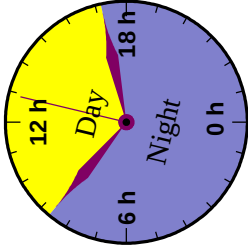
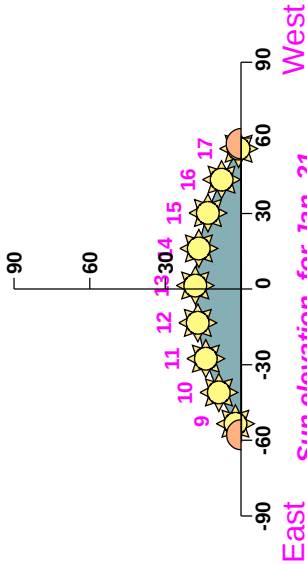


January 2013

Noordwijk
4.26°E, 52.14°N



Pink Sun elevation, for Jan. 21

Pink Duration of the day, for January 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1

7	7 - 358 08:50 - 16:49	7:58	+1 m.	16°
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2

14	14 - 351 08:46 - 16:59	8:13	+2 m.	17°
----	---------------------------	------	-------	-----

3

21	21 - 344 08:39 - 17:11	8:32	+3 m.	18°
----	---------------------------	------	-------	-----

4

28	28 - 337 08:29 - 17:23	8:54	+4 m.	20°
----	---------------------------	------	-------	-----

5

1	1 - 365 08:52 - 16:42	7:49	+1 m.	15°
---	--------------------------	------	-------	-----

8	8 - 357 08:50 - 16:50	8:00	+2 m.	16°
---	--------------------------	------	-------	-----

15	15 - 350 08:45 - 17:01	8:16	+3 m.	17°
----	---------------------------	------	-------	-----

22	22 - 343 08:37 - 17:13	8:35	+3 m.	18°
----	---------------------------	------	-------	-----

29	29 - 336 08:28 - 17:25	8:57	+3 m.	20°
----	---------------------------	------	-------	-----

2	2 - 363 08:52 - 16:43	7:51	+2 m.	15°
---	--------------------------	------	-------	-----

9	9 - 356 08:49 - 16:52	8:02	+2 m.	16°
---	--------------------------	------	-------	-----

16	16 - 349 08:44 - 17:03	8:18	+2 m.	17°
----	---------------------------	------	-------	-----

23	23 - 342 08:36 - 17:14	8:38	+3 m.	19°
----	---------------------------	------	-------	-----

30	30 - 335 08:26 - 17:27	9:00	+3 m.	20°
----	---------------------------	------	-------	-----

3	3 - 362 08:52 - 16:44	7:52	+1 m.	15°
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10	10 - 355 08:49 - 16:53	8:04	+2 m.	16°
----	---------------------------	------	-------	-----

17	17 - 348 08:43 - 17:04	8:21	+3 m.	17°
----	---------------------------	------	-------	-----

24	24 - 341 08:35 - 17:16	8:41	+3 m.	19°
----	---------------------------	------	-------	-----

31	31 - 334 08:25 - 17:29	9:04	+4 m.	21°
----	---------------------------	------	-------	-----

4	4 - 361 08:51 - 16:45	7:54	+2 m.	15°
---	--------------------------	------	-------	-----

11	11 - 354 08:48 - 16:55	8:06	+2 m.	16°
----	---------------------------	------	-------	-----

18	18 - 347 08:42 - 17:06	8:23	+2 m.	17°
----	---------------------------	------	-------	-----

25	25 - 340 08:34 - 17:18	8:44	+3 m.	19°
----	---------------------------	------	-------	-----

5	5 - 360 08:51 - 16:47	7:55	+1 m.	15°
---	--------------------------	------	-------	-----

12	12 - 353 08:47 - 16:56	8:09	+3 m.	16°
----	---------------------------	------	-------	-----

19	19 - 346 08:41 - 17:07	8:26	+3 m.	18°
----	---------------------------	------	-------	-----

26	26 - 339 08:32 - 17:20	8:47	+3 m.	19°
----	---------------------------	------	-------	-----

6	6 - 359 08:51 - 16:48	7:57	+2 m.	15°
---	--------------------------	------	-------	-----

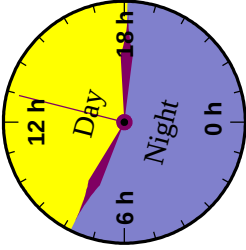
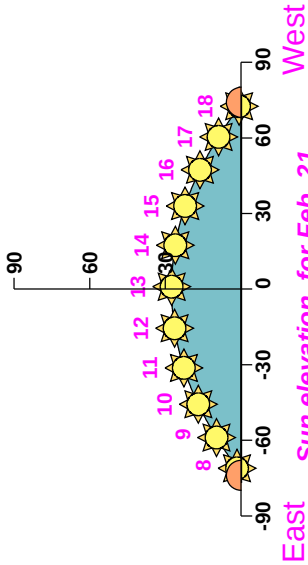
13	13 - 352 08:46 - 16:58	8:11	+2 m.	17°
----	---------------------------	------	-------	-----

20	20 - 345 08:40 - 17:09	8:29	+3 m.	18°
----	---------------------------	------	-------	-----

27	27 - 338 08:31 - 17:22	8:50	+3 m.	20°
----	---------------------------	------	-------	-----

February 2013

Noordwijk
4.26°E, 52.14°N



Duration of the day, for February 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

4	35 - 330 08:18 - 17:36	9:18	+4 m.	22°
11	42 - 323 08:06 - 17:49	9:43	+4 m.	24°

6

5	36 - 329 08:17 - 17:38	9:21	+3 m.	22°
12	43 - 322 08:04 - 17:51	9:47	+4 m.	24°

7

6	37 - 328 08:15 - 17:40	9:25	+4 m.	22°
13	44 - 321 08:02 - 17:53	9:51	+4 m.	25°

8

18	49 - 316 07:52 - 18:03	10:10	+3 m.	26°
25	56 - 309 07:38 - 18:16	10:38	+4 m.	29°

9

19	50 - 315 07:50 - 18:04	10:14	+4 m.	27°
26	57 - 308 07:35 - 18:17	10:42	+4 m.	29°

1	32 - 333 08:23 - 17:31	9:07	+3 m.	21°
8	39 - 326 08:11 - 17:44	9:32	+4 m.	23°

7	38 - 327 08:13 - 17:42	9:28	+3 m.	23°
14	45 - 320 08:00 - 17:55	9:54	+3 m.	25°

2	33 - 332 08:22 - 17:33	9:10	+3 m.	21°
9	40 - 325 08:10 - 17:46	9:36	+4 m.	23°

3	34 - 331 08:20 - 17:34	9:14	+4 m.	22°
10	41 - 324 08:08 - 17:48	9:39	+3 m.	24°

16	47 - 318 07:56 - 17:59	10:03	+5 m.	26°
23	54 - 311 07:42 - 18:12	10:30	+4 m.	28°

17	48 - 317 07:54 - 18:01	10:07	+4 m.	26°
24	55 - 310 07:40 - 18:14	10:34	+4 m.	29°

15	46 - 319 07:58 - 17:57	9:58	+4 m.	25°
22	53 - 312 07:44 - 18:10	10:26	+4 m.	28°

15	46 - 319 07:58 - 17:57	9:58	+4 m.	25°
22	53 - 312 07:44 - 18:10	10:26	+4 m.	28°

21	52 - 313 07:46 - 18:08	10:22	+4 m.	27°
28	59 - 306 07:31 - 18:21	10:50	+4 m.	30°

21	52 - 313 07:46 - 18:08	10:22	+4 m.	27°
28	59 - 306 07:31 - 18:21	10:50	+4 m.	30°

21	52 - 313 07:46 - 18:08	10:22	+4 m.	27°
28	59 - 306 07:31 - 18:21	10:50	+4 m.	30°

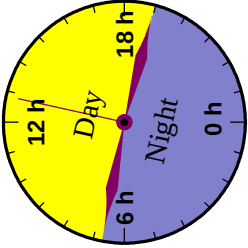
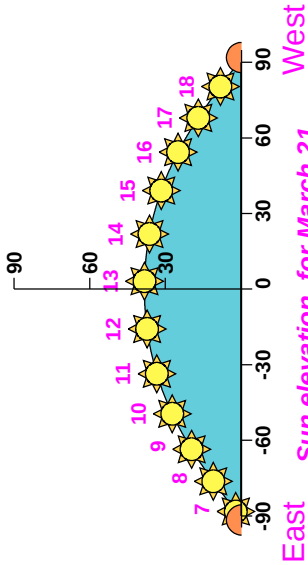
21	52 - 313 07:46 - 18:08	10:22	+4 m.	27°
28	59 - 306 07:31 - 18:21	10:50	+4 m.	30°

21	52 - 313 07:46 - 18:08	10:22	+4 m.	27°
28	59 - 306 07:31 - 18:21	10:50	+4 m.	30°

21	52 - 313 07:46 - 18:08	10:22	+4 m.	27°
28	59 - 306 07:31 - 18:21	10:50	+4 m.	30°

March 2013

Noordwijk
4.26°E, 52.14°N



Duration of the day, for March 21

Sunrise and Sunset at Noordwijk (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

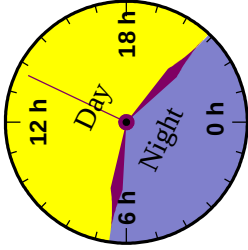
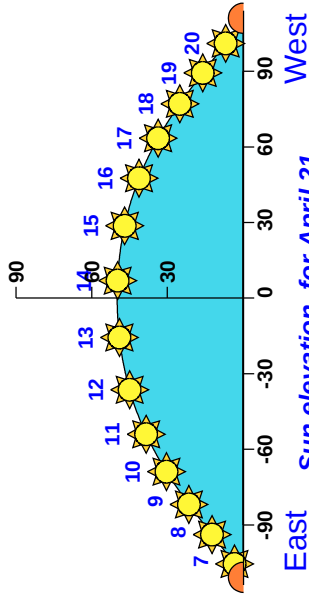
12

13

4	63 - 302 07:22 - 18:28 11:06 +4 m. 32°	5	64 - 301 07:20 - 18:30 11:10 +4 m. 32°	6	65 - 300 07:18 - 18:32 11:14 +4 m. 32°	7	66 - 299 07:16 - 18:34 11:18 +4 m. 33°	8	67 - 298 07:13 - 18:35 11:22 +4 m. 33°	1	60 - 305 07:29 - 18:23 10:54 +4 m. 30°	2	61 - 304 07:27 - 18:25 10:58 +4 m. 31°	3	62 - 303 07:25 - 18:26 11:02 +4 m. 31°
11	70 - 295 07:06 - 18:41 11:34 +4 m. 34°	12	71 - 294 07:04 - 18:42 11:38 +4 m. 35°	13	72 - 293 07:02 - 18:44 11:42 +4 m. 35°	14	73 - 292 07:00 - 18:46 11:47 +5 m. 36°	15	74 - 291 06:57 - 18:48 11:51 +4 m. 36°	16	75 - 290 06:55 - 18:50 11:55 +4 m. 36°	17	76 - 289 06:53 - 18:51 11:59 +4 m. 37°	24	83 - 282 06:36 - 19:03 12:27 +4 m. 39°
18	77 - 288 06:50 - 18:53 12:03 +4 m. 37°	19	78 - 287 06:48 - 18:55 12:07 +4 m. 37°	20	79 - 286 06:46 - 18:56 12:11 +4 m. 38°	21	80 - 285 06:43 - 18:58 12:15 +4 m. 38°	22	81 - 284 06:41 - 19:00 12:19 +4 m. 39°	23	82 - 283 06:39 - 19:02 12:23 +4 m. 39°	31	90 - 275 07:20 - 20:16 12:56 +5 m. 42°		
25	84 - 281 06:34 - 19:05 12:31 +4 m. 40°	26	85 - 280 06:32 - 19:07 12:35 +4 m. 40°	27	86 - 279 06:29 - 19:09 12:39 +4 m. 41°	28	87 - 278 06:27 - 19:10 12:43 +4 m. 41°	29	88 - 277 06:25 - 19:12 12:47 +4 m. 41°	30	89 - 276 06:22 - 19:14 12:51 +4 m. 42°				

April 2013

Noordwijk
4.26°E, 52.14°N



Duration of the day, for April 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1
91 - 274
07:18 - 20:17
13:00 +4 m. 43°

2
92 - 273
07:15 - 20:19
13:04 +4 m. 43°

3
93 - 272
07:13 - 20:21
13:08 +4 m. 43°

4
94 - 271
07:11 - 20:22
13:12 +4 m. 44°

5
95 - 270
07:09 - 20:24
13:16 +4 m. 44°

6
96 - 269
07:06 - 20:26
13:20 +4 m. 44°

7
97 - 268
07:04 - 20:28
13:24 +4 m. 45°

8
98 - 267
07:02 - 20:29
13:28 +4 m. 45°

9
99 - 266
06:59 - 20:31
13:32 +4 m. 46°

10
100 - 265
06:57 - 20:33
13:36 +4 m. 46°

11
101 - 264
06:55 - 20:34
13:40 +4 m. 46°

12
102 - 263
06:53 - 20:36
13:43 +3 m. 47°

13
103 - 262
06:50 - 20:38
13:48 +5 m. 47°

14
104 - 261
06:48 - 20:40
13:51 +3 m. 47°

15
105 - 260
06:46 - 20:41
13:55 +4 m. 48°

16
106 - 259
06:44 - 20:43
13:59 +4 m. 48°

17
107 - 258
06:42 - 20:45
14:03 +4 m. 49°

18
108 - 257
06:40 - 20:46
14:07 +4 m. 49°

19
109 - 256
06:37 - 20:48
14:11 +4 m. 49°

20
110 - 255
06:35 - 20:50
14:15 +4 m. 50°

21
111 - 254
06:33 - 20:52
14:19 +4 m. 50°

22
112 - 253
06:31 - 20:53
14:22 +3 m. 50°

23
113 - 252
06:29 - 20:55
14:26 +4 m. 51°

24
114 - 251
06:27 - 20:57
14:30 +4 m. 51°

25
115 - 250
06:25 - 20:58
14:34 +4 m. 51°

26
116 - 249
06:23 - 21:00
14:37 +3 m. 52°

27
117 - 248
06:21 - 21:02
14:41 +4 m. 52°

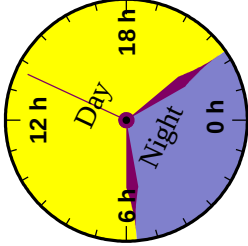
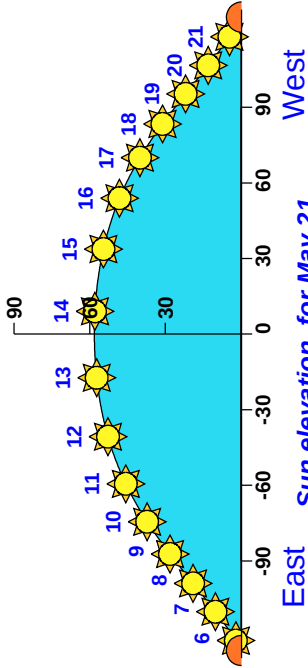
28
118 - 247
06:19 - 21:04
14:45 +4 m. 52°

29
119 - 246
06:17 - 21:05
14:49 +4 m. 52°

30
120 - 245
06:15 - 21:07
14:52 +3 m. 53°

May 2013

Noordwijk
4.26°E, 52.14°N



East Sun elevation, for May 21 West

Duration of the day, for May 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

20

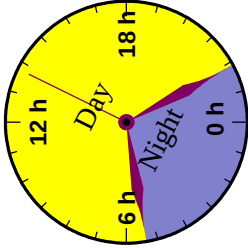
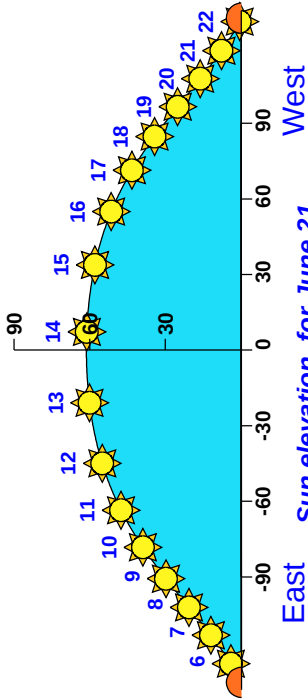
21

22

6	126 - 239 06:04 - 21:17 15:13 +3 m. 55°	7	127 - 238 06:02 - 21:19 15:17 +4 m. 55°	1	121 - 244 06:13 - 21:09 14:56 +4 m. 53°	2	122 - 243 06:11 - 21:10 14:59 +3 m. 53°	3	123 - 242 06:09 - 21:12 15:03 +4 m. 54°	4	124 - 241 06:07 - 21:14 15:06 +3 m. 54°	5	125 - 240 06:05 - 21:15 15:10 +4 m. 54°
13	133 - 232 05:52 - 21:28 15:37 +3 m. 56°	14	134 - 231 05:50 - 21:30 15:40 +3 m. 57°	8	128 - 237 06:00 - 21:20 15:20 +3 m. 55°	9	129 - 236 05:58 - 21:22 15:24 +4 m. 55°	10	130 - 235 05:57 - 21:24 15:27 +3 m. 56°	11	131 - 234 05:55 - 21:25 15:30 +3 m. 56°	12	132 - 233 05:53 - 21:27 15:34 +4 m. 56°
20	140 - 225 05:41 - 21:39 15:58 +3 m. 58°	21	141 - 224 05:40 - 21:40 16:00 +2 m. 58°	15	135 - 230 05:49 - 21:31 15:43 +3 m. 57°	16	136 - 229 05:47 - 21:33 15:46 +3 m. 57°	17	137 - 228 05:46 - 21:34 15:49 +3 m. 57°	18	138 - 227 05:44 - 21:36 15:52 +3 m. 58°	19	139 - 226 05:43 - 21:37 15:55 +3 m. 58°
27	147 - 218 05:33 - 21:48 16:16 +3 m. 59°	28	148 - 217 05:32 - 21:50 16:18 +2 m. 59°	22	142 - 223 05:39 - 21:42 16:03 +3 m. 58°	23	143 - 222 05:38 - 21:43 16:06 +3 m. 59°	24	144 - 221 05:36 - 21:44 16:08 +2 m. 59°	25	145 - 220 05:35 - 21:46 16:11 +3 m. 59°	26	146 - 219 05:34 - 21:47 16:13 +2 m. 59°

June 2013

Noordwijk
4.26°E, 52.14°N



Sun elevation, for June 21

Duration of the day, for June 21

Sunrise and Sunset at Noordwijk (TL $\pm$ 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 05:27 - 21:56	16:30	+2 m.	60°

10	161 - 204 05:23 - 22:03	16:40	+1 m.	61°

17	168 - 197 05:22 - 22:07	16:45	+0 m.	61°

24	175 - 190 05:23 - 22:08	16:45	-1 m.	61°

4	155 - 210 05:26 - 21:57	16:31	+1 m.	60°

11	162 - 203 05:23 - 22:03	16:41	+1 m.	61°

18	169 - 196 05:22 - 22:07	16:45	+0 m.	61°

25	176 - 189 05:23 - 22:08	16:45	+0 m.	61°

5	156 - 209 05:25 - 21:58	16:33	+2 m.	60°

12	163 - 202 05:22 - 22:04	16:42	+1 m.	61°

19	170 - 195 05:22 - 22:07	16:46	+1 m.	61°

26	177 - 188 05:24 - 22:08	16:44	-1 m.	61°

6	157 - 208 05:25 - 21:59	16:35	+2 m.	61°

13	164 - 201 05:22 - 22:05	16:43	+1 m.	61°

20	171 - 194 05:22 - 22:08	16:46	+0 m.	61°

27	178 - 187 05:24 - 22:08	16:44	+0 m.	61°

7	158 - 207 05:24 - 22:00	16:36	+1 m.	61°

14	165 - 200 05:22 - 22:05	16:43	+0 m.	61°

21	172 - 193 05:22 - 22:08	16:46	+0 m.	61°

28	179 - 186 05:25 - 22:08	16:43	-1 m.	61°

1	152 - 213 05:28 - 21:54	16:26	+2 m.	60°

8	159 - 206 05:24 - 22:01	16:37	+1 m.	61°

15	166 - 199 05:22 - 22:06	16:44	+1 m.	61°

22	173 - 192 05:22 - 22:08	16:46	+0 m.	61°

29	180 - 185 05:25 - 22:08	16:42	-1 m.	61°

2	153 - 212 05:27 - 21:55	16:28	+2 m.	60°

9	160 - 205 05:23 - 22:02	16:39	+2 m.	61°

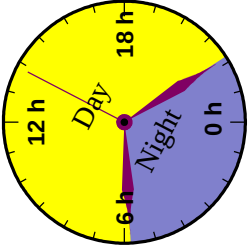
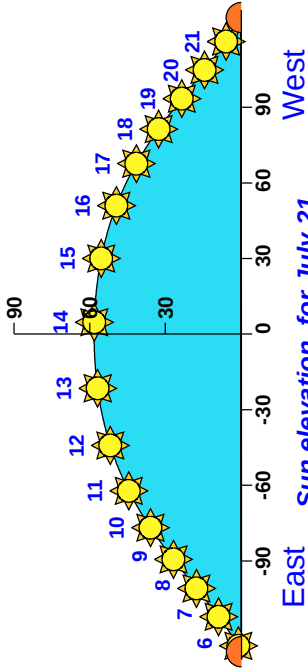
16	167 - 198 05:22 - 22:06	16:45	+1 m.	61°

23	174 - 191 05:23 - 22:08	16:46	+0 m.	61°

30	181 - 184 05:26 - 22:07	16:41	-1 m.	61°

July 2013

Noordwijk
4.26°E, 52.14°N



Sun elevation, for July 21

Duration of the day, for July 21

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

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 182 - 183
05:27 - 22:07
16:40 -1 m. 61°

2 183 - 182
05:27 - 22:07
16:39 -1 m. 61°

3 184 - 181
05:28 - 22:06
16:38 -1 m. 61°

4 185 - 180
05:29 - 22:06
16:37 -1 m. 61°

5 186 - 179
05:30 - 22:05
16:35 -2 m. 61°

6 187 - 178
05:31 - 22:05
16:34 -1 m. 61°

7 188 - 177
05:32 - 22:04
16:32 -2 m. 60°

8 189 - 176
05:33 - 22:03
16:31 -1 m. 60°

9 190 - 175
05:34 - 22:02
16:29 -2 m. 60°

10 191 - 174
05:35 - 22:02
16:27 -2 m. 60°

11 192 - 173
05:36 - 22:01
16:25 -2 m. 60°

12 193 - 172
05:37 - 22:00
16:23 -2 m. 60°

13 194 - 171
05:38 - 21:59
16:21 -2 m. 60°

14 195 - 170
05:39 - 21:58
16:19 -2 m. 59°

15 196 - 169
05:40 - 21:57
16:17 -2 m. 59°

16 197 - 168
05:42 - 21:56
16:14 -3 m. 59°

17 198 - 167
05:43 - 21:55
16:12 -2 m. 59°

18 199 - 166
05:44 - 21:54
16:10 -2 m. 59°

19 200 - 165
05:46 - 21:53
16:07 -3 m. 59°

20 201 - 164
05:47 - 21:51
16:04 -3 m. 58°

21 202 - 163
05:48 - 21:50
16:02 -2 m. 58°

22 203 - 162
05:50 - 21:49
15:59 -3 m. 58°

23 204 - 161
05:51 - 21:47
15:56 -3 m. 58°

24 205 - 160
05:52 - 21:46
15:54 -2 m. 58°

25 206 - 159
05:54 - 21:44
15:51 -3 m. 57°

26 207 - 158
05:55 - 21:43
15:48 -3 m. 57°

27 208 - 157
05:57 - 21:41
15:45 -3 m. 57°

28 209 - 156
05:58 - 21:40
15:42 -3 m. 57°

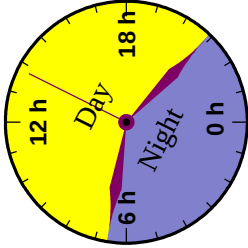
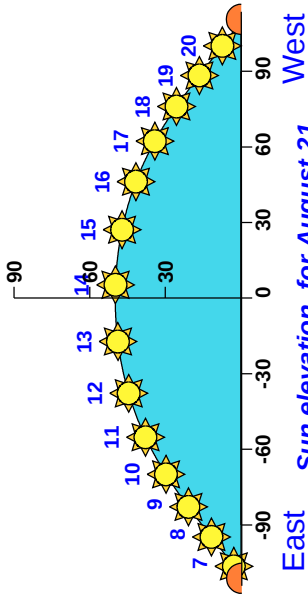
29 210 - 155
06:00 - 21:38
15:39 -3 m. 57°

30 211 - 154
06:01 - 21:37
15:35 -4 m. 56°

31 212 - 153
06:03 - 21:35
15:32 -3 m. 56°

August 2013

Noordwijk
4.26°E, 52.14°N



East Sun elevation, for August 21 West

Duration of the day, for August 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

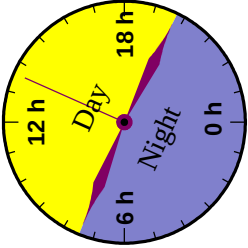
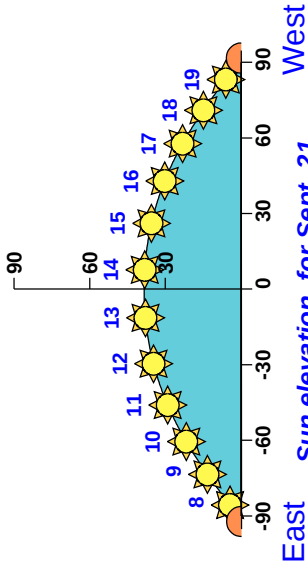
34

35

5	217 - 148 06:11 - 21:26 15:16 -3 m. 55°	6	218 - 147 06:12 - 21:25 15:12 -4 m. 54°	7	219 - 146 06:14 - 21:23 15:09 -3 m. 54°	1	213 - 152 06:04 - 21:33 15:29 -3 m. 56°	2	214 - 151 06:06 - 21:32 15:26 -3 m. 56°	3	215 - 150 06:08 - 21:30 15:23 -3 m. 55°	4	216 - 149 06:09 - 21:28 15:19 -4 m. 55°
12	224 - 141 06:22 - 21:13 14:51 -4 m. 53°	13	225 - 140 06:24 - 21:11 14:48 -3 m. 52°	14	226 - 139 06:25 - 21:09 14:44 -4 m. 52°	8	220 - 145 06:15 - 21:21 15:06 -3 m. 54°	9	221 - 144 06:17 - 21:19 15:02 -4 m. 54°	10	222 - 143 06:19 - 21:17 14:58 -4 m. 53°	11	223 - 142 06:20 - 21:15 14:55 -3 m. 53°
19	231 - 134 06:33 - 20:59 14:26 -3 m. 51°	20	232 - 133 06:35 - 20:57 14:22 -4 m. 50°	21	233 - 132 06:37 - 20:55 14:18 -4 m. 50°	15	227 - 138 06:27 - 21:07 14:40 -4 m. 52°	16	228 - 137 06:28 - 21:05 14:37 -3 m. 51°	17	229 - 136 06:30 - 21:03 14:33 -4 m. 51°	18	230 - 135 06:32 - 21:01 14:29 -4 m. 51°
26	238 - 127 06:45 - 20:44 13:59 -4 m. 48°	27	239 - 126 06:47 - 20:42 13:55 -4 m. 48°	28	240 - 125 06:48 - 20:39 13:51 -4 m. 47°	22	234 - 131 06:38 - 20:53 14:14 -4 m. 50°	23	235 - 130 06:40 - 20:50 14:11 -3 m. 49°	24	236 - 129 06:42 - 20:48 14:07 -4 m. 49°	25	237 - 128 06:43 - 20:46 14:03 -4 m. 48°

September 2013

Noordwijk
4.26°E, 52.14°N



East Sun elevation, for Sept. 21 West

Duration of the day, for September 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

36

37

38

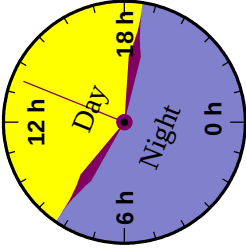
39

40

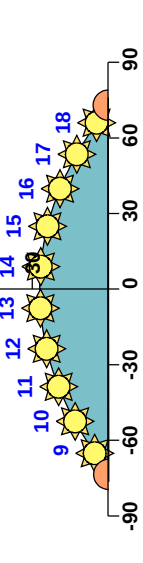
2 245 - 120 06:56 - 20:28 13:32 -4 m. 46°	3 246 - 119 06:58 - 20:26 13:28 -4 m. 45°	4 247 - 118 07:00 - 20:23 13:24 -4 m. 45°	5 248 - 117 07:01 - 20:21 13:20 -4 m. 45°	6 249 - 116 07:03 - 20:19 13:16 -4 m. 44°	7 250 - 115 07:05 - 20:17 13:12 -4 m. 44°	8 251 - 114 07:06 - 20:14 13:08 -4 m. 43°
9 252 - 113 07:08 - 20:12 13:04 -4 m. 43°	10 253 - 112 07:09 - 20:10 13:00 -4 m. 43°	11 254 - 111 07:11 - 20:07 12:56 -4 m. 42°	12 255 - 110 07:13 - 20:05 12:52 -4 m. 42°	13 256 - 109 07:14 - 20:03 12:48 -4 m. 42°	14 257 - 108 07:16 - 20:00 12:44 -4 m. 41°	15 258 - 107 07:18 - 19:58 12:40 -4 m. 41°
16 259 - 106 07:19 - 19:55 12:36 -4 m. 40°	17 260 - 105 07:21 - 19:53 12:32 -4 m. 40°	18 261 - 104 07:23 - 19:51 12:28 -4 m. 40°	19 262 - 103 07:24 - 19:48 12:24 -4 m. 39°	20 263 - 102 07:26 - 19:46 12:20 -4 m. 39°	21 264 - 101 07:28 - 19:44 12:16 -4 m. 38°	22 265 - 100 07:29 - 19:41 12:12 -4 m. 38°
23 266 - 99 07:31 - 19:39 12:08 -4 m. 38°	24 267 - 98 07:32 - 19:37 12:04 -4 m. 37°	25 268 - 97 07:34 - 19:34 12:00 -4 m. 37°	26 269 - 96 07:36 - 19:32 11:56 -4 m. 36°	27 270 - 95 07:37 - 19:30 11:52 -4 m. 36°	28 271 - 94 07:39 - 19:27 11:48 -4 m. 36°	29 272 - 93 07:41 - 19:25 11:44 -4 m. 35°
30 273 - 92 07:42 - 19:23 11:40 -4 m. 35°						

October 2013

Noordwijk
4.26°E, 52.14°N



East Sun elevation, for Oct. 21



Duration of the day, for October 21

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

Time change October 27

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

42

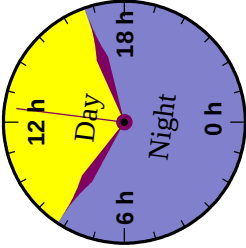
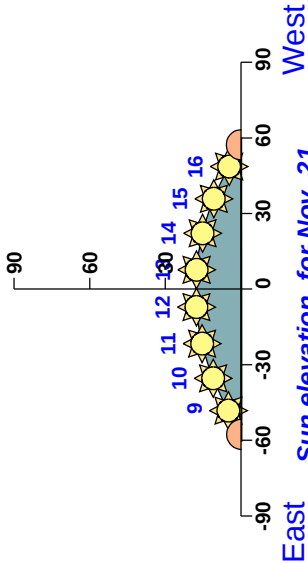
43

44

7 280 - 85 07:54 - 19:07 11:12 -4 m. 32°	8 281 - 84 07:56 - 19:04 11:08 -4 m. 32°	1 274 - 91 07:44 - 19:20 11:36 -4 m. 35°	2 275 - 90 07:46 - 19:18 11:32 -4 m. 34°	3 276 - 89 07:48 - 19:16 11:28 -4 m. 34°	4 277 - 88 07:49 - 19:13 11:24 -4 m. 33°	5 278 - 87 07:51 - 19:11 11:20 -4 m. 33°	6 279 - 86 07:53 - 19:09 11:16 -4 m. 33°
14 287 - 78 08:06 - 18:51 10:45 -4 m. 30°	15 288 - 77 08:08 - 18:49 10:41 -4 m. 29°	16 289 - 76 08:10 - 18:47 10:37 -4 m. 29°	17 290 - 75 08:12 - 18:44 10:33 -4 m. 28°	18 291 - 74 08:13 - 18:42 10:29 -4 m. 28°	19 292 - 73 08:15 - 18:40 10:25 -4 m. 28°	12 285 - 80 08:03 - 18:55 10:52 -4 m. 30°	13 286 - 79 08:05 - 18:53 10:49 -3 m. 30°
21 294 - 71 08:19 - 18:36 10:17 -4 m. 27°	22 295 - 70 08:21 - 18:34 10:13 -4 m. 27°	23 296 - 69 08:22 - 18:32 10:10 -3 m. 26°	24 297 - 68 08:24 - 18:30 10:06 -4 m. 26°	25 298 - 67 08:26 - 18:28 10:02 -4 m. 26°	26 299 - 66 08:28 - 18:26 9:58 -4 m. 25°	27 300 - 65 07:29 - 17:24 9:54 -4 m. 25°	
28 301 - 64 07:31 - 17:22 9:50 -4 m. 25°	29 302 - 63 07:33 - 17:20 9:46 -4 m. 24°	30 303 - 62 07:35 - 17:18 9:43 -3 m. 24°	31 304 - 61 07:37 - 17:16 9:39 -4 m. 24°				

November 2013

Noordwijk
4.26°E, 52.14°N



East Sun elevation, for Nov. 21 West

Duration of the day, for November 21

Sunrise and Sunset at Noordwijk (TL ± 1 mn)

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

4	308 - 57 07:44 - 17:09	9:24	-4 m.	22°
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5	309 - 56 07:46 - 17:07	9:21	-3 m.	22°
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6	310 - 55 07:48 - 17:05	9:17	-4 m.	22°
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7	311 - 54 07:49 - 17:04	9:14	-3 m.	22°
---	---------------------------	------	-------	-----

8	312 - 53 07:51 - 17:02	9:10	-4 m.	21°
---	---------------------------	------	-------	-----

9	313 - 52 07:53 - 17:00	9:07	-3 m.	21°
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10	314 - 51 07:55 - 16:59	9:04	-3 m.	21°
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45

11	315 - 50 07:57 - 16:57	9:00	-4 m.	20°
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12	316 - 49 07:58 - 16:56	8:57	-3 m.	20°
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13	317 - 48 08:00 - 16:54	8:54	-3 m.	20°
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14	318 - 47 08:02 - 16:53	8:50	-4 m.	20°
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15	319 - 46 08:04 - 16:51	8:47	-3 m.	19°
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16	320 - 45 08:05 - 16:50	8:44	-3 m.	19°
----	---------------------------	------	-------	-----

17	321 - 44 08:07 - 16:49	8:41	-3 m.	19°
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46

18	322 - 43 08:09 - 16:47	8:38	-3 m.	19°
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19	323 - 42 08:11 - 16:46	8:35	-3 m.	18°
----	---------------------------	------	-------	-----

20	324 - 41 08:12 - 16:45	8:32	-3 m.	18°
----	---------------------------	------	-------	-----

21	325 - 40 08:14 - 16:44	8:29	-3 m.	18°
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22	326 - 39 08:16 - 16:43	8:27	-2 m.	18°
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23	327 - 38 08:17 - 16:41	8:24	-3 m.	17°
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24	328 - 37 08:19 - 16:40	8:21	-3 m.	17°
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47

25	329 - 36 08:20 - 16:39	8:19	-2 m.	17°
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26	330 - 35 08:22 - 16:38	8:16	-3 m.	17°
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27	331 - 34 08:24 - 16:38	8:14	-2 m.	17°
----	---------------------------	------	-------	-----

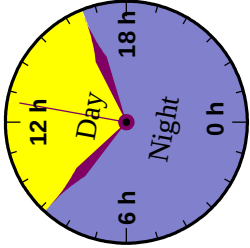
28	332 - 33 08:25 - 16:37	8:11	-3 m.	17°
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29	333 - 32 08:27 - 16:36	8:09	-2 m.	16°
----	---------------------------	------	-------	-----

30	334 - 31 08:28 - 16:35	8:07	-2 m.	16°
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December 2013

Noordwijk
4.26°E, 52.14°N



East West

Duration of the day, for December 21

Sunrise and Sunset at Noordwijk (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 08:31 - 16:34 8:03	-2 m.	16°
9	343 - 22 08:40 - 16:31 7:51	-1 m.	15°
16	350 - 15 08:46 - 16:31 7:44	-1 m.	15°
23	357 - 8 08:51 - 16:34 7:43	+0 m.	14°
30	364 - 1 08:52 - 16:40 7:47	+1 m.	15°

3	337 - 28 08:32 - 16:33 8:01	-2 m.	16°
10	344 - 21 08:41 - 16:31 7:50	-1 m.	15°
17	351 - 14 08:47 - 16:31 7:44	+0 m.	15°
24	358 - 7 08:51 - 16:35 7:43	+0 m.	15°
31	365 - 0 08:52 - 16:41 7:48	+1 m.	15°

4	338 - 27 08:34 - 16:33 7:59	-2 m.	16°
11	345 - 20 08:42 - 16:31 7:48	-2 m.	15°
18	352 - 13 08:48 - 16:32 7:43	-1 m.	15°
25	359 - 6 08:51 - 16:35 7:43	+0 m.	15°

5	339 - 26 08:35 - 16:32 7:57	-2 m.	16°
12	346 - 19 08:43 - 16:31 7:47	-1 m.	15°
19	353 - 12 08:49 - 16:32 7:43	+0 m.	15°
26	360 - 5 08:52 - 16:36 7:44	+1 m.	15°

6	340 - 25 08:36 - 16:32 7:55	-2 m.	15°
13	347 - 18 08:44 - 16:31 7:46	-1 m.	15°
20	354 - 11 08:49 - 16:32 7:43	+0 m.	14°
27	361 - 4 08:52 - 16:37 7:45	+1 m.	15°

7	341 - 24 08:37 - 16:32 7:54	-1 m.	15°
14	348 - 17 08:45 - 16:31 7:46	+0 m.	15°
21	355 - 10 08:50 - 16:33 7:43	+0 m.	14°
28	362 - 3 08:52 - 16:38 7:45	+0 m.	15°

1	335 - 30 08:30 - 16:35 8:05	-2 m.	16°
8	342 - 23 08:39 - 16:31 7:52	-2 m.	15°
15	349 - 16 08:46 - 16:31 7:45	-1 m.	15°
22	356 - 9 08:50 - 16:33 7:43	+0 m.	14°
29	363 - 2 08:52 - 16:39 7:46	+1 m.	15°