-	59 168-	403 982-	3339-
a_4	17 025+	6 336+	561-	52 493-	7 258+	388+
a_5	1 642-	542-		422-	3 598+	
November 7						
a_0	345.3995 258+	11.1171 700-	0.9023 9567+	80.4289 411+	21.5430 753+	0.9472 8035+
a_1	11.2934 448+	4.1044 251+	0.0009 2791-	13.9307 212+	1.9772 509+	0.0080 9315+
a_2	1606 290-	2109 408+	13 1563+	2968 856+	5616 966-	6170-
a_3	279 487+	242 221-	4219-	270 697-	339 114-	1749-
a_4	8 902+	3 502+	421-	55 065-	25 947+	225+
a_5	997-	869-		4 293+	3 378+	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
November 16			November 24			
a_0	94.6244 010 +	22.9276 508 +	0.9552 9655 +	206.2605 120 +	5.5759 869 -	0.9958 9999 +
a_1	14.4234 078 +	0.7641 892 +	0.0079 2630 +	13.4240 463 +	5.5402 025 -	0.0020 0275 -
a_2	1869 490 +	6444 760 -	1 0146 -	1108 339 +	1573 629 +	15 2788 -
a_3	445 948 -	202 651 -	824 -	260 609 +	571 271 +	4280 -
a_4	32 305 -	43 435 +	35 -	24 438 -	235 +	1620 +
a_5	8 037 +	1 437 +		3 874 -	2 500 -	
November 17			November 25			
a_0	109.1877 361 +	23.0315 861 +	0.9631 1280 +	219.8186 219 +	10.9019 259 -	0.9923 4276 +
a_1	14.6546 169 +	0.5674 683 -	0.0076 9727 +	13.7121 860 +	5.0552 524 -	0.0051 2203 -
a_2	418 487 +	6777 749 -	1 2920 -	1704 678 +	3263 816 +	15 5883 -
a_3	495 224 -	15 994 -	964 -	124 827 +	546 667 +	2350 +
a_4	9 970 +	50 494 +	334 -	44 629 -	12 511 -	1700 +
a_5	7 266 +	1 143 -		2 717 -	3 472 -	
November 18			November 26			
a_0	123.8364 030 +	21.7896 786 +	0.9706 6789 +	233.7090 238 +	15.5777 283 -	0.9857 0239 +
a_1	14.5973 633 +	1.9081 920 -	0.0073 9659 +	14.0713 637 +	4.2452 296 -	0.0081 0114 -
a_2	934 588 -	6534 301 -	1 7892 -	1784 066 +	4793 936 +	13 8745 -
a_3	385 216 -	173 715 +	2329 -	78 793 -	461 983 +	9276 +
a_4	47 074 +	44 073 +	586 -	59 238 -	30 497 -	1336 +
a_5	2 724 +	2 599 -		864 +	3 364 -	
November 19			November 27			
a_0	138.3067 655 +	19.2495 754 +	0.9778 5641 +	247.9450 774 +	19.3007 521 -	0.9763 1991 +
a_1	14.3150 672 +	3.1466 076 -	0.0069 4541 +	14.3812 814 +	3.1617 259 -	0.0105 4431 -
a_2	1780 667 -	5774 787 -	2 8427 -	1200 913 +	5963 166 +	10 3101 -
a_3	172 182 -	324 123 +	4734 -	304 310 -	307 422 +	1 4671 +
a_4	59 921 +	30 511 +	695 -	54 834 -	48 026 -	689 +
a_5	1 656 -	2 378 -		5 836 +	1 521 -	
November 20			November 28			
a_0	152.4323 743 +	15.5607 147 +	0.9844 6327 +	262.4111 193 +	21.8403 739 -	0.9648 9818 +
a_1	13.9304 171 +	4.1933 117 -	0.0062 0702 +	14.5111 580 +	1.8968 336 -	0.0121 3864 -
a_2	1954 393 -	4643 146 -	4 6760 -	17 595 +	6582 049 +	5 5162 -
a_3	49 758 +	422 957 +	7600 -	463 868 -	101 806 +	1 7402 +
a_4	50 646 +	18 539 +	573 -	23 856 -	55 766 -	9 +
a_5	3 647 -	1 351 -		8 401 +	1 472 +	
November 21			November 29			
a_0	166.1770 278 +	10.9471 029 +	0.9901 2096 +	276.8761 046 +	23.0742 515 -	0.9523 8202 +
a_1	13.5729 008 +	4.9883 129 -	0.0050 2084 +	14.3701 724 +	0.5714 501 -	0.0127 1952 -
a_2	1537 770 -	3276 517 -	7 2876 -	1432 865 -	6567 684 +	3065 -
a_3	215 720 +	484 036 +	9981 -	476 565 -	105 243 -	1 7368 +
a_4	31 989 +	12 037 +	176 -	19 995 +	47 734 -	512 -
a_5	3 850 -	583 -		6 080 +	3 761 +	
November 22			November 30			
a_0	179.6205 374 +	5.6806 872 +	0.9943 1147 +	291.0579 414 +	23.0038 548 -	0.9398 0040 +
a_1	13.3409 333 +	5.4938 823 -	0.0032 5682 +	13.9516 626 +	0.6933 010 +	0.0122 8032 -
a_2	737 173 -	1757 967 -	10 3682 -	2681 765 -	6003 285 +	4 5873 +
a_3	305 266 +	526 358 +	1 0738 -	338 514 -	258 399 -	1 5247 +
a_4	12 794 +	9 460 +	450 +	50 536 +	28 075 -	804 -
a_5	3 657 -	580 -		1 207 +	4 029 +	
November 23			December 1			
a_0	192.9191 938 +	0.0645 320 +	0.9964 2860 +	304.7127 505 +	21.7384 697 -	0.9281 2324 +
a_1	13.2883 673 +	5.6840 752 -	0.0008 7907 +	13.3345 693 +	1.8072 213 +	0.0109 3765 -
a_2	218 834 +	127 895 -	13 2984 -	3382 174 -	5099 983 +	8 6757 +
a_3	319 806 +	557 969 +	8917 -	126 324 -	331 149 -	1 1978 +
a_4	5 355 -	6 818 +	1133 +	55 513 +	7 539 -	900 -
a_5	3 775 -	1 330 -		2 309 -	2 708 +	

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
December 2			December 10			
a_0	317.7017 905 +	19.4548 481 -	0.9181 6394 +	49.6654 625 +	14.2854 915 +	0.9320 7516 +
a_1	12.6412 872 +	2.7262 097 +	0.0088 7920 -	12.4164 015 +	4.0245 439 +	0.0099 6025 +
a_2	3451 289 -	4088 372 +	11 7295 +	3649 195 +	2746 126 -	3 4279 +
a_3	72 085 +	335 182 -	8351 +	202 398 +	418 338 -	1 2197 -
a_4	43 035 +	5 930 +	877 -	34 499 -	15 699 -	28 +
a_5	3 210 -	1 034 +		4 446 -	2 382 +	
December 3			December 11			
a_0	330.0091 398 +	16.3526 231 -	0.9105 3243 +	62.4631 288 +	17.9922 573 +	0.9422 5652 +
a_1	11.9882 646 +	3.4462 169 +	0.0063 1787 -	13.1909 397 +	3.3447 313 +	0.0102 8105 +
a_2	3008 976 -	3128 710 +	13 7106 +	4004 719 +	4071 489 -	2030 -
a_3	212 489 +	301 854 -	4837 +	21 019 +	456 114 -	1 2092 -
a_4	26 634 +	10 866 +	808 -	58 242 -	3 644 -	392 +
a_5	2 530 -	220 -		2 683 -	4 504 +	
December 4			December 12			
a_0	341.7201 662 +	12.6226 559 -	0.9056 2591 +	76.0505 498 +	20.8843 144 +	0.9524 0027 +
a_1	11.4596 061 +	3.9856 387 +	0.0034 6296 -	13.9735 576 +	2.3943 948 +	0.0098 9337 +
a_2	2236 996 -	2286 122 +	14 6790 +	3691 294 +	5416 516 -	3 5853 -
a_3	294 302 +	261 003 -	1610 +	235 528 -	425 219 -	1 0497 -
a_4	14 026 +	9 573 +	740 -	73 073 -	19 809 +	726 +
a_5	1 518 -	929 -		3 011 +	5 321 +	
December 5			December 13			
a_0	352.9867 536 +	8.4336 409 -	0.9036 3955 +	90.3626 778 +	22.6970 487 +	0.9618 3740 +
a_1	11.1053 494 +	4.3679 264 +	0.0005 0844 -	14.6134 414 +	1.1941 076 +	0.0088 9047 +
a_2	1285 092 -	1551 242 +	14 7198 +	2576 517 +	6519 927 -	6 2930 -
a_3	335 625 +	232 192 -	1342 -	494 043 -	293 962 -	7531 -
a_4	6 623 +	4 808 +	690 -	57 085 -	47 677 +	916 +
a_5	820 -	1 251 -		9 616 +	3 256 +	
December 6			December 14			
a_0	3.9977 366 +	3.9334 539 -	0.9045 8277 +	105.1796 197 +	23.2148 607 +	0.9700 3243 +
a_1	10.9512 578 +	4.6098 146 +	0.0023 6766 +	14.9625 070 +	0.1773 722 -	0.0074 4264 +
a_2	246 647 -	870 989 +	13 9045 +	848 494 +	7083 151 -	8 0035 -
a_3	354 015 +	225 519 -	4102 -	625 586 -	73 046 -	3788 -
a_4	2 753 +	1 534 -	650 -	5 842 -	64 247 +	884 +
a_5	647 -	1 330 -		10 777 +	922 -	
December 7			December 15			
a_0	14.9599 418 +	0.7406 214 +	0.9082 9335 +	120.1649 110 +	22.3282 013 +	0.9766 4567 +
a_1	11.0089 101 +	4.7150 786 +	0.0049 9948 +	14.9475 757 +	1.5906 820 -	0.0057 6366 +
a_2	825 486 +	171 917 +	12 2856 +	955 275 -	6926 176 -	8 6177 -
a_3	358 311 +	244 857 -	6715 -	544 276 -	172 915 +	193 -
a_4	224 -	8 294 -	593 -	49 895 +	58 617 +	629 +
a_5	1 073 -	1 175 -		5 179 +	4 101 -	
December 8			December 16			
a_0	26.0871 018 +	5.4474 591 +	0.9144 4831 +	134.9680 389 +	20.0676 448 +	0.9815 5191 +
a_1	11.2808 732 +	4.6721 005 +	0.0072 3141 +	14.6157 774 +	2.9026 468 -	0.0040 5950 +
a_2	1888 379 +	624 196 -	9 9187 +	2237 080 -	6096 908 -	8 3103 -
a_3	346 071 +	289 470 -	9113 -	296 656 -	366 173 +	2345 +
a_4	5 345 -	14 368 -	480 -	74 889 +	36 961 +	240 +
a_5	2 130 -	648 -		1 444 -	4 386 -	
December 9			December 17			
a_0	37.5906 725 +	10.0266 914 +	0.9225 7567 +	149.3377 873 +	16.5951 820 +	0.9848 0623 +
a_1	11.7591 657 +	4.4543 504 +	0.0089 2256 +	14.1085 949 +	3.9995 833 -	0.0024 7737 +
a_2	2873 227 +	1585 339 -	6 9034 +	2692 384 -	4820 541 -	7 4749 -
a_3	302 561 +	352 752 -	1 1065 -	13 373 -	471 086 +	3282 +
a_4	15 956 -	17 909 -	276 -	66 039 +	14 629 +	148 -
a_5	3 589 -	496 +		4 556 -	2 713 -	

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 where p is the fraction of a day from 0^h TT.

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
December 18			December 26			
a_0	163.1819 548+	12.1618 448+	0.9865 6744+	271.3342 186+	22.7709 060-	0.9532 2896+
a_1	13.5902 438+	4.8178 685-	0.0010 7488+	14.3735 852+	1.0920 549-	0.0094 3486-
a_2	2381 943-	3346 609-	6 5874-	258 895-	6539 174+	4 0280-
a_3	205 152+	503 527+	2632+	504 210-	28 053+	8891+
a_4	42 464+	1 269+	410-	12 021-	52 928-	522+
a_5	4 579-	866-		8 561+	1 728+	
December 19			December 27			
a_0	176.5583 080+	7.0597 083+	0.9870 0579+	285.6311 474+	23.2113 582-	0.9434 8544+
a_1	13.1900 978+	5.3360 566-	0.0001 8008-	14.1700 112+	0.2038 910+	0.0099 5282-
a_2	1557 489-	1837 020-	6 0456-	1757 824-	6323 157+	1 0576-
a_3	329 691+	500 547+	921+	468 703-	165 163-	1 0989+
a_4	19 586+	2 663-	469-	32 297+	43 516-	188+
a_5	3 717-	182+		4 927+	3 864+	
December 20			December 28			
a_0	189.6272 129+	1.5897 564+	0.9862 2567+	299.5822 283+	22.3956 330-	0.9335 3863+
a_1	12.9834 837+	5.5542 703-	0.0013 8038-	13.6932 125+	1.4034 991+	0.0098 2718-
a_2	488 024-	349 476-	6 0461-	2920 928-	5605 330+	2 3418+
a_3	371 089+	491 760+	1021-	293 071-	300 559-	1 1722+
a_4	1 308+	1 365-	312-	56 561+	23 365-	130-
a_5	3 331-	247+		89-	3 880+	
December 21			December 29			
a_0	202.5988 007+	3.9503 972-	0.9842 2736+	312.9596 882+	20.4636 053-	0.9240 6154+
a_1	12.9960 627+	5.4770 608-	0.0026 3272-	13.0436 826+	2.4269 896+	0.0090 1238-
a_2	599 797+	1120 128+	6 5297-	3461 831-	4602 305+	5 7729+
a_3	342 883+	488 309+	2308-	69 361-	356 023-	1 1173+
a_4	15 194-	177+	10+	54 926+	3 651-	370-
a_5	3 578-	552-		2 920-	2 450+	
December 22			December 30			
a_0	215.6872 543+	9.2666 518-	0.9809 1869+	325.6554 522+	17.6121 076-	0.9157 3448+
a_1	13.2110 206+	5.1067 494-	0.0040 0749-	12.3510 179+	3.2404 066+	0.0075 3742-
a_2	1501 451+	2580 613+	7 2041-	3369 679-	3536 818+	8 8981+
a_3	246 347+	482 711+	2266-	120 943+	347 060-	9666+
a_4	33 450-	2 450-	395+	39 524+	8 491+	522-
a_5	3 617-	1 921-		3 189-	818+	
December 23			December 31			
a_0	229.0693 481+	14.0675 060-	0.9761 7209+	337.6852 299+	14.0517 943-	0.9091 7832+
a_1	13.5700 288+	4.4477 559-	0.0055 0046-	11.7275 810+	3.8474 562+	0.0054 8868-
a_2	2003 480+	3994 792+	7 6372-	2801 628-	2554 730+	11 4824+
a_3	77 399+	452 980+	645-	247 667+	305 604-	7565+
a_4	52 549-	12 300-	712+	23 370+	12 354+	606-
a_5	1 923-	3 195-		2 248-	358-	
December 24			December 32			
a_0	242.8420 174+	18.0720 342-	0.9699 0857+	349.1595 271+	9.9782 259-	0.9049 0747+
a_1	13.9719 681+	3.5194 208-	0.0070 1875-	11.2497 809+	4.2714 826+	0.0029 8951-
a_2	1901 019+	5247 879+	7 3994-	1940 867-	1708 431+	13 3862+
a_3	149 564-	371 814+	2270+	319 246+	260 169-	5135+
a_4	63 091-	28 999-	852+	12 244+	10 387+	661-
a_5	2 380+	3 265-		1 239-	1 029-	
December 25						
a_0	256.9830 600+	21.0327 120-	0.9621 8110+			
a_1	14.2832 616+	2.3715 306-	0.0083 9641-			
a_2	1097 667+	6156 564+	6 2094-			
a_3	375 392-	224 266+	5747+			
a_4	50 587-	46 114-	775+			
a_5	7 282+	1 350-				

Formula: Quantity in degrees = $a_0 + a_1 p + a_2 p^2 + a_3 p^3 + a_4 p^4 + a_5 p^5$
 where p is the fraction of a day from 0^h TT.