

GENNAIO 2010 - VEN. 01, SAB. 02, DOM. 03

U.T.	Ts	T SOLE Dec	T VENERE Dec	T MARTE Dec	T GIOVE Dec	T SATURNO Dec	T LUNA Dec	PAR	STELLE	2010	GENNAIO	01
d h	'	'	'	'	'	'	'	'	'	'	'	'
01 00	100 32.5	179 10.5 S 23 01.6	181 58.1 S 23 38.5	318 04.0 N 18 45.1	131 37.2 S 13 36.5	275 29.9 N 0 18.6	356 04.5 N 23 30.0	61.0	NOME	360	- AR	Dec.
01 01	115 35.0	194 10.2 S 23 01.4	196 57.1 S 23 38.4	333 06.8 N 18 45.4	146 39.2 S 13 36.4	290 32.3 N 0 18.5	10 26.6 N 23 22.7	61.0	Acamar	315	19.9	S 40 16.0
02 02	130 37.4	209 09.9 S 23 01.2	211 56.1 S 23 38.3	348 09.6 N 18 45.6	161 41.2 S 13 36.2	305 34.7 N 0 18.5	24 48.8 N 23 15.3	61.0	Achernar	335	28.3	S 57 11.3
03 03	145 39.9	224 09.6 S 23 01.0	226 55.2 S 23 38.2	3 12.4 N 18 45.8	176 43.2 S 13 36.0	320 37.1 N 0 18.5	39 11.0 N 23 07.7	61.0	Acruz	173	12.4	S 63 09.1
04 04	160 42.4	239 09.3 S 23 00.8	241 54.2 S 23 38.1	18 15.2 N 18 46.0	191 45.1 S 13 35.8	335 39.5 N 0 18.5	53 33.3 N 22 59.9	61.1	Adhara	255	14.1	S 28 59.2
05 05	175 44.8	254 09.0 S 23 00.6	256 53.2 S 23 38.0	33 18.0 N 18 46.2	206 47.1 S 13 35.7	350 41.9 N 0 18.5	67 55.6 N 22 52.0	61.1	Aldebaran	290	52.0	N 16 31.8
06 06	190 47.3	269 08.7 S 23 00.4	271 52.2 S 23 37.9	48 20.9 N 18 46.5	221 49.1 S 13 35.5	5 44.3 N 0 18.5	82 18.0 N 22 43.8	61.1				
07 07	205 49.8	284 08.4 S 23 00.2	286 51.3 S 23 37.8	63 23.7 N 18 46.7	236 51.1 S 13 35.3	20 46.7 N 0 18.5	96 40.5 N 22 35.6	61.1	Alioth	166	22.8	N 55 53.9
08 08	220 52.2	299 08.1 S 23 00.0	301 50.3 S 23 37.7	78 26.5 N 18 46.9	251 53.0 S 13 35.1	35 49.2 N 0 18.5	111 03.1 N 22 27.1	61.1	Alkaid	153	00.9	N 49 15.4
09 09	235 54.7	314 07.8 S 22 59.8	316 49.3 S 23 37.6	93 29.4 N 18 47.1	266 55.0 S 13 35.0	50 51.6 N 0 18.4	125 25.7 N 22 18.5	61.1	Alnair	27	47.1	S 46 54.9
10 10	250 57.2	329 07.5 S 22 59.6	331 48.4 S 23 37.5	108 32.2 N 18 47.3	281 57.0 S 13 34.8	65 54.0 N 0 18.4	139 48.4 N 22 09.7	61.1	Alnilam	275	48.6	S 1 11.7
11 11	265 59.6	344 07.2 S 22 59.4	346 47.4 S 23 37.4	123 35.0 N 18 47.6	296 59.0 S 13 34.6	80 56.4 N 0 18.4	154 11.2 N 22 00.8	61.1	Alphard	217	58.3	S 8 42.2
12 12	281 02.1	359 06.9 S 22 59.2	1 46.4 S 23 37.3	138 37.8 N 18 47.8	312 00.9 S 13 34.4	95 58.8 N 0 18.4	168 34.0 N 21 51.7	61.1				
13 13	296 04.5	14 06.6 S 22 59.0	16 45.5 S 23 37.2	153 40.7 N 18 48.0	327 02.9 S 13 34.3	111 01.2 N 0 18.4	182 56.9 N 21 42.4	61.1	Alphecca	126	13.4	N 26 40.7
14 14	311 07.0	29 06.0 S 22 58.8	31 44.5 S 23 37.1	168 43.5 N 18 48.2	342 04.9 S 13 34.1	126 03.6 N 0 18.4	197 20.0 N 21 33.0	61.1	Alpheratz	357	46.2	N 29 09.0
15 15	326 09.5	44 06.0 S 22 58.6	46 43.5 S 23 37.0	183 46.4 N 18 48.5	357 06.9 S 13 33.9	141 06.0 N 0 18.4	211 43.1 N 21 23.4	61.1	Altair	62	11.0	N 8 53.7
16 16	341 11.9	59 05.8 S 22 58.3	61 42.6 S 23 36.9	198 49.2 N 18 48.7	12 08.8 S 13 33.7	156 08.4 N 0 18.4	226 06.2 N 21 13.7	61.1	Ankaa	353	18.1	S 42 15.2
17 17	356 14.4	74 05.5 S 22 58.1	76 41.6 S 23 36.8	213 52.0 N 18 48.9	27 10.8 S 13 33.6	171 10.8 N 0 18.4	240 29.5 N 21 03.8	61.1	Antares	112	29.7	S 26 27.2
18 18	11 16.9	89 05.2 S 22 57.9	91 40.6 S 23 36.7	228 54.9 N 18 49.1	42 12.8 S 13 33.4	186 13.2 N 0 18.3	254 52.9 N 20 53.8	61.1				
19 19	26 19.3	104 04.9 S 22 57.7	106 39.7 S 23 36.6	243 57.7 N 18 49.4	57 14.7 S 13 33.2	201 15.7 N 0 18.3	269 16.3 N 20 43.6	61.1	Arcturus	145	58.1	N 19 07.6
20 20	41 21.8	119 04.6 S 22 57.5	121 38.7 S 23 36.4	259 00.6 N 18 49.6	72 16.7 S 13 33.0	216 18.1 N 0 18.3	283 39.8 N 20 33.3	61.1	Atria	107	34.4	S 69 02.6
21 21	56 24.3	134 04.3 S 22 57.3	136 37.7 S 23 36.3	274 03.4 N 18 49.8	87 18.7 S 13 32.9	231 20.5 N 0 18.3	298 03.5 N 20 22.8	61.1	Avior	234	18.6	S 59 32.4
22 22	71 26.7	149 04.0 S 22 57.1	151 36.7 S 23 36.2	289 06.2 N 18 50.0	102 20.7 S 13 32.7	246 22.9 N 0 18.3	312 27.2 N 20 12.2	61.1	Bellatrix	278	34.4	N 6 21.5
23 23	86 29.2	164 03.7 S 22 56.8	166 35.8 S 23 36.1	304 09.1 N 18 50.3	117 22.6 S 13 32.5	261 25.3 N 0 18.3	326 51.0 N 20 01.5	61.1	Betelgeuse	271	03.7	N 7 24.5
02 00	101 31.7	179 03.4 S 22 56.6	181 34.8 S 23 36.0	319 11.9 N 18 50.5	132 24.6 S 13 32.3	276 27.7 N 0 18.3	341 14.9 N 19 50.6	61.1	Canopus	263	56.7	S 52 42.1
01 01	116 34.1	194 03.1 S 22 56.4	196 33.8 S 23 35.8	334 14.8 N 18 50.7	147 26.6 S 13 32.2	291 30.1 N 0 18.3	355 38.8 N 19 39.6	61.1	Capella	280	37.7	N 46 00.6
02 02	131 36.6	209 02.8 S 22 56.2	211 32.9 S 23 35.7	349 17.7 N 18 51.0	162 28.6 S 13 32.0	306 32.5 N 0 18.3	10 02.9 N 19 28.4	61.1	Castor	246	10.7	N 31 51.9
03 03	146 39.0	224 02.5 S 22 56.0	226 31.9 S 23 35.6	4 20.5 N 18 51.2	177 30.5 S 13 31.8	321 34.9 N 0 18.3	24 27.1 N 19 17.1	61.1	Deneb	49	33.7	N 45 19.1
04 04	161 41.5	239 02.3 S 22 55.7	241 30.9 S 23 35.5	19 23.4 N 18 51.4	192 32.5 S 13 31.6	336 37.4 N 0 18.2	38 51.3 N 19 05.7	61.1	Denebola	182	36.1	N 14 30.8
05 05	176 44.0	254 02.0 S 22 55.5	256 30.0 S 23 35.3	34 26.2 N 18 51.6	207 34.5 S 13 31.5	351 39.8 N 0 18.2	53 15.7 N 18 54.2	61.1				
06 06	191 46.4	269 01.7 S 22 55.3	271 29.0 S 23 35.2	49 29.1 N 18 51.9	222 36.4 S 13 31.3	6 42.2 N 0 18.2	67 40.2 N 18 42.5	61.1	Diphda	348	58.4	S 17 55.9
07 07	206 48.9	284 01.4 S 22 55.1	286 28.0 S 23 35.1	64 31.9 N 18 52.1	237 38.4 S 13 31.1	21 44.6 N 0 18.2	82 04.7 N 18 30.7	61.1	Dubhe	193	54.3	N 61 41.4
08 08	221 51.4	299 01.1 S 22 54.8	301 27.1 S 23 34.9	79 34.8 N 18 52.3	252 40.4 S 13 30.9	36 47.0 N 0 18.2	96 29.4 N 18 18.7	61.1	Elnath	278	15.4	N 28 37.0
09 09	236 53.8	314 00.8 S 22 54.6	316 26.1 S 23 34.8	94 37.7 N 18 52.6	267 42.4 S 13 30.8	51 49.4 N 0 18.2	110 54.1 N 18 06.7	61.1	Etamin	90	47.8	N 51 29.2
10 10	251 56.3	329 00.5 S 22 54.4	331 25.1 S 23 34.7	109 40.5 N 18 52.8	282 44.3 S 13 30.6	66 51.8 N 0 18.2	125 19.0 N 17 54.5	61.1	Enif	33	49.8	N 9 55.4
11 11	266 58.8	344 00.2 S 22 54.2	346 24.2 S 23 34.5	124 43.4 N 18 53.0	297 46.3 S 13 30.4	81 54.2 N 0 18.2	139 43.9 N 17 42.2	61.1				
12 12	282 01.2	358 59.9 S 22 53.9	1 23.2 S 23 34.4	139 46.3 N 18 53.3	312 48.3 S 13 30.2	96 56.6 N 0 18.2	154 08.9 N 17 29.9	61.1	Fomalhaut	15	26.9	S 29 34.2
13 13	297 03.7	13 59.6 S 22 53.7	16 22.2 S 23 34.3	154 49.1 N 18 53.5	327 50.2 S 13 30.1	111 59.1 N 0 18.2	168 34.1 N 17 17.3	61.1	Gacrux	172	03.9	S 57 10.0
14 14	312 06.1	28 59.3 S 22 53.5	31 21.3 S 23 34.1	169 52.0 N 18 53.7	342 52.2 S 13 29.9	127 01.5 N 0 18.2	182 59.3 N 17 04.7	61.1	Gienah	175	54.9	S 17 35.9
15 15	327 08.6	43 59.1 S 22 53.3	46 20.3 S 23 34.0	184 54.9 N 18 54.0	357 54.2 S 13 29.7	142 03.9 N 0 18.1	197 24.6 N 16 52.0	61.0	Hadar	148	51.9	S 60 25.1
16 16	342 11.1	58 58.8 S 22 53.0	61 19.4 S 23 33.8	199 57.7 N 18 54.2	12 56.2 S 13 29.5	157 06.3 N 0 18.1	211 50.1 N 16 39.2	61.0	Hamal	328	03.5	N 23 30.8
17 17	357 13.5	73 58.5 S 22 52.8	76 18.4 S 23 33.7	215 00.6 N 18 54.4	27 58.1 S 13 29.3	172 08.7 N 0 18.1	226 15.6 N 16 26.2	61.0				
18 18	12 16.0	88 58.2 S 22 52.6	91 17.4 S 23 33.6	230 03.5 N 18 54.7	43 00.1 S 13 29.2	187 11.1 N 0 18.1	240 41.2 N 16 13.2	61.0	Kaus aust.	83	47.6	S 34 22.8
19 19	27 18.5	103 57.9 S 22 52.3	106 16.5 S 23 33.4	245 06.4 N 18 54.9	58 02.1 S 13 29.0	202 13.5 N 0 18.1	255 06.9 N 16 00.0	61.0	Kochab	137	20.3	N 74 06.5
20 20	42 20.9	118 57.6 S 22 52.1	121 15.5 S 23 33.3	260 09.2 N 18 55.1	73 04.0 S 13 28.8	217 16.0 N 0 18.1	269 32.7 N 15 46.8	61.0	Markab	13	41.0	N 15 15.7
21 21	57 23.4	133 57.3 S 22 51.9	136 14.5 S 23 33.1	275 12.1 N 18 55.4	88 06.0 S 13 28.6	232 18.4 N 0 18.1	283 58.7 N 15 33.5	61.0	Menkar	314	17.5	N 4 07.8
22 22	72 25.9	148 57.0 S 22 51.6	151 13.6 S 23 33.0	290 15.0 N 18 55.6	103 08.0 S 13 28.5	247 20.8 N 0 18.1	298 24.7 N 15 20.0	61.0	Menkent	148	10.8	S 36 25.1
23 23	87 28.3	163 56.7 S 22 51.4	166 12.6 S 23 32.8	305 17.9 N 18 55.9	118 09.9 S 13 28.3	262 23.2 N 0 18.1	312 50.8 N 15 06.5	60.9				
03 00	102 30.8	178 56.5 S 22 51.1	181 11.6 S 23 32.7	320 20.8 N 18 56.1	133 11.9 S 13 28.1	277 25.6 N 0 18.1	327 17.0 N 14 52.9	60.9	Miaplacidus	221	39.7	S 69 45.4
01 01	117 33.3	193 56.2 S 22 50.9	196 10.7 S 23 32.5	335 23.7 N 18 56.3	148 13.9 S 13 27.9	292 28.0 N 0 18.1	341 43.3 N 14 39.2	60.9	Mirfak	308	43.7	N 49 54.0
02 02	132 35.7	208 55.9 S 22 50.7	211 09.7 S 23 32.4	350 26.5 N 18 56.6	163 15.9 S 13 27.8	307 30.4 N 0 18.1	356 09.7 N 14 25.4	60.9	Mizar	158	55.0	N 54 52.0
03 03	147 38.2	223 55.6 S 22 50.4	226 08.7 S 23 32.2	5 29.4 N 18 56.8	178 17.8 S 13 27.6	322 32.9 N 0 18.0	10 36.2 N 14 11.6	60.9	Nunki	76	01.8	S 26 17.1
04 04	162 40.6	238 55.3 S 22 50.2	241 07.8 S 23 32.0	20 32.3 N 18 57.0	193 19.8 S 13 27.4	337 35.3 N 0 18.0	25 02.7 N 13 57.6	60.9	Peacock	53	23.6	S 56 42.2
05 05	177 43.1	253 55.0 S 22 49.9	256 06.8 S 23 31.9	35 35.2 N 18 57.3	208 21.8 S 13 27.2	352 37.7 N 0 18.0	39 29.4 N 13 43.6	60.9	Polaris	318	46.5	N 89 18.8
06 06	192 45.6	268 54.7 S 22 49.7	271 05.9 S 23 31.7	50 38.1 N 18 57.5	223 23.7 S 13 27.0	7 40.1 N 0 18.0	53 56.2 N 13 29.5	60.8	Pollux	243	30.4	N 28 00.0
07 07	207 48.0	283 54.4 S 22 49.5	286 04.9 S 23 31.6	65 41.0 N 18 57.8	238 25.7 S 13 26.9	22 42.5 N 0 18.0	68 23.1 N 13 15.3	60.8	Procyon	245	02.0	N 5 11.9
08 08	222 50.5											

GENNAIO 2010 - LUN. 04, MAR. 05, MER. 06

U.T.	Ts	T SOLE Dec	T VENERE Dec	T MARTE Dec	T GIOVE Dec	T SATURNO Dec	T LUNA Dec	PAR	STELLE	2010	GENNAIO	04
d h	' "	' " S	' " S	' " S	' " S	' " S	' " S	' "	' " S	' " S	' " S	' " S
04 00	103 29.9	178 49.6 S 22 45.2	180 48.5 S 23 28.6	321 30.4 N 19 01.9	133 59.2 S 13 23.8	278 23.6 N 0 17.9	314 13.2 N 9 04.7	60.5	NOME	360	- AR	Dec.
01	118 32.4	193 49.3 S 22 45.0	195 47.6 S 23 28.4	336 33.4 N 19 02.1	149 01.1 S 13 23.7	293 26.0 N 0 17.9	328 41.6 N 8 49.5	60.4	Acamar	315	19.9	S 40 16.0
02	133 34.9	208 49.0 S 22 44.7	210 46.6 S 23 28.3	351 36.3 N 19 02.4	164 03.1 S 13 23.5	308 28.5 N 0 17.9	343 10.1 N 8 34.3	60.4	Achernar	335	28.3	S 57 11.3
03	148 37.3	223 48.7 S 22 44.4	225 45.7 S 23 28.1	6 39.2 N 19 02.6	179 05.1 S 13 23.3	323 30.9 N 0 17.9	357 38.7 N 8 19.1	60.4	AcruX	173	12.3	S 63 09.1
04	163 39.8	238 48.5 S 22 44.2	240 44.7 S 23 27.9	21 42.1 N 19 02.9	194 07.0 S 13 23.1	338 33.3 N 0 17.9	12 07.3 N 8 03.8	60.4	Adhara	255	14.1	S 28 59.2
05	178 42.3	253 48.2 S 22 43.9	255 43.7 S 23 27.7	36 45.1 N 19 03.1	209 09.0 S 13 22.9	353 35.7 N 0 17.9	26 36.0 N 7 48.4	60.3	Aldebaran	290	52.0	N 16 31.8
06	193 44.7	268 47.9 S 22 43.7	270 42.8 S 23 27.5	51 48.0 N 19 03.4	224 11.0 S 13 22.8	8 38.1 N 0 17.9	41 04.8 N 7 33.1	60.3				
07	208 47.2	283 47.6 S 22 43.4	285 41.8 S 23 27.3	66 50.9 N 19 03.6	239 12.9 S 13 22.6	23 40.6 N 0 17.8	55 33.6 N 7 17.7	60.3	Alioth	166	22.0	N 55 53.9
08	223 49.6	298 47.3 S 22 43.1	300 40.9 S 23 27.1	81 53.8 N 19 03.9	254 14.9 S 13 22.4	38 43.0 N 0 17.8	70 02.6 N 7 02.3	60.3	Alkaid	153	00.9	N 49 15.4
09	238 52.1	313 47.0 S 22 42.9	315 39.9 S 23 26.9	96 56.8 N 19 04.1	269 16.9 S 13 22.2	53 45.4 N 0 17.8	84 31.5 N 6 46.8	60.2	Alnair	27	47.1	S 46 54.9
10	253 54.6	328 46.8 S 22 42.6	330 38.9 S 23 26.7	111 59.7 N 19 04.4	284 18.8 S 13 22.1	68 47.8 N 0 17.8	99 00.6 N 6 31.4	60.2	Alnilam	275	48.6	S 1 11.7
11	268 57.0	343 46.5 S 22 42.3	345 38.0 S 23 26.5	127 02.6 N 19 04.6	299 20.8 S 13 21.9	83 50.2 N 0 17.8	113 29.7 N 6 15.9	60.2	Alphard	217	58.3	S 8 42.2
12	283 59.5	358 46.2 S 22 42.1	0 37.0 S 23 26.3	142 05.6 N 19 04.9	314 22.7 S 13 21.7	98 52.7 N 0 17.8	127 58.9 N 6 00.4	60.2				
13	299 02.0	13 45.9 S 22 41.8	15 36.1 S 23 26.1	157 08.5 N 19 05.1	329 24.7 S 13 21.5	113 55.1 N 0 17.8	142 28.2 N 5 44.9	60.1	Alphecca	126	13.3	N 26 40.6
14	314 04.4	28 45.6 S 22 41.5	30 35.1 S 23 25.9	172 11.5 N 19 05.4	344 26.7 S 13 21.3	128 57.5 N 0 17.8	156 57.2 N 5 29.4	60.1	Alpheratz	357	46.2	N 29 09.0
15	329 06.9	43 45.4 S 22 41.3	45 34.1 S 23 25.7	187 14.4 N 19 05.6	359 28.6 S 13 21.2	143 59.9 N 0 17.8	171 26.9 N 5 13.8	60.1	Altair	62	11.0	N 8 53.7
16	344 09.4	58 45.1 S 22 41.0	60 33.2 S 23 25.5	202 17.3 N 19 05.9	14 30.6 S 13 21.0	159 02.4 N 0 17.8	185 56.3 N 4 58.2	60.0	Ankaa	353	18.1	S 42 15.2
17	359 11.8	73 44.8 S 22 40.7	75 32.2 S 23 25.3	217 20.3 N 19 06.1	29 32.6 S 13 20.8	174 04.8 N 0 17.8	200 25.8 N 4 42.7	60.0	Antares	112	29.7	S 26 27.2
18	14 14.3	88 44.5 S 22 40.5	90 31.3 S 23 25.1	232 23.2 N 19 06.4	44 34.5 S 13 20.6	189 07.2 N 0 17.8	214 55.4 N 4 27.1	60.0				
19	29 16.7	103 44.2 S 22 40.2	105 30.3 S 23 24.9	247 26.2 N 19 06.6	59 36.5 S 13 20.4	204 09.6 N 0 17.8	229 25.0 N 4 11.5	60.0	Arcturus	145	58.1	N 19 07.6
20	44 19.2	118 43.9 S 22 39.9	120 29.4 S 23 24.7	262 29.1 N 19 06.9	74 38.5 S 13 20.3	219 12.0 N 0 17.8	243 54.7 N 3 55.9	59.9	Atria	107	34.4	S 69 02.6
21	59 21.7	133 43.7 S 22 39.7	135 28.4 S 23 24.5	277 32.1 N 19 07.2	89 40.4 S 13 20.1	234 14.5 N 0 17.8	258 24.2 N 3 40.3	59.9	Avior	234	18.6	S 59 32.4
22	74 24.1	148 43.4 S 22 39.4	150 27.4 S 23 24.3	292 35.0 N 19 07.4	104 42.4 S 13 19.9	249 16.9 N 0 17.8	272 54.4 N 3 24.7	59.9	Bellatrix	278	34.4	N 6 21.5
23	89 26.6	163 43.1 S 22 39.1	165 26.5 S 23 24.1	307 38.0 N 19 07.7	119 44.4 S 13 19.7	264 19.3 N 0 17.8	287 24.0 N 3 09.1	59.8	Betelgeuse	271	03.7	N 7 24.5
05 00	104 29.1	178 42.8 S 22 38.8	180 25.5 S 23 23.9	322 40.9 N 19 07.9	134 46.3 S 13 19.5	279 21.7 N 0 17.8	301 53.9 N 2 53.5	59.8	Canopus	263	56.7	S 52 42.1
01	119 31.5	193 42.5 S 22 38.6	195 24.6 S 23 23.7	337 43.9 N 19 08.2	149 48.3 S 13 19.4	294 24.2 N 0 17.8	316 23.8 N 2 37.9	59.8	Capella	280	37.7	N 46 00.6
02	134 34.0	208 42.3 S 22 38.3	210 23.6 S 23 23.4	352 46.8 N 19 08.4	164 50.2 S 13 19.2	309 26.6 N 0 17.7	330 53.8 N 2 22.3	59.7	Castor	246	10.7	N 31 51.9
03	149 36.5	223 42.0 S 22 38.0	225 22.7 S 23 23.2	7 49.8 N 19 08.7	179 52.2 S 13 19.0	324 29.0 N 0 17.7	345 23.9 N 2 06.7	59.7	Deneb	49	33.7	N 45 19.1
04	164 38.9	238 41.7 S 22 37.7	240 21.7 S 23 23.0	22 52.8 N 19 08.9	194 54.2 S 13 18.8	339 31.4 N 0 17.7	359 54.0 N 1 51.1	59.7	Denebola	182	36.1	N 14 30.7
05	179 41.4	253 41.4 S 22 37.4	255 20.7 S 23 22.8	37 55.7 N 19 09.2	209 56.1 S 13 18.6	354 33.9 N 0 17.7	14 24.1 N 1 35.5	59.6				
06	194 43.9	268 41.1 S 22 37.2	270 19.8 S 23 22.6	52 58.7 N 19 09.5	224 58.1 S 13 18.5	9 36.3 N 0 17.7	28 54.3 N 1 19.9	59.6	Diphda	348	58.4	S 17 55.9
07	209 46.3	283 40.9 S 22 36.9	285 18.8 S 23 22.4	68 01.6 N 19 09.7	240 00.1 S 13 18.3	24 38.7 N 0 17.7	43 24.5 N 1 04.3	59.6	Dubhe	193	54.2	N 61 41.4
08	224 48.8	298 40.6 S 22 36.6	300 17.9 S 23 22.1	83 04.6 N 19 10.0	255 02.0 S 13 18.1	39 41.1 N 0 17.7	57 54.7 N 0 48.8	59.6	Elnath	278	15.4	N 28 37.0
09	239 51.2	313 40.3 S 22 36.3	315 16.9 S 23 21.9	98 07.6 N 19 10.2	270 04.0 S 13 17.9	54 43.5 N 0 17.7	72 25.0 N 0 33.2	59.5	Etamin	90	47.8	N 51 29.2
10	254 53.7	328 40.0 S 22 36.0	330 16.0 S 23 21.7	113 10.5 N 19 10.5	285 06.0 S 13 17.7	69 46.0 N 0 17.7	86 55.4 N 0 17.7	59.5	Enif	33	49.8	N 9 55.3
11	269 56.2	343 39.8 S 22 35.8	345 15.0 S 23 21.5	128 13.5 N 19 10.7	300 07.9 S 13 17.6	84 48.4 N 0 17.7	101 25.8 N 0 02.2	59.5				
12	284 58.6	358 39.5 S 22 35.5	0 14.1 S 23 21.2	143 16.5 N 19 11.0	315 09.9 S 13 17.4	99 50.8 N 0 17.7	115 56.2 S 0 13.3	59.4	Fomalhaut	15	26.9	S 29 34.2
13	300 01.1	13 39.2 S 22 35.2	15 13.1 S 23 21.0	158 19.4 N 19 11.3	330 11.8 S 13 17.2	114 53.2 N 0 17.7	130 26.6 S 0 28.8	59.4	Gacrux	172	03.9	S 57 10.0
14	315 03.6	28 38.9 S 22 34.9	30 12.2 S 23 20.8	173 22.4 N 19 11.5	345 13.8 S 13 17.0	129 55.7 N 0 17.7	144 57.1 S 0 44.2	59.4	Gienah	175	54.9	N 17 35.9
15	330 06.0	43 38.6 S 22 34.6	45 11.2 S 23 20.5	188 25.4 N 19 11.8	0 15.8 S 13 16.8	144 58.1 N 0 17.7	159 27.6 S 0 59.6	59.3	Hadar	148	51.9	S 60 25.1
16	345 08.5	58 38.4 S 22 34.3	60 10.2 S 23 20.3	203 28.4 N 19 12.0	15 17.7 S 13 16.7	160 00.5 N 0 17.7	173 58.2 S 1 15.0	59.3	Hamal	328	03.5	N 23 30.8
17	0 11.0	73 38.1 S 22 34.0	75 09.3 S 23 20.1	218 31.4 N 19 12.3	30 19.7 S 13 16.5	175 03.0 N 0 17.7	188 28.8 S 1 30.4	59.3				
18	15 13.4	88 37.8 S 22 33.7	90 08.3 S 23 19.8	233 34.3 N 19 12.6	45 21.6 S 13 16.3	190 05.4 N 0 17.7	202 59.4 S 1 45.8	59.2	Kaus aust.	83	47.5	S 34 22.8
19	30 15.9	103 37.5 S 22 33.5	105 07.4 S 23 19.6	248 37.3 N 19 12.8	60 23.6 S 13 16.1	205 07.8 N 0 17.7	217 30.0 S 2 01.1	59.2	Kochab	137	20.2	N 74 06.5
20	45 18.3	118 37.3 S 22 33.2	120 06.4 S 23 19.4	263 40.3 N 19 13.1	75 25.6 S 13 15.9	220 10.2 N 0 17.7	232 00.7 S 2 16.4	59.2	Markab	13	41.0	N 15 15.7
21	60 20.8	133 37.0 S 22 32.9	135 05.5 S 23 19.1	278 43.3 N 19 13.4	90 27.5 S 13 15.7	235 12.7 N 0 17.7	246 31.4 S 2 31.7	59.1	Menkar	314	17.5	N 4 07.8
22	75 23.3	148 36.7 S 22 32.6	150 04.5 S 23 18.9	293 46.3 N 19 13.6	105 29.5 S 13 15.6	250 15.1 N 0 17.7	261 02.1 S 2 46.9	59.1	Menkent	148	10.8	S 36 25.1
23	90 25.7	163 36.4 S 22 32.3	165 03.6 S 23 18.6	308 49.2 N 19 13.9	120 31.5 S 13 15.4	265 17.5 N 0 17.7	275 32.8 S 3 02.1	59.1				
06 00	105 28.2	178 36.2 S 22 32.0	180 02.6 S 23 18.4	323 52.2 N 19 14.1	135 33.4 S 13 15.2	280 19.9 N 0 17.7	290 03.6 S 3 17.3	59.0	Miaplacidus	221	39.7	S 69 45.4
01	120 30.7	193 35.9 S 22 31.7	195 01.7 S 23 18.2	338 55.2 N 19 14.4	150 35.4 S 13 15.0	295 22.4 N 0 17.7	304 34.4 S 3 32.5	59.0	Mirfak	308	43.7	N 49 54.1
02	135 33.1	208 35.6 S 22 31.4	210 00.7 S 23 17.9	353 58.2 N 19 14.7	165 37.3 S 13 14.8	310 24.8 N 0 17.7	319 05.2 S 3 47.6	59.0	Mizar	158	54.9	N 54 52.0
03	150 35.6	223 35.3 S 22 31.1	224 59.8 S 23 17.7	9 01.2 N 19 14.9	180 39.3 S 13 14.7	325 27.2 N 0 17.7	333 36.0 S 4 02.6	58.9	Nunki	76	01.8	S 26 17.1
04	165 38.1	238 35.1 S 22 30.8	239 58.8 S 23 17.4	24 04.2 N 19 15.2	195 41.3 S 13 14.5	340 29.6 N 0 17.7	348 06.9 S 4 17.7	58.9	Peacock	53	23.6	S 56 42.2
05	180 40.5	253 34.8 S 22 30.5	254 57.9 S 23 17.2	39 07.2 N 19 15.5	210 43.2 S 13 14.3	355 32.1 N 0 17.7	2 37.8 S 4 32.6	58.9	Polaris	318	47.6	N 89 18.8
06	195 43.0	268 34.5 S 22 30.2	269 56.9 S 23 16.9	54 10.2 N 19 15.7	225 45.2 S 13 14.1	10 34.5 N 0 17.7	17 08.6 S 4 47.6	58.8	Pollux	243	30.4	N 28 00.0
07	210 45.5	283 34.2 S 22 29.9	284 56.0 S 23 16.7	69 13.2 N 19 16.0	240 47.1 S 13 13.9	25 36.9 N 0 17.6	31 39.5 S 5 02.5	58.8	Procyon	245	02.0	N 5 11.9
08	225 47.9	298 34.0 S 22 29.6	299 55.0 S 23 16.4	84 16.2 N 19 16.3	255 49.1 S 13 13.7	40 39.4 N 0 17.6	46 10.4 S 5 17.4	58.8	Rasalhague	96	09.1	N 12 33.1
09												