

Aries table

1. find current year in table bottom and note numbers (column B=0-3 and row a=0-22), you now get a two numbers "a" and "B".
2. Enter column in Aries-table indicated by "B" and take out value for given month.
3. Enter multiplication table with number (a) of step 1, day of month, hours, minutes and seconds of GMT, and take out corrections Day, Hour, Min, Second and if needed Leap correction.
4. Add values of steps 1, 2 and 3.

Stars table

1. Enter table with star name. and take out Declination and SHA.
2. Subtract 2008.0 from given year and tenth, and multiply *annual* correction by difference. Apply as correction (+or-, as appropriate) to value from table. If no sign is placed in front of correction it is considered positive (+).

SHA (2008.0)	Annu corr	Star	Dec (2008.0)	Annu corr
315°21,1'	-0,57	Achamar	S40°16,5'	-0,24
335°29,4'	-0,56	Achernar	S57°12,0'	-0,31
173°14,3'	-0,84	Acrux	S63°08,4'	0,33
290°53,8'	-0,86	Aldebaran	N16°31,7'	0,12
153°02,1'	-0,60	Alkaid	N49°16,0'	-0,30
217°59,9'	-0,74	Alphard	S08°41,6'	0,26
126°14,7'	-0,64	Alphecca	N26°41,0'	-0,23
357°47,9'	-0,78	Alpheratz	N29°08,3'	0,33
62°12,6'	-0,73	Altair	N08°53,3'	0,16
112°31,7'	-0,92	Antares	S26°27,0'	0,13
145°59,6'	-0,69	Arcturus	N19°08,2'	-0,31
107°37,9'	-1,60	Atria	S69°02,5'	0,10
271°05,4'	-0,81	Betelgeuse	N07°24,6'	0,01
263°57,4'	-0,33	Canopus	S52°41,9'	0,03
280°40,1'	-1,11	Capella	N46°00,5'	0,06
49°34,8'	-0,51	Deneb	N45°18,6'	0,22
182°37,7'	-0,77	Denebola	N14°31,5'	-0,34
349°00,0'	-0,75	Diphda	S17°56,6'	-0,33
193°56,1'	-0,92	Dubhe	N61°42,1'	-0,33
33°51,5'	-0,74	Enif	N09°54,7'	0,28
15°28,6'	-0,83	Fomalhaut	S29°34,9'	-0,32
328°05,4'	-0,85	Hamal	N23°30,2'	0,28
137°20,0'	0,02	Kochab	N74°07,0'	-0,25
148°12,7'	-0,89	Menkent	S36°24,5'	0,29
308°46,1'	-1,08	Mirfak	N49°53,7'	0,21
76°03,8'	-0,93	Nunki	S26°17,3'	-0,08
53°26,1'	-1,18	Peacock	S56°42,7'	-0,20
243°32,4'	-0,92	Pollux	N28°00,4'	-0,15
245°03,7'	-0,79	Procyon	N05°12,3'	-0,16
96°10,6'	-0,70	Rasalhaug	N12°33,1'	-0,04
207°47,7'	-0,80	Regulus	N11°55,6'	-0,30
281°15,7'	-0,72	Rigel	S08°11,5'	-0,07
139°58,0'	-1,09	Rigil-Kent.	S60°51,9'	0,25
349°45,6'	-0,86	shedjar	N56°35,2'	0,33
258°37,0'	-0,66	Sirius	S16°43,6'	0,09
158°35,7'	-0,79	Spica	S11°12,2'	0,31
222°55,2'	-0,55	Suhail	S43°27,7'	0,24
80°42,2'	-0,51	Vega	N38°47,3'	0,06

Dip	
Ht of Eye	corr
0,5	1,3'
1	1,8'
1,5	2,2'
2	2,5'
2,5	2,8'
3	3,0'
3,5	3,3'
4	3,6'
4,5	3,8'
5	3,9'
5,5	4,1'
6	4,3'
6,5	4,5'
7	4,7'
7,5	4,8'
8	5,0'
8,5	5,0'
9	5,3'
9,5	5,5'
10	5,6'
10,5	5,7'
11	5,8'
11,5	6,0'
12	6,1'
12,5	6,2'
13	6,3'
13,5	6,5'
14	6,6'
14,5	6,7'
15	6,8'
15,5	6,9'
16	7,0'
16,5	7,1'
17	7,3'
17,5	7,4'
18	7,5'
18,5	7,6'
19	7,7'

App Alt	star/planet
90°	0'
85°	-0,1
80°	-0,2
75°	-0,3
70°	-0,4
60°	-0,5
57°	-0,6
54°	-0,7
50°	-0,8
46°	-0,9
44°	-1,0
38°	-1,2
34°	-1,4
30°	-1,6
27°	-1,8
25°	-2,0
23°	-2,2
21°	-2,4
20°	-2,6
18°	-2,9
16°	-3,2
14°	-3,7
12°30'	-4,2
11°30'	-4,7
10°15'	-5,2
9°30'	-5,5
9°	-5,8
8°	-6,5
7°30'	-6,8
7°	-7,4
6°30'	-7,8
6°	-8,5
5°30'	-9,0
5°	-9,7
4°30'	-10,7
4°	-11,7
3°30'	-12,9
3°	-14,3
2°30'	-16,1
2°	-18,2
1°30'	-20,8
1°	-23,6
0°30'	-28,3
0°0'	-33,7

	leap corr	Aries			
		Day	h	min	s
1	1,84	0°59,1'	15°02'5	0°15'	0,25'
2	3,68	1°58,3'	30°04,9'	0°30,1'	0,5'
3	5,52	2°57,4'	45°07,4'	0°45,1'	0,75'
4	7,36	3°56,6'	60°09,9'	1°00,2'	1'
5	9,20	4°55,7'	75°12,3'	1°15,2	1,25'
6	11,04	5°54,8'	90°14,8'	1°30,2'	1,5'
7	12,88	6°54,0'	105°17,2'	1°45,3'	1,75'
8	14,72	7°53,1'	120°19,7'	2°00,3'	2'
9	16,56	8°52,3'	135°22,9'	2°15,4'	2,25'
10	18,40	9°51,4'	150°24,6'	2°30,4'	2,5'
11	20,24	10°50,6'	165°27,1'	2°45,5'	2,75'
12	22,08	11°49,7'	180°29,6'	3°00,5'	3'
13	23,92	12°48,8'	195°32'	3°15,5'	3,25'
14	25,76	13°48,0'	210°34,5'	3°30,6'	3,5'
15	27,60	14°47,1'	225°37'	3°45,6'	3,75'
16	29,44	15°46,2'	240°39,4'	4°00,7'	4'
17	31,28	16°45,4'	255°41,9'	4°15,7'	4,25'
18	33,12	17°44,5'	270°44,4'	4°30,7'	4,5'
19	34,96	18°43,7'	285°46,8'	4°45,8'	4,75'
20	36,80	19°42,8'	300°49,3'	5°00,8'	5'
21	38,64	20°41,9'	315°51,7'	5°15,9'	5,25'
22	40,48	21°41,1'	330°54,2'	5°30,9'	5,5'
23	42,32	22°40,2'	345°56,7'	5°45,9'	5,75'
24	44,16	23°39,4'	360°59,1	6°01'	6'
25	46,00	24°38,5'		6°16'	6,25'
26	47,84	25°37,6'		6°31,1'	6,5'
27	49,68	26°36,8'		6°46,1'	6,75'
28	51,52	27°35,9'		7°01,1'	7'
29	53,36	28°35,1'		7°16,2'	7,25'
30	55,20	29°34,2'		7°31,2'	7,5'
31	57,04	30°33,3'		7°46,3'	7,75'
32	58,88			8°01,3'	8'
33	1°72'			8°16,4'	8,25'
34	1°2,56			8°31,4'	8,5'
35	1°4,4			8°46,4'	8,75'
36	1°6,24			9°01,5'	9'
37	1°8,08			9°16,5'	9,25'
38	1°9,92			9°31,6'	9,5'
39	1°11,76			9°46,6'	9,75'
40	1°13,6			10°01,6'	10'
41	1°15,44			10°16,7'	10,25'
42	1°17,28			10°31,7'	10,5'
43	1°19,12			10°46,8'	10,75'
44	1°20,96			11°01,8'	11'
45	1°22,8			11°16,8'	11,25'
46	1°24,64			11°31,9'	11,5'
47	1°26,48			11°46,9'	11,75'
48	1°28,32			12°02'	12'
49	1°30,16			12°17'	12,25'
50	1°32			12°32,1'	12,5'
51	1°33,84'			12°47,1'	12,75'
52	1°35,68'			13°02,1'	13'
53	1°37,52'			13°17,2'	13,25'
54	1°39,36'			13°32,2'	13,5'
55	1°41,2'			13°47,3'	13,75'
56	1°43'			14°02,3'	14'
57	1°44,9'			14°17,3'	14,25'
58	1°46,7'			14°32,4'	14,5'
59	1°48,6'			14°47,4'	14,75'
60	1°50,4'			15°02,5'	15'

a=	B=0	B=1	B=2	B=3
1	2008	2009	2010	2011
2	2012	2013	2014	2015
3	2016	2017	2018	2019
4	2020	2021	2022	2023
5	2024	2025	2026	2027
6	2028	2029	2030	2031
7	2032	2033	2034	2035
8	2036	2037	2038	2039

Υ Aries (2008°2011)				
0	1	2	3	
099°02,8'	099°47,6'	jan	099°33,4'	099°19,1'
129°36,1'	130°21,0'	feb	130°06,7'	129°52,4'
158°11,1'	157°56,8'	mar	157°42,6'	157°28,3'
188°44,4'	188°30,1'	apr	188°15,9'	188°01,6'
218°18,6'	218°04,3'	may	217°50,0'	217°35,7'
248°51,9'	248°37,6'	jun	248°23,3'	248°09,0'
278°26,1'	278°11,8'	jul	277°57,5'	277°43,2'
308°59,4'	308°45,1'	aug	308°30,8'	308°16,5'
339°32,7'	339°18,4'	sep	339°04,1'	338°49,8'
009°06,8'	008°52,6'	okt	008°38,3'	008°23,9'
039°40,1'	039°25,9'	nov	039°11,6'	038°57,2'
069°14,3'	069°00,0'	dec	068°45,7'	068°31,4'

Day of year	01-01	01-18	02-05	02-23	03-13	03-31	04-18	05-06	05-25	06-12
decimal	0,00	0,05	0,10	0,15	0,20	0,25	0,30	0,35	0,40	0,45
Hour of day	00:00	01:12	02:24	03:36	04:48	06:00	07:12	08:24	09:36	10:48
Day of year	06-30	07-18	08-05	08-24	09-11	09-29	10-17	11-05	11-23	12-11
decimal	0,50	0,55	0,60	0,65	0,70	0,75	0,80	0,85	0,90	0,95
Hour of day	12:00	13:12	14:24	15:36	16:48	18:00	19:12	20:24	21:36	22:48