DAILY POLYNOMIAL COEFFICIENTS FOR LUNAR COORDINATES

Notes and formulae

On the following pages (previously pages D23–D45 of *The Astronomical Almanac*), 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
$\pm 0^{\mathrm{s}}\!0003$	$\pm 0''\!003$	$\pm 0''\!0003$

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 2004 January 21^{d} 13^{h} 23^{m} $48^{\mathrm{s}}\!32$ UT, using an assumed value of $\Delta T = 66^{\mathrm{s}}$.

$$\text{TT} = 13^{\mathrm{h}}\ 24^{\mathrm{m}}\ 54^{\mathrm{s}}\!32, \text{ hence } p = 0\!\cdot\!558\ 962\ 04$$

	right ascension	declination	horizontal parallax
	°	°	°
b_1	$+0\!\cdot\!001\ 0321$	$+0\!\cdot\!001\ 2385$	$+0\!\cdot\!000\ 022\ 90$
b_2	$+0\!\cdot\!011\ 6500$	$-0\!\cdot\!010\ 4746$	$+0\!\cdot\!000\ 064\ 96$
b_3	$-0\!\cdot\!100\ 7244$	$-0\!\cdot\!043\ 6156$	$-0\!\cdot\!002\ 042\ 01$
b_4	$-0\!\cdot\!334\ 9968$	$+0\!\cdot\!908\ 9660$	$-0\!\cdot\!006\ 132\ 71$
b_5	$+16\!\cdot\!207\ 9698$	$+1\!\cdot\!929\ 0995$	$\pi = +1\!\cdot\!001\ 020\ 49$
b_6	$\alpha = 299\!\cdot\!475\ 5618$	$\delta = -25\!\cdot\!464\ 1730$	
	$= 19^{\mathrm{h}}\ 57^{\mathrm{m}}\ 54^{\mathrm{s}}\!135$	$= -25°\ 27'\ 51''\!02$	$= 1°\ 00'\ 03''\!674$

DAILY POLYNOMIAL COEFFICIENTS

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
	January 0			**January 8**		
a_0	15·3021 807+	3·4115 796+	0·9188 0965+	113·3783 726+	26·2415 876+	0·9149 8998+
a_1	10·9191 234+	5·5230 233+	0·0097 7173−	13·5726 317+	1·4386 774−	0·0059 7567+
a_2	505 487−	1193 550−	13 3793+	816 823−	6486 862−	4 4564+
a_3	449 468+	261 511−	2491+	445 090−	102 720+	2814−
a_4	12 366−	6 789+	846−	34 364+	39 927+	351+
a_5	567−	1 732−		4 865+	2 254−	
	January 1			**January 9**		
a_0	26·2144 088+	8·7896 026+	0·9103 9231+	126·8287 360+	24·1682 634+	0·9213 8666+
a_1	10·9476 354+	5·2077 107+	0·0070 5496−	13·2919 131+	2·6903 903−	0·0067 9659+
a_2	763 063+	1954 685−	13 6269+	1897 321−	5961 772−	3 8203+
a_3	393 865+	251 244−	879−	261 602−	239 586+	1379−
a_4	15 036−	1 976−	597−	58 283+	27 975+	272+
a_5	1 369−	997−		180+	2 752−	
	January 2			**January 10**		
a_0	37·2760 965+	13·7764 231+	0·9046 8528+	139·9106 031+	20·9081 767+	0·9285 5420+
a_1	11·2117 073+	4·7401 127+	0·0043 7983−	12·8573 684+	3·8010 542−	0·0075 3015+
a_2	1840 728+	2730 271−	13 0117+	2330 807−	5102 741−	3 5641+
a_3	319 408+	268 540−	3255−	28 219−	324 446+	262−
a_4	21 958−	7 116−	386−	58 020+	13 842+	95+
a_5	2 442−	0+		2 493−	1 872−	
	January 3			**January 11**		
a_0	48·7013 775+	18·2159 432+	0·9015 7021+	152·5376 216+	16·6304 901+	0·9364 3909+
a_1	11·6656 711+	4·1106 519+	0·0018 9057−	12·4047 025+	4·7196 659−	0·0082 3891+
a_2	2642 700+	3578 607−	11 8095+	2092 394−	4065 067−	3 5342+
a_3	206 898+	296 243−	4791−	178 718+	361 885+	140+
a_4	34 713−	7 247−	202−	44 769+	4 465+	167−
a_5	2 920−	1 322+		2 804−	487−	
	January 4			**January 12**		
a_0	60·6482 451+	21·9385 176+	0·9008 1066+	164·7551 531+	11·5409 038+	0·9450 3115+
a_1	12·2409 371+	3·3038 212+	0·0003 1952+	12·0563 458+	5·4225 698−	0·0089 4330+
a_2	3025 743+	4497 589−	10 2564+	1315 694−	2957 467−	3 4665+
a_3	39 690+	311 251−	5594−	330 132+	375 602+	518−
a_4	50 423−	540−	33−	30 588+	2 176+	479−
a_5	1 480−	2 677+		2 115−	775+	
	January 5			**January 13**		
a_0	73·1905 351+	24·7616 685+	0·9020 9955+	176·7157 900+	5·8604 426+	0·9543 1112+
a_1	12·8370 881+	2·3120 510+	0·0022 0166+	11·9034 246+	5·9001 237−	0·0096 0187+
a_2	2827 329+	5407 742−	8 5631+	162 885+	1809 819−	3 0139+
a_3	174 523−	286 346−	5722−	431 520+	392 562+	2449−
a_4	58 781−	13 364+	122+	20 308+	6 268+	787−
a_5	2 528+	3 238+		1 768−	1 656+	
	January 6			**January 14**		
a_0	86·2872 785+	26·5059 709+	0·9051 0152+	188·6479 321+	0·1806 144−	0·9641 8201+
a_1	13·3279 538+	1·1515 622+	0·0037 4751+	12·0075 415+	6·1409 835−	0·0100 9966+
a_2	1976 420+	6154 112−	6 9238+	1235 929+	577 909−	1 8003+
a_3	381 838−	201 126−	5223−	494 495+	434 334+	5643−
a_4	45 626−	30 272+	253+	12 110+	14 906+	1005−
a_5	7 090+	2 171+		2 736+	1 925+	
	January 7			**January 15**		
a_0	99·7708 371+	27·0252 536+	0·9094 9171+	200·8294 533+	6·3342 722+	0·9743 9522+
a_1	13·5939 826+	0·1264 064−	0·0049 8570+	12·4065 480+	6·1193 413−	0·0102 5020+
a_2	628 321+	6554 113−	5 5111+	2764 819+	833 886+	4956−
a_3	492 802−	59 667−	4193−	513 832+	512 647+	9747−
a_4	8 247−	41 380+	338+	748−	25 222+	1018−
a_5	8 256+	196−		5 727−	1 010+	

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

January 16

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	213·5632 188 +	12·3163 371 −	0·9844 8822 +
a_1	13·1104 936 +	5·7881 800 −	0·0098 1789 +
a_2	4244 550 +	2533 421 +	4 0205 −
a_3	451 036 +	621 810 +	1 3940 −
a_4	29 318 −	31 379 +	704 −
a_5	10 243 −	2 079 −	

January 24

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	335·2688 959 +	15·5013 387 −	0·9738 9376 +
a_1	13·2607 968 +	5·2953 385 +	0·0138 7504 −
a_2	5402 571 −	3174 198 +	6 2565 −
a_3	341 476 +	684 484 −	2 2209 +
a_4	51 713 +	35 826 +	440 −
a_5	7 807 −	562 +	

January 17

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	227·1393 149 +	17·7860 640 −	0·9937 5762 +
a_1	14·0778 648 +	5·0834 472 −	0·0085 6736 +
a_2	5318 855 +	4566 443 +	8 6032 −
a_3	230 804 +	723 336 +	1 6878 −
a_4	83 615 +	21 767 +	3 −
a_5	11 625 −	7 671 −	

January 25

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	348·0279 737 +	9·9533 901 −	0·9596 1075 +
a_1	12·2995 117 +	5·7394 412 +	0·0144 7775 −
a_2	4145 863 −	1341 180 +	1250 +
a_3	472 680 +	536 894 −	2 0325 +
a_4	13 276 +	37 725 +	981 −
a_5	3 592 −	1 681 −	

January 18

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	241·7626 215 +	22·3391 238 −	1·0012 9586 +
a_1	15·1716 312 +	3·9482 917 −	0·0063 4023 +
a_2	5392 377 +	6790 090 +	13 6379 −
a_3	213 452 −	731 128 +	1 6944 −
a_4	148 319 −	18 292 −	987 +
a_5	708 −	12 435 −	

January 26

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	359·9611 355 +	4·1299 159 −	0·9453 3894 +
a_1	11·6156 602 +	5·8608 578 +	0·0138 8228 −
a_2	2683 988 −	60 036 −	5 6279 +
a_3	491 212 +	403 174 −	1 6307 +
a_4	3 953 −	28 836 +	1175 −
a_5	1 304 −	2 281 −	

January 19

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	257·4372 424 +	25·5383 664 −	1·0061 1274 +
a_1	16·1264 128 +	2·3844 655 −	0·0031 4387 +
a_2	3854 943 +	8748 721 +	18 0992 −
a_3	801 984 −	535 674 +	1 2920 −
a_4	152 460 −	85 041 −	1952 +
a_5	20 936 +	9 016 −	

January 27

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	11·3569 924 +	1·6872 764 +	0·9321 7077 +
a_1	11·2239 939 +	5·7382 924 +	0·0123 1451 −
a_2	1247 049 −	1119 392 −	9 8161 +
a_3	462 757 +	310 553 −	1 1555 +
a_4	10 004 −	17 204 +	1136 −
a_5	643 −	2 107 −	

January 20

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	273·8557 990 +	27·0037 981 −	1·0073 3702 +
a_1	16·6062 986 +	0·5125 300 −	0·0007 8538 −
a_2	745 193 +	9755 089 +	20 7882 −
a_3	1198 665 −	112 121 +	4911 −
a_4	36 448 −	131 847 −	2473 +
a_5	28 162 +	3 253 +	

January 28

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	22·5014 924 +	7·2840 842 +	0·9209 4206 +
a_1	11·1090 876 +	5·4270 772 +	0·0100 5009 −
a_2	74 795 +	1968 915 −	12 6054 +
a_3	416 104 +	262 498 −	6992 +
a_4	12 965 −	6 534 +	990 −
a_5	1 009 −	1 579 −	

January 21

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	290·4159 220 +	26·5424 664 −	1·0044 4844 +
a_1	16·3952 203 +	1·4210 220 −	0·0049 9130 −
a_2	2786 957 −	9333 455 +	20 7832 −
a_3	1072 363 −	377 607 −	5216 +
a_4	110 731 +	111 669 −	2290 +
a_5	10 321 +	12 385 +	

January 29

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	33·6582 725 +	12·4885 157 +	0·9122 1253 +
a_1	11·2431 861 +	4·9563 703 +	0·0073 5886 −
a_2	1235 224 +	2733 012 −	14 1141 +
a_3	353 639 +	251 677 −	3033 +
a_4	17 958 −	1 505 −	823 −
a_5	1 914 −	777 −	

January 22

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	306·4373 155 +	24·2357 879 −	0·9974 5388 +
a_1	15·5655 527 +	3·1359 547 +	0·0088 9978 −
a_2	5237 201 −	7654 988 +	17 8688 −
a_3	536 515 −	700 889 −	1 4523 +
a_4	157 054 +	46 147 −	1492 +
a_5	7 960 −	11 246 +	

January 30

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	45·0583 577 +	17·1461 888 +	0·9062 8718 +
a_1	11·5881 816 +	4·3332 754 +	0·0044 7795 −
a_2	2169 200 +	3504 874 −	14 5351 +
a_3	262 231 +	264 812 −	249 −
a_4	27 820 −	5 555 −	674 −
a_5	2 708 −	354 +	

January 23

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	321·4404 059 +	20·4079 135 −	0·9869 2735 +
a_1	14·4159 946 +	4·4438 429 +	0·0119 7819 −
a_2	5984 807 −	5387 944 +	12 6489 −
a_3	9 647 +	776 323 −	2 0497 +
a_4	111 911 +	10 402 +	451 +
a_5	11 798 −	5 297 +	

January 31

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	56·8866 295 +	21·1019 756 +	0·9032 5351 +
a_1	12·0882 092 +	3·5508 138 +	0·0016 0538 −
a_2	2761 760 +	4329 107 −	14 0595 +
a_3	124 148 +	282 693 −	2941 −
a_4	42 186 −	3 840 −	551 −
a_5	2 278 −	1 742 +	

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	69·2589 830+	24·1913 995+	0·9030 1917+	173·7722 459+	7·0919 701+	0·9569 3879+
a_1	12·6597 953+	2·5995 204+	0·0010 9629+	12·0765 589+	5·9283 575−	0·0077 4340+
a_2	2858 141+	5182 774−	12 8507+	692 193−	2004 486−	2 8787−
a_3	65 772−	280 005−	5143−	371 713+	445 540+	1634−
a_4	54 682−	5 129+	436−	22 617+	4 514+	288+
a_5	474+	2 869+		2 067−	489+	
	February 2			**February 10**		
a_0	82·1925 944+	26·2454 418+	0·9053 4473+	185·8188 117+	1·0082 183+	0·9643 8085+
a_1	13·1900 607+	1·4824 502+	0·0034 9468+	12·0576 466+	6·1935 419−	0·0071 3015+
a_2	2337 420+	5963 234−	11 0501+	538 024+	635 852−	3 2052−
a_3	277 223−	230 818−	6895−	441 296−	468 758+	464−
a_4	52 595−	20 096+	308−	12 714+	7 190+	4+
a_5	4 938+	2 855+		2 413−	973+	
	February 3			**February 11**		
a_0	95·5839 091+	27·1107 818+	0·9098 7239+	197·9754 204+	5·2012 167−	0·9711 8588+
a_1	13·5558 119+	0·2300 220+	0·0054 8553+	12·3015 172+	6·1767 227−	0·0064 7535+
a_2	1239 745+	6506 485−	8 8020+	1914 143+	823 359+	3 3513−
a_3	436 556−	122 765−	8138−	466 966+	507 098+	458−
a_4	26 550−	34 913+	147−	1 252+	12 478+	298−
a_5	7 893+	1 304+		4 205−	734+	
	February 4			**February 12**		
a_0	109·2181 743+	26·6815 004+	0·9161 5527+	210·5147 532+	11·2435 724−	0·9773 1854+
a_1	13·6661 192+	1·0934 902−	0·0069 9590+	12·8228 306+	5·8545 651−	0·0057 7942+
a_2	150 044−	6652 274−	6 2785+	3280 523+	2426 970+	3 6742−
a_3	464 562−	28 689+	8735−	428 155+	563 421+	1691−
a_4	14 694+	41 378+	49+	19 559−	16 864+	520−
a_5	6 545+	884−		7 304−	843−	
	February 5			**February 13**		
a_0	122·8249 568+	24·9297 011+	0·9236 9217+	223·7057 653+	16·7974 963−	0·9827 0843+
a_1	13·5058 869+	2·3992 306−	0·0079 9151+	13·5959 044+	5·1938 244−	0·0049 7301+
a_2	1390 075−	6326 852−	3 6939+	4374 356+	4210 096+	4 4950−
a_3	342 746−	184 575+	8536−	275 916+	620 506+	3839−
a_4	47 780+	36 429+	259+	57 620−	13 366+	571−
a_5	2 221+	2 251−		9 218−	4 216−	
	February 6			**February 14**		
a_0	136·1625 618+	21·9196 606+	0·9319 7030+	237·7600 130+	21·5073 454−	0·9871 8785+
a_1	13·1452 666+	3·5957 824+	0·0084 8457+	14·5258 996+	4·1624 188−	0·0039 3597+
a_2	2109 559−	5577 129−	1 2937+	4763 583+	6109 594+	5 9835−
a_3	131 495−	307 753+	7481−	43 609−	629 655+	6203−
a_4	57 974+	24 696+	435+	107 948−	8 139−	389−
a_5	1 462−	2 258−		4 070−	8 113−	
	February 7			**February 15**		
a_0	149·0893 743+	17·7991 843+	0·9405 1378+	252·7467 082+	24·9974 646−	0·9904 5956+
a_1	12·7063 636+	4·6101 323−	0·0085 3632+	15·4203 356+	2·7589 159−	0·0025 3761+
a_2	2170 963−	4528 300−	6868−	3943 978+	7868 223+	8 0645−
a_3	84 990+	384 428+	5702−	507 868−	515 980+	7823−
a_4	49 704+	13 229+	521+	131 011−	51 252−	28+
a_5	2 806−	1 409−		10 635+	8 277−	
	February 8			**February 16**		
a_0	161·5918 304+	12·7758 468+	0·9489 2961+	268·4986 173+	26·9239 131+	0·9921 1277+
a_1	12·3161 472+	5·3958 756−	0·0082 4877+	16·0096 967+	1·0551 089−	0·0006 9112+
a_2	1645 894−	3309 721−	2 0862−	1741 441+	9025 545+	10 3775−
a_3	255 861+	423 853+	3570−	919 432−	231 896+	7734−
a_4	35 261+	6 230+	474+	72 312−	95 032−	588+
a_5	2 545−	373−		22 044+	1 704−	

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 17			**February 25**		
a_0	284·5854 883+	27·0629 513−	0·9916 9468+	29·5083 478+	10·9017 274+	0·9207 2148+
a_1	16·0642 453+	0·7807 135+	0·0015 9287−	11·3474 465+	5·2467 128+	0·0091 5209−
a_2	1229 234−	9134 162+	12 3288−	755 957+	2649 283−	9 9995+
a_3	991 890−	160 651−	5338−	348 724+	279 999−	9953+
a_4	45 364+	102 408−	1114+	15 276−	6 186+	795−
a_5	15 267+	6 610+		1 519−	1 042−	
	February 18			**February 26**		
a_0	300·4336 843+	25·3944 665−	0·9888 2669+	40·9645 831+	15·8560 263+	0·9126 6093+
a_1	15·5465 936+	2·5216 956+	0·0041 7416−	11·5963 847+	4·6348 107+	0·0068 8537−
a_2	3780 147−	8104 272+	13 2531−	1695 252+	3462 614−	12 5092+
a_3	666 491−	502 568−	780−	272 070+	265 218−	6760+
a_4	121 011+	66 479−	1403+	23 026−	816+	782−
a_5	493−	9 332+		2 176−	252−	
	February 19			**February 27**		
a_0	315·5476 658+	22·1183 152−	0·9833 3345+	52·7551 798+	20·1181 102+	0·9070 8625+
a_1	14·6387 656+	3·9698 510+	0·0067 9198−	12·0067 580+	3·8629 239+	0·0042 1202−
a_2	5059 150−	6291 199+	12 6471−	2351 456+	4255 914−	14 0690+
a_3	192 204−	676 623−	4953+	158 273+	263 862−	3631+
a_4	113 960+	18 531−	1336+	34 468−	544−	747−
a_5	8 678−	6 621+		2 105−	819+	
	February 20			**February 28**		
a_0	329·6718 241+	17·5881 977−	0·9753 3965+	65·0092 535+	23·5290 839+	0·9043 0997+
a_1	13·6105 198+	5·0209 975+	0·0091 1934−	12·5096 936+	2·9327 754+	0·0013 1916−
a_2	5039 142−	4216 307−	10 3718−	2598 281+	5042 562−	14 7110+
a_3	177 035+	686 730−	1 0380+	374+	257 252−	649+
a_4	68 184+	14 295+	944+	45 872−	3 650+	721−
a_5	8 057−	2 785+		357−	1 871+	
	February 21			**February 29**		
a_0	342·8021 460+	12·2125 346−	0·9652 9636+	77·7741 897+	25·9324 301+	0·9044 6120+
a_1	12·6790 507+	5·6653 470+	0·0108 4454−	13·0109 384+	1·8494 838+	0·0016 1369+
a_2	4179 538−	2269 635+	6 7086−	2320 514+	5773 648−	14 4737+
a_3	371 068+	603 243−	1 4176+	184 730−	223 701−	2230−
a_4	27 747+	27 581+	388+	48 172−	13 383+	711−
a_5	4 717−	154+		3 085+	2 304+	
	February 22			**March 1**		
a_0	355·1026 527+	6·3777 749−	0·9539 2659+	90·9941 979+	27·1837 476+	0·9074 9285+
a_1	11·9632 069+	5·9494 089+	0·0117 4551−	13·4018 995+	0·6341 482+	0·0044 1309+
a_2	2946 953−	626 857+	2 2398+	1508 229+	6341 351−	13 3785+
a_3	436 369+	492 148−	1 5693+	344 805−	147 511−	5079−
a_4	4 673+	27 869+	143−	32 084−	25 353+	700−
a_5	2 169−	1 142−		6 229+	1 644+	
	February 23			**March 2**		
a_0	6·8150 515+	0·4122 224−	0·9421 1259+	104·5098 544+	27·1717 092+	0·9131 8600+
a_1	11·5055 127+	5·9377 120+	0·0117 2844−	13·5903 849+	0·6674 141−	0·0069 0841+
a_2	1631 444−	693 840−	2 3702+	343 800+	6615 312−	11 4363+
a_3	434 045+	392 351−	1 5062+	410 742−	30 473−	7900−
a_4	5 707−	21 867+	525−	516+	33 707+	652−
a_5	1 031−	1 574−		6 408+	211+	
	February 24			**March 3**		
a_0	18·2001 504+	5·4188 999+	0·9307 6654+	118·0942 374+	25·8431 082+	0·9211 5252+
a_1	11·3066 390+	5·6891 990+	0·0108 2356−	13·5393 292+	1·9860 319−	0·0089 3256+
a_2	373 832−	1755 457−	6 5673+	821 147−	6502 422−	8 6791+
a_3	400 958+	320 572−	1 2907+	346 240−	105 760+	1 0544−
a_4	10 583−	13 804+	730−	33 348+	34 492+	519−
a_5	960−	1 491−		3 456+	1 016−	

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 4			**March 12**		
a_0	131·5205 084+	23·2207 577+	0·9308 4236+	234·4580 984+	20·7745 745−	0·9890 2324+
a_1	13·2862 911+	3·2415 001−	0·0103 3128+	14·4307 233+	4·4730 363−	0·0002 6994+
a_2	1625 284−	5988 398−	5 2124+	4210 607+	6038 358+	8 4394−
a_3	180 304−	233 343+	1 2664−	33 367−	608 699+	5222+
a_4	50 232+	29 062+	262−	94 838−	17 051−	185−
a_5	88−	1 394−		3 314−	6 354−	
	March 5			**March 13**		
a_0	144·6312 550+	19·4065 188+	0·9415 6562+	249·2967 306+	24·5852 455−	0·9884 9960+
a_1	12·9271 897+	4·3582 490−	0·0109 8332+	15·2232 561+	3·0927 516−	0·0012 6873−
a_2	1865 816−	5127 959−	1 2675+	3508 031+	7698 355+	6 9915−
a_3	18 538+	335 820+	1 3748−	439 138−	477 205−	4415+
a_4	48 963+	21 935+	119+	113 568−	50 631−	428−
a_5	2 090−	1 096−		8 640+	6 059−	
	March 6			**March 14**		
a_0	157·3784 042+	14·5711 399+	0·9525 3940+	264·8163 833+	26·8661 102−	0·9865 7158+
a_1	12·5781 276+	5·2748 683−	0·0108 2914+	15·7520 245+	1·4331 953−	0·0025 5177−
a_2	1537 418−	3999 839−	2 7718−	1596 184+	8765 362+	5 9250−
a_3	193 180+	412 888+	1 3275−	801 744−	216 923+	2631+
a_4	37 975+	16 492+	563+	66 300−	82 579−	454−
a_5	2 478−	618−		18 354+	1 039−	
	March 7			**March 15**		
a_0	169·8256 577+	8·9391 638+	0·9629 6425+	280·6430 574+	27·4094 389−	0·9834 4909+
a_1	12·3425 492+	5·9446 817−	0·0098 9908+	15·8133 905+	0·3514 097+	0·0036 7601−
a_2	754 832−	2668 385−	6 4049−	1022 445−	8910 382+	5 4027−
a_3	320 345+	472 885+	1 0980−	885 793−	120 330−	762+
a_4	25 499+	13 520+	944+	31 559+	86 954−	282−
a_5	2 309−	265−		13 912+	5 157+	
	March 8			**March 16**		
a_0	182·1270 772+	2·7762 575+	0·9721 2247+	296·2701 711+	26·1872 037−	0·9792 3761+
a_1	12·2967 309+	6·3312 179−	0·0083 2647+	15·3627 289+	2·0651 864+	0·0047 4499−
a_2	336 142+	1171 238−	9 1274−	3351 335−	8079 540+	5 3342−
a_3	399 058+	524 373+	7124−	627 529−	415 317−	390−
a_4	14 246+	12 345+	1123+	101 266+	59 049−	15+
a_5	2 634−	143−		1 077+	7 290−	
	March 9			**March 17**		
a_0	194·4984 893+	3·6184 267−	0·9794 7619+	311·2452 478+	23·3607 709−	0·9739 5545+
a_1	12·4880 565+	6·4032 874−	0·0063 3226+	14·5452 390+	3·5365 225+	0·0058 2294−
a_2	1592 511+	474 565+	10 5935−	4616 083−	6552 338+	5 4326−
a_3	428 864+	572 134+	2539−	216 285−	579 665−	321−
a_4	1 540+	11 893+	1025+	103 077+	21 595−	331+
a_5	4 082−	444−		6 795−	5 328+	
	March 10			**March 18**		
a_0	207·1884 289+	9·9158 993−	0·9847 3395+	325·3168 782+	19·2286 079−	0·9675 8936+
a_1	12·9337 897+	6·1322 000−	0·0041 7839+	13·5949 694+	4·6671 133+	0·0069 0580−
a_2	2847 520+	2257 965+	10 7510−	4714 771−	4737 021+	5 3227−
a_3	392 835+	614 597+	1621+	127 685+	614 398−	1046+
a_4	18 774−	10 150−	682+	66 823+	4 840+	565+
a_5	6 501−	1 583−		7 201−	2 460+	
	March 11			**March 19**		
a_0	220·4437 266+	15·7599 865−	0·9878 6026+	338·4591 012+	14·1485 024−	0·9601 6740+
a_1	13·6103 828+	5·4929 624−	0·0021 0410+	12·7134 524+	5·4333 618+	0·0079 1632−
a_2	3848 161+	4146 888+	9 8696−	4002 854−	2947 391+	4 6673−
a_3	252 114+	638 043+	4359+	324 367+	571 581−	3362+
a_4	52 612−	2 686+	225+	30 445+	16 646+	645+
a_5	7 773−	3 872−		4 636−	517+	

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

March 20

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	350·8072 857 +	8·4758 434 −	0·9518 2441 +
a_1	12·0200 541 +	5·8582 813 +	0·0087 2311 −
a_2	2893 407 −	1337 635 +	3 2745 −
a_3	401 070 +	500 400 −	5990 +
a_4	7 616 +	18 880 +	558 +
a_5	2 353 −	423 −	

March 28

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	86·4549 479 +	27·1024 279 +	0·9041 3343 +
a_1	13·2474 047 +	1·0504 276 +	0·0020 0836 +
a_2	1484 557 +	6189 301 −	14 4162 +
a_3	300 137 −	143 653 −	1381 +
a_4	30 085 −	22 230 +	734 −
a_5	5 304 +	1 057 +	

March 21

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	2·5786 325 +	2·5319 929 −	0·9428 3934 +
a_1	11·5635 652 +	5·9830 286 +	0·0091 7595 −
a_2	1667 986 +	54 544 −	1 1488 −
a_3	408 667 +	429 323 +	8252 +
a_4	3 778 −	16 565 +	349 +
a_5	1 202 −	778 −	

March 29

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	99·8183 166 +	27·5218 888 +	0·9075 8988 +
a_1	13·4448 935 +	0·2211 092 −	0·0049 0369 +
a_2	456 831 +	6476 302 −	14 3868 +
a_3	367 192 −	44 735 −	1549 −
a_4	2 402 −	27 583 +	847 −
a_5	5 755 +	44 +	

March 22

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	14·0157 678 +	3·4042 277 +	0·9336 3452 +
a_1	11·3504 561 +	5·8495 597 +	0·0091 4418 −
a_2	476 645 −	1250 927 −	1 5283 +
a_3	381 659 +	370 866 −	9653 +
a_4	9 533 −	12 544 +	91 +
a_5	1 011 −	820 −	

March 30

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	113·2725 094 +	26·6514 386 +	0·9139 0829 +
a_1	13·4280 163 +	1·5187 359 −	0·0077 0069 +
a_2	601 510 −	6444 608 −	13 4103 +
a_3	320 507 −	65 595 +	4944 −
a_4	27 121 +	27 559 +	961 −
a_5	3 512 +	724 −	

March 23

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	25·3556 708 +	9·0927 805 +	0·9247 4060 +
a_1	11·3653 055 +	5·4927 225 +	0·0085 4530 −
a_2	601 026 +	2296 480 +	4 4714 +
a_3	333 205 +	328 763 −	1 0004 +
a_4	14 497 −	8 315 +	149 −
a_5	1 396 −	610 −	

March 31

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	126·6113 872 +	24·4974 848 +	0·9228 9096 +
a_1	13·2241 631 +	2·7773 176 −	0·0101 9598 +
a_2	1365 228 +	6089 754 −	11 3488 +
a_3	178 636 −	168 564 +	8817 −
a_4	44 460 +	23 637 +	1021 −
a_5	462 +	752 −	

March 24

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	36·8128 102 +	14·3237 492 +	0·9167 4099 +
a_1	11·5789 751 +	4·9378 190 +	0·0073 5690 −
a_2	1499 674 +	3239 005 −	7 3770 +
a_3	260 993 +	301 326 −	9386 +
a_4	21 613 −	5 127 +	336 −
a_5	1 891 −	132 −	

April 1

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	139·6856 561 +	21·1303 367 +	0·9341 2344 +
a_1	12·9155 394 +	3·9356 199 −	0·0121 6039 +
a_2	1629 866 −	5449 773 −	8 0942 +
a_3	2 665 +	255 892 +	1 2960 −
a_4	46 088 +	19 767 +	939 −
a_5	1 502 −	216 −	

March 25

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	48·5655 016 +	18·9080 345 +	0·9102 1230 +
a_1	11·9476 172 +	4·2016 058 +	0·0056 1335 −
a_2	2133 985 +	4113 556 −	9 9872 +
a_3	155 710 +	281 726 −	8026 +
a_4	31 542 −	4 381 +	465 −
a_5	1 790 −	583 +	

April 2

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	152·4429 339 +	16·6772 838 +	0·9469 5425 +
a_1	12·6080 490 +	4·9410 076 −	0·0133 5278 +
a_2	1360 450 +	4565 638 −	3 6524 +
a_3	171 612 +	333 124 +	1 6808 −
a_4	38 071 +	18 800 +	620 −
a_5	2 085 −	356 +	

March 26

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	60·7387 551 +	22·6706 084 +	0·9056 7328 +
a_1	12·4076 172 +	3·2964 213 +	0·0033 9373 −
a_2	2393 852 +	4926 612 −	12 1130 +
a_3	12 513 +	257 969 −	6157 +
a_4	41 222 −	7 360 +	557 −
a_5	325 −	1 296 +	

April 3

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	164·9356 977 +	11·3149 405 +	0·9604 9799 +
a_1	12·4016 284 +	5·7464 997 −	0·0135 5417 +
a_2	638 061 −	3449 866 −	1 7431 −
a_3	303 002 +	411 992 +	1 9377 −
a_4	27 557 +	20 822 +	13 −
a_5	2 111 −	546 +	

March 27

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	73·3828 540 +	25·4494 374 +	0·9035 4685 +
a_1	12·8734 933 +	2·2373 010 +	0·0008 0868 −
a_2	2180 734 +	5643 355 −	13 6235 +
a_3	153 980 −	215 420 −	3930 +
a_4	43 297 −	14 107 +	639 −
a_5	2 549 +	1 563 +	

April 4

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	177·3063 649 +	5·2667 901 +	0·9736 8396 +
a_1	12·3748 840 +	6·3042 740 −	0·0126 2369 +
a_2	415 219 +	2083 453 −	7 5389 −
a_3	391 831 +	500 518 +	1 9467 −
a_4	17 309 +	23 828 +	804 +
a_5	2 579 −	165 +	

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 5			**April 13**		
a_0	189·7634 268 +	1·1933 781 −	0·9853 6713 +	307·9794 231 +	24·2535 595 −	0·9736 6068 +
a_1	12·5811 092 +	6·5611 966 −	0·0105 6409 +	14·6650 732 +	3·2303 160 +	0·0089 0030 −
a_2	1668 840 +	437 225 −	12 8723 −	5016 324 −	6746 103 +	1 1863 −
a_3	434 291 +	596 883 +	1 6190 −	215 865 −	593 890 −	6576 +
a_4	4 928 +	24 973 +	1593 +	112 117 +	14 853 −	734 −
a_5	4 236 −	871 −		7 975 −	5 328 +	
	April 6			**April 14**		
a_0	202·5549 184 +	7·7361 988 −	0·9944 9802 +	322·1316 916 +	20·4089 748 −	0·9647 0017 +
a_1	13·0450 147 +	6·4600 257 −	0·0075 6774 +	13·6379 078 +	4·3980 882 +	0·0089 6966 −
a_2	2958 940 +	1494 610 +	16 7598 −	5071 345 −	4928 523 +	3537 +
a_3	410 018 +	686 984 +	9662 −	152 692 +	602 070 −	3611 +
a_4	16 047 −	21 022 +	2038 +	69 762 +	11 302 +	488 −
a_5	7 077 −	2 721 −		7 938 −	1 741 +	
	April 7			**April 15**		
a_0	215·9345 165 +	13·9762 350 −	1·0003 1355 +	335·2839 165 +	15·5769 370 −	0·9557 9711 +
a_1	13·7498 493 +	5·9479 632 −	0·0040 0754 +	12·6933 859 +	5·2085 607 +	0·0088 1011 −
a_2	4021 729 +	3654 531 +	18 4389 −	4274 125 −	3207 427 +	1 1532 +
a_3	274 127 +	742 305 +	1327 −	354 073 +	540 651 −	1657 +
a_4	52 801 −	7 715 +	1933 +	29 782 +	19 302 +	195 −
a_5	8 901 −	5 435 −		4 853 −	292 −	
	April 8			**April 16**		
a_0	230·1077 811 +	19·4842 865 −	1·0024 8326 +	347·5877 902 +	10·0997 977 −	0·9471 1693 +
a_1	14·6108 677 +	4·9939 994 −	0·0003 5736 +	11·9542 723 +	5·6954 247 +	0·0085 3757 −
a_2	4437 718 +	5873 296 −	17 6953 −	3081 682 −	1698 297 −	1 5413 +
a_3	23 313 −	717 508 +	6531 +	426 136 +	466 776 −	895 +
a_4	101 195 −	20 093 −	1333 +	5 973 +	17 405 +	70 +
a_5	4 340 −	7 834 −		2 319 −	965 −	
	April 9			**April 17**		
a_0	245·1495 358 +	23·8219 982 −	1·0011 4972 +	359·2768 732 +	4·2795 769 −	0·9387 4313 +
a_1	15·4487 844 +	3·6160 406 −	0·0029 3245 −	11·4670 076 +	5·9015 307 +	0·0081 9967 −
a_2	3716 807 +	7826 608 +	14 9615 −	1790 575 −	392 713 +	1 8573 +
a_3	463 859 −	559 557 +	1 1882 +	427 550 +	406 807 −	1204 +
a_4	125 658 −	61 444 −	509 +	5 183 −	12 380 +	256 +
a_5	9 270 +	6 656 −		1 105 −	948 −	
	April 10			**April 18**		
a_0	260·9119 762 +	26·6062 323 −	0·9968 4502 +	10·6069 495 +	1·6216 875 +	0·9307 4380 +
a_1	16·0073 723 +	1·9107 499 −	0·0055 4798 −	11·2345 320 +	5·8625 093 +	0·0077 8182 −
a_2	1664 646 +	9069 817 +	11 1145 −	550 042 −	762 929 −	2 3748 +
a_3	867 631 −	250 902 +	1 3848 +	395 881 +	366 607 −	2262 +
a_4	74 585 −	96 442 −	229 −	10 430 −	7 547 +	340 +
a_5	20 715 +	116 −		929 −	664 −	
	April 11			**April 19**		
a_0	276·9936 630 +	27·5945 662 −	0·9903 2177 +	21·8249 295 +	7·3719 315 +	0·9232 2547 +
a_1	16·0605 299 +	0·0601 430 −	0·0073 6467 −	11·2386 510 +	5·6026 283 +	0·0072 2541 −
a_2	1177 590 −	9242 909 +	7 1120 −	565 738 +	1824 130 −	3 2567 +
a_3	961 647 −	132 088 −	1 2828 +	344 624 +	342 825 −	3650 +
a_4	36 197 +	95 629 −	689 −	14 968 −	4 149 +	324 +
a_5	15 459 +	6 955 +		1 368 −	252 −	
	April 12			**April 20**		
a_0	292·8454 348 +	26·7524 945 −	0·9823 6728 +	33·1529 831 +	12·7582 540 +	0·9163 6546 +
a_1	15·5587 098 +	1·7140 401 +	0·0084 2986 −	11·4485 141 +	5·1364 891 +	0·0064 5161 −
a_2	3690 768 −	8342 799 +	3 6818 −	1496 094 +	2830 248 −	4 5433 +
a_3	670 460 −	444 114 −	9978 +	270 750 +	328 434 −	4966 +
a_4	113 424 +	58 215 −	835 −	21 934 −	2 805 +	233 +
a_5	590 +	8 480 +		1 929 −	297 +	

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
	April 21		
a_0	44·7757 953 +	17·5791 851 +	0·9104 2017 +
a_1	11·8192 197 +	4·4731 805 +	0·0053 8467 −
a_2	2157 366 +	3795 761 −	6 1684 +
a_3	163 756 +	313 867 −	5906 +
a_4	32 073 −	4 242 +	97 +
a_5	1 895 −	961 +	
	April 22		
a_0	56·8237 304 +	21·6419 230 +	0·9057 1236 +
a_1	12·2860 447 +	3·6220 459 +	0·0039 6995 −
a_2	2437 127 +	4702 291 −	7 9934 +
a_3	17 379 +	286 979 −	6294 +
a_4	42 318 −	9 146 +	56 −
a_5	444 −	1 519 +	
	April 23		
a_0	69·3509 496 +	24·7661 084 +	0·9026 0414 +
a_1	12·7615 381 +	2·5999 116 +	0·0021 8467 −
a_2	2230 835 +	5493 125 −	9 8434 +
a_3	154 625 −	235 205 −	6071 +
a_4	45 041 −	17 035 +	210 −
a_5	2 524 +	1 541 +	
	April 24		
a_0	82·3158 571 +	26·7950 446 +	0·9014 6242 +
a_1	13·1445 667 +	1·4383 088 +	0·0000 4223 −
a_2	1522 017 +	6081 075 −	11 5342 +
a_3	307 897 −	152 110 −	5235 +
a_4	31 948 −	25 051 +	365 −
a_5	5 446 +	746 +	
	April 25		
a_0	95·5791 856 +	27·6126 145 +	0·9026 2230 +
a_1	13·3465 453 +	0·1868 526 +	0·0024 0703 +
a_2	461 264 +	6379 638 −	12 8800 +
a_3	380 922 −	45 152 −	3779 +
a_4	3 491 −	28 798 +	534 −
a_5	5 989 +	501 −	
	April 26		
a_0	108·9340 150 +	27·1598 179 +	0·9063 4979 +
a_1	13·3261 171 +	1·0913 527 −	0·0050 7506 +
a_2	642 451 −	6347 360 −	13 6873 +
a_3	336 279 −	64 559 +	1653 +
a_4	27 258 +	25 965 +	729 −
a_5	3 681 +	1 333 −	
	April 27		
a_0	122·1653 531 +	25·4426 482 +	0·9128 0281 +
a_1	13·1094 835 +	2·3317 376 −	0·0078 3295 +
a_2	1450 971 −	6011 280 −	13 7387 +
a_3	192 223 −	155 151 +	1256 −
a_4	45 426 +	18 912 +	954 −
a_5	518 +	1 210 −	
	April 28		
a_0	135·1151 114 +	22·5270 679 +	0·9219 8754 +
a_1	12·7800 489 +	3·4804 873 −	0·0105 0486 +
a_2	1750 028 −	5444 477 −	12 7825 +
a_3	6 494 −	219 199 +	5079 −
a_4	47 265 +	12 680 +	1183 −
a_5	1 472 −	327 −	

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
	April 29		
a_0	147·7240 874 +	18·5252 881 +	0·9337 0803 +
a_1	12·4462 646 +	4·4987 133 −	0·0128 6167 +
a_2	1500 726 −	4714 062 −	10 5445 +
a_3	167 560 +	267 267 +	9850 −
a_4	39 353 +	11 094 +	1342 −
a_5	1 948 −	761 +	
	April 30		
a_0	160·0407 759 +	13·5830 808 +	0·9475 1223 +
a_1	12·2111 546 +	5·3565 266 −	0·0146 2134 +
a_2	781 435 −	3838 055 −	6 7859 +
a_3	305 594 +	319 714 +	1 5309 −
a_4	29 501 +	15 110 +	1299 −
a_5	1 747 −	1 576 +	
	May 1		
a_0	172·2071 218 +	7·8763 887 +	0·9626 4609 +
a_1	12·1574 723 +	6·0213 910 −	0·0154 6722 +
a_2	294 917 +	2772 435 −	1 4268 +
a_3	406 009 +	396 016 +	2 0646 −
a_4	21 059 +	23 344 +	889 −
a_5	1 931 −	1 770 +	
	May 2		
a_0	184·4365 995 +	1·6198 672 +	0·9780 4064 +
a_1	12·3457 144 +	6·4468 517 −	0·0150 9754 +
a_2	1620 072 +	1426 543 −	5 2733 −
a_3	470 025 +	506 609 +	2 4351 −
a_4	12 072 +	32 718 +	13 −
a_5	3 467 −	969 +	
	May 3		
a_0	196·9921 841 +	4·9156 093 −	0·9923 6723 +
a_1	12·8138 278 +	6·5666 091 −	0·0133 1181 +
a_2	3068 004 +	299 387 +	12 5484 −
a_3	481 602 +	645 821 +	2 4466 −
a_4	4 525 −	38 299 +	1217 +
a_5	6 959 −	1 329 −	
	May 4		
a_0	210·1598 241 +	11·3840 007 −	1·0041 9171 +
a_1	13·5666 156 +	6·2983 353 −	0·0101 1688 +
a_2	4415 974 +	2453 468 −	19 1221 −
a_3	391 582 +	783 325 +	1 9494 −
a_4	39 884 −	32 423 +	2395 +
a_5	11 163 −	5 488 −	
	May 5		
a_0	224·2020 906 +	17·3559 632 −	1·0122 2540 +
a_1	14·5457 520 +	5·5624 246 −	0·0058 0359 +
a_2	5239 156 +	4943 061 +	23 5153 −
a_3	121 402 +	855 357 +	9651 −
a_4	99 938 −	4 727 +	2984 +
a_5	9 945 −	10 443 −	
	May 6		
a_0	239·2729 099 +	22·3391 177 −	1·0156 1078 +
a_1	15·5850 723 +	4·3205 373 −	0·0009 3049 +
a_2	4903 407 +	7432 642 +	24 6298 −
a_3	369 274 −	769 332 +	2573 +
a_4	155 750 −	50 372 −	2677 +
a_5	4 896 +	11 600 −	

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 7			**May 15**		
a_0	255·2963 102+	25·8456 550−	1·0141 3077+	7·9063 301+	0·2015 296+	0·9297 6181+
a_1	16·3951 415+	2·6291 497−	0·0038 1114−	11·1496 386+	5·8332 628+	0·0089 2160−
a_2	2910 479+	9321 873+	22 2836−	919 246−	544 031−	6 7091+
a_3	932 475−	456 262+	1 3441+	442 192+	337 540−	197−
a_4	128 226−	112 109−	1644+	12 069−	8 014+	169−
a_5	24 978+	3 824−		723−	1 259−	
	May 8			**May 16**		
a_0	271·8789 275+	27·5085 844−	1·0082 4211+	19·0069 841+	5·9473 109+	0·9215 0747+
a_1	16·6586 929+	0·6746 388−	0·0077 9889−	11·0932 573+	5·6257 717+	0·0075 9243−
a_2	404 867+	9979 898+	17 3036−	327 701+	1521 171−	6 5559+
a_3	1195 878−	23 867−	1 9998+	386 407+	317 693−	850−
a_4	8 412+	130 306−	391+	15 499−	1 639+	63+
a_5	24 474+	8 045+		1 201−	600−	
	May 9			**May 17**		
a_0	288·3808 345+	27·1998 461−	0·9989 1674+	30·1699 823+	11·3893 000+	0·9145 6277+
a_1	16·2345 356+	1·2660 856+	0·0106 4411−	11·2679 190+	5·2265 858+	0·0063 0421−
a_2	3696 923−	9207 536+	11 1007−	1381 904+	2470 439−	6 3437+
a_3	928 495−	462 080−	2 1427+	311 967+	316 674−	571−
a_4	133 313+	85 670−	607−	21 581−	1 459−	220+
a_5	4 145+	12 440+		1 975−	206+	
	May 10			**May 18**		
a_0	304·1665 740+	25·0665 379−	0·9873 7077+	41·6049 328+	16·3370 492+	0·9088 8940+
a_1	15·2719 843+	2·9409 164+	0·0122 4578−	11·6282 698+	4·6370 165+	0·0050 4381−
a_2	5641 971−	7431 980+	5 0534−	2168 499+	3427 163−	6 3067+
a_3	362 013−	682 587−	1 8846+	205 743+	319 906−	334−
a_4	147 838+	21 389−	1140−	31 897−	482−	297+
a_5	10 131−	8 236+		2 305−	1 139+	
	May 11			**May 19**		
a_0	318·8519 306+	21·4519 976−	0·9747 9671+	53·4672 066+	20·5994 245+	0·9044 8257+
a_1	14·0890 544+	4·2180 919+	0·0127 3673−	12·1097 824+	3·8559 899+	0·0037 6056−
a_2	5942 901−	5338 145+	871−	2571 161+	4378 364−	6 5850+
a_3	127 315+	689 027−	1 4172+	55 791+	309 968−	1544+
a_4	93 097+	19 143+	1248−	44 265−	5 330+	297+
a_5	10 897−	2 533+		1 161−	1 971+	
	May 12			**May 20**		
a_0	332·3676 464+	16·7668 263−	0·9621 8051+	65·8351 416+	23·9873 113+	0·9013 9892+
a_1	12·9704 636+	5·0879 327+	0·0123 7895−	12·6224 690+	2·8904 444+	0·0023 8535−
a_2	5111 432−	3411 083+	3 4206+	2461 213+	5256 525−	7 2245+
a_3	393 164+	589 056−	9117+	131 100−	268 838−	2751+
a_4	38 127+	30 672+	1081−	50 841−	15 556+	232+
a_5	6 491−	755−		1 950+	2 168+	
	May 13			**May 21**		
a_0	344·8694 467+	11·3936 992−	0·9502 2398+	78·6857 328+	26·3269 918+	0·8997 6585+
a_1	12·0781 359+	5·6053 226+	0·0114 6456−	13·0560 242+	1·7657 933+	0·0008 4862−
a_2	3767 994−	1820 294+	5 5164+	1782 395+	5947 957−	8 1856+
a_3	482 885+	474 558−	4772+	312 895−	185 456−	3695+
a_4	6 370+	26 205+	785−	40 827−	26 856+	117+
a_5	2 827−	1 809−		5 624+	1 261+	
	May 14			**May 22**		
a_0	356·6194 260+	5·6513 634−	0·9393 5093+	91·8851 868+	27·4822 555+	0·8997 7390+
a_1	11·4705 392+	5·8365 914+	0·0102 4953−	13·3051 175+	0·5319 360+	0·0009 0403+
a_2	2309 304−	535 709+	6 4869+	655 182+	6330 563−	9 3593+
a_3	481 146+	387 805−	1634+	419 209−	66 391−	4173+
a_4	7 126−	16 857+	462−	11 302−	33 289+	38−
a_5	1 067−	1 744−		6 953+	446−	

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 23			**May 31**		
a_0	105·2134 667+	27·3777 805+	0·9016 5521+	204·3616 749+	8·6568 425−	0·9921 3210+
a_1	13·3093 441+	0·7410 026−	0·0028 9956+	12·9788 357+	6·3405 286−	0·0149 9947+
a_2	600 571−	6334 510−	10 5824+	4262 794+	1182 329+	9 0498−
a_3	396 127−	61 516+	4031+	515 894+	669 663+	2 7056−
a_4	24 630+	30 693+	228−	14 682−	46 483+	227+
a_5	4 703+	1 839−		10 168−	1 693−	
	May 24			**June 1**		
a_0	118·4260 743+	26·0123 640+	0·9056 5104+	217·8158 943+	14·8076 929−	1·0059 5831+
a_1	13·0825 911+	1·9780 921−	0·0051 2787+	13·9752 015+	5·8854 245−	0·0123 8687+
a_2	1594 168−	5984 265−	11 6480+	5620 395+	3453 460+	16 9839−
a_3	252 683−	165 770+	3133+	353 083+	834 967+	2 6200−
a_4	48 034+	20 977+	454−	67 517−	39 207+	1745+
a_5	957+	2 048−		14 778−	8 113−	
	May 25			**June 2**		
a_0	131·3288 792+	23·4543 152+	0·9119 7050+	232·3802 139+	20·2611 654−	1·0164 0224+
a_1	12·7076 412+	3·1178 467−	0·0075 3334+	15·1708 179+	4·9326 235−	0·0082 7397+
a_2	2054 588−	5381 621−	12 3076+	6125 629+	6112 287+	23 7565−
a_3	52 446−	229 678+	1333+	60 236−	906 949+	1 9044−
a_4	51 940+	10 434+	721−	149 134−	2 592−	3074+
a_5	1 580−	1 180−		7 594−	14 894−	
	May 26			**June 3**		
a_0	143·8308 531+	19·8221 996+	0·9207 4071+	248·1418 982+	24·4936 140−	1·0221 4087+
a_1	12·3009 753+	4·1216 825−	0·0100 0600+	16·3144 498+	3·4465 630−	0·0030 7450+
a_2	1916 199−	4641 786−	12 2654+	4973 440+	8667 853+	27 6110−
a_3	139 139+	260 359+	1543−	718 498−	748 859+	6392−
a_4	43 311+	4 504+	1024−	192 373−	82 563−	3544+
a_5	2 182−	121+		17 940+	13 140−	
	May 27			**June 4**		
a_0	155·9582 351+	15·2628 370+	0·9319 4757+	264·8643 992+	27·0080 763−	1·0224 2577+
a_1	11·9757 106+	4·9700 684−	0·0123 7179+	17·0256 288+	1·5279 142−	0·0024 9754−
a_2	1260 790−	3832 453−	11 1784+	1844 805+	1·0287 139+	27 4222−
a_3	290 801+	280 297+	5653−	1299 282−	295 226+	8119+
a_4	32 142+	5 229+	1326−	90 718−	151 858−	2890+
a_5	1 716−	1 349+		35 558+	1 375+	
	May 28			**June 5**		
a_0	167·8399 895+	9·9382 109+	0·9453 6741+	281·9390 645+	27·4928 022−	1·0172 9610+
a_1	11·8227 922+	5·6497 023−	0·0143 8481+	16·9862 779+	0·5580 402+	0·0076 2272−
a_2	212 674−	2946 657−	8 6809+	2240 040−	1·0276 059+	23 2953−
a_3	402 426+	315 226+	1 1012−	1315 525−	291 131−	1 9815+
a_4	23 739+	12 180+	1527−	99 315+	140 444−	1481+
a_5	1 325−	2 250+		18 489+	14 590+	
	May 29			**June 6**		
a_0	179·6839 983+	4·0268 086+	0·9604 9491+	298·5815 663+	25·9488 545−	1·0075 5680+
a_1	11·9098 173+	6·1384 684−	0·0157 2947+	16·1925 549+	2·4770 299+	0·0116 2812−
a_2	1123 864+	1905 340−	4 4634+	5406 534−	8706 665+	16 5075−
a_3	483 708+	386 601+	1 7242−	747 634−	707 021−	2 5657+
a_4	17 701+	23 794+	1456−	186 731+	62 198−	5+
a_5	2 018−	2 544+		7 261+	14 109+	
	May 30			**June 7**		
a_0	191·7561 411+	2·2609 000+	0·9764 8374+	314·1766 511+	22·6766 692−	0·9945 3455+
a_1	12·2857 709+	6·3927 680−	0·0160 4652+	14·9580 104+	3·9884 231+	0·0141 5978−
a_2	2661 155+	577 225−	1 5659−	6602 807−	6353 583+	8 8389−
a_3	532 685+	506 639+	2 3251−	78 000−	818 994−	2 5492+
a_4	8 602+	37 240+	907−	142 601+	8 889+	1022−
a_5	4 813−	1 601+		14 774−	6 370+	

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 8			**June 16**		
a_0	328.4793 636+	18.1332 613−	0.9797 3558+	62.7000 796+	23.2430 379−	0.9009 9051+
a_1	13.6637 072+	5.0201 753+	0.0152 0378−	12.4610 204+	3.1118 822+	0.0025 8480−
a_2	6129 259−	4013 412+	1 8188−	2634 898+	4996 222−	8 1362+
a_3	347 084+	723 213+	2 1228+	65 758−	284 893−	2116−
a_4	66 638+	39 197+	1469−	53 813−	9 458+	246+
a_5	10 181−	358+		639+	2 620+	
	June 9			**June 17**		
a_0	341.5704 989+	12.7801 106−	0.9645 4750+	75.4126 966+	25.8280 164+	0.8992 0063+
a_1	12.5635 511+	5.6217 486+	0.0149 8952−	12.9470 715+	2.0322 626+	0.0010 1120−
a_2	4789 898−	2082 353+	3 6681+	2121 097+	5767 868−	7 6505+
a_3	514 998+	564 335+	1 5243+	272 250+	221 126−	1113−
a_4	16 474+	39 772+	1467−	50 825−	23 144+	301+
a_5	4 644−	2 128−		4 842+	2 172+	
	June 10			**June 18**		
a_0	353.7077 430+	7.0027 957−	0.9500 6256+	88.5400 544+	27.2639 113+	0.8989 4637+
a_1	11.7643 421+	5.8837 633+	0.0138 5730−	13.2717 097+	0.8226 928+	0.0004 9757+
a_2	3192 368−	606 618+	7 3685+	1047 989+	6270 608−	7 4968+
a_3	536 258+	426 778−	9328+	425 621−	107 829−	111+
a_4	5 780−	28 570+	1221−	25 350−	34 397+	289+
a_5	1 588−	2 514−		7 555+	415+	
	June 11			**June 19**		
a_0	5.2057 373+	1.0984 427−	0.9370 2319+	101.8722 214+	27.4522 416+	0.9001 9762+
a_1	11.2836 413+	5.8872 252+	0.0121 5260−	13.3472 570+	0.4498 135−	0.0020 1186+
a_2	1634 070−	527 468−	9 4446+	305 204−	6383 593−	7 7015+
a_3	497 852+	337 387−	4436+	452 189−	32 774+	1290+
a_4	13 122−	15 790+	891−	14 045+	36 264+	212+
a_5	627−	2 070−		6 238+	1 591−	
	June 12			**June 20**		
a_0	16.3743 819+	4.7036 690+	0.9258 5050+	115.1457 675+	26.3708 136+	0.9029 9465+
a_1	11.1006 201+	5.6857 973+	0.0101 6625−	13.1592 918+	1.7029 905−	0.0035 9935+
a_2	225 482−	1465 610−	10 2508+	1515 082−	6083 678−	8 2114+
a_3	438 957+	294 505−	881+	335 880−	161 385+	2158+
a_4	15 957−	5 335+	565−	45 576+	27 715+	71+
a_5	899−	1 342−		2 188+	2 515−	
	June 13			**June 21**		
a_0	27.4946 639+	10.2138 542+	0.9167 1250+	128.1247 396+	24.0781 139+	0.9074 3744+
a_1	11.1803 774+	5.3057 879+	0.0081 1224−	12.7748 321+	2.8614 813−	0.0053 0925+
a_2	986 657+	2330 554−	10 1850+	2227 515−	5458 443−	8 8955+
a_3	365 663+	286 051−	1364−	133 637−	247 345+	2462+
a_4	20 392−	1 481−	281−	55 654+	14 685+	129−
a_5	1 755−	431−		1 244−	2 046−	
	June 14			**June 22**		
a_0	38.8080 586+	15.2577 905+	0.9096 0231+	140.6688 975+	20.6967 868+	0.9136 5957+
a_1	11.4783 726+	4.7530 554+	0.0061 2738−	12.3108 759+	3.8741 137−	0.0071 5705+
a_2	1943 691+	3201 921−	9 6146+	2307 093−	4648 770−	9 5486+
a_3	266 157+	295 632−	2470−	75 824+	286 320+	1963+
a_4	29 473−	3 741−	49−	48 492+	4 327+	386−
a_5	2 486−	689+		2 452−	819+	
	June 15			**June 23**		
a_0	50.5042 201+	19.6607 854+	0.9044 1121+	152.7612 505+	16.3867 789+	0.9217 8726+
a_1	11.9339 262+	4.0228 311+	0.0042 8050−	11.8903 758+	4.7166 488−	0.0091 1025+
a_2	2540 336+	4104 372−	8 8499+	1813 261−	3772 021−	9 8966+
a_3	123 730+	303 020−	2647−	245 477+	296 201+	434+
a_4	42 712−	274−	128+	35 789+	306+	691−
a_5	2 020−	1 881+		2 052−	495+	

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 24			**July 2**		
a_0	164·4982 216+	11·3226 283+	0·9318 8460+	274·2646 309+	27·5097 006−	1·0224 0841+
a_1	11·6146 568+	5·3818 213−	0·0110 7494+	17·1880 198+	0·3327 832−	0·0002 3924−
a_2	882 629−	2876 608−	9 6017+	511 194+	1·0579 174+	27 7089−
a_3	368 528+	303 019+	2329−	1435 274−	81 784+	1072−
a_4	25 543+	2 914+	1025−	20 163−	163 869−	3409+
a_5	1 287−	1 600+		34 443+	6 674+	
	June 25			**July 3**		
a_0	176·0638 940+	5·6838 996+	0·9438 8617+	291·3616 708+	26·7921 074−	1·0194 2163+
a_1	11·5582 633+	5·8642 704−	0·0128 8440+	16·8688 032+	1·7453 872+	0·0056 7669−
a_2	363 390+	1934 030−	8 2788+	3570 336−	9908 944+	26 0130−
a_3	457 883+	331 139+	6452−	1185 791−	501 295−	1 2849+
a_4	19 483+	11 100+	1328−	157 911+	124 198−	2502+
a_5	1 159−	2 400+		7 616+	16 650+	
	June 26			**July 4**		
a_0	187·7061 171+	0·3393 099−	0·9575 2066+	307·7714 138+	24·1167 101−	1·0112 9713+
a_1	11·7755 185+	6·1460 945−	0·0142 9346+	15·8659 483+	3·5354 290+	0·0103 9373−
a_2	1842 457+	849 952−	5 5420+	6105 343−	7826 961+	20 7024−
a_3	523 370+	399 644+	1 1837−	489 902−	833 624−	2 2924+
a_4	14 467+	23 480+	1481−	187 142+	36 887−	1030+
a_5	2 582−	2 614+		13 175−	12 570+	
	June 27			**July 5**		
a_0	199·7194 066+	6·5278 257−	0·9722 3514+	322·9952 342+	19·8843 791−	0·9990 7269+
a_1	12·3055 117+	6·1854 941−	0·0149 8743+	14·5661 761+	4·8422 550+	0·0138 0535−
a_2	3473 697+	516 136−	1 1080+	6584 833−	5230 394+	13 2494−
a_3	553 086+	518 969+	1 7902−	125 883+	860 056−	2 6923+
a_4	2 671+	37 422+	1302−	115 321+	25 459+	339−
a_5	6 552−	1 409+		14 225−	4 435+	
	June 28			**July 6**		
a_0	212·4272 084+	12·6059 263−	0·9871 4132+	336·9256 248+	14·6021 010−	0·9842 0823+
a_1	13·1639 624+	5·9109 080−	0·0146 1977+	13·3259 966+	5·6427 120+	0·0156 6122−
a_2	5083 484+	2311 888+	5 0222−	5657 601−	2847 091+	5 4029−
a_3	494 746+	680 324+	2 3298−	448 342+	716 876−	2 5378+
a_4	29 815−	45 986+	604−	43 709+	46 025+	1200−
a_5	12 769−	2 696−		8 035−	701−	
	June 29			**July 7**		
a_0	226·1447 354+	18·2132 841−	1·0010 1986+	349·7342 630+	8·7418 351−	0·9682 4850+
a_1	14·3107 710+	5·2273 955−	0·0128 9214+	12·3424 504+	6·0151 248+	0·0160 2853−
a_2	6260 518+	4601 969+	12 3356−	4130 530−	965 449+	1 4807+
a_3	246 860+	832 962+	2 5867−	545 622+	540 901−	2 0424+
a_4	97 796−	33 602+	645+	4 614+	41 479+	1511−
a_5	15 041−	10 308−		3 218−	2 547−	
	June 30			**July 8**		
a_0	241·0949 602+	22·8948 572−	1·0124 2624+	1·7183 623+	2·6803 623−	0·9525 5716+
a_1	15·5903 102+	4·0488 329−	0·0096 7483+	11·6802 704+	6·0612 624+	0·0151 8017−
a_2	6262 562+	7198 998+	19 6626−	2498 037−	433 919−	6 7032+
a_3	285 870−	860 994+	2 3278−	533 172+	400 540−	1 4292+
a_4	182 343−	20 571−	2142+	10 595−	28 284+	1440−
a_5	24−	16 519−		1 083−	2 655−	
	July 1			**July 9**		
a_0	257·2647 030+	26·1413 999−	1·0199 2345+	13·2009 784+	3·3000 172−	0·9381 7583+
a_1	16·6841 441+	2·3672 159−	0·0051 2978+	11·3358 356+	5·8643 036+	0·0134 6840−
a_2	4310 719+	9492 432+	25 3267−	972 859−	1492 414−	10 1344+
a_3	999 776−	617 047+	1 4475−	480 172+	313 624−	8498+
a_4	182 127−	109 760−	3260+	15 528−	14 822+	1186−
a_5	29 019+	10 566−		756−	2 077−	

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 10			**July 18**		
a_0	24·4859 170 +	8·9849 916 +	0·9257 9399 +	124·9851 539 +	24·6655 304 +	0·9074 7014 +
a_1	11·2787 258 +	5·4766 251 +	0·0112 3403 −	12·9363 383 +	2·6461 041 −	0·0046 7594 +
a_2	366 952 +	2365 143 −	11 9814 +	2108 352 −	5689 461 −	6 2979 +
a_3	410 146 +	274 600 −	3753 +	218 261 −	239 772 −	1398 −
a_4	19 116 −	4 317 +	885 −	53 987 +	22 070 +	267 +
a_5	1 388 −	1 209 −		208 −	2 401 −	
	July 11			**July 19**		
a_0	35·8403 022 +	14·1979 531 +	0·9157 8679 +	137·6942 088 +	21·4764 242 +	0·9127 6455 +
a_1	11·4668 186 +	4·9223 397 +	0·0087 6054 −	12·4706 778 +	3·7044 367 −	0·0059 0426 +
a_2	1468 784 +	3175 159 −	12 5852 +	2441 456 −	4861 777 −	6 0354 +
a_3	319 313 +	268 784 −	225 +	5 619 −	304 502 +	305 −
a_4	26 186 −	1 856 −	604 −	51 903 +	9 805 +	164 +
a_5	2 258 −	104 −		2 293 −	1 566 −	
	July 12			**July 20**		
a_0	47·4830 861 +	18·7757 025 +	0·9082 8098 +	149·9251 400 +	17·3170 838 +	0·9192 7095 +
a_1	11·8447 660 +	4·2058 798 +	0·0062 6089 −	12·0003 153 +	4·5823 011 −	0·0071 0879 +
a_2	2246 933 +	3993 697 −	12 2981 +	2169 931 −	3905 098 −	6 0369 +
a_3	191 944 +	276 493 −	2176 −	179 004 +	328 729 +	378 +
a_4	38 082 −	2 440 −	363 −	39 761 +	1 983 +	18 −
a_5	2 398 −	1 199 +		2 376 −	383 −	
	July 13			**July 21**		
a_0	59·5676 919 +	22·5544 392 +	0·9032 2451 +	161·7301 010 +	12·3773 057 +	0·9269 8703 +
a_1	12·3353 065 +	3·3238 175 +	0·0038 8107 −	11·6347 471 +	5·2640 992 −	0·0083 2679 +
a_2	2570 142 +	4825 798 −	11 4338 +	1418 147 −	2910 827 −	6 1314 +
a_3	16 686 +	273 605 −	3616 −	314 728 +	333 448 +	325 +
a_4	51 090 −	3 731 +	160 −	27 732 +	170 +	272 −
a_5	631 −	2 352 +		1 622 −	706 +	
	July 14			**July 22**		
a_0	72·1565 090 +	25·3689 249 +	0·9004 4905 +	173·2571 172 +	6·8555 561 +	0·9359 2749 +
a_1	12·8335 934 +	2·2792 455 +	0·0017 0921 −	11·4558 185 +	5·7458 084 −	0·0095 5194 +
a_2	2307 244 +	5600 628 −	10 2581 +	323 765 −	1902 383 −	6 0562 +
a_3	191 791 −	235 019 −	4247 −	409 741 +	341 683 +	753 −
a_4	54 909 −	16 006 +	10 +	19 844 +	3 822 +	575 −
a_5	3 229 +	2 618 +		1 092 −	1 568 +	
	July 15			**July 23**		
a_0	85·1964 798 +	27·0664 681 +	0·8997 2328 +	184·7234 085 +	0·9542 167 +	0·9460 7176 +
a_1	13·2171 600 +	1·0963 245 +	0·0002 1540 +	11·5213 785 +	6·0214 669 −	0·0107 1757 +
a_2	1434 805 +	6183 382 −	8 9942 +	1013 662 +	838 689 −	5 4757 +
a_3	377 075 −	145 478 −	4196 −	477 882 +	372 956 +	3061 −
a_4	38 025 −	29 669 +	148 +	14 892 +	11 870 +	883 −
a_5	6 934 +	1 452 +		1 590 −	2 108 +	
	July 16			**July 24**		
a_0	98·5163 037 +	27·5330 187 +	0·9007 9762 +	196·3952 716 +	5·1124 257 −	0·9572 9746 +
a_1	13·3792 558 +	0·1714 042 −	0·0018 9429 +	11·8726 345 +	6·0715 163 −	0·0116 8552 +
a_2	145 006 +	6427 271 −	7 8272 +	2520 873 +	372 551 +	4 0201 +
a_3	459 691 −	13 449 −	3589 −	520 174 +	441 387 +	6634 −
a_4	1 625 −	37 027 +	246 +	7 785 +	22 879 +	1120 −
a_5	7 224 +	611 −		3 923 −	1 931 +	
	July 17			**July 25**		
a_0	111·8646 510 +	26·7211 842 +	0·9034 4120 +	208·5723 971 +	11·1000 672 +	0·9693 0744 +
a_1	13·2733 084 +	1·4463 895 −	0·0033 6192 +	12·5340 085 +	5·8544 750 −	0·0122 4566 +
a_2	1171 445 −	6251 631 −	6 8996 +	4088 975 +	1853 449 +	1 3565 +
a_3	395 856 −	127 656 +	2585 −	509 417 +	551 090 +	1 1200 −
a_4	35 430 +	33 512 +	291 +	11 058 −	33 522 +	1166 −
a_5	3 817 +	2 179 −		8 560 −	61 +	

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 26			**August 3**		
a_0	221·5642 830 +	16·7107 300 −	0·9815 6508 +	344·5825 825 +	11·0001 498 −	0·9841 6476 +
a_1	13·4959 207 +	5·3050 244 −	0·0121 3422 +	12·9746 797 +	6·0806 621 +	0·0141 6186 −
a_2	5465 076 +	3708 663 +	2 6941 −	4648 486 −	1847 985 +	8 7702 −
a_3	377 070 +	682 990 +	1 5996 −	468 539 +	678 109 −	2 4050 +
a_4	55 108 −	35 184 +	874 −	25 257 +	41 988 +	440 −
a_5	13 227 −	4 747 −		5 544 −	828 −	
	July 27			**August 4**		
a_0	235·6375 846 +	21·5735 453 −	0·9932 6119 +	357·1412 387 +	4·7983 841 −	0·9693 6197 +
a_1	14·6734 052 +	4·3467 021 −	0·0110 8045 +	12·1928 786 +	6·2632 058 +	0·0152 1209 −
a_2	6132 460 +	5921 264 +	7 9949 −	3146 646 −	57 188 +	1 8390 −
a_3	27 062 +	772 424 +	1 9638 −	516 036 +	519 276 −	2 2146 +
a_4	127 383 −	11 458 +	143 −	1 542 −	37 107 +	1073 −
a_5	9 131 −	11 608 −		2 251 −	2 202 −	
	July 28			**August 5**		
a_0	250·9132 905 +	25·2508 938 −	1·0033 4436 +	9·0706 769 +	1·4221 034 +	0·9541 7672 +
a_1	15·8525 201 +	2·9319 452 −	0·0088 8660 +	11·7166 191 +	6·1326 023 +	0·0149 5845 −
a_2	5357 167 +	8190 634 +	13 9378 −	1630 223 −	1300 079 −	4 1543 +
a_3	562 007 −	701 173 +	2 0290 −	488 046 +	392 942 −	1 7742 +
a_4	179 185 −	50 508 −	959 +	12 169 −	25 709 +	1294 −
a_5	11 770 +	13 768 −		1 073 −	2 291 −	
	July 29			**August 6**		
a_0	267·2285 853 +	27·3000 859 −	1·0106 4388 +	20·6717 542 +	7·3877 454 +	0·9397 9818 +
a_1	16·6895 846 +	1·1105 426 −	0·0055 2874 +	11·5315 844 +	5·7638 428 +	0·0136 4713 −
a_2	2714 853 +	9852 756 +	19 4142 −	249 788 −	2347 595 −	8 7021 +
a_3	1150 443 −	366 912 +	1 6389 +	428 582 +	312 705 −	1 2502 +
a_4	112 504 −	124 090 −	2102 +	17 229 −	14 039 +	1238 −
a_5	31 709 +	4 064 −		1 209 −	1 747 −	
	July 30			**August 7**		
a_0	284·0665 316 +	27·4014 771 −	1·0140 8833 +	32·2193 741 +	12·8867 873 +	0·9271 3390 +
a_1	16·8582 646 +	0·9184 297 +	0·0012 3843 +	11·6027 043 +	5·2052 554 +	0·0115 8117 −
a_2	1092 588 −	1·0168 556 +	23 0486 −	920 483 +	3218 974 −	11 7158 +
a_3	1288 415 −	162 395 −	7758 −	347 202 +	273 487 −	7529 +
a_4	58 974 +	142 669 −	2790 +	23 267 −	5 150 +	1051 −
a_5	22 135 +	9 907 +		1 891 −	832 −	
	July 31			**August 8**		
a_0	300·6948 067 +	25·4957 072 −	1·0129 7221 +	43·9463 312 +	17·7432 284 +	0·9167 8910 +
a_1	16·2878 525 +	2·8513 136 −	0·0034 9230 −	11·8807 089 +	4·4810 598 +	0·0090 5417 −
a_2	4382 872 −	8925 170 +	23 7058 −	1803 509 +	4016 874 −	13 3508 +
a_3	844 604 −	631 464 −	3680 +	235 042 +	260 522 −	3327 +
a_4	167 949 +	87 987 −	2669 +	33 121 −	887 +	834 −
a_5	2 410 −	14 108 +		2 255 −	351 +	
	August 1			**August 9**		
a_0	316·4764 654 +	21·8224 110 −	1·0071 7282 +	56·0273 576 +	21·7966 723 +	0·9090 9494 +
a_1	15·2238 591 +	4·4187 620 +	0·0080 1622 −	12·2975 487 +	3·6000 596 +	0·0063 1757 −
a_2	5934 185 −	6644 222 +	21 0273 −	2287 228 +	4789 610 −	13 8545 +
a_3	203 367 −	845 035 −	1 4540 +	80 632 +	252 775 −	0 −
a_4	148 308 +	15 489 −	1797 +	45 235 −	2 694 +	636 −
a_5	13 298 −	9 040 +		1 225 −	1 567 +	
	August 2			**August 10**		
a_0	331·1000 702 +	16·8243 753 −	0·9972 1723 +	68·5570 464 +	24·8929 195 +	0·9041 5646 +
a_1	14·0286 882 +	5·4924 129 +	0·0117 1359 −	12·7604 811 +	2·5681 673 +	0·0035 7210 −
a_2	5787 875 −	4106 467 +	15 6237 −	2245 344 +	5516 048 −	13 4782 +
a_3	258 083 +	820 132 −	2 1748 +	110 823 −	225 936 −	2535 −
a_4	78 803 +	28 954 +	602 +	52 152 −	10 873 +	466 −
a_5	10 771 −	2 836 +		1 789 +	2 266 +	

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 11			**August 19**		
a_0	81·5259 432+	26·8882 024+	0·9019 0218+	182·0165 985+	2·1588 597+	0·9450 9046+
a_1	13·1563 405+	1·4026 587+	0·0009 7115−	11·5507 461+	6·0524 374−	0·0084 6325+
a_2	1617 868+	6105 883−	12 4427+	465 504+	941 894−	1 0258+
a_3	299 464−	160 039−	4396−	427 351+	402 037+	1438−
a_4	43 003−	22 725+	316−	14 150+	7 652+	6−
a_5	5 503+	1 831+		1 478−	1 201+	
	August 12			**August 20**		
a_0	94·8103 742+	27·6667 245+	0·9021 2816+	193·6578 973+	3·9466 781−	0·9536 4185+
a_1	13·3756 272+	0·1434 744+	0·0013 7284+	11·7769 716+	6·1165 437−	0·0086 2505+
a_2	516 681+	6431 295−	10 9387+	1817 753+	322 190+	5826+
a_3	415 625+	51 679−	5661−	468 304+	444 688+	1451−
a_4	14 099−	32 167+	171−	7 343+	13 953+	275−
a_5	6 997+	323+		2 924−	1 266+	
	August 13			**August 21**		
a_0	108·1953 968+	27·1651 504+	0·9045 3656+	205·6639 165+	9·9850 122−	0·9623 0789+
a_1	13·3521 326+	1·1452 617−	0·0033 8391+	12·2824 849+	5·9124 863−	0·0086 8703+
a_2	744 649−	6390 126−	9 1424+	3237 556+	1752 726+	259−
a_3	403 261−	79 320+	6346−	466 605+	512 586+	2565−
a_4	22 125+	33 573+	23−	6 681−	20 894+	542−
a_5	4 862+	1 274−		6 077−	318+	
	August 14			**August 22**		
a_0	121·4354 371+	25·3920 379+	0·9087 7101+	218·3155 417+	15·6688 462−	0·9709 6125+
a_1	13·0935 014+	2·3866 999−	0·0050 2108+	13·0642 630+	5·3996 524−	0·0085 8319+
a_2	1773 080−	5963 537−	7 2294+	4536 433+	3419 163+	1 1260−
a_3	268 316−	200 463+	6434−	377 050+	597 686+	4777−
a_4	46 383+	26 751+	125+	37 546−	23 414+	719−
a_5	1 066+	1 975−		9 805−	2 505−	
	August 15			**August 23**		
a_0	134·3295 438+	22·4315 082+	0·9144 5194+	231·8664 178+	20·6647 227−	0·9793 7688+
a_1	12·6774 740+	3·5095 550−	0·0062 7893+	14·0647 453+	4·5284 061−	0·0081 8586+
a_2	2289 204−	5221 429−	5 3778+	5343 731+	5327 722+	2 9903−
a_3	73 692−	287 889+	5924−	129 510+	663 634+	7730−
a_4	50 831+	16 573+	251+	90 103−	11 343+	710−
a_5	1 620−	1 666−		8 995−	7 195−	
	August 16			**August 24**		
a_0	146·7756 493+	18·4300 901+	0·9212 1192+	246·4685 773+	24·5935 785−	0·9871 7931+
a_1	12·2170 473+	4·4616 766−	0·0071 8681+	15·1318 197+	3·2628 353−	0·0073 2744+
a_2	2221 612−	4274 985−	3 7533+	5100 929+	7314 476+	5 7266+
a_3	112 973+	337 989+	4899−	313 744−	635 331+	1 0665−
a_4	41 973+	8 177+	325+	140 373−	26 395−	431−
a_5	2 343−	859−		3 344+	10 458−	
	August 17			**August 25**		
a_0	158·7857 956+	13·5754 457+	0·9287 2832+	262·0654 126+	27·0651 183−	0·9938 2314+
a_1	11·8222 349+	5·2124 347−	0·0078 0351+	16·0034 247+	1·6251 233−	0·0058 4492+
a_2	1654 338−	3220 532−	2 4782+	3351 155+	8957 010+	9 1668−
a_3	257 652+	362 607+	3568−	832 059−	427 391+	1 2470−
a_4	29 956+	3 946+	315+	121 864−	82 264−	135+
a_5	1 899−	9−		21 272+	6 658−	
	August 18			**August 26**		
a_0	170·4711 676+	8·0776 122+	0·9367 4713+	278·3106 879+	27·7606 937+	0·9986 2803+
a_1	11·5796 967+	5·7461 842−	0·0082 0473+	16·3859 304+	0·2582 726+	0·0036 4283+
a_2	720 629−	2109 106−	1 5932+	337 916+	9678 907+	12 8040−
a_3	358 780+	378 721+	2275−	1105 874−	37 239+	1 1955−
a_4	20 538+	4 000+	203+	5 560−	116 348−	879+
a_5	1 348−	702+		23 023+	3 252+	

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 27				**September 4**		
a_0	294·6215 688 +	26·5421 160 −	1·0008 7971 +		39·7439 816 +	16·3495 526 +	0·9271 7325 +
a_1	16·1310 203 +	2·1603 199 +	0·0007 5860 +		11·9815 276 +	4·8517 111 +	0·0109 2192 −
a_2	2782 345 −	9125 486 +	15 8419 −		1460 331 +	3988 649 −	9 7792 +
a_3	907 044 −	391 857 −	8370 −		246 308 +	284 786 −	1 0612 +
a_4	113 008 +	97 037 −	1561 +		29 861 −	7 796 +	950 −
a_5	6 095 +	9 911 +			1 999 −	160 −	
	August 28				**September 5**		
a_0	310·3955 605 +	23·5171 458 −	0·9999 8604 +		51·8929 871 +	20·7746 839 +	0·9173 2588 +
a_1	15·3506 730 +	3·8339 999 +	0·0025 9834 −		12·3345 430 +	3·9715 853 +	0·0086 8570 −
a_2	4765 191 −	7467 159 +	17 4059 −		1999 989 +	4797 830 −	12 3954 +
a_3	402 105 −	681 227 −	1978 −		107 332 +	254 627 −	6797 +
a_4	138 556 +	45 006 −	1897 +		40 521 −	6 991 +	871 −
a_5	8 008 −	9 092 +			1 246 −	838 +	
	August 29				**September 6**		
a_0	325·2425 585 +	19·0081 441 −	0·9956 4630 +		64·4340 854 +	24·2418 063 +	0·9099 3898 +
a_1	14·3284 186 +	5·1096 026 +	0·0060 6288 −		12·7499 116 +	2·9388 470 +	0·0060 3755 −
a_2	5220 853 −	5244 400 +	16 8659 −		2066 283 +	5511 360 −	13 9149 +
a_3	70 557 +	772 653 −	5775 +		65 831 −	217 892 −	3311 +
a_4	94 460 +	711 +	1732 +		47 475 −	11 400 +	770 −
a_5	10 188 −	4 936 +			1 159 +	1 540 +	
	August 30				**September 7**		
a_0	339·0643 747 +	13·4508 022 −	0·9879 7190 +		77·3794 106 +	26·6090 220 +	0·9053 1833 +
a_1	13·3381 087 +	5·9294 349 +	0·0091 9347 −		13·1250 118 +	1·7765 371 +	0·0031 8603 −
a_2	4544 431 −	2979 970 −	14 1125 −		1595 516 +	6081 184 −	14 4492 +
a_3	348 422 +	722 490 −	1 2805 +		242 305 −	156 961 −	238 +
a_4	42 716 +	24 750 +	1138 +		41 694 −	19 487 +	680 −
a_5	6 707 −	1 407 +			4 422 +	1 433 +	
	August 31				**September 8**		
a_0	351·9864 835 +	7·2930 036 −	0·9775 0661 +		90·6360 163 +	27·7638 366 +	0·9035 7280 +
a_1	12·5474 861 +	6·3192 831 +	0·0115 8629 −		13·3569 591 +	0·5217 220 +	0·0003 1626 −
a_2	3309 865 −	974 979 +	9 6117 −		662 798 +	6420 780 −	14 1149 +
a_3	454 140 +	610 597 −	1 7367 +		363 854 −	65 236 −	2477 −
a_4	9 741 +	31 191 +	370 +		18 556 −	26 916 +	607 −
a_5	3 348 −	584 −			6 223 +	456 +	
	September 1				**September 9**		
a_0	4·2490 364 +	0·9342 217 +	0·9651 3651 +		104·0216 365 +	27·6396 941 +	0·9046 3719 +
a_1	12·0239 799 +	6·3432 828 +	0·0129 7287 +		13·3760 501 +	0·7710 119 −	0·0024 0812 +
a_2	1922 396 −	675 577 +	4 2008 −		477 714 −	6450 447 −	13 0098 +
a_3	460 600 +	492 177 −	1 8784 +		376 544 −	46 318 +	4908 −
a_4	6 397 −	27 858 +	308 −		13 713 +	29 096 +	536 −
a_5	1 660 −	1 405 −			4 961 +	730 −	
	September 2				**September 10**		
a_0	16·1260 310 +	5·2949 310 +	0·9519 2832 +		117·3141 283 +	26·2311 060 +	0·9082 9186 +
a_1	11·7742 924 +	6·0709 547 +	0·0132 6188 −		13·1755 062 +	2·0359 327 −	0·0048 4140 +
a_2	595 535 −	1999 060 −	1 2357 +		1475 439 −	6144 256 −	11 2187 +
a_3	418 611 +	394 844 −	1 7466 +		273 869 −	155 064 +	7066 −
a_4	14 349 −	20 545 +	747 −		38 720 +	25 120 +	442 −
a_5	1 344 −	1 472 −			1 763 +	1 322 +	
	September 3				**September 11**		
a_0	27·8810 617 +	11·1284 025 +	0·9389 5719 +		130·3187 520 +	23·5986 338 +	0·9141 8006 +
a_1	11·7743 565 +	5·5601 720 +	0·0125 2070 −		12·8146 241 +	3·2088 778 −	0·0068 5551 +
a_2	560 765 +	3075 076 −	6 0209 +		2047 196 −	5541 600 −	8 8387 +
a_3	347 578 +	327 113 −	1 4404 +		102 902 −	242 415 +	8852 −
a_4	20 992 −	12 976 +	938 −		46 893 +	18 265 +	295 −
a_5	1 717 −	1 007 −			950 −	1 137 −	

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 12			**September 20**		
a_0	142·9229 606+	19·8615 503+	0·9218 2797+	243·0738 784+	24·0180 590−	0·9832 4680+
a_1	12·3925 954+	4·2377 351−	0·0083 4586+	14·8707 594+	3·5769 160−	0·0037 4105+
a_2	2084 156−	4716 138−	6 0126+	4608 883+	7055 913+	6 0895−
a_3	74 538+	304 429+	1 0053−	259 973−	592 140+	365+
a_4	41 420+	12 542+	82−	120 433−	28 561+	316−
a_5	2 032−	555−		2 293+	8 037−	
	September 13			**September 21**		
a_0	155·1185 330+	15·1838 430+	0·9306 7374+	258·3677 147+	26·8338 296−	0·9863 7939+
a_1	12·0136 774+	5·0848 941−	0·0092 4350+	15·6675 332+	2·0035 308−	0·0025 2143+
a_2	1632 406−	3733 134−	2 9555+	3129 423+	8580 239+	6 1725−
a_3	219 960+	349 364+	1 0392−	710 743+	399 243−	960−
a_4	30 898+	9 855+	181+	108 054−	71 277−	411−
a_5	1 910−	7+		16 958+	5 107−	
	September 14			**September 22**		
a_0	166·9938 645+	9·7615 582+	0·9401 1069+	274·2680 064+	27·9470 506−	0·9882 6986+
a_1	11·7645 883+	5·7227 655−	0·0095 3009+	16·0454 554+	0·1987 660−	0·0012 4165+
a_2	806 252−	2625 817−	452−	519 513+	9299 147+	6 7038−
a_3	324 666+	389 070+	9655−	971 728−	67 166+	2673−
a_4	21 363+	10 003+	445+	15 697−	97 467−	300−
a_5	1 518−	376+		20 046+	2 266+	
	September 15			**September 23**		
a_0	178·7122 787+	3·8161 558+	0·9495 4416+	290·2686 753+	27·2187 054−	0·9888 1141+
a_1	11·7085 241+	6·1270 186−	0·0092 4921+	15·8615 702+	1·6433 652+	0·0001 9132−
a_2	280 782+	1394 804−	2 6691−	2288 857−	8938 810+	7 6764−
a_3	394 864+	432 932+	7838−	840 914+	297 081−	3925−
a_4	14 051+	12 010+	631+	88 274+	83 969−	1+
a_5	1 624−	524+		7 380+	7 498+	
	September 16			**September 24**		
a_0	190·4896 101+	2·4057 966−	0·9584 5439+	305·8268 338+	24·7188 143−	0·9878 1323+
a_1	11·8879 469+	6·2710 340−	0·0085 0552+	15·1905 101+	3·3121 641+	0·0018 4429−
a_2	1533 503+	18 670−	4 6409−	4208 631−	7619 012+	8 8405−
a_3	434 138+	486 103+	5260−	421 215−	558 072−	3934−
a_4	6 386+	14 851+	668+	121 871+	44 540−	410+
a_5	2 824−	356−		5 337−	7 162+	
	September 17			**September 25**		
a_0	202·5746 775+	8·6285 665−	0·9664 4991+	320·5660 126+	20·7042 941−	0·9850 4965+
a_1	12·3260 285+	6·1228 194−	0·0074 4632+	14·2684 948+	4·6543 064+	0·0037 1399−
a_2	2846 053+	1532 377+	5 8220−	4794 965−	5749 209+	9 7632−
a_3	430 002+	548 545+	2532−	10 757+	666 313−	2262−
a_4	7 291−	17 058+	531+	91 547+	8 482−	788+
a_5	5 384−	501−		8 745−	4 111+	
	September 18			**September 26**		
a_0	215·2270 440+	14·5416 379−	0·9732 9403+	334·3643 669+	15·5421 352−	0·9803 4460+
a_1	13·0186 283+	5·6452 102−	0·0062 2722+	13·3449 779+	5·6029 140+	0·0057 0293−
a_2	4038 398+	3275 445+	6 2714−	4301 033−	3740 408+	9 9625−
a_3	345 422+	610 521+	376−	290 677+	660 642−	962+
a_4	34 652−	15 176+	257+	46 723+	11 557+	998+
a_5	8 281−	2 621−		6 469−	1 512+	
	September 19			**September 27**		
a_0	228·6797 610+	19·7969 959−	0·9788 9292+	347·3123 347+	9·6299 377+	0·9736 6501+
a_1	13·9119 349+	4·8022 083−	0·0049 7196+	12·5874 328+	6·1581 802+	0·0076 2662−
a_2	4783 527+	5171 897+	6 2396−	3213 320−	1842 871+	9 0764−
a_3	124 630+	643 152+	650+	414 527+	600 122−	5034+
a_4	78 844−	2 323+	62−	14 640+	18 646+	960+
a_5	7 486−	5 919−		3 578−	116+	

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 28				**October 6**		
a_0	359·6209 944 +	3·3456 064 −	0·9651 9070 +		99·5347 679 +	27·9729 272 +	0·9038 7089 +
a_1	12·0731 961 +	6·3542 336 +	0·0092 5243 −		13·3885 924 +	0·3441 773 −	0·0002 2181 +
a_2	1917 608 −	155 501 +	6 9979 −		417 640 −	6479 665 −	14 6219 +
a_3	438 287 +	524 715 −	8936 +		371 521 −	39 287 +	822 +
a_4	2 743 −	18 959 +	698 +		12 041 +	27 012 +	725 −
a_5	1 937 −	465 −			4 973 +	1 035 −	
	September 29				**October 7**		
a_0	11·5457 904 +	2·9735 552 +	0·9553 3481 +		112·8461 456 +	26·9873 098 +	0·9055 5587 +
a_1	11·8190 951 +	6·2352 701 +	0·0103 5601 −		13·2009 077 +	1·6180 372 −	0·0031 4186 +
a_2	638 538 −	1309 571 −	3 9104 −		1410 201 −	6210 133 −	14 4322 +
a_3	408 200 +	453 608 −	1 1746 +		275 355 −	136 779 +	2075 −
a_4	12 072 −	16 464 +	312 +		37 155 +	21 482 +	770 −
a_5	1 520 −	595 −			1 906 +	1 383 −	
	September 30				**October 8**		
a_0	23·3404 925 +	9·0340 944 +	0·9447 0835 +		125·8824 037 +	24·7639 471 +	0·9101 1250 +
a_1	11·8082 586 +	5·8435 624 +	0·0107 7323 −		12·8520 727 +	2·8111 282 −	0·0059 3524 +
a_2	498 434 +	2577 582 −	2112 −		1994 377 −	5684 765 −	13 3463 +
a_3	344 566 +	393 582 −	1 2977 +		109 236 −	209 134 +	5163 −
a_4	19 588 −	13 330 +	73 −		46 085 +	14 318 +	811 −
a_5	1 791 −	392 −			789 −	923 −	
	October 1				**October 9**		
a_0	35·2309 132 +	14·5818 341 +	0·9340 4304 +		138·5286 447 +	21·4065 953 +	0·9173 2262 +
a_1	12·0025 845 +	5·2151 078 +	0·0104 2910 −		12·4384 646 +	3·8800 745 −	0·0084 1714 +
a_2	1396 649 +	3682 294 −	3 6288 +		2053 582 −	4980 689 −	11 3109 +
a_3	248 187 +	343 893 −	1 2649 +		66 520 +	257 654 +	8434 −
a_4	28 796 −	11 234 +	371 −		41 431 +	9 674 +	803 −
a_5	2 019 −	115 +			1 916 −	83 −	
	October 2				**October 10**		
a_0	47·3948 997 +	19·3954 581 +	0·9240 9958 +		150·7723 546 +	17·0551 764 +	0·9267 7848 +
a_1	12·3438 433 +	4·3800 330 +	0·0093 3875 −		12·0633 187 +	4·7950 870 −	0·0103 9414 +
a_2	1948 141 +	4645 426 −	7 1949 +		1624 662 −	4150 487 −	8 3027 +
a_3	113 249 +	297 433 −	1 1128 +		213 088 +	295 956 +	1 1693 −
a_4	39 528 −	11 784 +	555 −		31 473 +	9 393 +	681 −
a_5	1 283 −	780 +			1 830 −	664 +	
	October 3				**October 11**		
a_0	59·9408 010 +	23·2824 616 +	0·9155 8606 +		162·6974 803 +	11·8756 419 +	0·9378 7915 +
a_1	12·7509 963 +	3·3668 219 +	0·0075 8813 −		11·8139 875 +	5·5323 081 −	0·0116 7662 +
a_2	2037 779 +	5459 197 −	10 1977 +		814 869 −	3199 589 −	4 3953 +
a_3	56 363 −	242 261 −	8885 +		320 887 +	340 395 +	1 4480 −
a_4	46 650 −	15 863 +	643 −		22 299 +	12 916 +	387 −
a_5	1 031 +	1 211 +			1 445 −	1 061 +	
	October 4				**October 12**		
a_0	72·8853 768 +	26·0808 451 +	0·9091 0012 +		174·4641 549 +	6·0588 120 +	0·9498 4664 +
a_1	13·1235 019 +	2·2092 546 +	0·0053 0776 −		11·7554 765 +	6·0644 111 −	0·0121 0580 +
a_2	1599 079 +	6078 647 −	12 4763 +		267 166 +	2090 267 −	1656 −
a_3	230 866 −	166 853 −	6303 +		395 565 +	402 624 +	1 6080 −
a_4	41 537 −	22 243 +	676 −		15 350 +	18 448 +	94 +
a_5	4 221 +	955 +			1 560 −	1 006 +	
	October 5				**October 13**		
a_0	86·1419 685 +	27·6678 696 +	0·9050 9626 +		186·2872 835 +	0·1724 180 −	0·9617 7604 +
a_1	13·3595 560 +	0·9528 429 +	0·0026 5046 −		11·9329 376 +	6·3537 957 −	0·0115 9406 +
a_2	699 603 +	6436 173 −	13 9607 +		1530 429 +	761 598 −	4 9147 −
a_3	353 773 −	68 880 −	3598 +		440 644 +	486 109 +	1 5715 −
a_4	19 471 −	27 211 +	695 −		8 064 +	23 772 +	685 +
a_5	6 075 +	9 −			2 806 −	395 +	

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

October 14

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	198·4178 541 +	6·5513 458 −	0·9727 2834 +
a_1	12·3730 356 +	6·3505 781 −	0·0101 6710 +
a_2	2872 746 +	843 375 +	9 2020 −
a_3	443 258 +	584 294 +	1 2921 −
a_4	5 445 −	26 186 +	1213 +
a_5	5 559 −	1 033 −	

October 22

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	317·1473 128 +	21·8537 375 −	0·9795 3385 +
a_1	14·2702 587 +	4·3107 909 +	0·0059 5480 −
a_2	5110 986 −	5897 132 +	3 8099 −
a_3	20 934 +	644 969 −	3235 +
a_4	96 060 +	869 −	443 −
a_5	9 465 −	3 465 +	

October 15

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	211·1213 898 +	12·7566 417 −	0·9818 5816 +
a_1	13·0756 012 +	5·9966 599 −	0·0079 8766 +
a_2	4114 190 +	2743 132 +	12 3423 −
a_3	364 067 +	677 177 +	7956 −
a_4	33 627 −	21 586 +	1478 +
a_5	8 876 −	3 656 −	

October 23

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	330·9172 258 +	17·0174 709 −	0·9732 2599 +
a_1	13·2880 361 +	5·2981 077 +	0·0066 3745 −
a_2	4566 647 −	3991 540 +	3 0969 −
a_3	311 959 +	615 515 −	1439 +
a_4	47 651 +	15 681 +	178 −
a_5	6 744 −	517 +	

October 16

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	224·6405 663 +	18·4094 778 −	0·9885 4682 +
a_1	13·9897 711 +	5·2380 781 −	0·0053 3971 +
a_2	4915 418 +	4867 630 +	13 8456 −
a_3	141 253 +	724 964 +	1919 −
a_4	80 974 −	3 392 +	1365 +
a_5	8 448 −	7 173 −	

October 24

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	343·7838 837 +	11·3801 409 −	0·9662 9146 +
a_1	12·4839 864 +	5·9182 905 +	0·0072 2078 −
a_2	3412 262 −	2244 155 +	2 7632 −
a_3	436 923 +	548 361 −	731 +
a_4	14 301 +	17 647 +	115 +
a_5	3 557 −	706 −	

October 17

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	239·1270 623 +	23·0886 747 −	0·9924 9643 +
a_1	14·9786 289 +	4·0492 946 −	0·0025 6767 +
a_2	4768 170 +	6990 910 +	13 6159 −
a_3	261 106 −	665 902 +	3623 +
a_4	127 935 −	34 070 −	921 +
a_5	1 925 +	8 929 −	

October 25

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	355·9714 106 +	5·2905 769 −	0·9588 0282 +
a_1	11·9365 547 +	6·2093 188 +	0·0077 4688 −
a_2	2051 189 −	697 844 +	2 4678 −
a_3	459 562 +	484 942 −	1220 +
a_4	2 923 −	13 799 +	350 +
a_5	1 814 −	865 −	

October 18

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	254·5437 966 +	26·3765 881 −	0·9937 4795 +
a_1	15·8037 372 +	2·4694 300 −	0·0000 0995 −
a_2	3236 601 +	8694 504 +	11 9942 −
a_3	744 675 −	442 685 +	7320 +
a_4	117 508 −	81 514 −	331 +
a_5	18 244 +	4 866 −	

October 26

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	7·7483 289 +	0·9413 255 +	0·9508 2486 +
a_1	11·6621 097 +	6·2084 926 +	0·0081 8983 −
a_2	708 136 −	682 861 −	1 8883 −
a_3	429 972 +	438 212 −	2661 +
a_4	11 623 −	9 322 +	468 +
a_5	1 428 −	551 −	

October 19

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	270·5868 002 +	27·9409 372 −	0·9926 1509 +
a_1	16·1897 778 +	0·6327 526 −	0·0021 7597 −
a_2	481 167 +	9484 766 +	9 6157 −
a_3	1030 344 −	72 718 +	8596 +
a_4	17 777 −	106 226 −	194 −
a_5	21 853 +	3 685 +	

October 27

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	19·3813 170 +	7·0385 877 +	0·9424 7749 +
a_1	11·6441 100 +	5·9439 103 +	0·0084 6890 −
a_2	497 766 +	1947 099 +	8094 −
a_3	369 001 +	406 119 −	4575 +
a_4	18 649 −	6 461 +	454 +
a_5	1 847 −	24 −	

October 20

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	286·7220 679 +	27·6281 954 −	0·9895 6156 +
a_1	15·9807 080 +	1·2453 742 +	0·0038 4904 −
a_2	2497 412 −	9102 814 +	7 1632 −
a_3	890 534 −	312 370 −	7741 +
a_4	95 636 +	85 024 −	512 −
a_5	7 759 +	8 901 +	

October 28

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	31·1100 543 +	12·7478 199 +	0·9339 7794 +
a_1	11·8459 801 +	5·4352 281 +	0·0084 7537 −
a_2	1474 370 +	3126 942 −	8315 +
a_3	275 730 +	380 104 −	6417 +
a_4	28 102 −	6 265 +	331 +
a_5	2 322 −	658 +	

October 21

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	302·3743 207 +	25·5113 890 −	0·9850 6848 +
a_1	15·2561 838 +	2·9426 658 +	0·0050 6997 −
a_2	4518 161 −	7744 881 +	5 1502 −
a_3	438 245 −	564 136 −	5617 +
a_4	130 599 +	38 386 −	582 −
a_5	6 109 −	7 497 +	

October 29

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	43·1280 019 +	17·8330 356 +	0·9256 5320 +
a_1	12·2111 715 +	4·6986 439 +	0·0081 0332 −
a_2	2109 619 +	4223 090 −	2 9495 +
a_3	140 445 +	348 051 −	7751 +
a_4	40 383 −	9 573 +	148 +
a_5	1 838 −	1 373 +	

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
	October 30		
a_0	55.5599 577+	22.0756 600+	0.9179 2381+
a_1	12.6581 593+	3.7541 267+	0.0072 7499−
a_2	2270 143+	5196 041−	5 3574+
a_3	38 086−	295 820−	8339+
a_4	50 440−	16 675+	45−
a_5	507+	1 745+	
	October 31		
a_0	68.4363 293+	25.2824 427+	0.9112 6750+
a_1	13.0808 436+	2.6337 146+	0.0059 5517−
a_2	1858 271+	5965 941−	7 8265+
a_3	232 675−	211 952−	8148+
a_4	48 138−	25 810+	217−
a_5	4 226+	1 263+	
	November 1		
a_0	81.6753 414+	27.3010 753+	0.9061 7429+
a_1	13.3655 558+	1.3878 947+	0.0041 5410−
a_2	913 814+	6434 273−	10 1364+
a_3	381 539−	96 868−	7272+
a_4	25 983−	32 375+	358−
a_5	6 788+	118−	
	November 2		
a_0	95.0922 053+	28.0390 817+	0.9031 0298+
a_1	13.4268 570+	0.0848 693+	0.0019 2295−
a_2	318 618−	6531 834−	12 0997+
a_3	418 071−	30 625+	5839+
a_4	9 403+	31 582+	480−
a_5	5 900+	1 582−	
	November 3		
a_0	108.4469 236+	27.4768 302+	0.9024 4359+
a_1	13.2444 193+	1.2004 684−	0.0006 5298+
a_2	1457 361−	6266 350−	13 5597+
a_3	323 410−	140 820+	3924+
a_4	39 328+	23 187+	604−
a_5	2 407+	2 130−	
	November 4		
a_0	121.5174 392+	25.6659 145+	0.9044 8575+
a_1	12.8728 548+	2.4032 822−	0.0034 5852+
a_2	2167 665−	5726 122−	14 3704+
a_3	143 878−	212 582+	1519+
a_4	50 681+	12 171+	748−
a_5	828−	1 558−	
	November 5		
a_0	134.1641 251+	22.7123 395+	0.9093 8902+
a_1	12.4160 154+	3.4806 414−	0.0063 4825+
a_2	2303 625−	5030 942−	14 3718+
a_3	49 767+	246 344+	1468−
a_4	45 678+	4 297+	919−
a_5	2 176−	401−	
	November 6		
a_0	146.3591 048+	18.7536 279+	0.9171 5059+
a_1	11.9874 036+	4.4114 070−	0.0091 4183+
a_2	1902 098−	4270 123−	13 3748+
a_3	210 788+	260 190+	5151−
a_4	34 329+	2 390+	1092−
a_5	1 994−	762+	

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
	November 7		
a_0	158.1806 109+	13.9415 428+	0.9275 6746+
a_1	11.6829 557+	5.1860 366−	0.0116 1855+
a_2	1083 718−	3467 564−	11 1710+
a_3	328 517+	277 881+	9556−
a_4	24 308+	6 370+	1201−
a_5	1 339−	1 643+	
	November 8		
a_0	169.7903 434+	8.4373 392+	0.9401 9555+
a_1	11.5738 209+	5.7928 150−	0.0135 1800+
a_2	34 316+	2579 233−	7 5860+
a_3	412 467+	320 058+	1 4439−
a_4	17 875+	14 813+	1132−
a_5	1 114−	2 110+	
	November 9		
a_0	181.4105 186+	2.4202 990+	0.9543 1644+
a_1	11.7110 158+	6.2056 641−	0.0145 5668+
a_2	1367 900+	1509 018−	2 5870+
a_3	472 255+	400 300+	1 9086−
a_4	12 875+	25 734+	752−
a_5	2 060−	1 936+	
	November 10		
a_0	193.3066 314+	3.8934 699−	0.9689 3345+
a_1	12.1303 887+	6.3761 179−	0.0144 7135+
a_2	2841 424+	134 259−	3 5665−
a_3	501 478+	521 797+	2 2215−
a_4	3 401+	36 059+	11+
a_5	4 934−	613+	
	November 11		
a_0	205.7711 569+	10.2271 667−	0.9828 2612+
a_1	12.8480 047+	6.2317 041−	0.0130 9203+
a_2	4316 966+	1653 763+	10 1921−
a_3	463 049+	670 254+	2 2219−
a_4	20 880−	40 085+	1054+
a_5	9 705−	2 632−	
	November 12		
a_0	219.0941 046+	16.2227 239−	0.9946 8730+
a_1	13.8371 053+	5.6851 634−	0.0104 2926+
a_2	5483 416+	3878 817+	16 1949−
a_3	281 039+	801 180+	1 7914−
a_4	71 789−	27 614+	2044+
a_5	12 639−	8 028−	
	November 13		
a_0	233.4992 126+	21.4379 290−	1.0033 3838+
a_1	14.9830 752+	4.6620 195−	0.0067 3476+
a_2	5768 432+	6367 544+	20 3271−
a_3	127 398−	828 795+	9522−
a_4	141 723−	13 996+	2549+
a_5	4 231−	12 748−	
	November 14		
a_0	249.0317 959+	25.3829 891−	1.0079 7070+
a_1	16.0397 623+	3.1518 412−	0.0024 8575+
a_2	4493 186+	8641 841+	21 6615−
a_3	724 277−	647 106+	912+
a_4	165 815−	82 159−	2318+
a_5	18 064+	9 882−	

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 15				November 23		
a_0	265·4336 741+	27·6151 397−	1·0083 2259+		16·3349 974+	5·5028 448+	0·9388 8023+
a_1	16·6638 359+	1·2671 322−	0·0017 2639−		11·4445 878+	5·9301 434+	0·0086 9301−
a_2	1507 617+	9991 077+	20 0229−		202 634+	1586 936−	3 8995+
a_3	1200 376−	226 374+	1 0325+		420 750+	366 583−	74+
a_4	64 765−	133 755−	1474+		17 934−	3 606+	29−
a_5	30 434+	2 271+			1 585−	645−	
	November 16				November 24		
a_0	282·1248 012+	27·8736 752−	1·0047 1189+		27·8399 718+	11·2379 324+	0·9305 7762+
a_1	16·5945 402+	0·7466 399+	0·0053 6227−		11·6033 728+	5·5039 024+	0·0079 1204−
a_2	2176 478−	9890 921+	16 0737−		1341 411+	2671 519−	3 9111+
a_3	1163 485−	280 418−	1 6216+		332 717+	358 015−	14−
a_4	96 464+	118 591−	416+		25 950−	268+	188+
a_5	14 654+	12 161+			2 413−	373+	
	November 17				November 25		
a_0	298·3964 568+	26·1766 279−	0·9979 0857+		39·6079 211+	16·4389 455+	0·9230 5844+
a_1	15·8560 889+	2·5993 423+	0·0080 7393−		11·9598 834+	4·8624 890+	0·0071 2270−
a_2	4942 228−	8460 303+	10 9862−		2159 634+	3740 236−	4 0237+
a_3	642 881−	633 435−	1 7775+		204 726+	352 560−	770+
a_4	165 308+	53 831−	458−		38 596−	2 110+	313+
a_5	6 495−	11 354+			2 577−	1 514+	
	November 18				November 26		
a_0	313·7099 160+	22·7988 463−	0·9889 0918+		51·8001 231+	20·8925 172+	0·9163 4895+
a_1	14·7376 472+	4·0855 107+	0·0097 5632−		12·4365 029+	4·0102 755+	0·0062 8230−
a_2	5944 898−	6350 614+	5 9439−		2516 297+	4770 091−	4 4437+
a_3	50 444−	738 629−	1 5812+		25 613+	328 496−	2052+
a_4	126 531+	3 311+	950−		52 546−	9 898+	344+
a_5	12 660−	5 199+			791−	2 390+	
	November 19				November 27		
a_0	327·8594 161+	18·1512 861−	0·9787 0709+		64·4854 833+	24·3941 629+	0·9105 3499+
a_1	13·5778 205+	5·1379 632+	0·0105 0881−		12·9260 369+	2·9628 626+	0·0053 1821−
a_2	5463 920−	4206 405+	1 7742−		2269 835+	5672 217−	5 2643+
a_3	331 006+	676 169−	1 1907+		190 209−	265 081−	3451+
a_4	61 436+	28 103+	1066−		57 230−	22 374+	294+
a_5	8 975−	414+			3 225+	2 287+	
	November 20				November 28		
a_0	340·9291 914+	12·6574 477−	0·9681 2926+		77·6140 824+	26·7657 620+	0·9057 8065+
a_1	12·6044 303+	5·7878 392+	0·0105 4913−		13·3016 664+	1·7589 867+	0·0041 5007−
a_2	4191 966−	2350 507+	1 1624+		1388 181+	6310 270−	6 4724+
a_3	489 635+	560 825−	7579+		384 701−	153 565−	4640+
a_4	17 115+	29 190+	920−		40 348−	34 317+	186+
a_5	4 373−	1 606−			7 168+	797+	
	November 21				November 29		
a_0	353·1646 628+	6·6878 818−	0·9577 6297+		91·0127 788+	27·8818 765+	0·9023 2608+
a_1	11·9175 899+	6·1005 659+	0·0101 2608−		13·4513 377+	0·4649 858+	0·0027 0895−
a_2	2663 992−	827 040+	2 8930+		63 923+	6557 102−	7 9716+
a_3	515 871+	460 315−	3874+		474 226−	9 542−	5392+
a_4	3 928−	20 670+	637−		2 690−	38 268+	44+
a_5	1 823−	1 903−			7 542+	1 350−	
	November 22				November 30		
a_0	4·8668 654+	0·5487 667−	0·9479 5856+		104·4235 715+	27·6938 897+	0·9004 6864+
a_1	11·5370 708+	6·1351 965+	0·0094 5673−		13·3245 456+	0·8346 662−	0·0009 5113−
a_2	1158 108−	448 949−	3 6830+		1299 340−	6369 698−	9 6103+
a_3	482 348+	396 402−	1327+		411 539−	129 266+	5571+
a_4	12 489−	10 942+	318−		36 005+	30 948+	117−
a_5	1 140−	1 441−			3 968+	2 688−	

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
December 1			
a_0	117·5810 266+	26·2380 064+	0·9005 3307+
a_1	12·9575 971+	2·0587 903−	0·0011 3336+
a_2	2278 336−	5823 168−	11 2056+
a_3	230 219−	226 261+	5107+
a_4	55 299+	16 940+	294−
a_5	265−	2 516−	
December 2			
a_0	130·2932 715+	23·6209 678+	0·9028 3511+
a_1	12·4548 486+	3·1500 263−	0·0035 1592+
a_2	2640 019−	5067 934−	12 5547+
a_3	12 933−	269 524+	3939+
a_4	52 881+	4 148+	495−
a_5	2 424−	1 336−	
December 3			
a_0	142·4878 707+	19·9913 817+	0·9076 4093+
a_1	11·9429 054+	4·0817 633−	0·0061 2522+
a_2	2385 882−	4247 826−	13 4317+
a_3	174 312+	273 544+	1970+
a_4	40 056+	2 473−	733−
a_5	2 448−	47+	
December 4			
a_0	154·2133 798+	15·5119 475+	0·9151 2170+
a_1	11·5328 218+	4·8502 297−	0·0088 4136+
a_2	1647 128−	3441 540−	13 5745+
a_3	310 558+	264 801+	950−
a_4	27 636+	2 105−	1010−
a_5	1 551−	1 222+	
December 5			
a_0	165·6151 531+	10·3439 556+	0·9253 0090+
a_1	11·3068 433+	5·4593 271−	0·0114 8734+
a_2	565 134−	2647 520−	12 6745+
a_3	406 013+	269 134+	4995−
a_4	20 047+	4 136+	1299−
a_5	800−	2 132+	
December 6			
a_0	176·9080 091+	4·6474 166+	0·9379 9274+
a_1	11·3232 390+	5·9053 701−	0·0138 2038+
a_2	765 245+	1793 954−	10 3897+
a_3	478 091+	307 340+	1 0237−
a_4	16 505+	14 984+	1516−
a_5	945−	2 735+	
December 7			
a_0	188·3571 377+	1·4048 428−	0·9527 3457+
a_1	11·6258 426+	6·1645 976−	0·0155 3052+
a_2	2289 215+	754 605−	6 4098+
a_3	533 535+	394 570+	1 6409−
a_4	12 627+	29 109+	1500−
a_5	2 825+	2 671+	
December 8			
a_0	200·2662 355+	7·6022 659−	0·9687 2698+
a_1	12·2473 788+	6·1841 704−	0·0162 6012+
a_2	3937 486+	630 624+	6017+
a_3	553 123+	536 668+	2 2581−
a_4	363−	43 468+	1042−
a_5	7 421−	947+	
December 9			
a_0	212·9618 968+	13·6652 655−	0·9848 1105+
a_1	13·1969 502+	5·8791 899−	0·0156 6125+
a_2	5520 440+	2511 147+	6 7656−
a_3	473 842+	717 117+	2 6934+
a_4	37 545−	49 801+	7−
a_5	13 951−	3 972−	
December 10			
a_0	226·7531 255+	19·2170 460−	0·9995 2634+
a_1	14·4211 977+	5·1438 998−	0·0134 9979+
a_2	6576 399+	4921 688+	14 8046−
a_3	184 198+	871 984+	2 7041−
a_4	112 584−	30 669+	1469+
a_5	14 642−	12 125−	
December 11			
a_0	241·8376 602+	23·7797 243−	1·0112 8995+
a_1	15·7394 033+	3·8917 668−	0·0097 8644+
a_2	6305 693+	7599 877+	21 9931−
a_3	401 583−	870 865+	2 1028−
a_4	195 429−	33 603−	2867+
a_5	4 280+	17 099−	
December 12			
a_0	258·1483 597+	26·8294 871−	1·0186 9547+
a_1	16·8040 675+	2·1325 125−	0·0048 7183+
a_2	3971 700+	9838 921+	26 5620−
a_3	1124 877−	570 564+	9225−
a_4	170 413−	125 760−	3505+
a_5	33 486+	8 212−	
December 13			
a_0	275·2234 171+	27·9344 483−	1·0208 5389+
a_1	17·2095 212+	0·0479 496−	0·0005 7696−
a_2	88 022−	1·0713 995+	27 2413−
a_3	1472 239−	4 846−	5144+
a_4	14 950+	166 344−	3026+
a_5	32 399+	9 636+	
December 14			
a_0	292·2816 470+	26·9271 537−	1·0176 3449+
a_1	16·7723 918+	2·0316 843+	0·0057 4975−
a_2	4090 681−	9798 727+	23 9225−
a_3	1104 356−	569 601−	1 7421+
a_4	179 427+	111 327−	1708+
a_5	2 755+	16 952+	
December 15			
a_0	308·5527 531+	23·9819 943−	1·0096 8377+
a_1	15·6960 772+	3·7844 882+	0·0099 4334−
a_2	6301 032−	7591 934+	17 7175−
a_3	369 453−	848 500−	2 4198+
a_4	183 481+	23 452−	215+
a_5	15 018−	11 007+	
December 16			
a_0	323·5986 281+	19·5244 072−	0·9982 1280+
a_1	14·3909 187+	5·0444 389+	0·0127 5239−
a_2	6459 426−	5015 645+	10 3633−
a_3	214 648+	836 779−	2 4880+
a_4	103 458+	30 533+	890−
a_5	13 687−	3 011+	

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

December 17

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	337·3740 460+	14·0587 272−	0·9846 6398+
a_1	13·1979 744+	5·8102 480+	0·0141 1434−
a_2	5331 615−	2718 381+	3 4498−
a_3	495 255+	687 114−	2 1139+
a_4	35 097+	43 976+	1415−
a_5	7 184−	1 368−	

December 25

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	74·1053 876+	26·2639 006+	0·9045 8330+
a_1	13·1520 065+	2·0375 978+	0·0039 0452−
a_2	1827 471+	6084 470−	7 0058+
a_3	320 815−	197 829−	1296−
a_4	52 736−	28 178+	308+
a_5	6 008+	2 004+	

December 18

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	350·0911 757+	8·0410 918−	0·9704 0190+
a_1	12·2906 799+	6·1646 947+	0·0142 2679−
a_2	3706 945−	907 075+	2 0411+
a_3	566 367+	525 677−	1 5356+
a_4	350+	36 216+	1463−
a_5	2 798−	2 653−	

December 26

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	87·4033 869+	27·6762 868+	0·9013 6948+
a_1	13·4031 683+	0·7736 260+	0·0025 2991−
a_2	608 922+	6488 801−	6 8031+
a_3	470 421+	66 289−	40−
a_4	21 017−	38 534+	346+
a_5	8 288+	139−	

December 19

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	2·0675 531+	1·8349 009−	0·9565 1815+
a_1	11·7179 443+	6·2015 671+	0·0134 1645−
a_2	2033 605−	479 245−	5 7770+
a_3	540 790+	407 239−	9446+
a_4	12 792−	22 563+	1233−
a_5	1 128−	2 449−	

December 27

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	100·8191 324+	27·7982 431+	0·8995 2295+
a_1	13·3795 608+	0·5286 796−	0·0011 5661−
a_2	845 336−	6457 911−	6 9980+
a_3	472 904−	85 265+	1367+
a_4	22 073+	37 470+	314+
a_5	5 949+	2 240−	

December 20

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	13·6348 239+	4·2800 293+	0·9437 6153+
a_1	11·4677 795+	5·9913 482+	0·0120 2702−
a_2	499 210−	1590 103−	7 8812+
a_3	478 341+	341 022−	4498+
a_4	17 997+	10 138+	894−
a_5	1 176−	1 662−	

December 28

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	114·0696 714+	26·6358 220+	0·8990 8294+
a_1	13·0804 210+	1·7808 147−	0·0002 9656+
a_2	2072 122−	5999 785−	7 5933+
a_3	327 728−	212 338+	2641+
a_4	51 840+	25 596+	217+
a_5	1 289+	2 939−	

December 21

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	25·0985 992+	10·0791 126+	0·9325 5866+
a_1	11·5036 520+	5·5742 464+	0·0103 5164−
a_2	816 076+	2568 987−	8 7046+
a_3	394 119+	316 456−	927+
a_4	23 776−	1 693+	547−
a_5	2 033−	573−	

December 29

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	126·9154 203+	24·2785 284+	0·9001 6741+
a_1	12·5890 546+	2·9083 004−	0·0019 0315+
a_2	2731 549−	5238 640−	8 5113+
a_3	109 378−	285 733+	3526+
a_4	57 187+	10 489+	67+
a_5	2 004−	2 211−	

December 22

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	36·7206 898+	15·3649 268+	0·9230 8128+
a_1	11·7745 755+	4·9659 044+	0·0086 0478−
a_2	1835 387+	3513 949−	8 6641+
a_3	278 306+	314 648−	1244−
a_4	34 298−	1 275−	238−
a_5	2 725−	761+	

December 30

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	139·2259 005+	20·8757 651+	0·9029 5763+
a_1	12·0318 033+	3·8672 170−	0·0037 1389+
a_2	2736 747−	4340 623−	9 6033+
a_3	98 851+	306 332+	3810+
a_4	46 215+	617−	131−
a_5	2 777−	890−	

December 23

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	48·7029 323+	19·9479 202+	0·9153 2809+
a_1	12·2100 641+	4·1685 925+	0·0069 1880−
a_2	2437 118+	4457 922−	8 1558+
a_3	114 343+	311 374−	2177−
a_4	48 882−	2 606+	12+
a_5	1 931−	2 106+	

December 31

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	150·9982 580+	16·6049 684+	0·9076 6862+
a_1	11·5312 075+	4·6441 322−	0·0057 4358+
a_2	2190 740−	3434 207−	10 6596+
a_3	256 335+	295 698+	3300+
a_4	31 949+	4 952−	377−
a_5	2 026−	362+	

December 24

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	61·1630 611+	23·6400 543+	0·9092 0323+
a_1	12·7112 758+	3·1856 919+	0·0053 5243−
a_2	2467 373+	5355 290−	7 5159+
a_3	98 602−	279 523−	2105−
a_4	59 638−	13 571+	196+
a_5	1 374+	2 787+	

December 32

	Apparent Right Ascension	Apparent Declination	Horizontal Parallax
a_0	162·3390 174+	11·6465 263+	0·9145 0739+
a_1	11·1817 280+	5·2440 627−	0·0079 5942+
a_2	1250 305−	2573 181−	11 4140+
a_3	364 438+	280 104+	1807+
a_4	21 838+	3 018−	672−
a_5	1 003−	1 366+	

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.