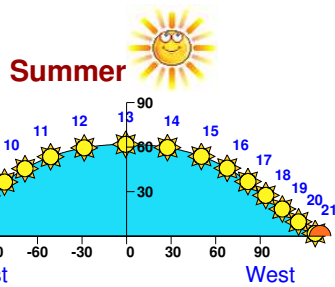


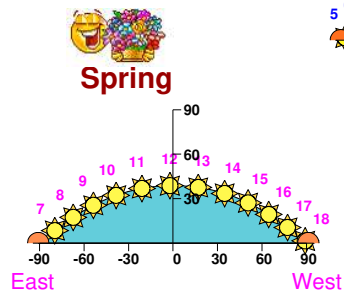
Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

Londres
0.17°E, 51.5°N



June 21



March 21

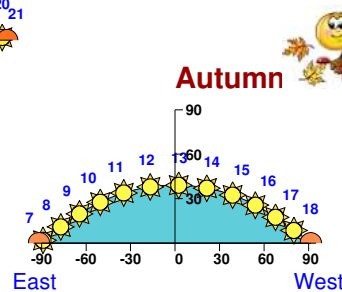
Day duration 12:14



Spring Equinox

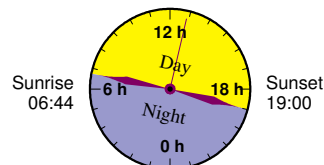


Summer Solstice

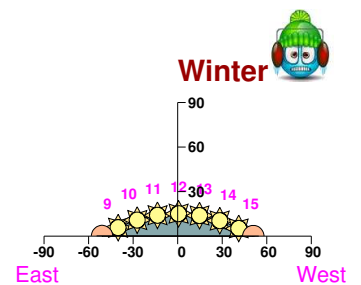


Sept. 21

Day duration 12:17



Autumn Equinox



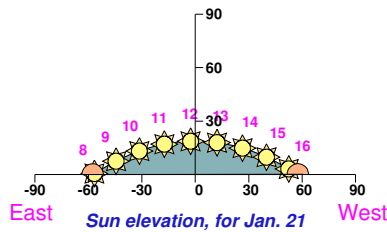
Dec. 21

Day duration 7:49



Winter Solstice

January 2018



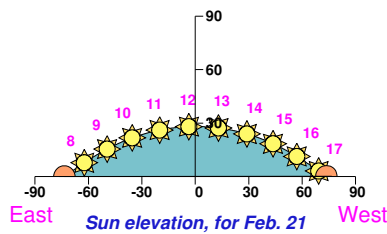
Londres
0.17°E, 51.5°N



Duration of the day, for January 21

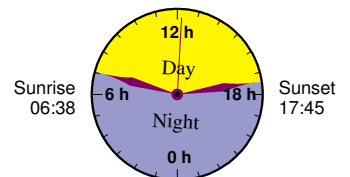
Sunrise and Sunset at Londres (TL ± 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 08:05 - 16:01 16°	2 2 - 363 08:05 - 16:02 16°	3 3 - 362 08:05 - 16:03 16°	4 4 - 361 08:05 - 16:05 16°	5 5 - 360 08:04 - 16:06 16°	6 6 - 359 08:04 - 16:07 16°	7 7 - 358 08:04 - 16:08 16°
2	8 8 - 357 08:03 - 16:10 16°	9 9 - 356 08:03 - 16:11 16°	10 10 - 355 08:02 - 16:12 17°	11 11 - 354 08:01 - 16:14 17°	12 12 - 353 08:01 - 16:15 17°	13 13 - 352 08:00 - 16:17 17°	14 14 - 351 07:59 - 16:18 17°
3	15 15 - 350 07:58 - 16:20 17°	16 16 - 349 07:58 - 16:21 18°	17 17 - 348 07:57 - 16:23 18°	18 18 - 347 07:56 - 16:25 18°	19 19 - 346 07:55 - 16:26 18°	20 20 - 345 07:54 - 16:28 18°	21 21 - 344 07:53 - 16:29 19°
4	22 22 - 343 07:51 - 16:31 19°	23 23 - 342 07:50 - 16:33 19°	24 24 - 341 07:49 - 16:35 19°	25 25 - 340 07:48 - 16:36 20°	26 26 - 339 07:46 - 16:38 20°	27 27 - 338 07:45 - 16:40 20°	28 28 - 337 07:44 - 16:42 20°
5	29 29 - 336 07:42 - 16:43 21°	30 30 - 335 07:41 - 16:45 21°	31 31 - 334 07:39 - 16:47 21°				



February 2018

Londres
0.17°E, 51.5°N



Duration of the day, for February 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

6

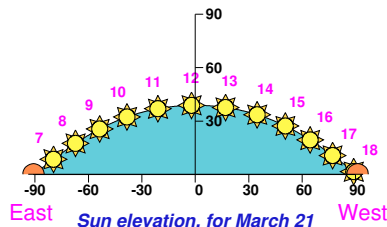
7

8

9

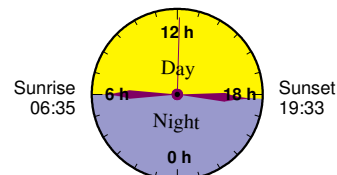
			1 32 - 333 07:38 - 16:49 22° 	2 33 - 332 07:36 - 16:51 22° 	3 34 - 331 07:35 - 16:52 22° 	4 35 - 330 07:33 - 16:54 22°
	5 36 - 329 07:31 - 16:56 23° 	6 37 - 328 07:30 - 16:58 23° 	7 38 - 327 07:28 - 17:00 23° 	8 39 - 326 07:26 - 17:02 24° 	9 40 - 325 07:25 - 17:03 24° 	10 41 - 324 07:23 - 17:05 24°
	12 43 - 322 07:19 - 17:09 25° 	13 44 - 321 07:17 - 17:11 25° 	14 45 - 320 07:15 - 17:13 26° 	15 46 - 319 07:14 - 17:14 26° 	16 47 - 318 07:12 - 17:16 26° 	17 48 - 317 07:10 - 17:18 27°
	19 50 - 315 07:06 - 17:22 27° 	20 51 - 314 07:04 - 17:24 28° 	21 52 - 313 07:02 - 17:25 28° 	22 53 - 312 07:00 - 17:27 28° 	23 54 - 311 06:58 - 17:29 29° 	24 55 - 310 06:56 - 17:31 29°
	26 57 - 308 06:51 - 17:34 30° 	27 58 - 307 06:49 - 17:36 30° 	28 59 - 306 06:47 - 17:38 31° 			25 56 - 309 06:53 - 17:33 30°

March 2018



Londres

0.17°E, 51.5°N



Duration of the day, for March 21

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

Time change March 25

Monday

Tuesday

Wednesday

Thursday

Friday

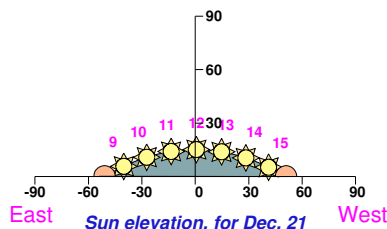
Saturday

Sunday

			1 60 - 305 06:45 - 17:40 31°	2 61 - 304 06:43 - 17:41 31°	3 62 - 303 06:41 - 17:43 32°	4 63 - 302 06:38 - 17:45 32°
5 64 - 301 06:36 - 17:47 33°	6 65 - 300 06:34 - 17:48 33°	7 66 - 299 06:32 - 17:50 33°	8 67 - 298 06:30 - 17:52 34°	9 68 - 297 06:27 - 17:54 34°	10 69 - 296 06:25 - 17:55 35°	11 70 - 295 06:23 - 17:57 35°
12 71 - 294 06:21 - 17:59 35°	13 72 - 293 06:18 - 18:00 36°	14 73 - 292 06:16 - 18:02 36°	15 74 - 291 06:14 - 18:04 36°	16 75 - 290 06:12 - 18:06 37°	17 76 - 289 06:09 - 18:07 37°	18 77 - 288 06:07 - 18:09 38°
19 78 - 287 06:05 - 18:11 38°	20 79 - 286 06:03 - 18:12 38°	21 80 - 285 06:00 - 18:14 39°	22 81 - 284 05:58 - 18:16 39°	23 82 - 283 05:56 - 18:17 40°	24 83 - 282 05:53 - 18:19 40°	25 84 - 281 06:51 - 19:21 40°
26 85 - 280 06:49 - 19:23 41°	27 86 - 279 06:47 - 19:24 41°	28 87 - 278 06:44 - 19:26 42°	29 88 - 277 06:42 - 19:28 42°	30 89 - 276 06:40 - 19:29 42°	31 90 - 275 06:37 - 19:31 43°	

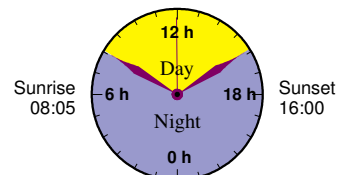
Sun Calendar © P. Robert / ScientiDev, Déc. 2014

December 2018



Londres

0.17°E, 51.5°N



Duration of the day, for December 21

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

Monday

Tuesday

Wednesday

Thursday

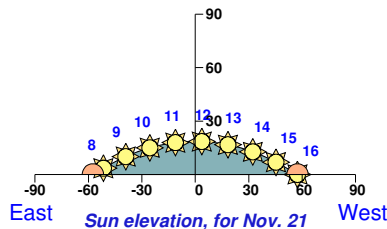
Friday

Saturday

Sunday

	1 335 - 30 07:43 - 15:54 17°	2 336 - 29 07:44 - 15:53 17°
3 337 - 28 07:45 - 15:53 16°	4 338 - 27 07:47 - 15:52 16°	5 339 - 26 07:48 - 15:52 16°
10 344 - 21 07:54 - 15:51 16°	11 345 - 20 07:55 - 15:50 16°	12 346 - 19 07:56 - 15:50 15°
17 351 - 14 08:00 - 15:51 15°	18 352 - 13 08:01 - 15:51 15°	19 353 - 12 08:01 - 15:52 15°
24 358 - 7 08:04 - 15:54 15°	25 359 - 6 08:04 - 15:55 15°	26 360 - 5 08:05 - 15:56 15°
31 365 - 0 08:05 - 16:00 15°		

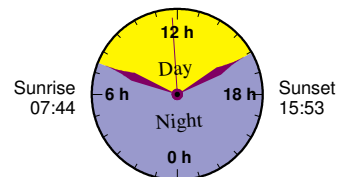
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



November 2018

Londres

0.17°E, 51.5°N



Duration of the day, for November 21

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

Monday

Tuesday

Wednesday

Thursday

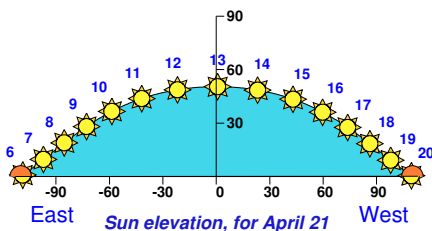
Friday

Saturday

Sunday

			1 305 - 60 06:53 - 16:33 24°	2 306 - 59 06:55 - 16:31 24°	3 307 - 58 06:56 - 16:29 23°	4 308 - 57 06:58 - 16:27 23°
5 309 - 56 07:00 - 16:26 23°	6 310 - 55 07:02 - 16:24 22°	7 311 - 54 07:03 - 16:22 22°	8 312 - 53 07:05 - 16:21 22°	9 313 - 52 07:07 - 16:19 22°	10 314 - 51 07:09 - 16:18 21°	11 315 - 50 07:10 - 16:16 21°
12 316 - 49 07:12 - 16:15 21°	13 317 - 48 07:14 - 16:13 21°	14 318 - 47 07:16 - 16:12 20°	15 319 - 46 07:17 - 16:10 20°	16 320 - 45 07:19 - 16:09 20°	17 321 - 44 07:21 - 16:08 20°	18 322 - 43 07:22 - 16:06 19°
19 323 - 42 07:24 - 16:05 19°	20 324 - 41 07:26 - 16:04 19°	21 325 - 40 07:27 - 16:03 19°	22 326 - 39 07:29 - 16:02 18°	23 327 - 38 07:31 - 16:01 18°	24 328 - 37 07:32 - 16:00 18°	25 329 - 36 07:34 - 15:59 18°
26 330 - 35 07:35 - 15:58 18°	27 331 - 34 07:37 - 15:57 17°	28 332 - 33 07:38 - 15:56 17°	29 333 - 32 07:40 - 15:55 17°	30 334 - 31 07:41 - 15:55 17°		

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April 2018

Londres

0.17°E, 51.5°N



Duration of the day, for April 21

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

Monday

Tuesday

Wednesday

Thursday

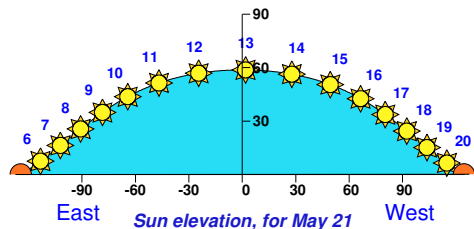
Friday

Saturday

Sunday

						1 91 - 274 06:35 - 19:33 43°
2 92 - 273 06:33 - 19:34 44°	3 93 - 272 Polar Night	4 94 - 271 06:28 - 19:38 44°	5 95 - 270 06:26 - 19:39 45°	6 96 - 269 06:24 - 19:41 45°	7 97 - 268 06:22 - 19:43 45°	8 98 - 267 06:19 - 19:44 46°
9 99 - 266 06:17 - 19:46 46°	10 100 - 265 06:15 - 19:48 47°	11 101 - 264 06:13 - 19:49 47°	12 102 - 263 06:11 - 19:51 47°	13 103 - 262 06:08 - 19:53 48°	14 104 - 261 06:06 - 19:54 48°	15 105 - 260 06:04 - 19:56 48°
16 106 - 259 06:02 - 19:58 49°	17 107 - 258 06:00 - 19:59 49°	18 108 - 257 05:58 - 20:01 49°	19 109 - 256 05:56 - 20:03 50°	20 110 - 255 05:54 - 20:04 50°	21 111 - 254 05:51 - 20:06 50°	22 112 - 253 05:49 - 20:08 51°
23 113 - 252 05:47 - 20:09 51°	24 114 - 251 05:45 - 20:11 51°	25 115 - 250 05:43 - 20:13 52°	26 116 - 249 05:41 - 20:14 52°	27 117 - 248 05:39 - 20:16 52°	28 118 - 247 05:37 - 20:18 53°	29 119 - 246 05:35 - 20:19 53°
30 120 - 245 05:34 - 20:21 53°						

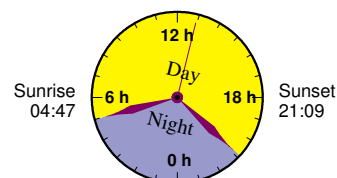
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



May 2018

Londres

0.17°E, 51.5°N



Duration of the day, for May 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

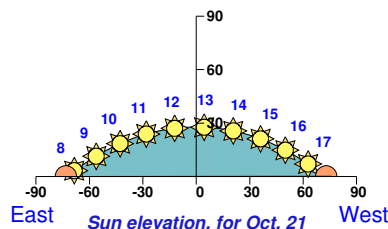
20

21

22

	1 121 - 244 05:32 - 20:23 54°	2 122 - 243 05:30 - 20:24 54°	3 123 - 242 05:28 - 20:26 54°	4 124 - 241 05:26 - 20:28 55°	5 125 - 240 05:24 - 20:29 55°	6 126 - 239 05:23 - 20:31 55°
7 127 - 238 05:21 - 20:32 55°	8 128 - 237 05:19 - 20:34 56°	9 129 - 236 05:17 - 20:36 56°	10 130 - 235 05:16 - 20:37 56°	11 131 - 234 05:14 - 20:39 56°	12 132 - 233 05:13 - 20:40 57°	13 133 - 232 05:11 - 20:42 57°
14 134 - 231 05:09 - 20:43 57°	15 135 - 230 05:08 - 20:45 57°	16 136 - 229 05:06 - 20:46 58°	17 137 - 228 05:05 - 20:48 58°	18 138 - 227 05:04 - 20:49 58°	19 139 - 226 05:02 - 20:51 58°	20 140 - 225 05:01 - 20:52 59°
21 141 - 224 05:00 - 20:53 59°	22 142 - 223 04:58 - 20:55 59°	23 143 - 222 04:57 - 20:56 59°	24 144 - 221 04:56 - 20:58 59°	25 145 - 220 04:55 - 20:59 59°	26 146 - 219 04:54 - 21:00 60°	27 147 - 218 04:53 - 21:01 60°
28 148 - 217 04:52 - 21:03 60°	29 149 - 216 04:51 - 21:04 60°	30 150 - 215 04:50 - 21:05 60°	31 151 - 214 04:49 - 21:06 60°			

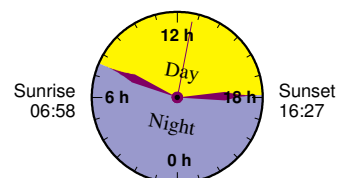
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



October 2018

Londres

0.17°E, 51.5°N



Duration of the day, for October 21

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

Time change October 28

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

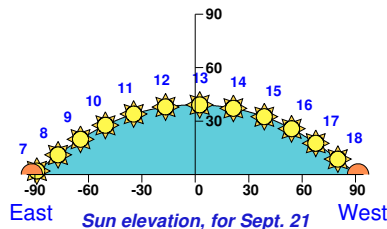
42

43

44

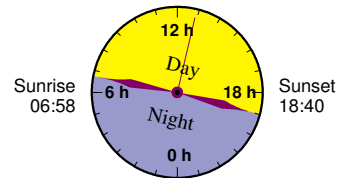
1 274 - 91 07:00 - 18:37 35°	2 275 - 90 07:02 - 18:35 35°	3 276 - 89 07:03 - 18:33 34°	4 277 - 88 07:05 - 18:31 34°	5 278 - 87 07:06 - 18:28 34°	6 279 - 86 07:08 - 18:26 33°	7 280 - 85 07:10 - 18:24 33°
8 281 - 84 07:11 - 18:22 33°	9 282 - 83 07:13 - 18:20 32°	10 283 - 82 07:15 - 18:17 32°	11 284 - 81 07:16 - 18:15 31°	12 285 - 80 07:18 - 18:13 31°	13 286 - 79 07:20 - 18:11 31°	14 287 - 78 07:22 - 18:09 30°
15 288 - 77 07:23 - 18:06 30°	16 289 - 76 07:25 - 18:04 30°	17 290 - 75 07:27 - 18:02 29°	18 291 - 74 07:28 - 18:00 29°	19 292 - 73 07:30 - 17:58 28°	20 293 - 72 07:32 - 17:56 28°	21 294 - 71 07:34 - 17:54 28°
22 295 - 70 07:35 - 17:52 27°	23 296 - 69 07:37 - 17:50 27°	24 297 - 68 07:39 - 17:48 27°	25 298 - 67 07:40 - 17:46 26°	26 299 - 66 07:42 - 17:44 26°	27 300 - 65 07:44 - 17:42 26°	28 301 - 64 06:46 - 16:40 25°
29 302 - 63 06:47 - 16:38 25°	30 303 - 62 06:49 - 16:36 25°	31 304 - 61 06:51 - 16:34 24°				

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September 2018

Londres
0.17°E, 51.5°N



Duration of the day, for September 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

36

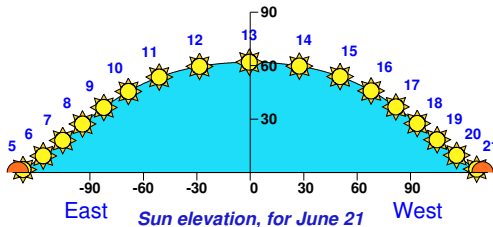
37

38

39

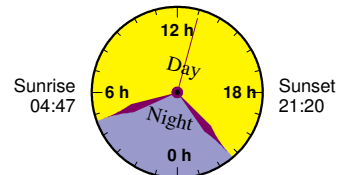
1 244 - 121 06:12 - 19:46 47°	2 245 - 120 06:13 - 19:44 46°
3 246 - 119 06:15 - 19:42 46°	4 247 - 118 06:17 - 19:39 46°
5 248 - 117 06:18 - 19:37 45°	6 249 - 116 06:20 - 19:35 45°
7 250 - 115 06:21 - 19:33 44°	8 251 - 114 06:23 - 19:30 44°
9 252 - 113 06:25 - 19:28 44°	10 253 - 112 06:26 - 19:26 43°
11 254 - 111 06:28 - 19:23 43°	12 255 - 110 06:29 - 19:21 43°
13 256 - 109 06:31 - 19:19 42°	14 257 - 108 06:33 - 19:17 42°
15 258 - 107 06:34 - 19:14 41°	16 259 - 106 06:36 - 19:12 41°
17 260 - 105 06:37 - 19:10 41°	18 261 - 104 06:39 - 19:07 40°
19 262 - 103 06:41 - 19:05 40°	20 263 - 102 06:42 - 19:03 40°
21 264 - 101 06:44 - 19:00 39°	22 265 - 100 06:45 - 18:58 39°
23 266 - 99 06:47 - 18:56 38°	24 267 - 98 06:49 - 18:54 38°
25 268 - 97 06:50 - 18:51 38°	26 269 - 96 06:52 - 18:49 37°
27 270 - 95 06:53 - 18:47 37°	28 271 - 94 06:55 - 18:44 36°
29 272 - 93 06:57 - 18:42 36°	30 273 - 92 06:58 - 18:40 36°

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June 2018

Londres
0.17°E, 51.5°N



Duration of the day, for June 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

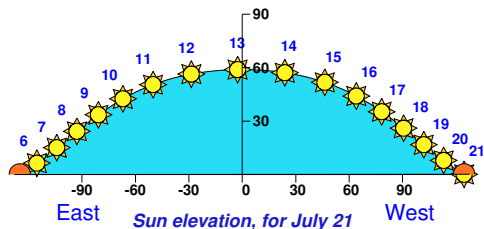
24

25

26

1 152 - 213 04:48 - 21:07 61°	2 153 - 212 04:47 - 21:08 61°	3 154 - 211 04:47 - 21:09 61°
4 155 - 210 04:46 - 21:10 61°	5 156 - 209 04:45 - 21:11 61°	6 157 - 208 04:45 - 21:12 61°
7 158 - 207 04:44 - 21:13 61°	8 159 - 206 04:44 - 21:14 61°	9 160 - 205 04:43 - 21:15 61°
10 161 - 204 04:43 - 21:15 62°	11 162 - 203 04:43 - 21:16 62°	12 163 - 202 04:42 - 21:17 62°
13 164 - 201 04:42 - 21:17 62°	14 165 - 200 04:42 - 21:18 62°	15 166 - 199 04:42 - 21:18 62°
16 167 - 198 04:42 - 21:19 62°	17 168 - 197 04:42 - 21:19 62°	18 169 - 196 04:42 - 21:20 62°
19 170 - 195 04:42 - 21:20 62°	20 171 - 194 04:42 - 21:20 62°	21 172 - 193 04:42 - 21:20 62°
22 173 - 192 04:42 - 21:21 62°	23 174 - 191 04:43 - 21:21 62°	24 175 - 190 04:43 - 21:21 62°
25 176 - 189 04:43 - 21:21 62°	26 177 - 188 04:44 - 21:21 62°	27 178 - 187 04:44 - 21:21 62°
28 179 - 186 04:45 - 21:21 62°	29 180 - 185 04:45 - 21:20 62°	30 181 - 184 04:46 - 21:20 62°

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July 2018

Londres
0.17°E, 51.5°N



Duration of the day, for July 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

28

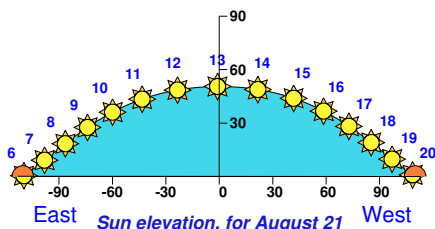
29

30

31

						1 182 - 183 04:47 - 21:20 62°
2 183 - 182 04:47 - 21:19 62° 	3 184 - 181 04:48 - 21:19 61° 	4 185 - 180 04:49 - 21:19 61° 	5 186 - 179 04:50 - 21:18 61° 	6 187 - 178 04:50 - 21:18 61° 	7 188 - 177 04:51 - 21:17 61° 	8 189 - 176 04:52 - 21:16 61°
9 190 - 175 04:53 - 21:16 61° 	10 191 - 174 04:54 - 21:15 61° 	11 192 - 173 04:55 - 21:14 61° 	12 193 - 172 04:56 - 21:13 60° 	13 194 - 171 04:57 - 21:12 60° 	14 195 - 170 04:59 - 21:11 60° 	15 196 - 169 05:00 - 21:10 60°
16 197 - 168 05:01 - 21:09 60° 	17 198 - 167 05:02 - 21:08 60° 	18 199 - 166 05:03 - 21:07 59° 	19 200 - 165 05:05 - 21:06 59° 	20 201 - 164 05:06 - 21:05 59° 	21 202 - 163 05:07 - 21:04 59° 	22 203 - 162 05:09 - 21:02 59°
23 204 - 161 05:10 - 21:01 59° 	24 205 - 160 05:11 - 21:00 58° 	25 206 - 159 05:13 - 20:58 58° 	26 207 - 158 05:14 - 20:57 58° 	27 208 - 157 05:16 - 20:55 58° 	28 209 - 156 05:17 - 20:54 57° 	29 210 - 155 05:19 - 20:52 57°
30 211 - 154 05:20 - 20:51 57° 	31 212 - 153 05:22 - 20:49 57° 					

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



August 2018

Londres
0.17°E, 51.5°N



Duration of the day, for August 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

34

35

		1 213 - 152 05:23 - 20:48 56° 	2 214 - 151 05:25 - 20:46 56° 	3 215 - 150 05:26 - 20:44 56° 	4 216 - 149 05:28 - 20:43 56° 	5 217 - 148 05:29 - 20:41 55°
6 218 - 147 05:31 - 20:39 55° 	7 219 - 146 05:32 - 20:37 55° 	8 220 - 145 05:34 - 20:35 55° 	9 221 - 144 05:35 - 20:34 54° 	10 222 - 143 05:37 - 20:32 54° 	11 223 - 142 05:38 - 20:30 54° 	12 224 - 141 05:40 - 20:28 53°
13 225 - 140 05:42 - 20:26 53° 	14 226 - 139 05:43 - 20:24 53° 	15 227 - 138 05:45 - 20:22 52° 	16 228 - 137 05:46 - 20:20 52° 	17 229 - 136 05:48 - 20:18 52° 	18 230 - 135 05:50 - 20:16 52° 	19 231 - 134 05:51 - 20:14 51°
20 232 - 133 05:53 - 20:12 51° 	21 233 - 132 05:54 - 20:10 51° 	22 234 - 131 05:56 - 20:08 50° 	23 235 - 130 05:57 - 20:06 50° 	24 236 - 129 05:59 - 20:04 50° 	25 237 - 128 06:01 - 20:01 49° 	26 238 - 127 06:02 - 19:59 49°
27 239 - 126 06:04 - 19:57 48° 	28 240 - 125 06:05 - 19:55 48° 	29 241 - 124 06:07 - 19:53 48° 	30 242 - 123 06:09 - 19:51 47° 	31 243 - 122 06:10 - 19:48 47° 		

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