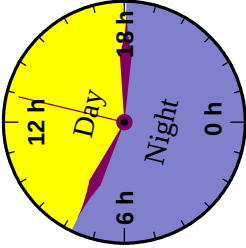
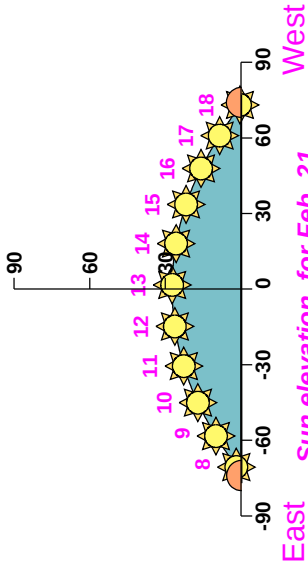


Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 7 - 358 08:49 - 16:46 7:57 +2 m. 15°	1 1 - 365 08:50 - 16:38 7:47 +1 m. 15°	2 2 - 363 08:50 - 16:39 7:49 +2 m. 15°	3 3 - 362 08:50 - 16:40 7:50 +1 m. 15°	4 4 - 361 08:50 - 16:42 7:51 +1 m. 15°	5 5 - 360 08:49 - 16:43 7:53 +2 m. 15°	6 6 - 359 08:49 - 16:44 7:55 +2 m. 15°
2 7 - 358 08:49 - 16:46 7:57 +2 m. 15°	8 8 - 357 08:48 - 16:47 7:58 +1 m. 16°	9 9 - 356 08:48 - 16:48 8:00 +2 m. 16°	10 10 - 355 08:47 - 16:50 8:02 +2 m. 16°	11 11 - 354 08:46 - 16:51 8:05 +3 m. 16°	12 12 - 353 08:46 - 16:53 8:07 +2 m. 16°	13 13 - 352 08:45 - 16:54 8:09 +2 m. 16°
3 14 - 351 08:44 - 16:56 8:11 +2 m. 16°	15 15 - 350 08:43 - 16:57 8:14 +3 m. 17°	16 16 - 349 08:42 - 16:59 8:16 +2 m. 17°	17 17 - 348 08:41 - 17:01 8:19 +3 m. 17°	18 18 - 347 08:40 - 17:02 8:22 +3 m. 17°	19 19 - 346 08:39 - 17:04 8:24 +2 m. 17°	20 20 - 345 08:38 - 17:06 8:27 +3 m. 18°
4 21 - 344 08:37 - 17:07 8:30 +3 m. 18°	22 22 - 343 08:36 - 17:09 8:33 +3 m. 18°	23 23 - 342 08:34 - 17:11 8:36 +3 m. 18°	24 24 - 341 08:33 - 17:13 8:39 +3 m. 19°	25 25 - 340 08:32 - 17:15 8:42 +3 m. 19°	26 26 - 339 08:30 - 17:16 8:46 +4 m. 19°	27 27 - 338 08:29 - 17:18 8:49 +3 m. 19°
5 28 - 337 08:28 - 17:20 8:52 +3 m. 20°	29 29 - 336 08:26 - 17:22 8:55 +3 m. 20°	30 30 - 335 08:25 - 17:24 8:59 +4 m. 20°	31 31 - 334 08:23 - 17:26 9:02 +3 m. 20°			

February 2013

Amsterdam
4.9°E, 52.35°N



East Sun elevation, for Feb. 21

West Duration of the day, for February 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

4	35 - 330 08:17 - 17:33	9:16	+3 m.	22°
11	42 - 323 08:04 - 17:46	9:42	+4 m.	24°

6

5	36 - 329 08:15 - 17:35	9:20	+4 m.	22°
12	43 - 322 08:02 - 17:48	9:46	+4 m.	24°

7

6	37 - 328 08:13 - 17:37	9:23	+3 m.	22°
13	44 - 321 08:00 - 17:50	9:50	+4 m.	24°

8

7	38 - 327 08:11 - 17:39	9:27	+4 m.	23°
14	45 - 320 07:58 - 17:52	9:53	+3 m.	25°

9

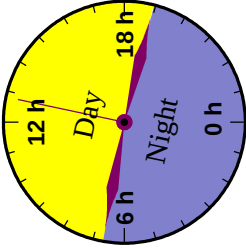
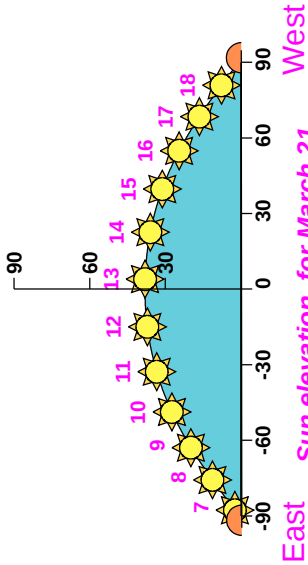
8	39 - 326 08:10 - 17:41	9:31	+4 m.	23°
15	46 - 319 07:56 - 17:54	9:57	+4 m.	25°

2	33 - 332 08:20 - 17:29	9:09	+4 m.	21°
9	40 - 325 08:08 - 17:43	9:34	+3 m.	23°
16	47 - 318 07:54 - 17:56	10:02	+5 m.	26°
23	54 - 311 07:40 - 18:09	10:29	+4 m.	28°
30	61 - 304 07:26 - 18:22	10:56	+3 m.	31°

3	34 - 331 08:18 - 17:31	9:13	+4 m.	21°
10	41 - 324 08:06 - 17:44	9:38	+4 m.	23°
17	48 - 317 07:52 - 17:58	10:06	+4 m.	26°
24	55 - 310 07:38 - 18:11	10:33	+4 m.	28°
31	62 - 303 07:24 - 18:27	11:00	+3 m.	31°

March 2013

Amsterdam
4.9°E, 52.35°N



East Sun elevation, for March 21

Duration of the day, for March 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Time change March 31

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

9

10

11

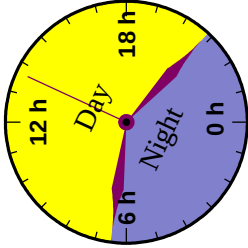
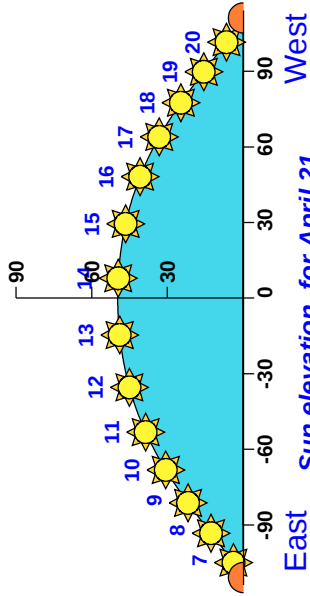
12

13

4	63 - 302 07:20 - 18:25 11:06 +5 m. 31°	5	64 - 301 07:18 - 18:27 11:10 +4 m. 32°	6	65 - 300 07:15 - 18:29 11:14 +4 m. 32°	7	66 - 299 07:13 - 18:31 11:18 +4 m. 33°	8	67 - 298 07:11 - 18:33 11:22 +4 m. 33°	1	60 - 305 07:27 - 18:20 10:53 +4 m. 30°	2	61 - 304 07:24 - 18:22 10:57 +4 m. 31°	3	62 - 303 07:22 - 18:24 11:01 +4 m. 31°
11	70 - 295 07:04 - 18:38 11:34 +4 m. 34°	12	71 - 294 07:02 - 18:40 11:38 +4 m. 35°	13	72 - 293 06:59 - 18:42 11:42 +4 m. 35°	14	73 - 292 06:57 - 18:43 11:46 +4 m. 35°	15	74 - 291 06:55 - 18:45 11:50 +4 m. 36°	16	75 - 290 06:52 - 18:47 11:55 +5 m. 36°	17	76 - 289 06:50 - 18:49 11:59 +4 m. 36°	24	83 - 282 06:34 - 19:01 12:27 +4 m. 39°
18	77 - 288 06:48 - 18:50 12:03 +4 m. 37°	19	78 - 287 06:45 - 18:52 12:07 +4 m. 37°	20	79 - 286 06:43 - 18:54 12:11 +4 m. 38°	21	80 - 285 06:41 - 18:56 12:15 +4 m. 38°	22	81 - 284 06:38 - 18:57 12:19 +4 m. 38°	23	82 - 283 06:36 - 18:59 12:23 +4 m. 39°	31	90 - 275 07:17 - 20:13 12:56 +4 m. 42°		
25	84 - 281 06:31 - 19:03 12:31 +4 m. 40°	26	85 - 280 06:29 - 19:04 12:35 +4 m. 40°	27	86 - 279 06:27 - 19:06 12:40 +5 m. 40°	28	87 - 278 06:24 - 19:08 12:44 +4 m. 41°	29	88 - 277 06:22 - 19:10 12:48 +4 m. 41°	30	89 - 276 06:20 - 19:11 12:52 +4 m. 42°				

April 2013

Amsterdam
4.9°E, 52.35°N



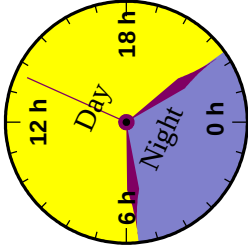
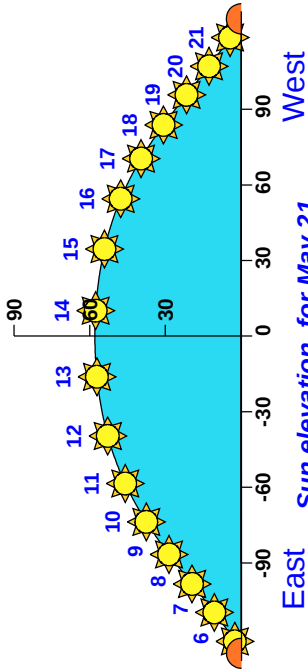
Duration of the day, for April 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn) Duration of the day - Variation - Sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday															
14	1 91 - 274 07:15 - 20:15 13:00 +4 m. 42°	2 92 - 273 07:13 - 20:17 13:04 +4 m. 43°	3 93 - 272 07:10 - 20:18 13:08 +4 m. 43°	4 94 - 271 07:08 - 20:20 13:12 +4 m. 44°	5 95 - 270 07:06 - 20:22 13:16 +4 m. 44°	6 96 - 269 07:03 - 20:24 13:20 +4 m. 44°	7 97 - 268 07:01 - 20:25 13:24 +4 m. 45°	15	15 105 - 260 06:43 - 20:39 13:56 +4 m. 48°	16 106 - 259 06:41 - 20:41 14:00 +4 m. 48°	17 107 - 258 06:39 - 20:43 14:04 +4 m. 48°	18 108 - 257 06:37 - 20:44 14:08 +4 m. 49°	19 109 - 256 06:34 - 20:46 14:12 +4 m. 49°	20 110 - 255 06:32 - 20:48 14:16 +4 m. 49°	21 111 - 254 06:30 - 20:50 14:20 +4 m. 50°	16	22 112 - 253 06:28 - 20:51 14:23 +3 m. 50°	23 113 - 252 06:26 - 20:53 14:27 +4 m. 50°	24 114 - 251 06:24 - 20:55 14:31 +4 m. 51°	25 115 - 250 06:22 - 20:56 14:35 +4 m. 51°	26 116 - 249 06:20 - 20:58 14:39 +4 m. 51°	27 117 - 248 06:18 - 21:00 14:42 +3 m. 52°	28 118 - 247 06:16 - 21:02 14:46 +4 m. 52°	17	29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°
	8 98 - 267 06:59 - 20:27 13:28 +4 m. 45°	9 99 - 266 06:57 - 20:29 13:32 +4 m. 45°	10 100 - 265 06:54 - 20:31 13:36 +4 m. 46°	11 101 - 264 06:52 - 20:32 13:40 +4 m. 46°	12 102 - 263 06:50 - 20:34 13:44 +4 m. 47°	13 103 - 262 06:48 - 20:36 13:48 +4 m. 47°	14 104 - 261 06:45 - 20:37 13:52 +4 m. 47°		29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°																
	15 105 - 260 06:43 - 20:39 13:56 +4 m. 48°	16 106 - 259 06:41 - 20:41 14:00 +4 m. 48°	17 107 - 258 06:39 - 20:43 14:04 +4 m. 48°	18 108 - 257 06:37 - 20:44 14:08 +4 m. 49°	19 109 - 256 06:34 - 20:46 14:12 +4 m. 49°	20 110 - 255 06:32 - 20:48 14:16 +4 m. 49°	21 111 - 254 06:30 - 20:50 14:20 +4 m. 50°		22 112 - 253 06:28 - 20:51 14:23 +3 m. 50°	23 113 - 252 06:26 - 20:53 14:27 +4 m. 50°	24 114 - 251 06:24 - 20:55 14:31 +4 m. 51°	25 115 - 250 06:22 - 20:56 14:35 +4 m. 51°	26 116 - 249 06:20 - 20:58 14:39 +4 m. 51°	27 117 - 248 06:18 - 21:00 14:42 +3 m. 52°	28 118 - 247 06:16 - 21:02 14:46 +4 m. 52°		29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°								
18	1 91 - 274 07:15 - 20:15 13:00 +4 m. 42°	2 92 - 273 07:13 - 20:17 13:04 +4 m. 43°	3 93 - 272 07:10 - 20:18 13:08 +4 m. 43°	4 94 - 271 07:08 - 20:20 13:12 +4 m. 44°	5 95 - 270 07:06 - 20:22 13:16 +4 m. 44°	6 96 - 269 07:03 - 20:24 13:20 +4 m. 44°	7 97 - 268 07:01 - 20:25 13:24 +4 m. 45°	15	15 105 - 260 06:43 - 20:39 13:56 +4 m. 48°	16 106 - 259 06:41 - 20:41 14:00 +4 m. 48°	17 107 - 258 06:39 - 20:43 14:04 +4 m. 48°	18 108 - 257 06:37 - 20:44 14:08 +4 m. 49°	19 109 - 256 06:34 - 20:46 14:12 +4 m. 49°	20 110 - 255 06:32 - 20:48 14:16 +4 m. 49°	21 111 - 254 06:30 - 20:50 14:20 +4 m. 50°	16	22 112 - 253 06:28 - 20:51 14:23 +3 m. 50°	23 113 - 252 06:26 - 20:53 14:27 +4 m. 50°	24 114 - 251 06:24 - 20:55 14:31 +4 m. 51°	25 115 - 250 06:22 - 20:56 14:35 +4 m. 51°	26 116 - 249 06:20 - 20:58 14:39 +4 m. 51°	27 117 - 248 06:18 - 21:00 14:42 +3 m. 52°	28 118 - 247 06:16 - 21:02 14:46 +4 m. 52°	17	29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°
	8 98 - 267 06:59 - 20:27 13:28 +4 m. 45°	9 99 - 266 06:57 - 20:29 13:32 +4 m. 45°	10 100 - 265 06:54 - 20:31 13:36 +4 m. 46°	11 101 - 264 06:52 - 20:32 13:40 +4 m. 46°	12 102 - 263 06:50 - 20:34 13:44 +4 m. 47°	13 103 - 262 06:48 - 20:36 13:48 +4 m. 47°	14 104 - 261 06:45 - 20:37 13:52 +4 m. 47°		29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°																
	15 105 - 260 06:43 - 20:39 13:56 +4 m. 48°	16 106 - 259 06:41 - 20:41 14:00 +4 m. 48°	17 107 - 258 06:39 - 20:43 14:04 +4 m. 48°	18 108 - 257 06:37 - 20:44 14:08 +4 m. 49°	19 109 - 256 06:34 - 20:46 14:12 +4 m. 49°	20 110 - 255 06:32 - 20:48 14:16 +4 m. 49°	21 111 - 254 06:30 - 20:50 14:20 +4 m. 50°		22 112 - 253 06:28 - 20:51 14:23 +3 m. 50°	23 113 - 252 06:26 - 20:53 14:27 +4 m. 50°	24 114 - 251 06:24 - 20:55 14:31 +4 m. 51°	25 115 - 250 06:22 - 20:56 14:35 +4 m. 51°	26 116 - 249 06:20 - 20:58 14:39 +4 m. 51°	27 117 - 248 06:18 - 21:00 14:42 +3 m. 52°	28 118 - 247 06:16 - 21:02 14:46 +4 m. 52°		29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°								
18	1 91 - 274 07:15 - 20:15 13:00 +4 m. 42°	2 92 - 273 07:13 - 20:17 13:04 +4 m. 43°	3 93 - 272 07:10 - 20:18 13:08 +4 m. 43°	4 94 - 271 07:08 - 20:20 13:12 +4 m. 44°	5 95 - 270 07:06 - 20:22 13:16 +4 m. 44°	6 96 - 269 07:03 - 20:24 13:20 +4 m. 44°	7 97 - 268 07:01 - 20:25 13:24 +4 m. 45°	15	15 105 - 260 06:43 - 20:39 13:56 +4 m. 48°	16 106 - 259 06:41 - 20:41 14:00 +4 m. 48°	17 107 - 258 06:39 - 20:43 14:04 +4 m. 48°	18 108 - 257 06:37 - 20:44 14:08 +4 m. 49°	19 109 - 256 06:34 - 20:46 14:12 +4 m. 49°	20 110 - 255 06:32 - 20:48 14:16 +4 m. 49°	21 111 - 254 06:30 - 20:50 14:20 +4 m. 50°	16	22 112 - 253 06:28 - 20:51 14:23 +3 m. 50°	23 113 - 252 06:26 - 20:53 14:27 +4 m. 50°	24 114 - 251 06:24 - 20:55 14:31 +4 m. 51°	25 115 - 250 06:22 - 20:56 14:35 +4 m. 51°	26 116 - 249 06:20 - 20:58 14:39 +4 m. 51°	27 117 - 248 06:18 - 21:00 14:42 +3 m. 52°	28 118 - 247 06:16 - 21:02 14:46 +4 m. 52°	17	29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°
	8 98 - 267 06:59 - 20:27 13:28 +4 m. 45°	9 99 - 266 06:57 - 20:29 13:32 +4 m. 45°	10 100 - 265 06:54 - 20:31 13:36 +4 m. 46°	11 101 - 264 06:52 - 20:32 13:40 +4 m. 46°	12 102 - 263 06:50 - 20:34 13:44 +4 m. 47°	13 103 - 262 06:48 - 20:36 13:48 +4 m. 47°	14 104 - 261 06:45 - 20:37 13:52 +4 m. 47°		29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°																
	15 105 - 260 06:43 - 20:39 13:56 +4 m. 48°	16 106 - 259 06:41 - 20:41 14:00 +4 m. 48°	17 107 - 258 06:39 - 20:43 14:04 +4 m. 48°	18 108 - 257 06:37 - 20:44 14:08 +4 m. 49°	19 109 - 256 06:34 - 20:46 14:12 +4 m. 49°	20 110 - 255 06:32 - 20:48 14:16 +4 m. 49°	21 111 - 254 06:30 - 20:50 14:20 +4 m. 50°		22 112 - 253 06:28 - 20:51 14:23 +3 m. 50°	23 113 - 252 06:26 - 20:53 14:27 +4 m. 50°	24 114 - 251 06:24 - 20:55 14:31 +4 m. 51°	25 115 - 250 06:22 - 20:56 14:35 +4 m. 51°	26 116 - 249 06:20 - 20:58 14:39 +4 m. 51°	27 117 - 248 06:18 - 21:00 14:42 +3 m. 52°	28 118 - 247 06:16 - 21:02 14:46 +4 m. 52°		29 119 - 246 06:14 - 21:03 14:50 +4 m. 52°	30 120 - 245 06:12 - 21:05 14:54 +4 m. 53°	31 121 - 244 06:10 - 21:07 14:58 +4 m. 53°								

May 2013

Amsterdam
4.9°E, 52.35°N



East Sun elevation, for May 21 West

Duration of the day, for May 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

20

21

22

6	126 - 239 06:00 - 21:15	15:15	+3 m.	54°
		15:38	+3 m.	56°

13	133 - 232 05:48 - 21:27			

20	140 - 225 05:38 - 21:37	15:59	+2 m.	58°

27	147 - 218 05:29 - 21:47	16:18	+3 m.	59°

7	127 - 238 05:58 - 21:17	15:19	+4 m.	55°

14	134 - 231 05:47 - 21:28	15:42	+4 m.	56°

21	141 - 224 05:37 - 21:39	16:02	+3 m.	58°

28	148 - 217 05:28 - 21:48	16:20	+2 m.	59°

8	128 - 237 05:57 - 21:18	15:22	+3 m.	55°

15	135 - 230 05:45 - 21:30	15:45	+3 m.	57°

22	142 - 223 05:35 - 21:40	16:05	+3 m.	58°

29	149 - 216 05:27 - 21:49	16:22	+2 m.	59°

9	129 - 236 05:55 - 21:20	15:25	+3 m.	55°

16	136 - 229 05:44 - 21:31	15:48	+3 m.	57°

23	143 - 222 05:34 - 21:42	16:08	+3 m.	58°

30	150 - 215 05:26 - 21:51	16:24	+2 m.	59°

10	130 - 235 05:53 - 21:22	15:29	+4 m.	55°

17	137 - 228 05:42 - 21:33	15:51	+3 m.	57°

24	144 - 221 05:33 - 21:43	16:10	+2 m.	59°

31	151 - 214 05:25 - 21:52	16:26	+2 m.	60°

11	131 - 234 05:52 - 21:23	15:32	+3 m.	56°

18	138 - 227 05:41 - 21:34	15:54	+3 m.	57°

25	145 - 220 05:32 - 21:44	16:13	+3 m.	59°

12	132 - 233 05:50 - 21:25	15:35	+3 m.	56°

19	139 - 226 05:39 - 21:36	15:57	+3 m.	58°

26	146 - 219 05:30 - 21:46	16:15	+2 m.	59°

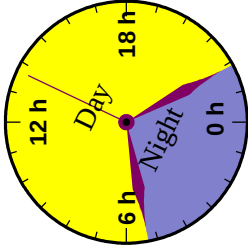
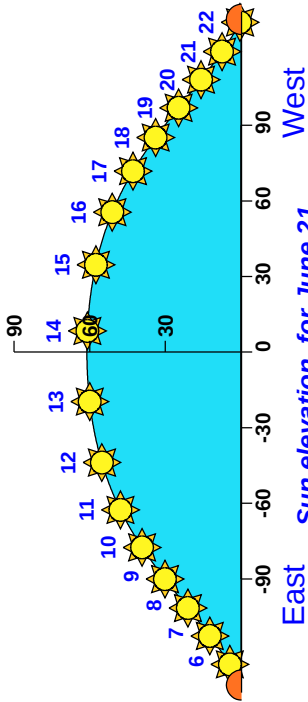
4	124 - 241 06:04 - 21:12	15:08	+4 m.	54°

3	123 - 242 06:06 - 21:10	15:04	+3 m.	53°

5	125 - 240 06:02 - 21:14	15:12	+4 m.	54°

June 2013

Amsterdam
4.9°E, 52.35°N



Duration of the day, for June 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

24

25

26

3	154 - 211 05:23 - 21:55	16:32	+2 m.	60°

10	161 - 204 05:19 - 22:01	16:42	+1 m.	61°

17	168 - 197 05:18 - 22:05	16:47	+0 m.	61°

24	175 - 190 05:19 - 22:07	16:48	+0 m.	61°

4	155 - 210 05:22 - 21:56	16:34	+2 m.	60°

11	162 - 203 05:19 - 22:02	16:43	+1 m.	61°

18	169 - 196 05:18 - 22:06	16:48	+1 m.	61°

25	176 - 189 05:20 - 22:07	16:47	-1 m.	61°

5	156 - 209 05:22 - 21:57	16:35	+1 m.	60°

12	163 - 202 05:19 - 22:03	16:44	+1 m.	61°

19	170 - 195 05:18 - 22:06	16:48	+0 m.	61°

26	177 - 188 05:20 - 22:07	16:47	+0 m.	61°

6	157 - 208 05:21 - 21:58	16:37	+2 m.	60°

13	164 - 201 05:18 - 22:03	16:45	+1 m.	61°

20	171 - 194 05:18 - 22:06	16:48	+0 m.	61°

27	178 - 187 05:21 - 22:07	16:46	-1 m.	61°

7	158 - 207 05:21 - 21:59	16:38	+1 m.	60°

14	165 - 200 05:18 - 22:04	16:46	+1 m.	61°

21	172 - 193 05:18 - 22:06	16:48	+0 m.	61°

28	179 - 186 05:21 - 22:06	16:45	-1 m.	61°

1	152 - 213 05:25 - 21:53	16:28	+2 m.	60°

8	159 - 206 05:20 - 22:00	16:40	+2 m.	61°

15	166 - 199 05:18 - 22:04	16:47	+1 m.	61°

22	173 - 192 05:19 - 22:07	16:48	+0 m.	61°

29	180 - 185 05:22 - 22:06	16:45	+0 m.	61°

2	153 - 212 05:24 - 21:54	16:30	+2 m.	60°

9	160 - 205 05:20 - 22:01	16:41	+1 m.	61°

16	167 - 198 05:18 - 22:05	16:47	+0 m.	61°

23	174 - 191 05:19 - 22:07	16:48	+0 m.	61°

30	181 - 184 05:22 - 22:06	16:44	-1 m.	61°

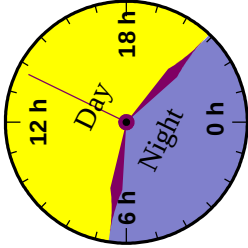
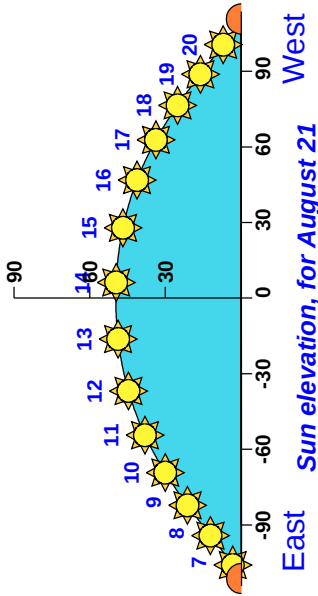
Duration of the day, for July 21

Duration of the day - Variation - Sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 182 - 183 05:23 - 22:06 16:43 -1 m. 61°	2 183 - 182 05:24 - 22:05 16:42 -1 m. 61°	3 184 - 181 05:24 - 22:05 16:40 -2 m. 61°	4 185 - 180 05:25 - 22:04 16:39 -1 m. 60°	5 186 - 179 05:26 - 22:04 16:38 -1 m. 60°	6 187 - 178 05:27 - 22:03 16:36 -2 m. 60°	7 188 - 177 05:28 - 22:03 16:35 -1 m. 60°
8 189 - 176 05:29 - 22:02 16:33 -2 m. 60°	9 190 - 175 05:30 - 22:01 16:31 -2 m. 60°	10 191 - 174 05:31 - 22:00 16:29 -2 m. 60°	11 192 - 173 05:32 - 21:59 16:27 -2 m. 60°	12 193 - 172 05:33 - 21:59 16:25 -2 m. 60°	13 194 - 171 05:34 - 21:58 16:23 -2 m. 59°	14 195 - 170 05:36 - 21:57 16:21 -2 m. 59°
15 196 - 169 05:37 - 21:56 16:19 -2 m. 59°	16 197 - 168 05:38 - 21:54 16:16 -3 m. 59°	17 198 - 167 05:39 - 21:53 16:14 -2 m. 59°	18 199 - 166 05:41 - 21:52 16:12 -2 m. 59°	19 200 - 165 05:42 - 21:51 16:09 -3 m. 58°	20 201 - 164 05:43 - 21:50 16:07 -2 m. 58°	21 202 - 163 05:45 - 21:48 16:04 -3 m. 58°
22 203 - 162 05:46 - 21:47 16:01 -3 m. 58°	23 204 - 161 05:47 - 21:46 15:58 -3 m. 58°	24 205 - 160 05:49 - 21:44 15:55 -3 m. 57°	25 206 - 159 05:50 - 21:43 15:53 -2 m. 57°	26 207 - 158 05:52 - 21:41 15:50 -3 m. 57°	27 208 - 157 05:53 - 21:40 15:46 -4 m. 57°	28 209 - 156 05:55 - 21:38 15:43 -3 m. 57°
29 210 - 155 05:56 - 21:37 15:40 -3 m. 56°	30 211 - 154 05:58 - 21:35 15:37 -3 m. 56°	31 212 - 153 05:59 - 21:33 15:34 -3 m. 56°				
31						

August 2013

Amsterdam
4.9°E, 52.35°N



East West
Sun elevation, for August 21

Duration of the day, for August 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

34

35

5	217 - 148 06:07 - 21:25	15:17	-4 m.	55°

12	224 - 141 06:19 - 21:11	14:53	-3 m.	52°

19	231 - 134 06:30 - 20:57	14:27	-4 m.	50°

26	238 - 127 06:42 - 20:42	14:00	-4 m.	48°

6	218 - 147 06:09 - 21:23	15:14	-3 m.	54°

13	225 - 140 06:20 - 21:09	14:49	-4 m.	52°

20	232 - 133 06:32 - 20:55	14:23	-4 m.	50°

27	239 - 126 06:44 - 20:39	13:56	-4 m.	48°

7	219 - 146 06:11 - 21:21	15:10	-4 m.	54°

14	226 - 139 06:22 - 21:07	14:45	-4 m.	52°

21	233 - 132 06:34 - 20:53	14:19	-4 m.	50°

28	240 - 125 06:45 - 20:37	13:52	-4 m.	47°

8	220 - 145 06:12 - 21:19	15:07	-3 m.	54°

15	227 - 138 06:24 - 21:05	14:42	-3 m.	52°

22	234 - 131 06:35 - 20:50	14:15	-4 m.	49°

29	241 - 124 06:47 - 20:35	13:48	-4 m.	47°

9	221 - 144 06:14 - 21:17	15:04	-3 m.	53°

16	228 - 137 06:25 - 21:03	14:38	-4 m.	51°

23	235 - 130 06:37 - 20:48	14:11	-4 m.	49°

30	242 - 123 06:48 - 20:33	13:44	-4 m.	47°

10	222 - 143 06:15 - 21:15	15:00	-4 m.	53°

17	229 - 136 06:27 - 21:01	14:34	-4 m.	51°

24	236 - 129 06:39 - 20:46	14:08	-3 m.	49°

31	243 - 122 06:50 - 20:30	13:40	-4 m.	46°

11	223 - 142 06:17 - 21:13	14:56	-4 m.	53°

18	230 - 135 06:29 - 20:59	14:31	-3 m.	51°

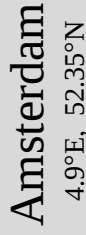
25	237 - 128 06:40 - 20:44	14:04	-4 m.	48°

4	216 - 149 06:06 - 21:26	15:21	-3 m.	55°

3	215 - 150 06:04 - 21:28	15:24	-3 m.	55°

2	214 - 151 06:03 - 21:30	15:27	-4 m.	55°

1	213 - 152 06:01 - 21:32	15:31	-3 m.	56°



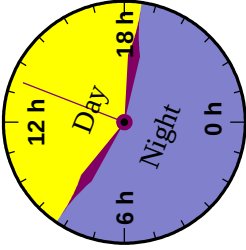
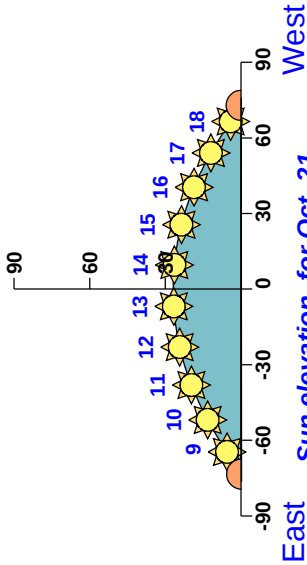
Duration of the day, for September 21

Duration of the day - Variation - Sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
35	2 245 - 120 06:53 - 20:26 13:32-4 m.45°	3 246 - 119 06:55 - 20:24 13:29-3 m.45°	4 247 - 118 06:57 - 20:21 13:25-4 m.45°	5 248 - 117 06:58 - 20:19 13:21-4 m.44°	6 249 - 116 07:00 - 20:17 13:17-4 m.44°	7 250 - 115 07:02 - 20:14 13:13-4 m.44°	8 251 - 114 07:03 - 20:12 13:09-4 m.43°	1 244 - 121 06:52 - 20:28 13:36-4 m.46°
36	9 252 - 113 07:05 - 20:10 13:05-4 m.43°	10 253 - 112 07:07 - 20:07 13:01-4 m.42°	11 254 - 111 07:08 - 20:05 12:57-4 m.42°	12 255 - 110 07:10 - 20:03 12:53-4 m.42°	13 256 - 109 07:12 - 20:00 12:49-4 m.41°	14 257 - 108 07:13 - 19:58 12:45-4 m.41°	15 258 - 107 07:15 - 19:55 12:41-4 m.41°	
37	16 259 - 106 07:17 - 19:53 12:37-4 m.40°	17 260 - 105 07:18 - 19:51 12:33-4 m.40°	18 261 - 104 07:20 - 19:48 12:28-5 m.39°	19 262 - 103 07:22 - 19:46 12:24-4 m.39°	20 263 - 102 07:23 - 19:44 12:20-4 m.39°	21 264 - 101 07:25 - 19:41 12:16-4 m.38°	22 265 - 100 07:27 - 19:39 12:12-4 m.38°	
38	23 266 - 99 07:28 - 19:36 12:08-4 m.37°	24 267 - 98 07:30 - 19:34 12:04-4 m.37°	25 268 - 97 07:32 - 19:32 12:00-4 m.37°	26 269 - 96 07:33 - 19:29 11:56-4 m.36°	27 270 - 95 07:35 - 19:27 11:52-4 m.36°	28 271 - 94 07:37 - 19:25 11:48-4 m.35°	29 272 - 93 07:38 - 19:22 11:44-4 m.35°	
39								
40	30 273 - 92 07:40 - 19:20 11:40-4 m.35°							

October 2013

Amsterdam
4.9°E, 52.35°N

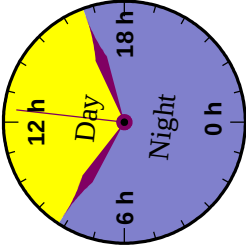
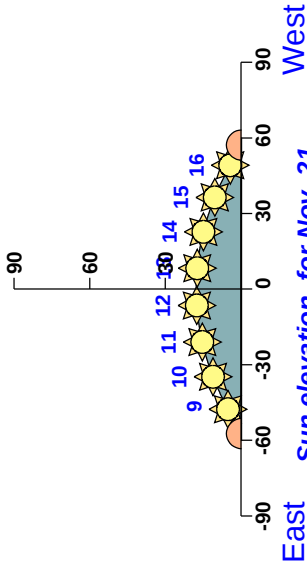


Time change October 27

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
40	7 280 - 85 07:52 - 19:04 11:12 -4 m. 32°	8 281 - 84 07:54 - 19:02 11:08 -4 m. 32°	1 274 - 91 07:42 - 19:18 11:36 -4 m. 34°	2 275 - 90 07:43 - 19:15 11:32 -4 m. 34°	3 276 - 89 07:45 - 19:13 11:28 -4 m. 34°	4 277 - 88 07:47 - 19:11 11:24 -4 m. 33°	5 278 - 87 07:49 - 19:08 11:20 -4 m. 33°	6 279 - 86 07:50 - 19:06 11:16 -4 m. 32°					
	41												
		14 287 - 78 08:04 - 18:48 10:44 -4 m. 29°	15 288 - 77 08:06 - 18:46 10:40 -4 m. 29°	16 289 - 76 08:08 - 18:44 10:36 -4 m. 29°	17 290 - 75 08:09 - 18:41 10:32 -4 m. 28°	18 291 - 74 08:11 - 18:39 10:28 -4 m. 28°	19 292 - 73 08:13 - 18:37 10:24 -4 m. 28°	20 293 - 72 08:15 - 18:35 10:20 -4 m. 27°					
42													
	21 294 - 71 08:17 - 18:33 10:16 -4 m. 27°	22 295 - 70 08:18 - 18:31 10:13 -3 m. 26°	23 296 - 69 08:20 - 18:29 10:09 -4 m. 26°	24 297 - 68 08:22 - 18:27 10:05 -4 m. 26°	25 298 - 67 08:24 - 18:25 10:01 -4 m. 25°	26 299 - 66 08:26 - 18:23 9:57 -4 m. 25°	27 300 - 65 07:27 - 17:21 9:53 -4 m. 25°						
	43												
44		28 301 - 64 07:29 - 17:19 9:49 -4 m. 24°	29 302 - 63 07:31 - 17:17 9:45 -4 m. 24°	30 303 - 62 07:33 - 17:15 9:41 -4 m. 24°	31 304 - 61 07:35 - 17:13 9:38 -3 m. 23°								

November 2013

Amsterdam
4.9°E, 52.35°N



East Sun elevation, for Nov. 21 West

Duration of the day, for November 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

4	308 - 57 07:42 - 17:06	9:23	-4 m.	22°
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45

11	315 - 50 07:55 - 16:54	8:59	-3 m.	20°
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46

18	322 - 43 08:07 - 16:44	8:36	-3 m.	18°
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47

25	329 - 36 08:19 - 16:36	8:17	-2 m.	17°
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48

26	330 - 35 08:20 - 16:35	8:14	-3 m.	17°
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6	310 - 55 07:46 - 17:02	9:16	-4 m.	22°
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13	317 - 48 07:58 - 16:51	8:52	-3 m.	20°
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20	324 - 41 08:11 - 16:41	8:30	-3 m.	18°
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27	331 - 34 08:22 - 16:34	8:12	-2 m.	17°
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7	311 - 54 07:47 - 17:00	9:13	-3 m.	21°
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14	318 - 47 08:00 - 16:49	8:49	-3 m.	19°
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21	325 - 40 08:12 - 16:40	8:28	-2 m.	18°
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28	332 - 33 08:24 - 16:33	8:09	-3 m.	16°
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1	305 - 60 07:37 - 17:11	9:34	-4 m.	23°
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8	312 - 53 07:49 - 16:59	9:09	-4 m.	21°
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15	319 - 46 08:02 - 16:48	8:46	-3 m.	19°
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22	326 - 39 08:14 - 16:39	8:25	-3 m.	17°
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29	333 - 32 08:25 - 16:32	8:07	-2 m.	16°
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2	306 - 59 07:38 - 17:09	9:30	-4 m.	23°
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9	313 - 52 07:51 - 16:57	9:06	-3 m.	21°
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16	320 - 45 08:04 - 16:47	8:43	-3 m.	19°
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23	327 - 38 08:16 - 16:38	8:22	-3 m.	17°
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30	334 - 31 08:27 - 16:32	8:05	-2 m.	16°
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3	307 - 58 07:40 - 17:07	9:27	-3 m.	23°
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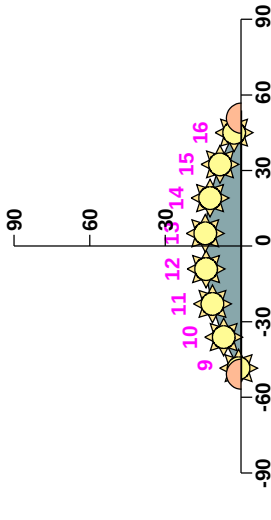
10	314 - 51 07:53 - 16:55	9:02	-4 m.	20°
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17	321 - 44 08:05 - 16:45	8:39	-4 m.	19°
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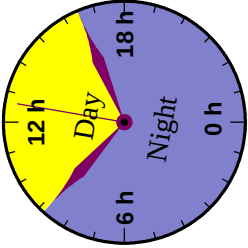
24	328 - 37 08:17 - 16:37	8:19	-3 m.	17°
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December 2013

Amsterdam
4.9°E, 52.35°N



East Sun elevation, for Dec. 21 West



Duration of the day, for December 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

48

49

50

51

52

53

2 336 - 29 08:29 - 16:30 8:01 -2 m. 16°	3 337 - 28 08:31 - 16:30 7:59 -2 m. 16°	4 338 - 27 08:32 - 16:29 7:57 -2 m. 15°	5 339 - 26 08:33 - 16:29 7:55 -2 m. 15°	6 340 - 25 08:35 - 16:28 7:53 -2 m. 15°	7 341 - 24 08:36 - 16:28 7:52 -1 m. 15°	8 342 - 23 08:37 - 16:28 7:50 -2 m. 15°
9 343 - 22 08:38 - 16:27 7:49 -1 m. 15°	10 344 - 21 08:39 - 16:27 7:47 -2 m. 15°	11 345 - 20 08:40 - 16:27 7:46 -1 m. 15°	12 346 - 19 08:41 - 16:27 7:45 -1 m. 15°	13 347 - 18 08:42 - 16:27 7:44 -1 m. 15°	14 348 - 17 08:43 - 16:27 7:43 -1 m. 14°	15 349 - 16 08:44 - 16:27 7:43 +0 m. 14°
16 350 - 15 08:45 - 16:27 7:42 -1 m. 14°	17 351 - 14 08:46 - 16:28 7:41 -1 m. 14°	18 352 - 13 08:46 - 16:28 7:41 +0 m. 14°	19 353 - 12 08:47 - 16:28 7:41 +0 m. 14°	20 354 - 11 08:48 - 16:29 7:41 +0 m. 14°	21 355 - 10 08:48 - 16:29 7:41 +0 m. 14°	22 356 - 9 08:49 - 16:30 7:41 +0 m. 14°
23 357 - 8 08:49 - 16:30 7:41 +0 m. 14°	24 358 - 7 08:50 - 16:31 7:41 +0 m. 14°	25 359 - 6 08:50 - 16:32 7:41 +0 m. 14°	26 360 - 5 08:50 - 16:32 7:42 +1 m. 14°	27 361 - 4 08:50 - 16:33 7:42 +0 m. 14°	28 362 - 3 08:51 - 16:34 7:43 +1 m. 14°	29 363 - 2 08:51 - 16:35 7:44 +1 m. 15°
30 364 - 1 08:51 - 16:36 7:45 +1 m. 15°	31 365 - 0 08:51 - 16:37 7:46 +1 m. 15°					