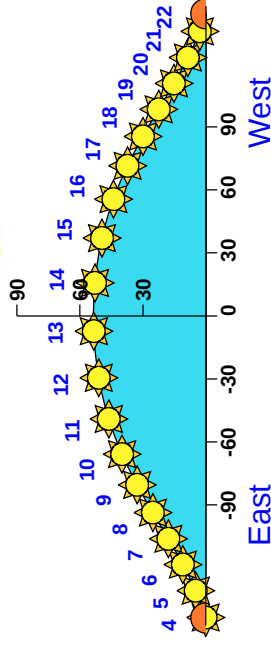


Sun Calendar 2016

Produced by *ScientiDev*
www.scientidev.fr



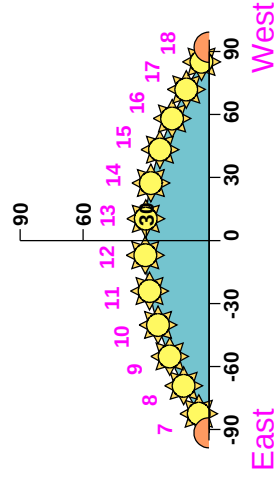
Summer



June 21

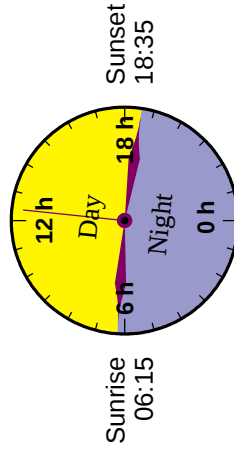


Spring



March 21

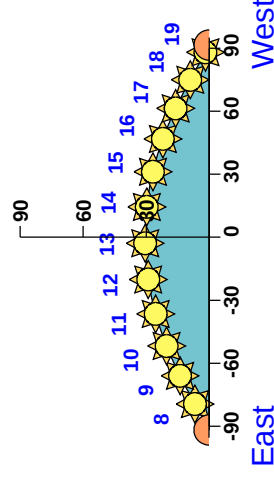
Day duration 12:20



Spring Equinox

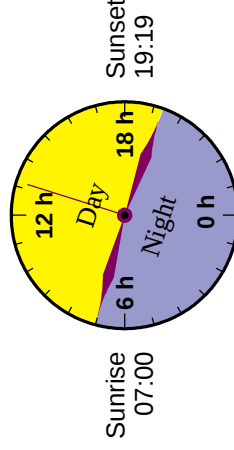


Autumn



Sept. 21

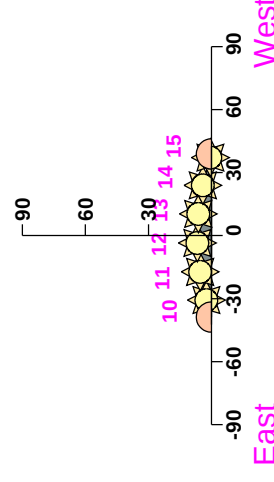
Day duration 12:19



Autumn Equinox

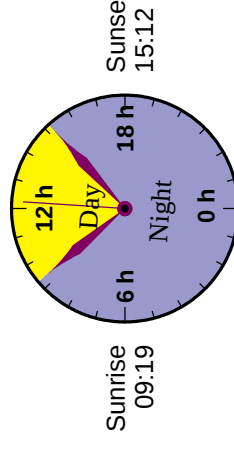


Winter



Dec. 21

Day duration 5:53



Winter Solstice

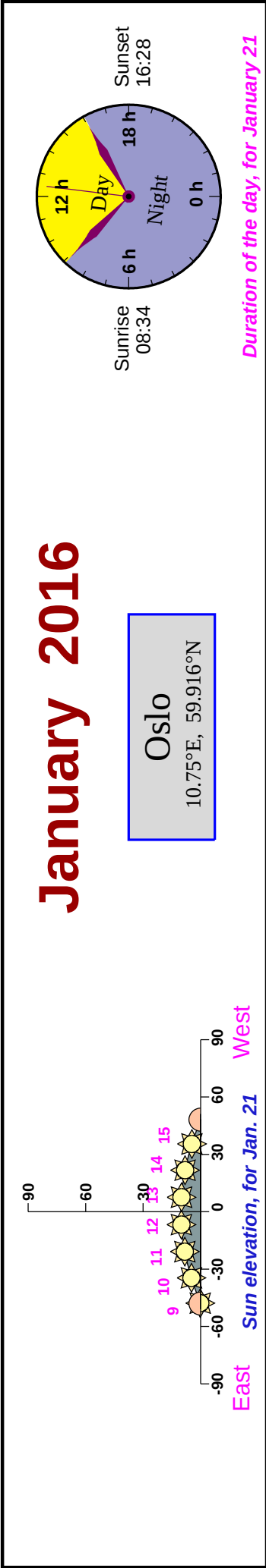
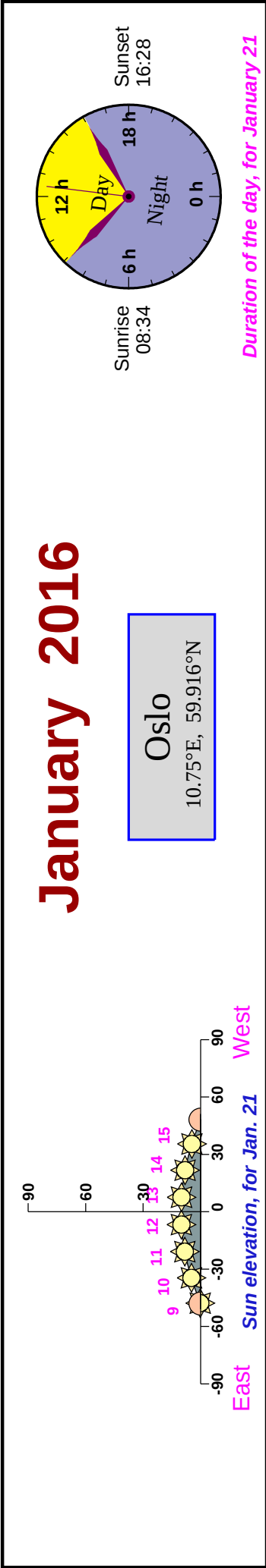
Oslo

10.75°E, 59.916°N

January 2016

Oslo
10.75°E, 59.916°N

Sun elevation, for Jan. 21



January 2016

Oslo
10.75°E, 59.916°N

Sun elevation, for Jan. 21

East West

Duration of the day, for January 21

January 2016

Oslo
10.75°E, 59.916°N

Sun elevation, for Jan. 21

East West

Duration of the day, for January 21

January 2016

Oslo
10.75°E, 59.916°N

Sun elevation, for Jan. 21

East West

Duration of the day, for January 21

January 2016

Oslo
10.75°E, 59.916°N

Sun elevation, for Jan. 21

East West

Duration of the day, for January 21

January 2016

Oslo
10.75°E, 59.916°N

Sun elevation, for Jan. 21

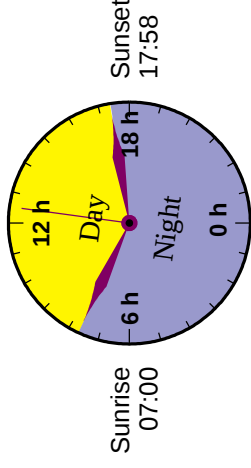
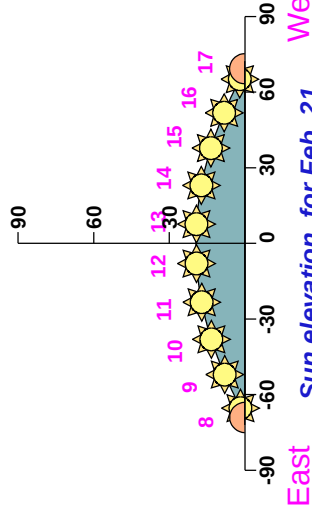
East West

Duration of the day, for January 21

February 2016

Oslo

10.75°E, 59.916°N



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

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

Sunrise and Sunset at Oslo (TL ± 1 mn)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 32 - 334
08:32 - 16:30
7:58 +5 m. 13°

6

8 39 - 327
08:15 - 16:49
8:33 +5 m. 15°

7

15 46 - 320
07:57 - 17:07
9:10 +5 m. 17°

8

22 53 - 313
07:37 - 17:25
9:47 +5 m. 20°

9

29 60 - 306
07:17 - 17:43
10:26 +6 m. 22°

10

2 33 - 333
08:30 - 16:33
8:03 +5 m. 13°

9 40 - 326
08:12 - 16:51
8:38 +5 m. 15°

16 47 - 319
07:54 - 17:10
9:15 +5 m. 18°

23 54 - 312
07:35 - 17:28
9:53 +6 m. 20°

3 34 - 332
08:27 - 16:35
8:08 +5 m. 14°

10 41 - 325
08:10 - 16:54
8:44 +6 m. 16°

17 48 - 318
07:51 - 17:12
9:21 +6 m. 18°

24 55 - 311
07:32 - 17:30
9:58 +5 m. 21°

4 35 - 331
08:25 - 16:38
8:13 +5 m. 14°

11 42 - 324
08:07 - 16:56
8:49 +5 m. 16°

18 49 - 317
07:48 - 17:15
9:26 +5 m. 18°

25 56 - 310
07:29 - 17:33
10:04 +6 m. 21°

5 36 - 330
08:22 - 16:41
8:18 +5 m. 14°

12 43 - 323
08:05 - 16:59
8:54 +5 m. 16°

19 50 - 316
07:46 - 17:17
9:31 +5 m. 19°

26 57 - 309
07:26 - 17:35
10:09 +5 m. 21°

6 37 - 329
08:20 - 16:43
8:23 +5 m. 14°

13 44 - 322
08:02 - 17:02
8:59 +5 m. 17°

20 51 - 315
07:43 - 17:20
9:37 +6 m. 19°

27 58 - 308
07:23 - 17:38
10:15 +6 m. 22°

7 38 - 328
08:17 - 16:46
8:28 +5 m. 15°

14 45 - 321
07:59 - 17:04
9:05 +6 m. 17°

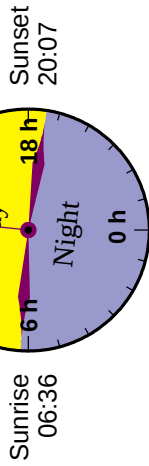
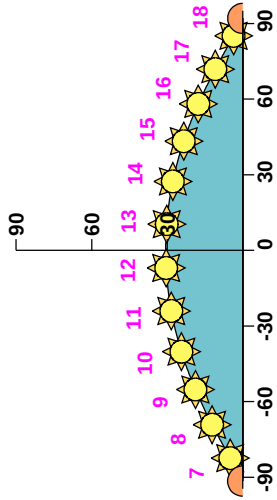
21 52 - 314
07:40 - 17:23
9:42 +5 m. 19°

28 59 - 307
07:20 - 17:41
10:20 +5 m. 22°

March 2016

Oslo

10.75°E, 59.916°N



East Sun elevation, for March 21 West

Duration of the day, for March 21

Sunrise and Sunset at Oslo (TL $\pm$ 1 mn)

Time change March 27

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

10

11

12

13

14

7	67 - 299 06:57 - 18:01 11:04 +6 m. 25°
14	74 - 292 06:36 - 18:18 11:42 +5 m. 28°
21	81 - 285 06:15 - 18:35 12:20 +5 m. 31°
28	88 - 278 06:54 - 19:52 12:58 +5 m. 33°

1	61 - 305 07:14 - 17:46 10:31 +5 m. 23°
8	68 - 298 06:54 - 18:03 11:09 +5 m. 26°
15	75 - 291 06:33 - 18:20 11:48 +6 m. 28°
22	82 - 284 06:12 - 18:37 12:26 +6 m. 31°
29	89 - 277 06:51 - 19:54 13:04 +6 m. 34°

2	62 - 304 07:12 - 17:48 10:37 +6 m. 23°
9	69 - 297 06:51 - 18:06 11:15 +6 m. 26°
16	76 - 290 06:30 - 18:23 11:53 +5 m. 29°
23	83 - 283 06:09 - 18:40 12:31 +5 m. 31°
30	90 - 276 06:48 - 19:57 13:09 +5 m. 34°

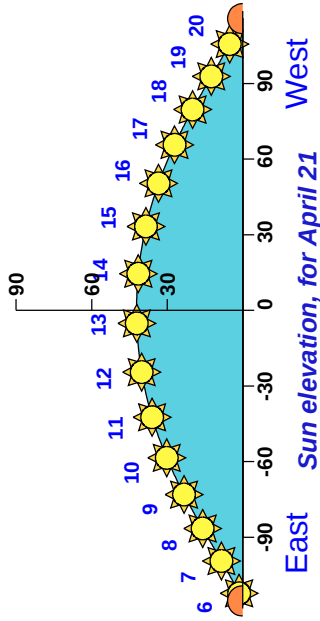
3	63 - 303 07:09 - 17:51 10:42 +5 m. 24°
10	70 - 296 06:48 - 18:08 11:20 +5 m. 26°
17	77 - 289 06:27 - 18:25 11:58 +5 m. 29°
24	84 - 282 06:06 - 18:42 12:37 +6 m. 32°
31	91 - 275 06:45 - 19:59 13:15 +6 m. 35°

4	64 - 302 07:06 - 17:53 10:47 +5 m. 24°
11	71 - 295 06:45 - 18:11 11:26 +6 m. 27°
18	78 - 288 06:24 - 18:28 12:04 +6 m. 30°
25	85 - 281 06:03 - 18:45 12:42 +5 m. 32°

5	65 - 301 07:03 - 17:56 10:53 +6 m. 24°
12	72 - 294 06:42 - 18:13 11:31 +5 m. 27°
19	79 - 287 06:21 - 18:30 12:09 +5 m. 30°
26	86 - 280 06:00 - 18:47 12:47 +5 m. 33°

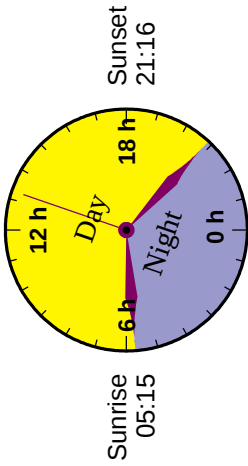
6	66 - 300 07:00 - 17:58 10:58 +5 m. 25°
13	73 - 293 06:39 - 18:15 11:37 +6 m. 27°
20	80 - 286 06:18 - 18:33 12:15 +6 m. 30°
27	87 - 279 06:57 - 19:50 12:53 +6 m. 33°

April 2016



Oslo

10.75°E, 59.916°N



Sunrise and Sunset at Oslo (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

14

15

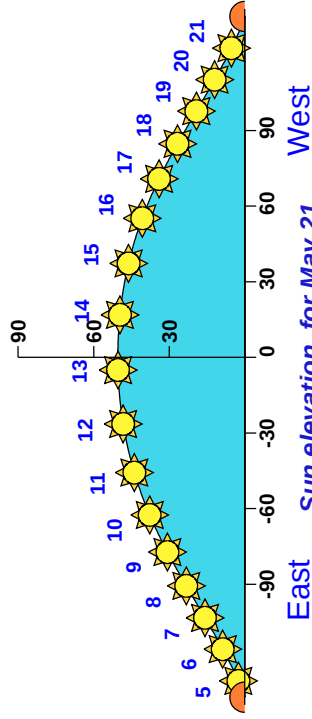
16

17

18

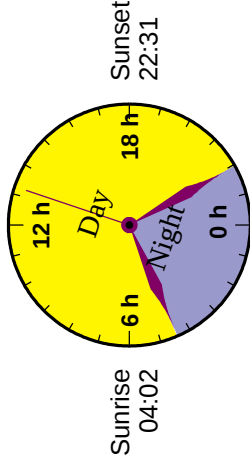
4 95 - 271 06:33 - 20:09 13:37 +6 m. 36°	5 96 - 270 06:30 - 20:11 13:42 +5 m. 36°	6 97 - 269 06:27 - 20:14 13:47 +5 m. 37°	7 98 - 268 06:24 - 20:16 13:53 +6 m. 37°	8 99 - 267 06:21 - 20:19 13:58 +5 m. 38°	9 100 - 266 06:18 - 20:21 14:04 +6 m. 38°	10 101 - 265 06:15 - 20:24 14:09 +5 m. 38°
11 102 - 264 06:12 - 20:26 14:14 +5 m. 39°	12 103 - 263 06:09 - 20:29 14:20 +6 m. 39°	13 104 - 262 06:06 - 20:31 14:25 +5 m. 39°	14 105 - 261 06:03 - 20:33 14:31 +6 m. 40°	15 106 - 260 06:00 - 20:36 14:36 +5 m. 40°	16 107 - 259 05:57 - 20:38 14:42 +6 m. 40°	17 108 - 258 05:54 - 20:41 14:47 +5 m. 41°
18 109 - 257 05:51 - 20:43 14:52 +5 m. 41°	19 110 - 256 05:48 - 20:46 14:58 +6 m. 42°	20 111 - 255 05:45 - 20:48 15:03 +5 m. 42°	21 112 - 254 05:43 - 20:51 15:08 +5 m. 42°	22 113 - 253 05:40 - 20:53 15:14 +6 m. 43°	23 114 - 252 05:37 - 20:56 15:19 +5 m. 43°	24 115 - 251 05:34 - 20:58 15:24 +5 m. 43°
25 116 - 250 05:31 - 21:01 15:29 +5 m. 44°	26 117 - 249 05:28 - 21:03 15:35 +6 m. 44°	27 118 - 248 05:26 - 21:06 15:40 +5 m. 44°	28 119 - 247 05:23 - 21:08 15:45 +5 m. 44°	29 120 - 246 05:20 - 21:11 15:51 +6 m. 45°	30 121 - 245 05:17 - 21:13 15:56 +5 m. 45°	

May 2016



Oslo

10.75°E, 59.916°N



Sun elevation, for May 21

Duration of the day, for May 21

Sunrise and Sunset at Oslo (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

20

21

22

23

2	123 - 243 05:12 - 21:18	16:06	+5 m.	46°
9	130 - 236 04:54 - 21:35	16:41	+4 m.	48°
16	137 - 229 04:37 - 21:52	17:15	+5 m.	49°
23	144 - 222 04:22 - 22:07	17:45	+4 m.	51°
30	151 - 215 04:10 - 22:21	18:11	+3 m.	52°

3	124 - 242 05:09 - 21:20	16:11	+5 m.	46°
10	131 - 235 04:51 - 21:38	16:46	+5 m.	48°
17	138 - 228 04:35 - 21:54	17:19	+4 m.	50°
24	145 - 221 04:20 - 22:09	17:49	+4 m.	51°
31	152 - 214 04:08 - 22:23	18:15	+4 m.	52°

4	125 - 241 05:07 - 21:23	16:16	+5 m.	46°
11	132 - 234 04:49 - 21:40	16:51	+5 m.	48°
18	139 - 227 04:33 - 21:56	17:24	+5 m.	50°
25	146 - 220 04:18 - 22:11	17:53	+4 m.	51°

5	126 - 240 05:04 - 21:25	16:21	+5 m.	47°
12	133 - 233 04:46 - 21:42	16:56	+5 m.	48°
19	140 - 226 04:30 - 21:59	17:28	+4 m.	50°
26	147 - 219 04:17 - 22:13	17:57	+4 m.	51°

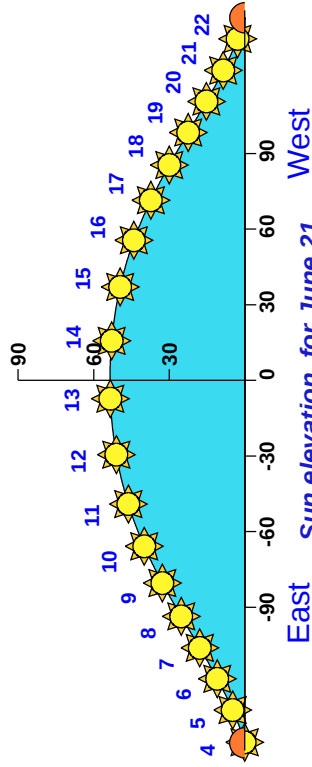
6	127 - 239 05:01 - 21:28	16:26	+5 m.	47°
13	134 - 232 04:44 - 21:45	17:01	+5 m.	49°
20	141 - 225 04:28 - 22:01	17:33	+5 m.	50°
27	148 - 218 04:15 - 22:15	18:01	+4 m.	52°

7	128 - 238 04:59 - 21:30	16:31	+5 m.	47°
14	135 - 231 04:42 - 21:47	17:06	+5 m.	49°
21	142 - 224 04:26 - 22:03	17:37	+4 m.	50°
28	149 - 217 04:13 - 22:17	18:04	+3 m.	52°

8	129 - 237 04:56 - 21:33	16:37	+6 m.	47°
15	136 - 230 04:39 - 21:49	17:10	+4 m.	49°
22	143 - 223 04:24 - 22:05	17:41	+4 m.	51°
29	150 - 216 04:11 - 22:19	18:08	+4 m.	52°

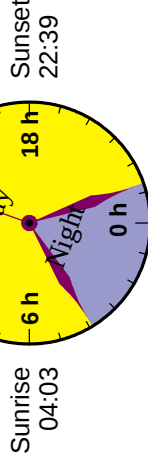
1	122 - 244 05:15 - 21:16	16:01	+5 m.	45°
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June 2016



Oslo

10.75°E, 59.916°N



East Sun elevation, for June 21

Duration of the day, for June 21

Sunrise and Sunset at Oslo (TL $\pm$ 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

23

24

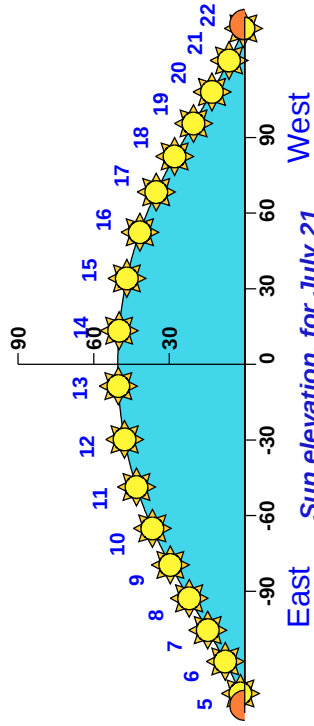
25

26

27

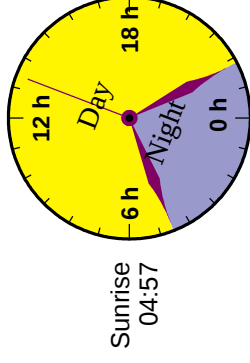
6 158 - 208 04:00 - 22:32 18:32 +3 m. 53°	7 159 - 207 03:59 - 22:34 18:34 +2 m. 53°	8 160 - 206 03:59 - 22:35 18:36 +2 m. 53°	2 154 - 212 04:05 - 22:26 18:21 +3 m. 52°	3 155 - 211 04:04 - 22:28 18:24 +3 m. 52°	4 156 - 210 04:03 - 22:29 18:27 +3 m. 53°	5 157 - 209 04:02 - 22:31 18:29 +2 m. 53°
13 165 - 201 03:55 - 22:40 18:45 +1 m. 53°	14 166 - 200 03:55 - 22:41 18:46 +1 m. 53°	15 167 - 199 03:54 - 22:42 18:48 +2 m. 53°	9 161 - 205 03:58 - 22:36 18:39 +3 m. 53°	10 162 - 204 03:57 - 22:37 18:40 +1 m. 53°	11 163 - 203 03:56 - 22:38 18:42 +2 m. 53°	12 164 - 202 03:56 - 22:39 18:44 +2 m. 53°
20 172 - 194 03:54 - 22:44 18:50 +0 m. 54°	21 173 - 193 03:54 - 22:44 18:50 +0 m. 54°	22 174 - 192 03:54 - 22:44 18:50 +0 m. 54°	16 168 - 198 03:54 - 22:42 18:48 +0 m. 53°	17 169 - 197 03:54 - 22:43 18:49 +1 m. 53°	18 170 - 196 03:54 - 22:43 18:50 +1 m. 54°	19 171 - 195 03:54 - 22:44 18:50 +0 m. 54°
27 179 - 187 03:57 - 22:43 18:46 -1 m. 53°	28 180 - 186 03:58 - 22:43 18:45 -1 m. 53°	29 181 - 185 03:59 - 22:42 18:44 -1 m. 53°	23 175 - 191 03:55 - 22:44 18:50 +0 m. 54°	24 176 - 190 03:55 - 22:44 18:49 -1 m. 53°	25 177 - 189 03:56 - 22:44 18:48 -1 m. 53°	26 178 - 188 03:56 - 22:44 18:47 -1 m. 53°
			30 182 - 184 04:00 - 22:42 18:42 -2 m. 53°			

July 2016



Oslo

10.75°E, 59.916°N



Sunrise
04:57

Sunset
21:49

Sun elevation, for July 21

Duration of the day, for July 21

Sunrise and Sunset at Oslo (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

27

28

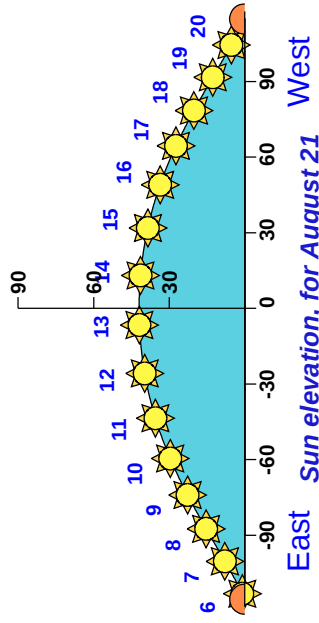
29

30

31

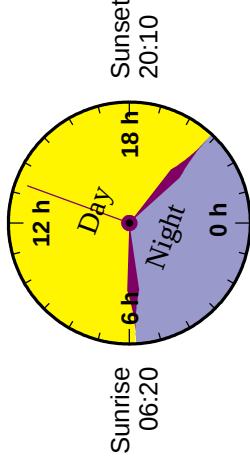
4	5	6	7	8	1	2	3
186 - 180 04:04 - 22:38	187 - 179 04:06 - 22:37	188 - 178 04:07 - 22:36	189 - 177 04:08 - 22:35	190 - 176 04:10 - 22:34	183 - 183 04:01 - 22:41	184 - 182 04:02 - 22:40	185 - 181 04:03 - 22:39
18:34 -2 m. 53°	18:32 -2 m. 53°	18:29 -3 m. 53°	18:27 -2 m. 53°	18:24 -3 m. 52°	18:40 -2 m. 53°	18:38 -2 m. 53°	18:36 -2 m. 53°
11	12	13	14	15	16	17	10
193 - 173 04:15 - 22:29	194 - 172 04:17 - 22:28	195 - 171 04:18 - 22:26	196 - 170 04:20 - 22:25	197 - 169 04:22 - 22:23	198 - 168 04:24 - 22:21	191 - 175 04:12 - 22:32	192 - 174 04:13 - 22:31
18:15 -3 m. 52°	18:11 -4 m. 52°	18:08 -3 m. 52°	18:04 -4 m. 52°	18:01 -3 m. 52°	197 - 169 04:22 - 22:23	191 - 175 04:12 - 22:32	192 - 174 04:13 - 22:31
18	19	20	21	22	23	24	17
200 - 166 04:28 - 22:17	201 - 165 04:30 - 22:15	202 - 164 04:32 - 22:13	203 - 163 04:34 - 22:11	204 - 162 04:37 - 22:09	205 - 161 04:39 - 22:07	206 - 160 04:41 - 22:05	199 - 167 04:26 - 22:19
17:49 -4 m. 51°	17:45 -4 m. 51°	17:41 -4 m. 51°	17:37 -4 m. 50°	17:33 -4 m. 50°	204 - 162 04:37 - 22:09	205 - 161 04:39 - 22:07	199 - 167 04:26 - 22:19
25	26	27	28	29	30	31	16
207 - 159 04:43 - 22:03	208 - 158 04:45 - 22:00	209 - 157 04:48 - 21:58	210 - 156 04:50 - 21:56	211 - 155 04:52 - 21:53	212 - 154 04:55 - 21:51	213 - 153 04:57 - 21:49	198 - 168 04:24 - 22:21
17:20 -4 m. 50°	17:15 -5 m. 49°	17:11 -4 m. 49°	17:06 -5 m. 49°	17:01 -5 m. 49°	211 - 155 04:52 - 21:53	212 - 154 04:55 - 21:51	198 - 168 04:24 - 22:21

August 2016



Oslo

10.75°E, 59.916°N



East Sun elevation, for August 21

Duration of the day, for August 21

Sunrise and Sunset at Oslo (TL $\pm$ 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 214 - 152
04:59 - 21:46
16:47 -5 m. 48°

32

8 221 - 145
05:16 - 21:28
16:12 -5 m. 46°

33

15 228 - 138
05:33 - 21:09
15:36 -5 m. 44°

34

22 235 - 131
05:49 - 20:49
15:00 -5 m. 42°

35

29 242 - 124
06:06 - 20:28
14:23 -5 m. 39°

36

2 215 - 151
05:02 - 21:44
16:42 -5 m. 48°

9 222 - 144
05:18 - 21:25
16:07 -5 m. 46°

16 229 - 137
05:35 - 21:06
15:31 -5 m. 44°

23 236 - 130
05:52 - 20:46
14:54 -6 m. 41°

30 243 - 123
06:08 - 20:25
14:17 -6 m. 39°

3 216 - 150
05:04 - 21:41
16:37 -5 m. 47°

10 223 - 143
05:21 - 21:23
16:02 -5 m. 45°

17 230 - 136
05:37 - 21:03
15:26 -5 m. 43°

24 237 - 129
05:54 - 20:43
14:49 -5 m. 41°

31 244 - 122
06:11 - 20:22
14:12 -5 m. 38°

4 217 - 149
05:06 - 21:38
16:32 -5 m. 47°

11 224 - 142
05:23 - 21:20
15:57 -5 m. 45°

18 231 - 135
05:40 - 21:00
15:21 -5 m. 43°

25 238 - 128
05:56 - 20:40
14:44 -5 m. 41°

5 218 - 148
05:09 - 21:36
16:27 -5 m. 47°

12 225 - 141
05:25 - 21:17
15:52 -5 m. 45°

19 232 - 134
05:42 - 20:58
15:15 -6 m. 43°

26 239 - 127
05:59 - 20:37
14:38 -6 m. 40°

6 219 - 147
05:11 - 21:33
16:22 -5 m. 47°

13 226 - 140
05:28 - 21:14
15:47 -5 m. 45°

20 233 - 133
05:45 - 20:55
15:10 -5 m. 42°

27 240 - 126
06:01 - 20:34
14:33 -5 m. 40°

7 220 - 146
05:13 - 21:31
16:17 -5 m. 46°

14 227 - 139
05:30 - 21:12
15:41 -6 m. 44°

21 234 - 132
05:47 - 20:52
15:05 -5 m. 42°

28 241 - 125
06:04 - 20:31
14:28 -5 m. 40°

36



39

40

Duration of the day: for September 21

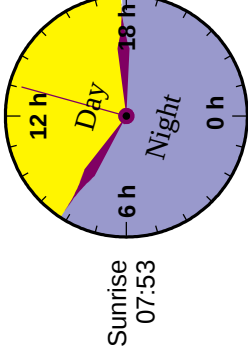
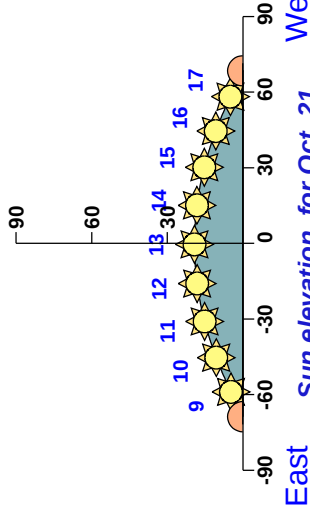
Duration of the day - Variation - Sun maximal elevation (°)

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

October 2016

Oslo

10.75°E, 59.916°N



East Sun elevation, for Oct. 21 West

Duration of the day, for October 21

Sunrise and Sunset at Oslo (TL $\pm$ 1 mn)

Time change October 30

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

42

43

44

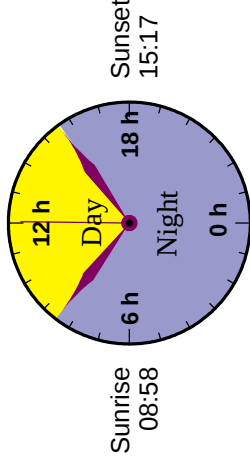
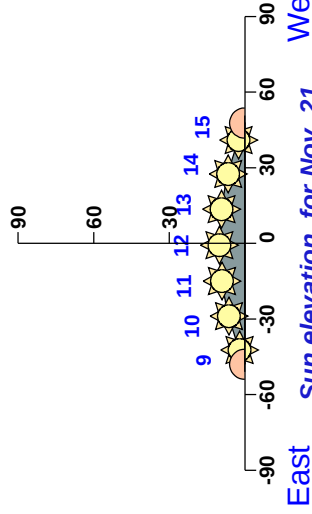
45

3 277 - 89 07:28 - 18:43 11:15 -5 m. 26°	4 278 - 88 07:30 - 18:40 11:09 -6 m. 26°	5 279 - 87 07:33 - 18:37 11:04 -5 m. 25°	6 280 - 86 07:35 - 18:34 10:59 -5 m. 25°	7 281 - 85 07:38 - 18:31 10:53 -6 m. 24°	8 282 - 84 07:40 - 18:28 10:48 -5 m. 24°	9 283 - 83 07:42 - 18:25 10:43 -5 m. 24°
10 284 - 82 07:45 - 18:22 10:37 -6 m. 23°	11 285 - 81 07:47 - 18:19 10:32 -5 m. 23°	12 286 - 80 07:50 - 18:16 10:26 -6 m. 22°	13 287 - 79 07:52 - 18:13 10:21 -5 m. 22°	14 288 - 78 07:55 - 18:10 10:16 -5 m. 22°	15 289 - 77 07:57 - 18:07 10:10 -6 m. 21°	16 290 - 76 08:00 - 18:05 10:05 -5 m. 21°
17 291 - 75 08:02 - 18:02 9:59 -6 m. 21°	18 292 - 74 08:05 - 17:59 9:54 -5 m. 20°	19 293 - 73 08:07 - 17:56 9:49 -5 m. 20°	20 294 - 72 08:10 - 17:53 9:43 -6 m. 20°	21 295 - 71 08:12 - 17:50 9:38 -5 m. 19°	22 296 - 70 08:15 - 17:48 9:33 -5 m. 19°	23 297 - 69 08:17 - 17:45 9:27 -6 m. 18°
24 298 - 68 08:20 - 17:42 9:22 -5 m. 18°	25 299 - 67 08:22 - 17:39 9:17 -5 m. 18°	26 300 - 66 08:25 - 17:37 9:12 -5 m. 17°	27 301 - 65 08:27 - 17:34 9:06 -6 m. 17°	28 302 - 64 08:30 - 17:31 9:01 -5 m. 17°	29 303 - 63 08:32 - 17:29 8:56 -5 m. 16°	30 304 - 62 07:35 - 16:26 8:51 -5 m. 16°
31 305 - 61 07:37 - 16:23 8:46 -5 m. 16°						

November 2016

Oslo

10.75°E, 59.916°N



East West

Sun elevation, for Nov. 21

Duration of the day, for November 21

Sunrise and Sunset at Oslo (TL $\pm$ 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

45

7
312 - 54
07:55 - 16:06
8:10 -5 m. 14°

46

14
319 - 47
08:13 - 15:50
7:36 -5 m. 12°

47

21
326 - 40
08:30 - 15:36
7:05 -4 m. 10°

48

28
333 - 33
08:46 - 15:24
6:38 -3 m. 9°

49

1
306 - 60
07:40 - 16:21
8:40 -6 m. 16°

8
313 - 53
07:58 - 16:03
8:05 -5 m. 13°

15
320 - 46
08:15 - 15:47
7:32 -4 m. 12°

22
327 - 39
08:32 - 15:34
7:01 -4 m. 10°

29
334 - 32
08:48 - 15:23
6:34 -4 m. 9°

2
307 - 59
07:42 - 16:18
8:35 -5 m. 15°

9
314 - 52
08:00 - 16:01
8:00 -5 m. 13°

16
321 - 45
08:18 - 15:45
7:27 -5 m. 11°

23
328 - 38
08:35 - 15:32
6:57 -4 m. 10°

30
335 - 31
08:50 - 15:21
6:31 -3 m. 8°

3
308 - 58
07:45 - 16:16
8:30 -5 m. 15°

10
315 - 51
08:03 - 15:59
7:55 -5 m. 13°

17
322 - 44
08:20 - 15:43
7:22 -5 m. 11°

24
329 - 37
08:37 - 15:30
6:53 -4 m. 10°

4
309 - 57
07:48 - 16:13
8:25 -5 m. 15°

11
316 - 50
08:05 - 15:56
7:50 -5 m. 13°

18
323 - 43
08:23 - 15:41
7:18 -4 m. 11°

25
330 - 36
Polar Night
6:41 -4 m. 9°

5
310 - 56
07:50 - 16:11
8:20 -5 m. 14°

12
317 - 49
08:08 - 15:54
7:46 -4 m. 12°

19
324 - 42
08:25 - 15:39
7:14 -4 m. 11°

26
331 - 35
08:42 - 15:27
6:45 +405 m. 9°

6
311 - 55
07:53 - 16:08
8:15 -5 m. 14°

13
318 - 48
08:10 - 15:52
7:41 -5 m. 12°

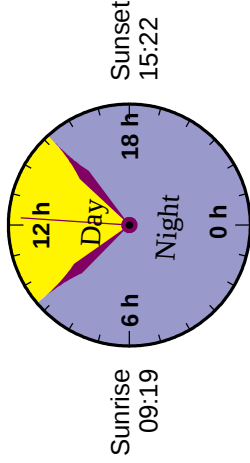
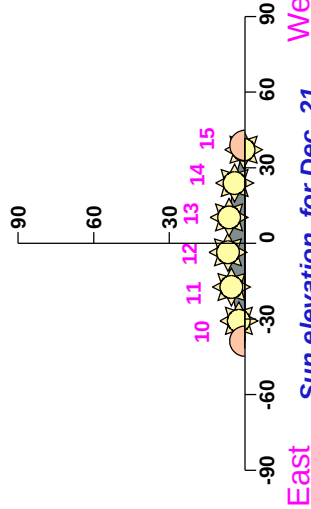
20
325 - 41
08:28 - 15:37
7:09 -5 m. 10°

27
332 - 34
08:44 - 15:26
6:41 -4 m. 9°

December 2016

Oslo

10.75°E, 59.916°N



Sunrise and Sunset at Oslo (TL ± 1 mn)

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

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
49	50	51	52	53		
5 340 - 26 09:00 - 15:16 6:16 -3 m. 8°	6 341 - 25 09:01 - 15:15 6:13 -3 m. 8°	7 342 - 24 09:03 - 15:14 6:11 -2 m. 8°	8 343 - 23 09:05 - 15:14 6:08 -3 m. 7°	9 344 - 22 09:06 - 15:13 6:06 -2 m. 7°	10 345 - 21 09:08 - 15:12 6:04 -2 m. 7°	11 346 - 20 09:09 - 15:12 6:02 -2 m. 7°
12 347 - 19 09:10 - 15:12 6:01 -1 m. 7°	13 348 - 18 09:12 - 15:11 5:59 -2 m. 7°	14 349 - 17 09:13 - 15:11 5:58 -1 m. 7°	15 350 - 16 09:14 - 15:11 5:57 -1 m. 7°	16 351 - 15 09:15 - 15:11 5:56 -1 m. 7°	17 352 - 14 09:16 - 15:11 5:55 -1 m. 7°	18 353 - 13 09:17 - 15:11 5:54 -1 m. 7°
19 354 - 12 09:17 - 15:12 5:54 +0 m. 7°	20 355 - 11 09:18 - 15:12 5:54 +0 m. 7°	21 356 - 10 09:19 - 15:12 5:53 -1 m. 7°	22 357 - 9 09:19 - 15:13 5:54 +1 m. 7°	23 358 - 8 09:19 - 15:14 5:54 +0 m. 7°	24 359 - 7 09:20 - 15:14 5:54 +0 m. 7°	25 360 - 6 09:20 - 15:15 5:55 +1 m. 7°
26 361 - 5 09:20 - 15:16 5:56 +1 m. 7°	27 362 - 4 09:20 - 15:17 5:57 +1 m. 7°	28 363 - 3 09:20 - 15:18 5:58 +1 m. 7°	29 364 - 2 09:20 - 15:19 5:59 +1 m. 7°	30 365 - 1 09:19 - 15:21 6:01 +2 m. 7°	31 366 - 0 09:19 - 15:22 6:02 +1 m. 7°	