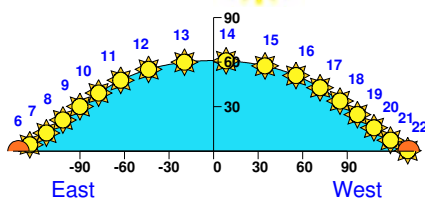


Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

Amsterdam
4.9°E, 52.35°N

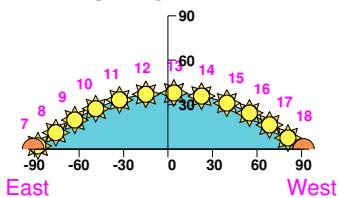
Summer



June 21

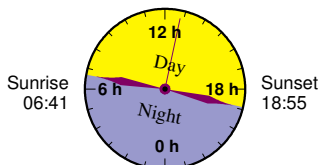


Spring



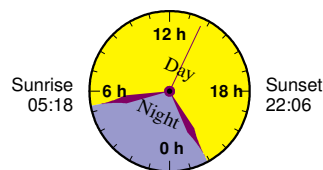
March 21

Day duration 12:14



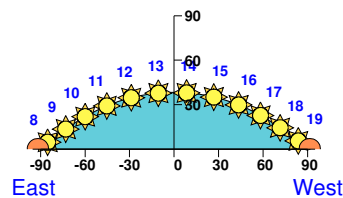
Spring Equinox

Day duration 16:48



Summer Solstice

Autumn



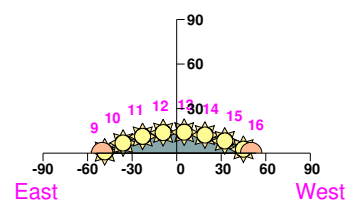
Sept. 21

Day duration 12:17



Autumn Equinox

Winter



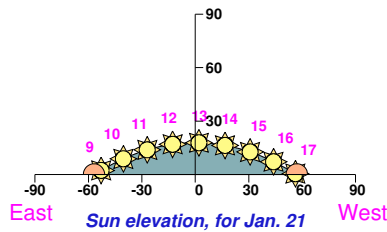
Dec. 21

Day duration 7:41

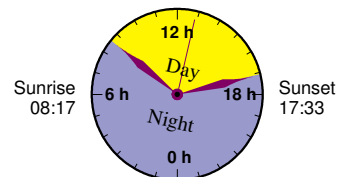


Winter Solstice

January 2018

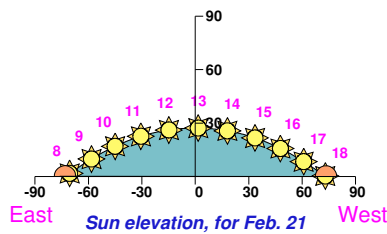


Amsterdam
4.9°E, 52.35°N



Sunrise and Sunset at Amsterdam (TL $\pm$ 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

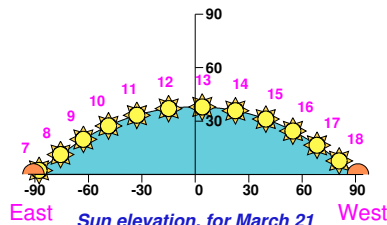
7

8

9

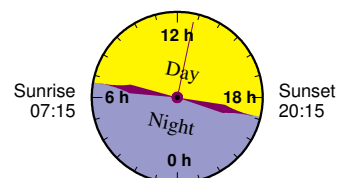
			1 32 - 333 08:22 - 17:27 21° 	2 33 - 332 08:20 - 17:29 21° 	3 34 - 331 08:19 - 17:31 21° 	4 35 - 330 08:17 - 17:33 22°
5 36 - 329 08:15 - 17:35 22° 	6 37 - 328 08:13 - 17:36 22° 	7 38 - 327 08:12 - 17:38 22° 	8 39 - 326 08:10 - 17:40 23° 	9 40 - 325 08:08 - 17:42 23° 	10 41 - 324 08:06 - 17:44 23° 	11 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

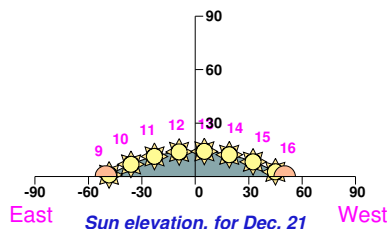
Saturday

Sunday

			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°
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°
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°
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°
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°	

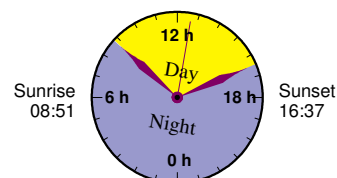
Sun Calendar © P. Robert / ScientiDev, Déc. 2014

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

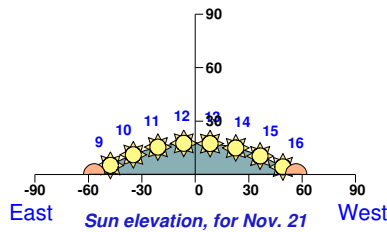
Friday

Saturday

Sunday

	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°
10 344 - 21 08:39 - 16:27 15°	11 345 - 20 08:40 - 16:27 15°	12 346 - 19 08:41 - 16:27 15°
17 351 - 14 08:46 - 16:28 14°	18 352 - 13 08:46 - 16:28 14°	19 353 - 12 08:47 - 16:28 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°
31 365 - 0 08:51 - 16:37 15°	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°

Sun Calendar © P. Robert / ScientiDev, Déc. 2014



November 2018

Amsterdam
4.9°E, 52.35°N



Duration of the day, for November 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

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°

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°

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°

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°

26 330 - 35
08:20 - 16:35 17°

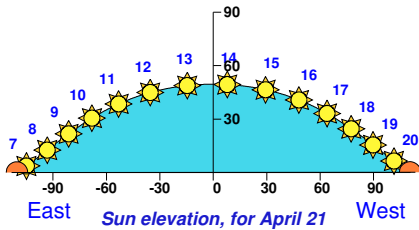
27 331 - 34
08:22 - 16:34 17°

28 332 - 33
08:23 - 16:33 16°

29 333 - 32
08:25 - 16:33 16°

30 334 - 31
08:26 - 16:32 16°

Sun Calendar © P. Robert / ScientiDev, Déc. 2014



April 2018

Amsterdam
4.9°E, 52.35°N



Duration of the day, for April 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

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°

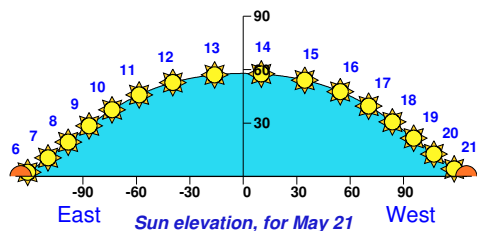
27 117 - 248
06:18 - 21:00 52°

28 118 - 247
06:16 - 21:01 52°

29 119 - 246
06:14 - 21:03 52°

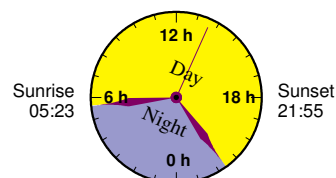
30 120 - 245
06:12 - 21:05 53°

Sun Calendar © P. Robert / ScientiDev, Déc. 2014



May 2018

Amsterdam
4.9°E, 52.35°N



Duration of the day, for May 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

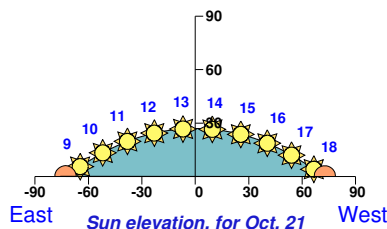
20

21

22

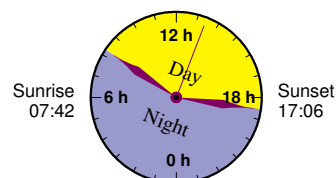
	1 121 - 244 06:10 - 21:06 53°	2 122 - 243 06:08 - 21:08 53°	3 123 - 242 06:06 - 21:10 53°	4 124 - 241 06:04 - 21:11 54°	5 125 - 240 06:02 - 21:13 54°	6 126 - 239 06:01 - 21:15 54°
7 127 - 238 05:59 - 21:17 55°	8 128 - 237 05:57 - 21:18 55°	9 129 - 236 05:55 - 21:20 55°	10 130 - 235 05:54 - 21:21 55°	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°			

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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 ($^{\circ}$)

Time change October 28

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

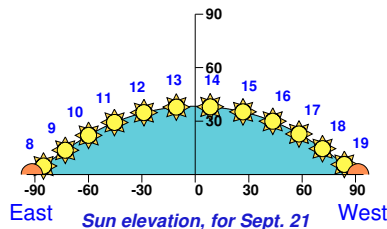
42

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°				

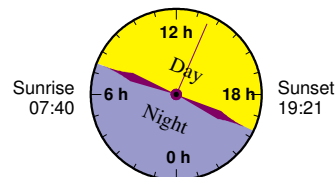
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



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°

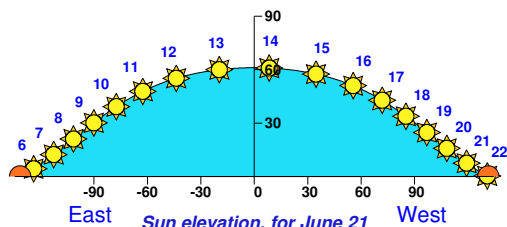
3	246 - 119 06:55 - 20:24 45°	4	247 - 118 06:56 - 20:22 45°	5	248 - 117 06:58 - 20:19 44°	6	249 - 116 07:00 - 20:17 44°	7	250 - 115 07:01 - 20:15 44°
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10	253 - 112 07:06 - 20:08 43°	11	254 - 111 07:08 - 20:05 42°	12	255 - 110 07:10 - 20:03 42°	13	256 - 109 07:11 - 20:01 41°	14	257 - 108 07:13 - 19:58 41°
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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°
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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°
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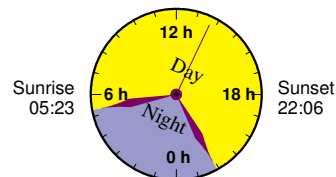
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



June 2018

Amsterdam

4.9°E, 52.35°N



Duration of the day, for June 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

24

25

26

1	152 - 213 05:25 - 21:53 60°	2	153 - 212 05:24 - 21:54 60°	3	154 - 211 05:23 - 21:55 60°
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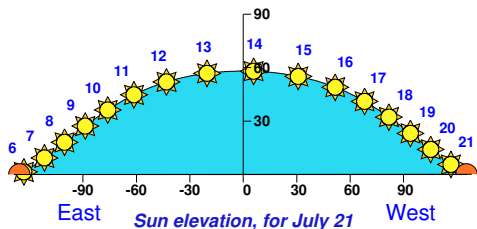
4	155 - 210 05:22 - 21:56 60°	5	156 - 209 05:22 - 21:57 60°	6	157 - 208 05:21 - 21:58 60°	7	158 - 207 05:21 - 21:59 60°	8	159 - 206 05:20 - 22:00 61°
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11	162 - 203 05:19 - 22:02 61°	12	163 - 202 05:19 - 22:03 61°	13	164 - 201 05:18 - 22:03 61°	14	165 - 200 05:18 - 22:04 61°	15	166 - 199 05:18 - 22:04 61°
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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°
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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°
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July 2018

Amsterdam
4.9°E, 52.35°N



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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

28

29

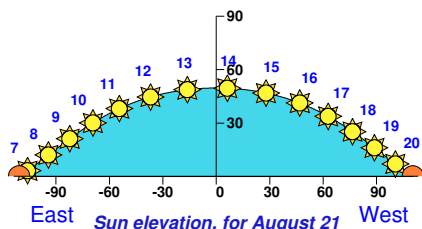
30

31

1 182 - 183
05:23 - 22:06 61°

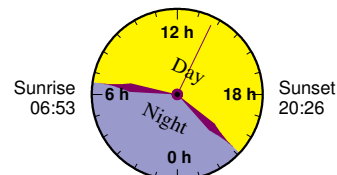
2 183 - 182 05:24 - 22:05 61°	3 184 - 181 05:24 - 22:05 61°	4 185 - 180 05:25 - 22:04 61°	5 186 - 179 05:26 - 22:04 60°	6 187 - 178 05:27 - 22:03 60°	7 188 - 177 05:28 - 22:03 60°	8 189 - 176 05:29 - 22:02 60°
9 190 - 175 05:30 - 22:01 60°	10 191 - 174 05:31 - 22:00 60°	11 192 - 173 05:32 - 22:00 60°	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°					

Sun Calendar © P. Robert / ScientiDev, Déc. 2014



August 2018

Amsterdam
4.9°E, 52.35°N



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

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°		

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