

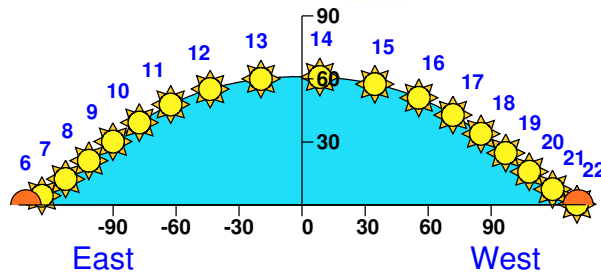
Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

Amsterdam

4.9°E, 52.35°N

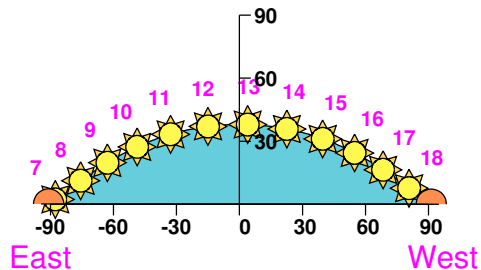
Summer



June 21

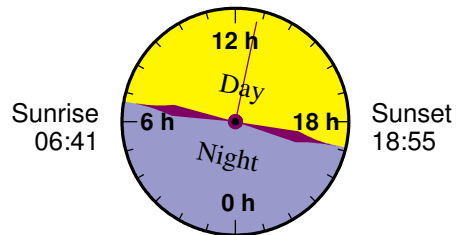


Spring



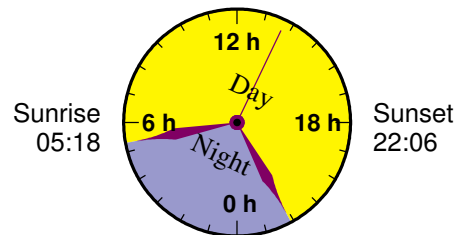
March 21

Day duration 12:14



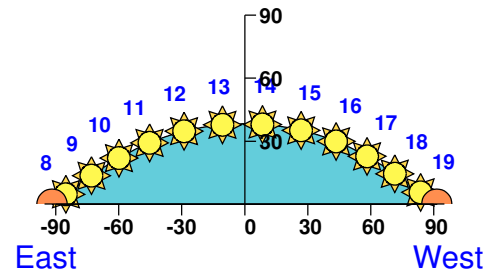
Spring Equinox

Day duration 16:48



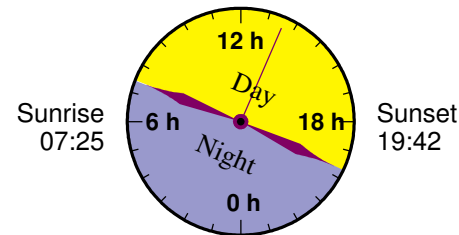
Summer Solstice

Autumn



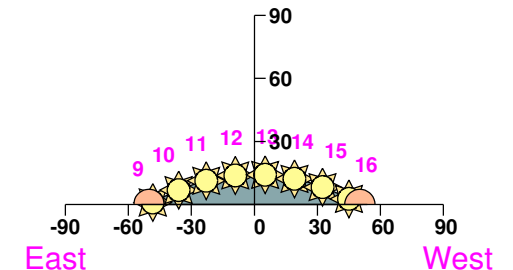
Sept. 21

Day duration 12:17



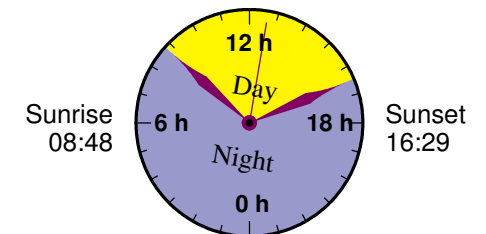
Autumn Equinox

Winter



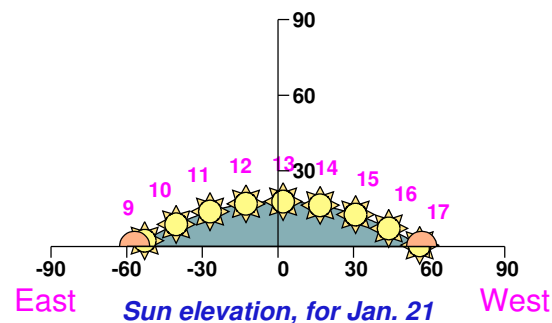
Dec. 21

Day duration 7:41



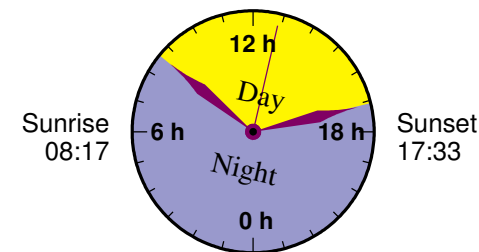
Winter Solstice

January 2018



Amsterdam

4.9°E, 52.35°N

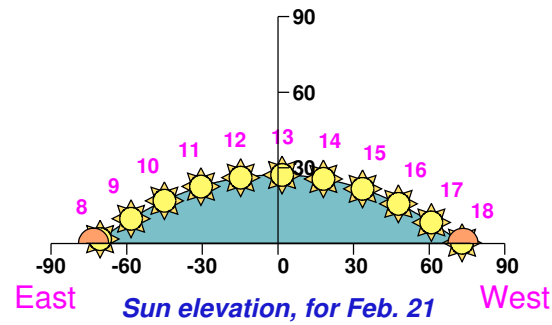


Duration of the day, for January 21

Sunrise and Sunset at Amsterdam (TL ± 1 mn) and sun maximal elevation (°)

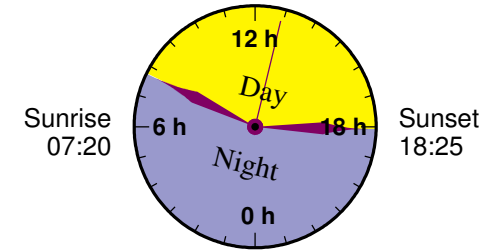
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 08:50 - 16:38 15° 	2 2 - 363 08:50 - 16:39 15° 	3 3 - 362 08:50 - 16:40 15° 	4 4 - 361 08:50 - 16:41 15° 	5 5 - 360 08:50 - 16:43 15° 	6 6 - 359 08:49 - 16:44 15° 	7 7 - 358 08:49 - 16:45 15°
2	8 8 - 357 08:48 - 16:47 16° 	9 9 - 356 08:48 - 16:48 16° 	10 10 - 355 08:47 - 16:49 16° 	11 11 - 354 08:46 - 16:51 16° 	12 12 - 353 08:46 - 16:52 16° 	13 13 - 352 08:45 - 16:54 16° 	14 14 - 351 08:44 - 16:55 16°
3	15 15 - 350 08:43 - 16:57 17° 	16 16 - 349 08:42 - 16:59 17° 	17 17 - 348 08:41 - 17:00 17° 	18 18 - 347 08:40 - 17:02 17° 	19 19 - 346 08:39 - 17:04 17° 	20 20 - 345 08:38 - 17:05 18° 	21 21 - 344 08:37 - 17:07 18°
4	22 22 - 343 08:36 - 17:09 18° 	23 23 - 342 08:35 - 17:11 18° 	24 24 - 341 08:33 - 17:12 19° 	25 25 - 340 08:32 - 17:14 19° 	26 26 - 339 08:31 - 17:16 19° 	27 27 - 338 08:29 - 17:18 19° 	28 28 - 337 08:28 - 17:20 20°
5	29 29 - 336 08:26 - 17:21 20° 	30 30 - 335 08:25 - 17:23 20° 	31 31 - 334 08:23 - 17:25 20° 				

February 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for February 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

6

7

8

9

1 32 - 333
08:22 - 17:27 21°

2 33 - 332
08:20 - 17:29 21°

3 34 - 331
08:19 - 17:31 21°

4 35 - 330
08:17 - 17:33 22°

5 36 - 329
08:15 - 17:35 22°

6 37 - 328
08:13 - 17:36 22°

7 38 - 327
08:12 - 17:38 22°

8 39 - 326
08:10 - 17:40 23°

9 40 - 325
08:08 - 17:42 23°

10 41 - 324
08:06 - 17:44 23°

11 42 - 323
08:04 - 17:46 24°

12 43 - 322
08:02 - 17:48 24°

13 44 - 321
08:01 - 17:50 24°

14 45 - 320
07:59 - 17:52 25°

15 46 - 319
07:57 - 17:54 25°

16 47 - 318
07:55 - 17:55 25°

17 48 - 317
07:53 - 17:57 26°

18 49 - 316
07:51 - 17:59 26°

19 50 - 315
07:49 - 18:01 26°

20 51 - 314
07:46 - 18:03 27°

21 52 - 313
07:44 - 18:05 27°

22 53 - 312
07:42 - 18:07 28°

23 54 - 311
07:40 - 18:09 28°

24 55 - 310
07:38 - 18:10 28°

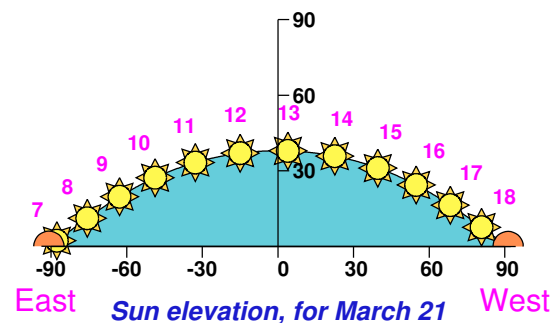
25 56 - 309
07:36 - 18:12 29°

26 57 - 308
07:34 - 18:14 29°

27 58 - 307
07:32 - 18:16 29°

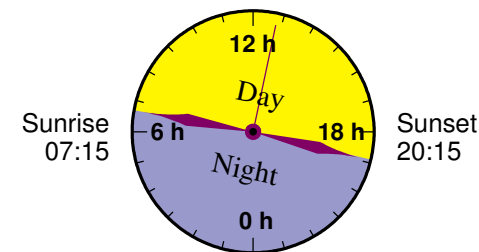
28 59 - 306
07:29 - 18:18 30°

March 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for March 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Time change March 25

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

9

1 60 - 305
07:27 - 18:20 30°

2 61 - 304
07:25 - 18:21 31°

3 62 - 303
07:23 - 18:23 31°

4 63 - 302
07:20 - 18:25 31°

10

5 64 - 301
07:18 - 18:27 32°

6 65 - 300
07:16 - 18:29 32°

7 66 - 299
07:14 - 18:30 32°

8 67 - 298
07:11 - 18:32 33°

9 68 - 297
07:09 - 18:34 33°

10 69 - 296
07:07 - 18:36 34°

11 70 - 295
07:04 - 18:38 34°

11

12 71 - 294
07:02 - 18:39 34°

13 72 - 293
07:00 - 18:41 35°

14 73 - 292
06:58 - 18:43 35°

15 74 - 291
06:55 - 18:45 36°

16 75 - 290
06:53 - 18:47 36°

17 76 - 289
06:51 - 18:48 36°

18 77 - 288
06:48 - 18:50 37°

12

19 78 - 287
06:46 - 18:52 37°

20 79 - 286
06:44 - 18:54 38°

21 80 - 285
06:41 - 18:55 38°

22 81 - 284
06:39 - 18:57 38°

23 82 - 283
06:37 - 18:59 39°

24 83 - 282
06:34 - 19:01 39°

25 84 - 281
07:32 - 20:02 40°

13

26 85 - 280
07:29 - 20:04 40°

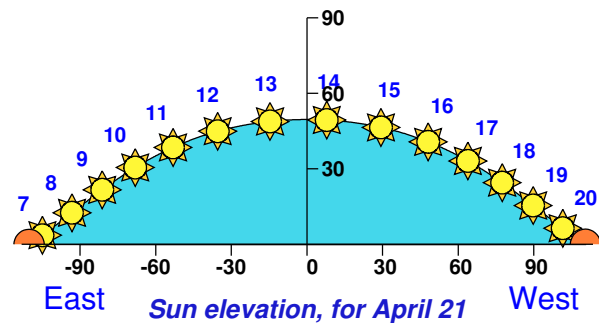
27 86 - 279
07:27 - 20:06 40°

28 87 - 278
07:25 - 20:08 41°

29 88 - 277
07:22 - 20:09 41°

30 89 - 276
07:20 - 20:11 42°

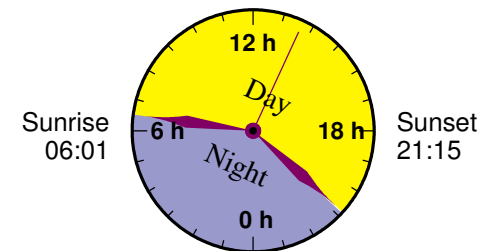
31 90 - 275
07:18 - 20:13 42°



April 2018

Amsterdam

4.9°E, 52.35°N



Duration of the day, for April 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

13

14

15

16

17

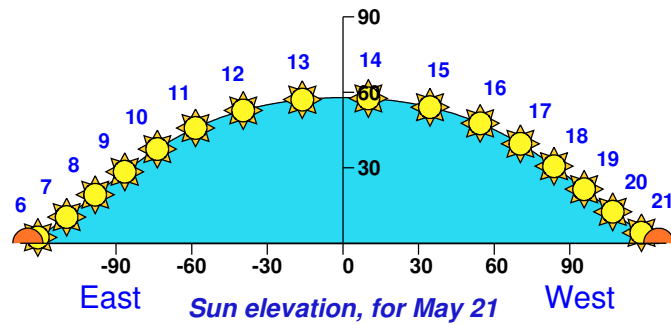
18

						1 91 - 274 07:15 - 20:15 42°
2 92 - 273 07:13 - 20:16 43° 	3 93 - 272 07:11 - 20:18 43° 	4 94 - 271 07:09 - 20:20 43° 	5 95 - 270 07:06 - 20:21 44° 	6 96 - 269 07:04 - 20:23 44° 	7 97 - 268 07:02 - 20:25 45° 	8 98 - 267 06:59 - 20:27 45°
9 99 - 266 06:57 - 20:28 45° 	10 100 - 265 06:55 - 20:30 46° 	11 101 - 264 06:53 - 20:32 46° 	12 102 - 263 06:50 - 20:34 46° 	13 103 - 262 06:48 - 20:35 47° 	14 104 - 261 06:46 - 20:37 47° 	15 105 - 260 06:44 - 20:39 48°
16 106 - 259 06:41 - 20:41 48° 	17 107 - 258 06:39 - 20:42 48° 	18 108 - 257 06:37 - 20:44 49° 	19 109 - 256 06:35 - 20:46 49° 	20 110 - 255 06:33 - 20:47 49° 	21 111 - 254 06:31 - 20:49 50° 	22 112 - 253 06:28 - 20:51 50°
23 113 - 252 06:26 - 20:53 50° 	24 114 - 251 06:24 - 20:54 51° 	25 115 - 250 06:22 - 20:56 51° 	26 116 - 249 06:20 - 20:58 51° 	27 117 - 248 06:18 - 21:00 52° 	28 118 - 247 06:16 - 21:01 52° 	29 119 - 246 06:14 - 21:03 52°
30 120 - 245 06:12 - 21:05 53° 						

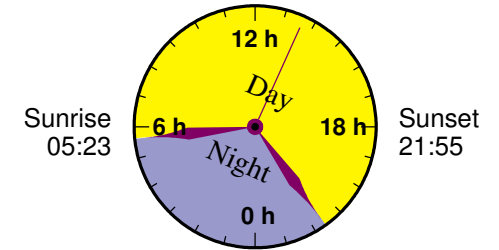
May 2018

Amsterdam

4.9°E, 52.35°N



Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)



Duration of the day, for May 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

20

21

22

1 121 - 244
06:10 - 21:06 53°

2 122 - 243
06:08 - 21:08 53°

3 123 - 242
06:06 - 21:10 53°

4 124 - 241
06:04 - 21:11 54°

5 125 - 240
06:02 - 21:13 54°

6 126 - 239
06:01 - 21:15 54°

7 127 - 238
05:59 - 21:17 55°

8 128 - 237
05:57 - 21:18 55°

9 129 - 236
05:55 - 21:20 55°

10 130 - 235
05:54 - 21:21 55°

11 131 - 234
05:52 - 21:23 56°

12 132 - 233
05:50 - 21:25 56°

13 133 - 232
05:49 - 21:26 56°

14 134 - 231
05:47 - 21:28 56°

15 135 - 230
05:45 - 21:29 57°

16 136 - 229
05:44 - 21:31 57°

17 137 - 228
05:42 - 21:32 57°

18 138 - 227
05:41 - 21:34 57°

19 139 - 226
05:40 - 21:36 57°

20 140 - 225
05:38 - 21:37 58°

21 141 - 224
05:37 - 21:38 58°

22 142 - 223
05:35 - 21:40 58°

23 143 - 222
05:34 - 21:41 58°

24 144 - 221
05:33 - 21:43 58°

25 145 - 220
05:32 - 21:44 59°

26 146 - 219
05:31 - 21:45 59°

27 147 - 218
05:30 - 21:47 59°

28 148 - 217
05:29 - 21:48 59°

29 149 - 216
05:28 - 21:49 59°

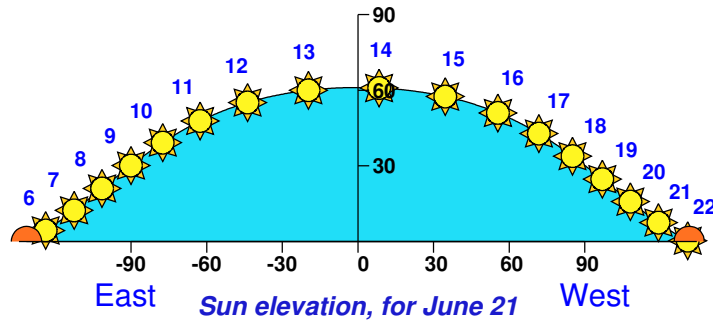
30 150 - 215
05:27 - 21:50 59°

31 151 - 214
05:26 - 21:52 60°

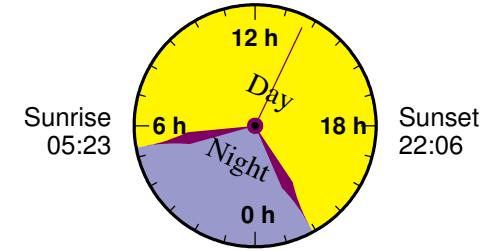
June 2018

Amsterdam

4.9°E, 52.35°N



Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation ($^{\circ}$)



Duration of the day, for June 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

1 152 - 213 05:25 - 21:53 60°	2 153 - 212 05:24 - 21:54 60°	3 154 - 211 05:23 - 21:55 60°

23

4 155 - 210 05:22 - 21:56 60°	5 156 - 209 05:22 - 21:57 60°	6 157 - 208 05:21 - 21:58 60°	7 158 - 207 05:21 - 21:59 60°	8 159 - 206 05:20 - 22:00 61°	9 160 - 205 05:20 - 22:00 61°	10 161 - 204 05:19 - 22:01 61°

24

11 162 - 203 05:19 - 22:02 61°	12 163 - 202 05:19 - 22:03 61°	13 164 - 201 05:18 - 22:03 61°	14 165 - 200 05:18 - 22:04 61°	15 166 - 199 05:18 - 22:04 61°	16 167 - 198 05:18 - 22:05 61°	17 168 - 197 05:18 - 22:05 61°

25

18 169 - 196 05:18 - 22:06 61°	19 170 - 195 05:18 - 22:06 61°	20 171 - 194 05:18 - 22:06 61°	21 172 - 193 05:18 - 22:06 61°	22 173 - 192 05:18 - 22:07 61°	23 174 - 191 05:19 - 22:07 61°	24 175 - 190 05:19 - 22:07 61°

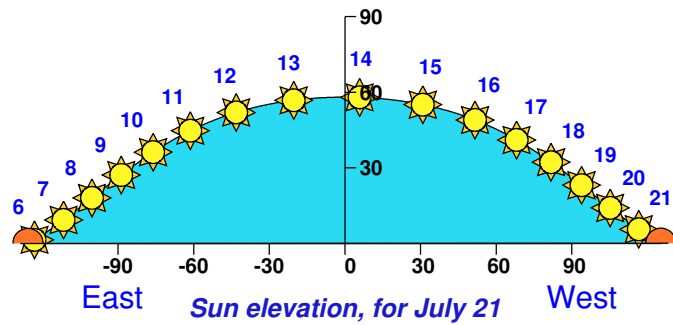
26

25 176 - 189 05:19 - 22:07 61°	26 177 - 188 05:20 - 22:07 61°	27 178 - 187 05:20 - 22:07 61°	28 179 - 186 05:21 - 22:06 61°	29 180 - 185 05:22 - 22:06 61°	30 181 - 184 05:22 - 22:06 61°

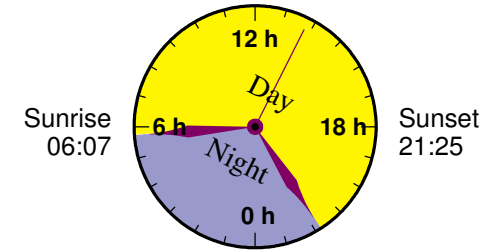
July 2018

Amsterdam

4.9°E, 52.35°N



Sunrise and Sunset at Amsterdam (TL ± 1 mn) and sun maximal elevation ($^{\circ}$)



Duration of the day, for July 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

28

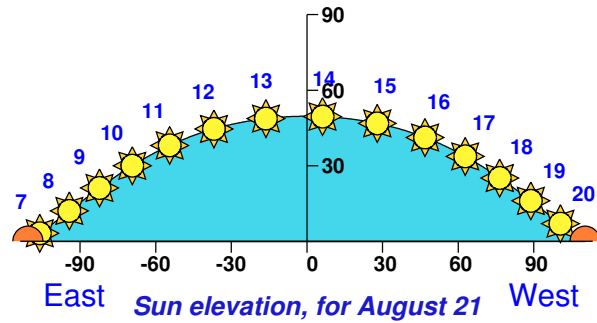
29

30

31

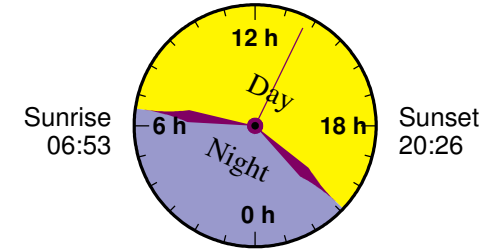
						1 182 - 183 05:23 - 22:06 61°
2 183 - 182 05:24 - 22:05 61° 	3 184 - 181 05:24 - 22:05 61° 	4 185 - 180 05:25 - 22:04 61° 	5 186 - 179 05:26 - 22:04 60° 	6 187 - 178 05:27 - 22:03 60° 	7 188 - 177 05:28 - 22:03 60° 	8 189 - 176 05:29 - 22:02 60°
9 190 - 175 05:30 - 22:01 60° 	10 191 - 174 05:31 - 22:00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

August 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for August 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

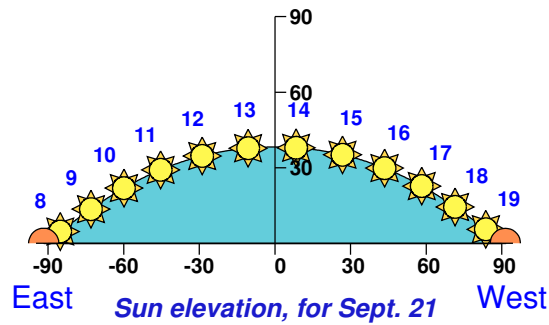
33

34

35

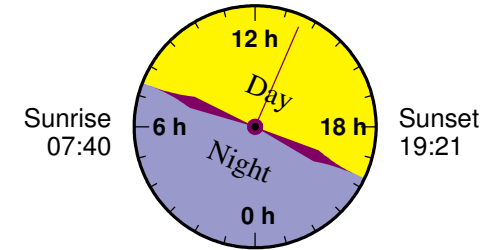
		1 213 - 152 06:01 - 21:32 56° 	2 214 - 151 06:02 - 21:30 55° 	3 215 - 150 06:04 - 21:29 55° 	4 216 - 149 06:05 - 21:27 55° 	5 217 - 148 06:07 - 21:25 55°
6 218 - 147 06:09 - 21:23 54° 	7 219 - 146 06:10 - 21:21 54° 	8 220 - 145 06:12 - 21:19 54° 	9 221 - 144 06:13 - 21:18 53° 	10 222 - 143 06:15 - 21:16 53° 	11 223 - 142 06:17 - 21:14 53° 	12 224 - 141 06:18 - 21:12 53°
13 225 - 140 06:20 - 21:10 52° 	14 226 - 139 06:22 - 21:08 52° 	15 227 - 138 06:23 - 21:06 52° 	16 228 - 137 06:25 - 21:04 51° 	17 229 - 136 06:27 - 21:02 51° 	18 230 - 135 06:28 - 20:59 51° 	19 231 - 134 06:30 - 20:57 50°
20 232 - 133 06:32 - 20:55 50° 	21 233 - 132 06:33 - 20:53 50° 	22 234 - 131 06:35 - 20:51 49° 	23 235 - 130 06:37 - 20:49 49° 	24 236 - 129 06:38 - 20:47 49° 	25 237 - 128 06:40 - 20:44 48° 	26 238 - 127 06:42 - 20:42 48°
27 239 - 126 06:43 - 20:40 48° 	28 240 - 125 06:45 - 20:38 47° 	29 241 - 124 06:46 - 20:35 47° 	30 242 - 123 06:48 - 20:33 47° 	31 243 - 122 06:50 - 20:31 46° 		

September 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for September 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

36

37

38

39

1 244 - 121
06:51 - 20:29 46°

2 245 - 120
06:53 - 20:26 45°

3 246 - 119
06:55 - 20:24 45°

4 247 - 118
06:56 - 20:22 45°

5 248 - 117
06:58 - 20:19 44°

6 249 - 116
07:00 - 20:17 44°

7 250 - 115
07:01 - 20:15 44°

8 251 - 114
07:03 - 20:12 43°

9 252 - 113
07:05 - 20:10 43°

10 253 - 112
07:06 - 20:08 43°

11 254 - 111
07:08 - 20:05 42°

12 255 - 110
07:10 - 20:03 42°

13 256 - 109
07:11 - 20:01 41°

14 257 - 108
07:13 - 19:58 41°

15 258 - 107
07:15 - 19:56 41°

16 259 - 106
07:16 - 19:54 40°

17 260 - 105
07:18 - 19:51 40°

18 261 - 104
07:20 - 19:49 39°

19 262 - 103
07:21 - 19:46 39°

20 263 - 102
07:23 - 19:44 39°

21 264 - 101
07:25 - 19:42 38°

22 265 - 100
07:26 - 19:39 38°

23 266 - 99
07:28 - 19:37 38°

24 267 - 98
07:30 - 19:35 37°

25 268 - 97
07:31 - 19:32 37°

26 269 - 96
07:33 - 19:30 36°

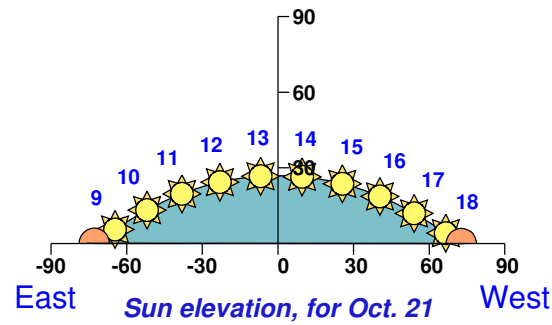
27 270 - 95
07:35 - 19:28 36°

28 271 - 94
07:36 - 19:25 36°

29 272 - 93
07:38 - 19:23 35°

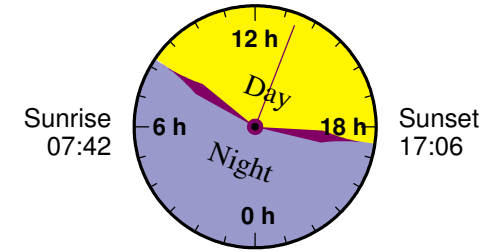
30 273 - 92
07:40 - 19:21 35°

October 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for October 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Time change October 28

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

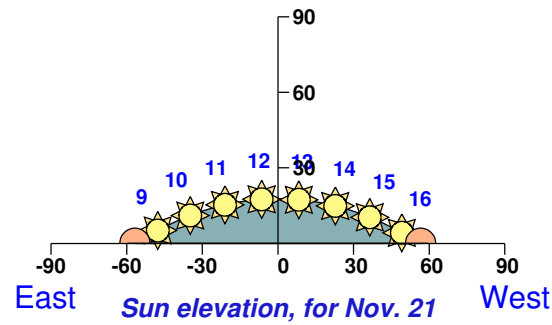
42

43

44

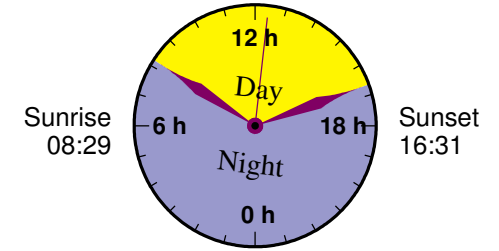
1 274 - 91 07:41 - 19:18 34° 	2 275 - 90 07:43 - 19:16 34° 	3 276 - 89 07:45 - 19:14 34° 	4 277 - 88 07:46 - 19:11 33° 	5 278 - 87 07:48 - 19:09 33° 	6 279 - 86 07:50 - 19:07 32° 	7 280 - 85 07:52 - 19:04 32°
8 281 - 84 07:53 - 19:02 32° 	9 282 - 83 07:55 - 19:00 31° 	10 283 - 82 07:57 - 18:57 31° 	11 284 - 81 07:59 - 18:55 31° 	12 285 - 80 08:00 - 18:53 30° 	13 286 - 79 08:02 - 18:51 30° 	14 287 - 78 08:04 - 18:49 29°
15 288 - 77 08:06 - 18:46 29° 	16 289 - 76 08:07 - 18:44 29° 	17 290 - 75 08:09 - 18:42 28° 	18 291 - 74 08:11 - 18:40 28° 	19 292 - 73 08:13 - 18:38 28° 	20 293 - 72 08:14 - 18:35 27° 	21 294 - 71 08:16 - 18:33 27°
22 295 - 70 08:18 - 18:31 27° 	23 296 - 69 08:20 - 18:29 26° 	24 297 - 68 08:22 - 18:27 26° 	25 298 - 67 08:23 - 18:25 26° 	26 299 - 66 08:25 - 18:23 25° 	27 300 - 65 08:27 - 18:21 25° 	28 301 - 64 07:29 - 17:19 25°
29 302 - 63 07:31 - 17:17 24° 	30 303 - 62 07:32 - 17:15 24° 	31 304 - 61 07:34 - 17:13 24° 				

November 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for November 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

1 305 - 60 07:36 - 17:11 23° 	2 306 - 59 07:38 - 17:10 23° 	3 307 - 58 07:40 - 17:08 23° 	4 308 - 57 07:42 - 17:06 22°
--	--	--	--

45

5 309 - 56 07:43 - 17:04 22° 	6 310 - 55 07:45 - 17:02 22° 	7 311 - 54 07:47 - 17:01 21° 	8 312 - 53 07:49 - 16:59 21° 	9 313 - 52 07:51 - 16:57 21° 	10 314 - 51 07:53 - 16:56 20° 	11 315 - 50 07:54 - 16:54 20°
--	--	--	--	--	---	---

46

12 316 - 49 07:56 - 16:53 20° 	13 317 - 48 07:58 - 16:51 20° 	14 318 - 47 08:00 - 16:50 19° 	15 319 - 46 08:01 - 16:48 19° 	16 320 - 45 08:03 - 16:47 19° 	17 321 - 44 08:05 - 16:45 19° 	18 322 - 43 08:07 - 16:44 18°
---	---	---	---	---	---	---

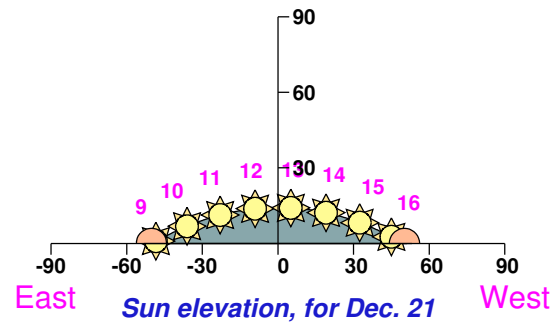
47

19 323 - 42 08:08 - 16:43 18° 	20 324 - 41 08:10 - 16:42 18° 	21 325 - 40 08:12 - 16:40 18° 	22 326 - 39 08:14 - 16:39 18° 	23 327 - 38 08:15 - 16:38 17° 	24 328 - 37 08:17 - 16:37 17° 	25 329 - 36 08:18 - 16:36 17°
---	---	---	---	---	---	---

48

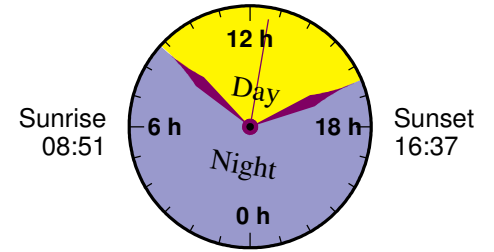
26 330 - 35 08:20 - 16:35 17° 	27 331 - 34 08:22 - 16:34 17° 	28 332 - 33 08:23 - 16:33 16° 	29 333 - 32 08:25 - 16:33 16° 	30 334 - 31 08:26 - 16:32 16°
---	---	---	---	---

December 2018



Amsterdam

4.9°E, 52.35°N



Duration of the day, for December 21

Sunrise and Sunset at Amsterdam (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

48

49

50

51

52

53

1 335 - 30 08:28 - 16:31 16° 	2 336 - 29 08:29 - 16:31 16°
3 337 - 28 08:30 - 16:30 16° 	4 338 - 27 08:32 - 16:29 15°
5 339 - 26 08:33 - 16:29 15° 	6 340 - 25 08:34 - 16:28 15°
7 341 - 24 08:36 - 16:28 15° 	8 342 - 23 08:37 - 16:28 15°
9 343 - 22 08:38 - 16:28 15° 	10 344 - 21 08:39 - 16:27 15°
11 345 - 20 08:40 - 16:27 15° 	12 346 - 19 08:41 - 16:27 15°
13 347 - 18 08:42 - 16:27 15° 	14 348 - 17 08:43 - 16:27 14°
15 349 - 16 08:44 - 16:27 14° 	16 350 - 15 08:45 - 16:27 14°
17 351 - 14 08:46 - 16:28 14° 	18 352 - 13 08:46 - 16:28 14°
19 353 - 12 08:47 - 16:28 14° 	20 354 - 11 08:48 - 16:29 14°
21 355 - 10 08:48 - 16:29 14° 	22 356 - 9 08:49 - 16:30 14°
23 357 - 8 08:49 - 16:30 14° 	24 358 - 7 08:49 - 16:31 14°
25 359 - 6 08:50 - 16:31 14° 	26 360 - 5 08:50 - 16:32 14°
27 361 - 4 08:50 - 16:33 14° 	28 362 - 3 08:50 - 16:34 14°
29 363 - 2 08:51 - 16:35 14° 	30 364 - 1 08:51 - 16:36 15°

31 365 - 0 08:51 - 16:37 15°
--