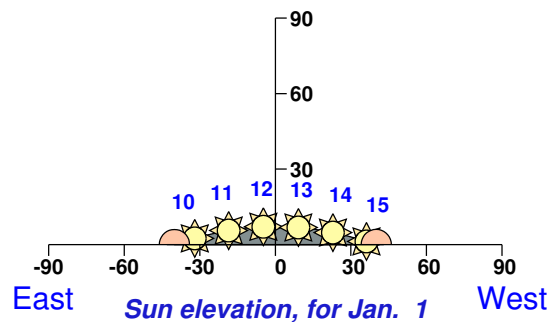
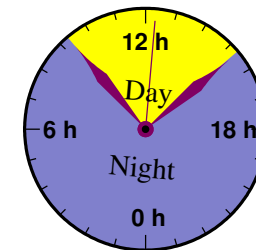


Sun Diary **2018**

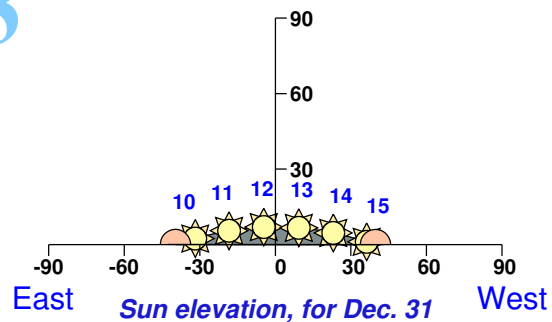
Week **1****Dec. - Jan. 2019****Oslo**

10.75°E, 59.916°N

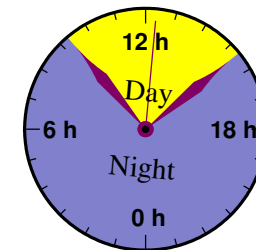
*Duration of the day, for Dec. 31***Monday 1****Tuesday 2****Wednesday 3****Thursday 4****Friday 4****Saturday 5****Sunday 6***Sunrise and Sunset at Oslo (TL ± 1 mn)*

1 - 364 09:19 - 15:23				4 - 361 09:17 - 15:27			5 - 360 09:16 - 15:29		6 - 359 09:15 - 15:31	
8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20
6:04	+2 m.	7°		6:10	+2 m.	8°	6:10	+2 m.	7°	
6:06	+2 m.	7°		6:08	+2 m.	7°	6:12	+2 m.	8°	
6:08	+2 m.	7°		6:10	+2 m.	8°	6:15	+2 m.	8°	

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

Week **53****January 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Jan. 1***Monday 31****Tuesday 1****Wednesday 2****Thursday 3****Friday 5****Saturday 6****Sunday 7***Sunrise and Sunset at Oslo (TL ± 1 mn)***365 - 0**

09:19 - 15:21

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

6:02 +2 m. 7°

1 - 364

09:19 - 15:23

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

6:03 +2 m. 7°

2 - 363

09:18 - 15:24

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

6:05 +2 m. 7°

3 - 362

09:18 - 15:26

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

6:07 +2 m. 7°

5 - 360

09:16 - 15:29

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

6:13 +2 m. 8°

6 - 359

09:15 - 15:31

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

6:15 +3 m. 8°

7 - 358

09:14 - 15:33

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

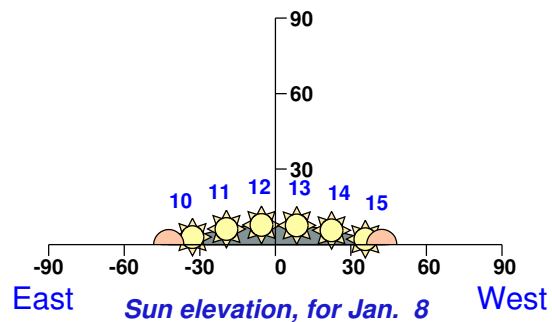
18 —

19 —

20 —

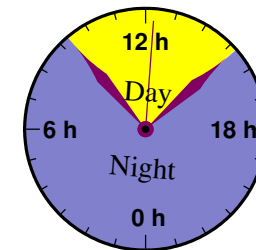
6:18 +3 m. 8°

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

Week **2****December 2018**

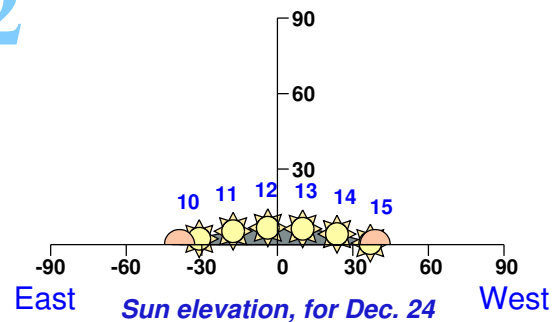
Oslo

10.75°E, 59.916°N

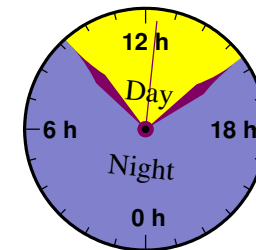
*Duration of the day, for Dec. 24*Monday **8**Tuesday **9**Wednesday **10**Thursday **11**Friday **28**Saturday **29**Sunday **30***Sunrise and Sunset at Oslo (TL ± 1 mn)*

8 - 357 09:13 - 15:35			9 - 356 09:12 - 15:37			10 - 355 09:11 - 15:39			11 - 354 09:10 - 15:41			362 - 3 09:20 - 15:18			363 - 2 09:20 - 15:19			364 - 1 09:19 - 15:20		
8			8			8			8			8			8			8		
9			9			9			9			9			9			9		
10			10			10			10			10			10			10		
11			11			11			11			11			11			11		
12			12			12			12			12			12			12		
13			13			13			13			13			13			13		
14			14			14			14			14			14			14		
15			15			15			15			15			15			15		
16			16			16			16			16			16			16		
17			17			17			17			17			17			17		
18			18			18			18			18			18			18		
19			19			19			19			19			19			19		
20			20			20			20			20			20			20		
6:21	+3 m.	8°	6:24	+3 m.	8°	6:27	+3 m.	8°	6:30	+3 m.	8°	5:57	+1 m.	7°	5:59	+1 m.	7°	6:00	+1 m.	7°

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

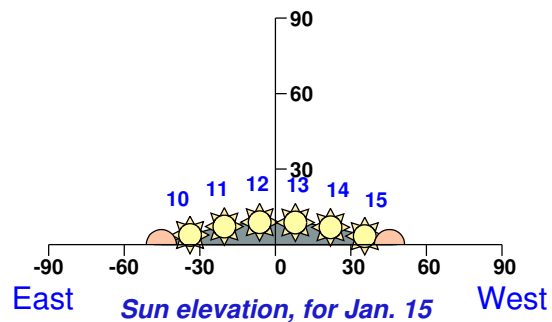
Week **52****January 2018****Oslo**

10.75°E, 59.916°N

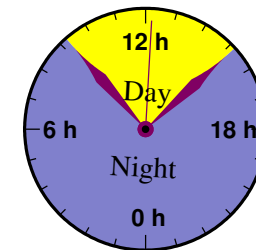
*Duration of the day, for Jan. 8*
Monday 24 **Tuesday 25** **Wednesday 26** **Thursday 27**
Friday 12 **Saturday 13** **Sunday 14**
Sunrise and Sunset at Oslo (TL ± 1 mn)

358 - 7 09:19 - 15:14	359 - 6 09:20 - 15:15	360 - 5 09:20 - 15:16	361 - 4 09:20 - 15:17	12 - 353 09:09 - 15:43	13 - 352 09:07 - 15:45	14 - 351 09:06 - 15:47
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
5:54 <i>+0 m.</i> 7°	5:55 <i>+0 m.</i> 7°	5:55 <i>+1 m.</i> 7°	5:56 <i>+1 m.</i> 7°	6:34 <i>+3 m.</i> 9°	6:37 <i>+3 m.</i> 9°	6:41 <i>+4 m.</i> 9°

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

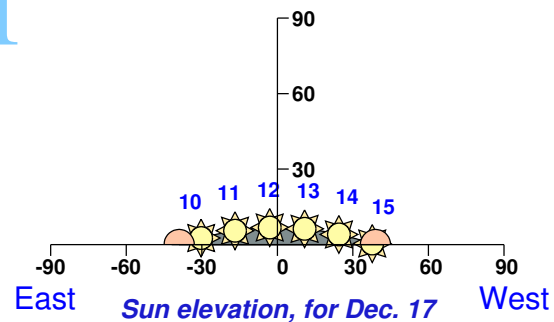
Week **3****December 2018****Oslo**

10.75°E, 59.916°N

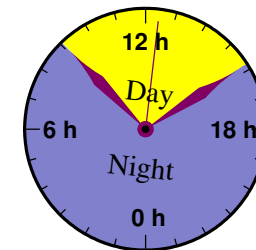
*Duration of the day, for Dec. 17*
Monday 15 **Tuesday 16** **Wednesday 17** **Thursday 18**
Friday 21 **Saturday 22** **Sunday 23**
Sunrise and Sunset at Oslo (TL ± 1 mn)

15 - 350 09:04 - 15:49				355 - 10 09:18 - 15:12		
16 - 349 09:03 - 15:52				356 - 9 09:19 - 15:13		
17 - 348 09:01 - 15:54				357 - 8 09:19 - 15:13		
18 - 347 08:59 - 15:56						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
6:45 <i>+4 m.</i> 9°	6:48 <i>+4 m.</i> 9°	6:52 <i>+4 m.</i> 9°	6:56 <i>+4 m.</i> 10°	5:53 <i>+0 m.</i> 7°	5:53 <i>+0 m.</i> 7°	5:54 <i>+0 m.</i> 7°

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

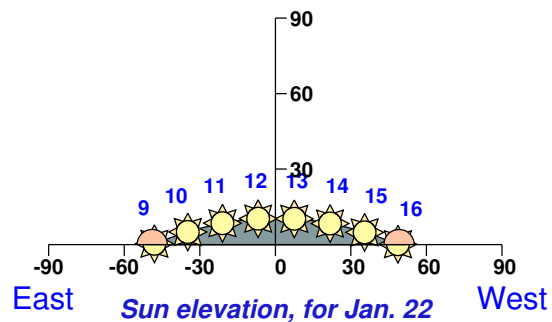
Week **51****January 2018****Oslo**

10.75°E, 59.916°N

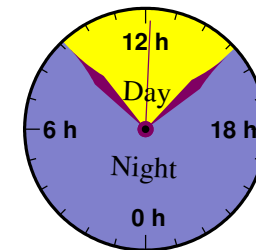
*Duration of the day, for Jan. 15*
Monday 17 **Tuesday 18** **Wednesday 19** **Thursday 20**
Friday 19 **Saturday 20** **Sunday 21**
Sunrise and Sunset at Oslo (TL ± 1 mn)

351 - 14 09:15 - 15:11			352 - 13 09:16 - 15:11			353 - 12 09:17 - 15:11			354 - 11 09:18 - 15:12			19 - 346 08:58 - 15:59			20 - 345 08:56 - 16:01			21 - 344 08:54 - 16:04		
8			8			8			8			8			8			8		
9			9			9			9			9			9			9		
10			10			10			10			10			10			10		
11			11			11			11			11			11			11		
12			12			12			12			12			12			12		
13			13			13			13			13			13			13		
14			14			14			14			14			14			14		
15			15			15			15			15			15			15		
16			16			16			16			16			16			16		
17			17			17			17			17			17			17		
18			18			18			18			18			18			18		
19			19			19			19			19			19			19		
20			20			20			20			20			20			20		
5:55	+0 m.	7°	5:54	+0 m.	7°	5:54	+0 m.	7°	5:54	+0 m.	7°	7:01	+4 m.	10°	7:05	+4 m.	10°	7:09	+4 m.	10°

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

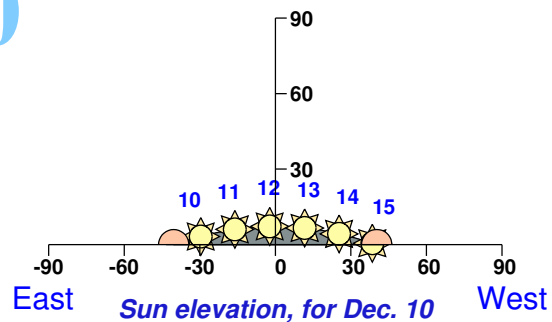
Week **4****December 2018****Oslo**

10.75°E, 59.916°N

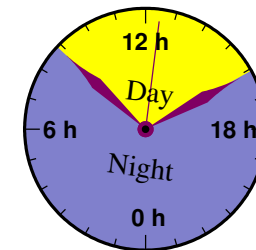
*Duration of the day, for Dec. 10*
Monday 22 **Tuesday 23** **Wednesday 24** **Thursday 25**
Friday 14 **Saturday 15** **Sunday 16**
Sunrise and Sunset at Oslo (TL ± 1 mn)

22 - 343 08:52 - 16:06				348 - 17 09:12 - 15:11		
23 - 342 08:50 - 16:08				349 - 16 09:13 - 15:11		
24 - 341 08:48 - 16:11				350 - 15 09:14 - 15:11		
25 - 340 08:46 - 16:13						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
7:13 <i>+4 m.</i> 11°	7:18 <i>+4 m.</i> 11°	7:22 <i>+4 m.</i> 11°	7:27 <i>+4 m.</i> 11°	5:58 <i>-1 m.</i> 7°	5:57 <i>+0 m.</i> 7°	5:56 <i>+0 m.</i> 7°

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

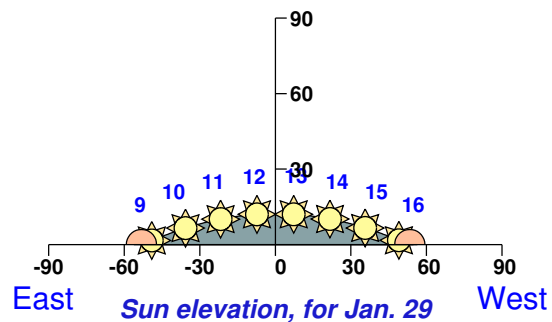
Week **50****January 2018****Oslo**

10.75°E, 59.916°N

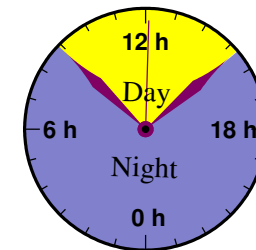
*Duration of the day, for Jan. 22*
Monday 10 **Tuesday 11** **Wednesday 12** **Thursday 13**
Friday 26 **Saturday 27** **Sunday 28**
Sunrise and Sunset at Oslo (TL ± 1 mn)

344 - 21 09:07 - 15:13				26 - 339 08:44 - 16:16		
345 - 20 09:08 - 15:12				27 - 338 08:42 - 16:19		
346 - 19 09:10 - 15:12				28 - 337 08:40 - 16:21		
347 - 18 09:11 - 15:11						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
6:05 -1 m. 7°	6:03 -1 m. 7°	6:02 -1 m. 7°	6:00 -1 m. 7°	7:32 +5 m. 12°	7:36 +5 m. 12°	7:41 +5 m. 12°

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

Week **5****December 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Dec. 3***Monday 29****Tuesday 30****Wednesday 31****Thursday 1****Friday 7****Saturday 8****Sunday 9***Sunrise and Sunset at Oslo (TL ± 1 mn)***29 - 336**

08:38 - 16:24

8
9
10
11
12
13
14
15
16
17
18
19
20

7:46 +5 m. 12°

30 - 335

08:35 - 16:26

8
9
10
11
12
13
14
15
16
17
18
19
20

7:50 +5 m. 13°

31 - 334

08:33 - 16:29

8
9
10
11
12
13
14
15
16
17
18
19
20

7:55 +5 m. 13°

32 - 333

08:31 - 16:32

8
9
10
11
12
13
14
15
16
17
18
19
20

8:00 +5 m. 13°

341 - 24

09:02 - 15:15

8
9
10
11
12
13
14
15
16
17
18
19
20

6:12 -2 m. 8°

342 - 23

09:04 - 15:14

8
9
10
11
12
13
14
15
16
17
18
19
20

6:10 -1 m. 7°

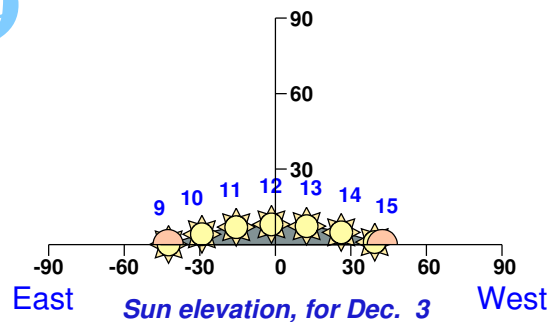
343 - 22

09:05 - 15:13

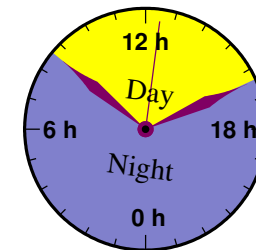
8
9
10
11
12
13
14
15
16
17
18
19
20

6:07 -1 m. 7°

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

Week **49****Jan. - Feb. 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Jan. 29***Monday 3****Tuesday 4****Wednesday 5****Thursday 6****Friday 2****Saturday 3****Sunday 4***Sunrise and Sunset at Oslo (TL ± 1 mn)***337 - 28**

08:55 - 15:18

8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

6:23 -2 m. 8°

338 - 27

08:57 - 15:17

8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

6:20 -2 m. 8°

339 - 26

08:59 - 15:16

8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

6:17 -2 m. 8°

340 - 25

09:01 - 15:15

8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

6:14 -2 m. 8°

33 - 332

08:28 - 16:34

8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

8:05 +5 m. 13°

34 - 331

08:26 - 16:37

8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

8:10 +5 m. 14°

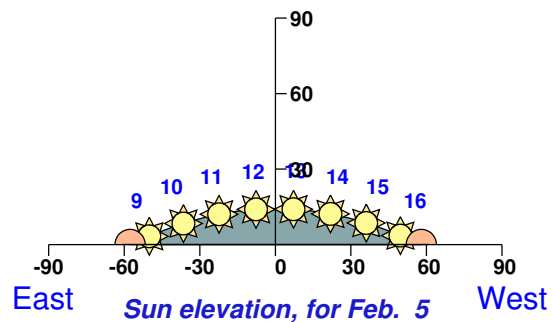
35 - 330

08:24 - 16:39

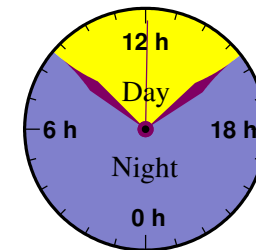
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

8:15 +5 m. 14°

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

Week **6****Nov. - Dec. 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Nov. 26***Monday 5****Tuesday 6****Wednesday 7****Thursday 8****Friday 30****Saturday 1****Sunday 2***Sunrise and Sunset at Oslo (TL ± 1 mn)***36 - 329**

08:21 - 16:42

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:21 +5 m. 14°

37 - 328

08:19 - 16:45

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:25 +5 m. 15°

38 - 327

08:16 - 16:47

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:31 +5 m. 15°

39 - 326

08:14 - 16:50

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:36 +5 m. 15°

334 - 31

08:49 - 15:22

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

6:33 -2 m. 9°

335 - 30

08:51 - 15:21

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

6:29 -2 m. 8°

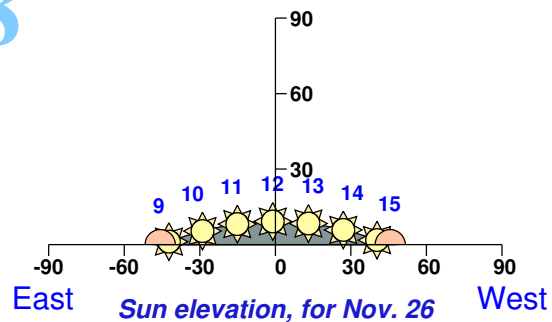
336 - 29

08:53 - 15:20

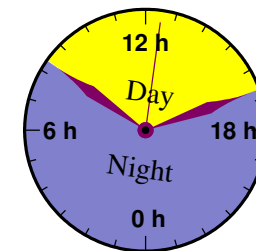
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

6:26 -2 m. 8°

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

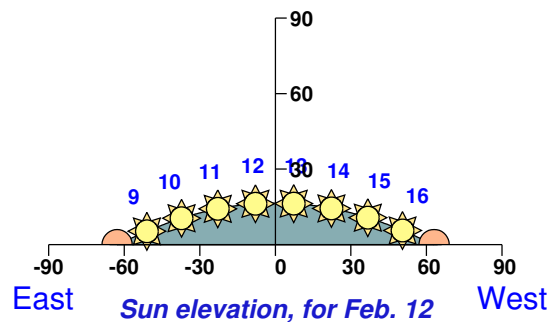
Week **48****February 2018****Oslo**

10.75°E, 59.916°N

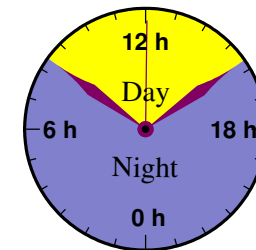
*Duration of the day, for Feb. 5*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 29**
Friday 9 **Saturday 10** **Sunday 11**
Sunrise and Sunset at Oslo (TL ± 1 mn)

330 - 35 08:40 - 15:28				40 - 325 08:11 - 16:53			41 - 324 08:09 - 16:55		42 - 323 08:06 - 16:58	
8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20
6:47 -3 m. 9°	6:43 -3 m. 9°	6:39 -3 m. 9°	6:36 -3 m. 9°	8:41 +5 m. 16°	8:46 +5 m. 16°	8:51 +5 m. 16°				

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

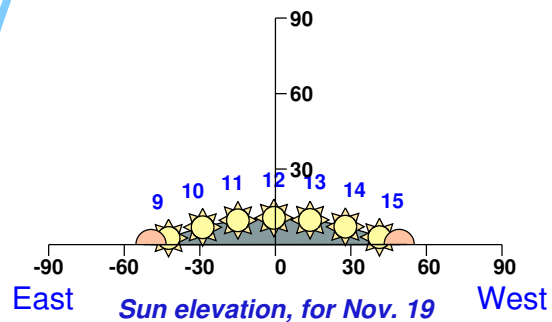
Week **7****November 2018****Oslo**

10.75°E, 59.916°N

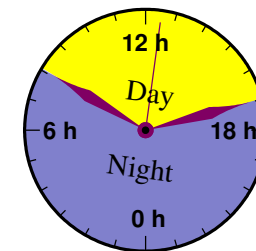
*Duration of the day, for Nov. 19*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Oslo (TL ± 1 mn)

43 - 322 08:03 - 17:00				327 - 38 08:34 - 15:33		
44 - 321 08:01 - 17:03				328 - 37 08:36 - 15:31		
45 - 320 07:58 - 17:06				329 - 36 08:38 - 15:29		
46 - 319 07:55 - 17:08						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
8:57 +5 m. 17°	9:02 +5 m. 17°	9:07 +5 m. 17°	9:13 +5 m. 18°	6:59 -3 m. 10°	6:55 -3 m. 10°	6:51 -3 m. 9°

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

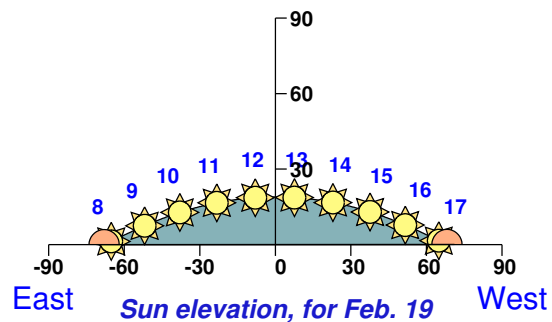
Week **47****February 2018****Oslo**

10.75°E, 59.916°N

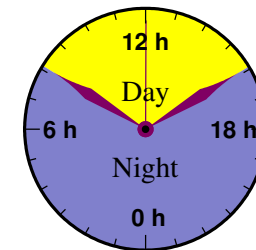
*Duration of the day, for Feb. 12*
Monday 19 **Tuesday 20** **Wednesday 21** **Thursday 22**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Oslo (TL ± 1 mn)

323 - 42 08:24 - 15:40				47 - 318 07:53 - 17:11		
324 - 41 08:27 - 15:38				48 - 317 07:50 - 17:14		
325 - 40 08:29 - 15:36				49 - 316 07:47 - 17:16		
326 - 39 08:31 - 15:35						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
7:16 -3 m. 11°	7:11 -3 m. 10°	7:07 -3 m. 10°	7:03 -3 m. 10°	9:18 +5 m. 18°	9:23 +5 m. 18°	9:29 +5 m. 19°

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

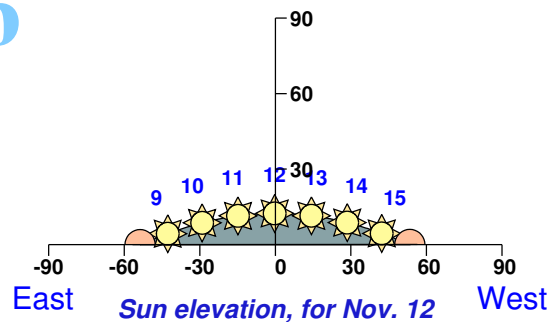
Week **8****November 2018****Oslo**

10.75°E, 59.916°N

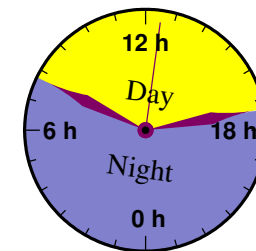
*Duration of the day, for Nov. 12*
Monday 19 **Tuesday 20** **Wednesday 21** **Thursday 22**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Oslo (TL ± 1 mn)

50 - 315 07:44 - 17:19				320 - 45 08:17 - 15:46		
51 - 314 07:42 - 17:21				321 - 44 08:19 - 15:44		
52 - 313 07:39 - 17:24				322 - 43 08:22 - 15:42		
53 - 312 07:36 - 17:26						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
9:34 +5 m. 19°	9:39 +5 m. 19°	9:45 +5 m. 20°	9:50 +5 m. 20°	7:29 -4 m. 11°	7:25 -4 m. 11°	7:20 -4 m. 11°

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

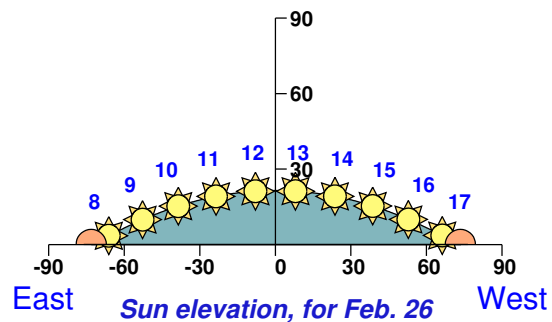
Week **46****February 2018****Oslo**

10.75°E, 59.916°N

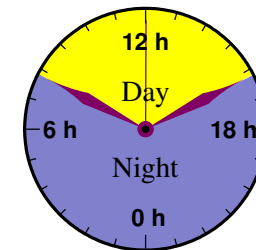
*Duration of the day, for Feb. 19*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Oslo (TL ± 1 mn)

316 - 49 08:07 - 15:55				54 - 311 07:33 - 17:29		
317 - 48 08:09 - 15:53				55 - 310 07:30 - 17:32		
318 - 47 08:12 - 15:51				56 - 309 07:27 - 17:34		
319 - 46 08:14 - 15:49						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
7:48 -4 m. 12°	7:43 -4 m. 12°	7:39 -4 m. 12°	7:34 -4 m. 12°	9:56 +5 m. 20°	10:01 +5 m. 21°	10:07 +6 m. 21°

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

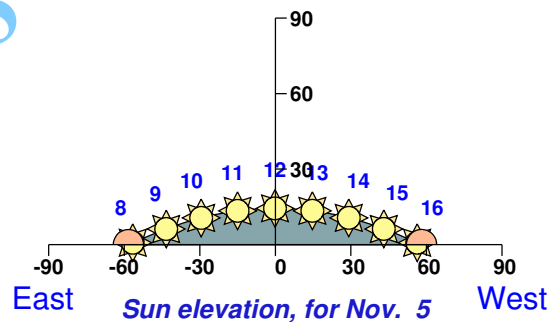
Week **9****November 2018****Oslo**

10.75°E, 59.916°N

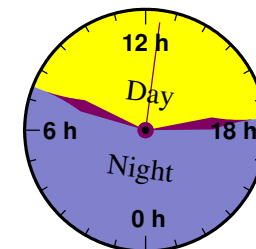
*Duration of the day, for Nov. 5*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 1**
Friday 9 **Saturday 10** **Sunday 11**
Sunrise and Sunset at Oslo (TL ± 1 mn)

57 - 308 07:25 - 17:37				313 - 52 07:59 - 16:02		
58 - 307 07:22 - 17:39				314 - 51 08:02 - 16:00		
59 - 306 07:19 - 17:42				315 - 50 08:04 - 15:57		
60 - 305 07:16 - 17:44						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
10:12 +5 m. 21°	10:18 +6 m. 22°	10:23 +5 m. 22°	10:29 +5 m. 23°	8:03 -4 m. 13°	7:58 -4 m. 13°	7:53 -4 m. 13°

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

Week **45****Feb. - March 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Feb. 26***Monday 5****Tuesday 6****Wednesday 7****Thursday 8****Friday 2****Saturday 3****Sunday 4***Sunrise and Sunset at Oslo (TL ± 1 mn)***309 - 56**

07:49 - 16:12

310 - 55

07:51 - 16:09

311 - 54

07:54 - 16:07

312 - 53

07:57 - 16:04

61 - 304

07:13 - 17:47

62 - 303

07:10 - 17:49

63 - 302

07:07 - 17:52

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

8:22 -4 m. 14°

8:17 -4 m. 14°

8:13 -4 m. 14°

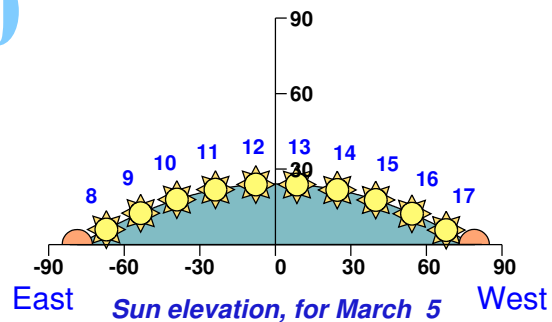
8:07 -4 m. 14°

10:34 +5 m. 23°

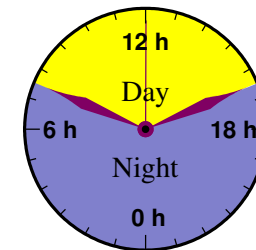
10:39 +5 m. 23°

10:45 +6 m. 24°

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

Week **10****Oct. - Nov. 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Oct. 29***Monday 5****Tuesday 6****Wednesday 7****Thursday 8****Friday 2****Saturday 3****Sunday 4***Sunrise and Sunset at Oslo (TL ± 1 mn)***64 - 301**

07:04 - 17:54

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

10:50 +5 m. 24°

65 - 300

07:01 - 17:57

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

10:56 +6 m. 25°

66 - 299

06:58 - 17:59

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

11:01 +5 m. 25°

67 - 298

06:55 - 18:02

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

11:07 +6 m. 25°

306 - 59

07:41 - 16:19

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:38 -4 m. 15°

307 - 58

07:44 - 16:17

8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:33 -4 m. 15°

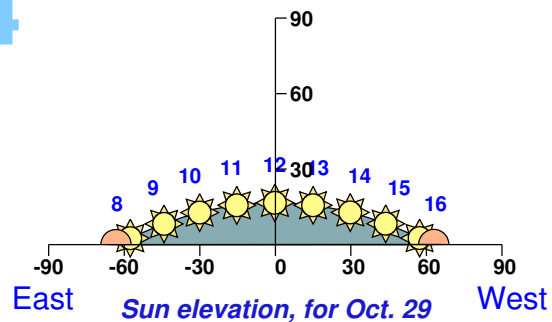
308 - 57

07:46 - 16:14

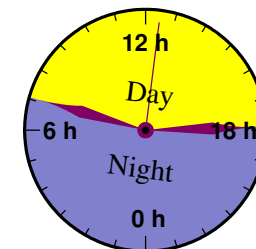
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:28 -4 m. 15°

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

Week **44****March 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for March 5***Monday 29****Tuesday 30****Wednesday 31****Thursday 1****Friday 9****Saturday 10****Sunday 11***Sunrise and Sunset at Oslo (TL ± 1 mn)***302 - 63**

07:31 - 16:30

303 - 62

07:34 - 16:27

304 - 61

07:36 - 16:25

305 - 60

07:39 - 16:22

68 - 297

06:52 - 18:04

69 - 296

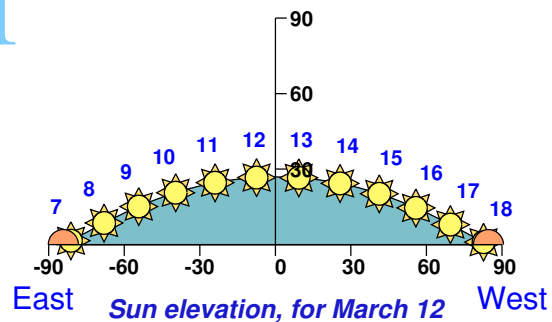
06:49 - 18:07

70 - 295

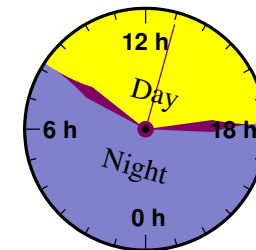
06:46 - 18:09

8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
8:58	8:53	8:48	8:43	11:12	11:18	11:23
-4 m.	-4 m.	-4 m.	-4 m.	+5 m.	+5 m.	+5 m.
17°	16°	16°	16°	26°	26°	26°

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

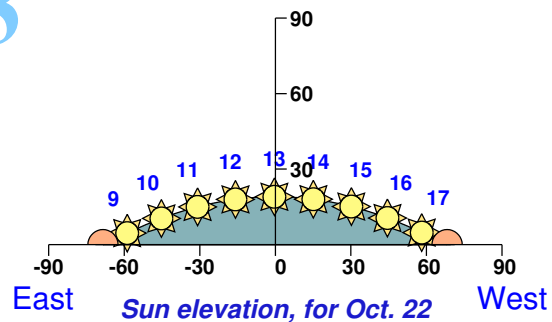
Week **11****October 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Oct. 22*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 26 **Saturday 27** **Sunday 28**
Sunrise and Sunset at Oslo (TL ± 1 mn)

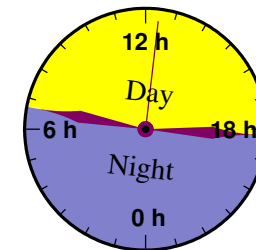
71 - 294 06:43 - 18:12				299 - 66 08:23 - 17:38		
72 - 293 06:40 - 18:14				300 - 65 08:26 - 17:35		
73 - 292 06:37 - 18:17				301 - 64 07:28 - 16:33		
				<i>Time change October 28</i>		
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
11:28 <i>+5 m.</i> 27°	11:34 <i>+6 m.</i> 27°	11:39 <i>+5 m.</i> 28°	11:45 <i>+6 m.</i> 28°	9:14 <i>-4 m.</i> 18°	9:09 <i>-4 m.</i> 17°	9:04 <i>-4 m.</i> 17°

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

Week **43****March 2018**

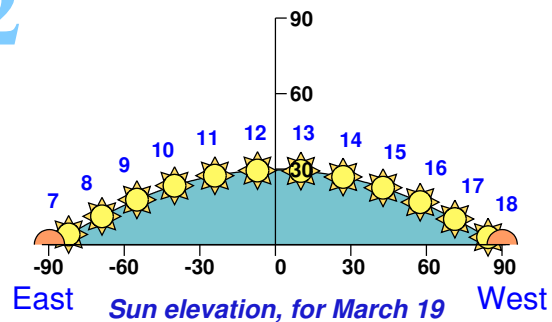
Oslo

10.75°E, 59.916°N

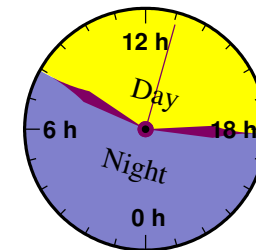
*Duration of the day, for March 12*
Monday 22 **Tuesday 23** **Wednesday 24** **Thursday 25**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Oslo (TL ± 1 mn)

295 - 70 08:13 - 17:49				75 - 290 06:31 - 18:22		
296 - 69 08:16 - 17:46				76 - 289 06:28 - 18:24		
297 - 68 08:18 - 17:43				77 - 288 06:25 - 18:27		
298 - 67 08:21 - 17:41						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
9:35 <i>-4 m.</i> 19°	9:30 <i>-4 m.</i> 19°	9:25 <i>-4 m.</i> 18°	9:19 <i>-5 m.</i> 18°	11:50 <i>+5 m.</i> 28°	11:56 <i>+6 m.</i> 29°	12:01 <i>+5 m.</i> 29°

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

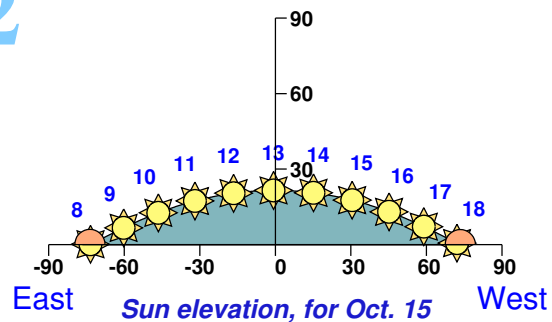
Week **12****October 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Oct. 15*
Monday 19 **Tuesday 20** **Wednesday 21** **Thursday 22**
Friday 19 **Saturday 20** **Sunday 21**
Sunrise and Sunset at Oslo (TL ± 1 mn)

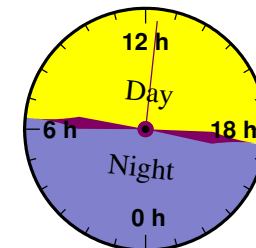
78 - 287 06:22 - 18:29				292 - 73 08:06 - 17:57		
79 - 286 06:19 - 18:31				293 - 72 08:08 - 17:55		
80 - 285 06:16 - 18:34				294 - 71 08:11 - 17:52		
81 - 284 06:13 - 18:36						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
12:07 <i>+5 m.</i> 30°	12:12 <i>+5 m.</i> 30°	12:18 <i>+5 m.</i> 30°	12:23 <i>+5 m.</i> 31°	9:51 <i>-4 m.</i> 20°	9:46 <i>-4 m.</i> 20°	9:41 <i>-4 m.</i> 19°

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

Week **42****March 2018**

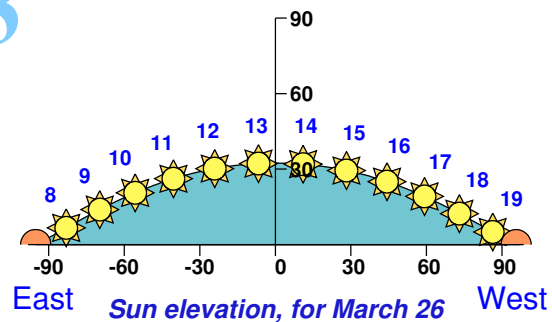
Oslo

10.75°E, 59.916°N

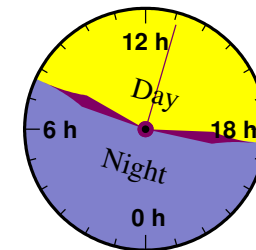
*Duration of the day, for March 19*
Monday 15 **Tuesday 16** **Wednesday 17** **Thursday 18**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Oslo (TL ± 1 mn)

288 - 77 07:56 - 18:09	289 - 76 07:58 - 18:06	290 - 75 08:01 - 18:03	291 - 74 08:03 - 18:00	82 - 283 06:10 - 18:39	83 - 282 06:07 - 18:41	84 - 281 07:04 - 19:44
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
10:13 -4 m. 22°	10:08 -5 m. 21°	10:02 -5 m. 21°	9:57 -4 m. 20°	12:29 +5 m. 31°	12:34 +5 m. 32°	12:39 +5 m. 32°

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

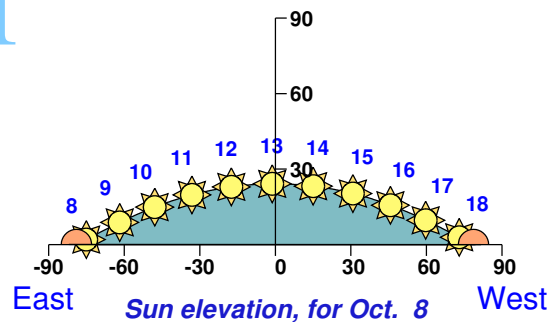
Week **13****October 2018****Oslo**

10.75°E, 59.916°N

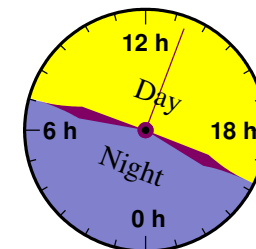
*Duration of the day, for Oct. 8*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 29**
Friday 12 **Saturday 13** **Sunday 14**
Sunrise and Sunset at Oslo (TL ± 1 mn)

85 - 280 07:01 - 19:46				285 - 80 07:49 - 18:18		
86 - 279 06:58 - 19:48				286 - 79 07:51 - 18:15		
87 - 278 06:55 - 19:51				287 - 78 07:53 - 18:12		
88 - 277 06:52 - 19:53						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
12:45 <i>+5 m.</i> 32°	12:50 <i>+5 m.</i> 33°	12:56 <i>+6 m.</i> 33°	13:01 <i>+5 m.</i> 34°	10:29 <i>-5 m.</i> 23°	10:24 <i>-5 m.</i> 22°	10:18 <i>-5 m.</i> 22°

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

Week **41****March - April 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for March 26***Monday 8****Tuesday 9****Wednesday 10****Thursday 11****Friday 30****Saturday 31****Sunday 1***Sunrise and Sunset at Oslo (TL ± 1 mn)***281 - 84**

07:39 - 18:29

282 - 83

07:41 - 18:26

283 - 82

07:44 - 18:23

284 - 81

07:46 - 18:21

89 - 276

06:49 - 19:56

90 - 275

06:46 - 19:58

91 - 274

06:43 - 20:01

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

10:51 -4 m. 24°

10:45 -5 m. 24°

10:40 -4 m. 23°

10:35 -5 m. 23°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

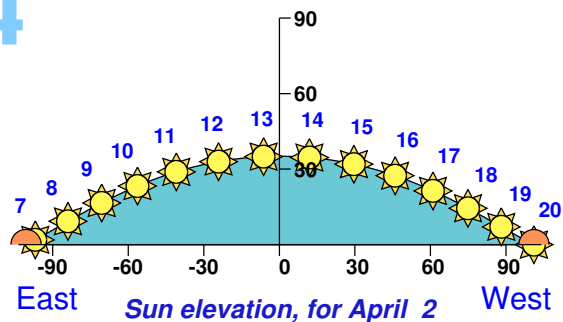
13:07 +6 m. 34°

13:12 +5 m. 34°

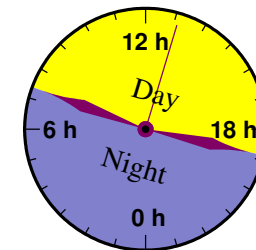
13:18 +5 m.

35°

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

Week **14****October 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Oct. 1***Monday 2****Tuesday 3****Wednesday 4****Thursday 5****Friday 5****Saturday 6****Sunday 7***Sunrise and Sunset at Oslo (TL ± 1 mn)***92 - 273**

06:40 - 20:03

8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

13:23 +5 m. 35°

93 - 272

06:37 - 20:05

8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

13:28 +5 m. 35°

94 - 271

06:34 - 20:08

8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

13:34 +6 m. 36°

95 - 270

06:31 - 20:10

8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

13:39 +5 m. 36°

278 - 87

07:32 - 18:38

8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

11:07 -5 m. 25°

279 - 86

07:34 - 18:35

8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

11:01 -5 m. 25°

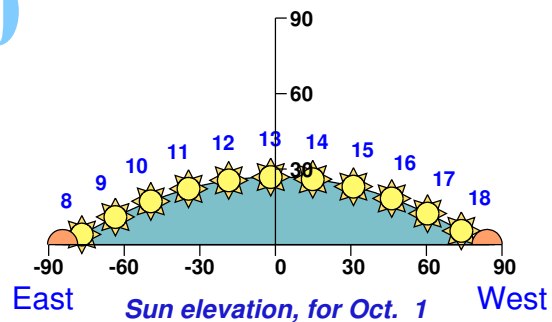
280 - 85

07:37 - 18:32

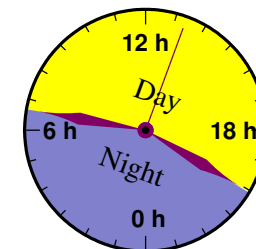
8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

10:56 -4 m. 25°

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

Week **40****April 2018****Oslo**

10.75°E, 59.916°N



Duration of the day, for April 2

Monday 1**Tuesday 2****Wednesday 3****Thursday 4****Friday 6****Saturday 7****Sunday 8**

Sunrise and Sunset at Oslo (TL ± 1 mn)

274 - 91

07:22 - 18:50

275 - 90

07:25 - 18:47

276 - 89

07:27 - 18:44

277 - 88

07:29 - 18:41

96 - 269

06:28 - 20:13

97 - 268

06:25 - 20:15

98 - 267

06:22 - 20:18

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

11:28 -5 m. 27°

11:23 -4 m. 26°

11:17 -5 m. 26°

11:12 -4 m. 26°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

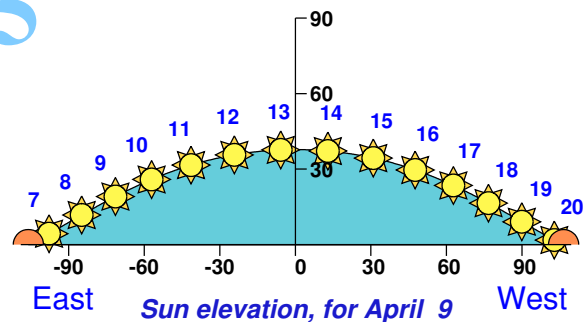
13:45 +6 m. 37°

13:50 +5 m. 37°

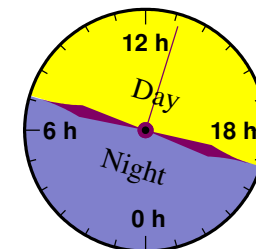
13:56 +5 m.

37°

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

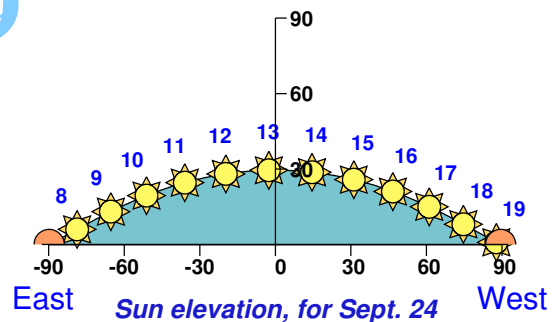
Week **15****September 2018****Oslo**

10.75°E, 59.916°N

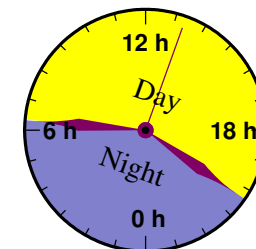
*Duration of the day, for Sept. 24*
Monday 9 **Tuesday 10** **Wednesday 11** **Thursday 12**
Friday 28 **Saturday 29** **Sunday 30**
Sunrise and Sunset at Oslo (TL ± 1 mn)

99 - 266 06:19 - 20:20				271 - 94 07:15 - 18:59		
100 - 265 06:16 - 20:22				272 - 93 07:17 - 18:56		
101 - 264 06:13 - 20:25				273 - 92 07:20 - 18:53		
102 - 263 06:10 - 20:27						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
14:01	+5 m.	38°		11:44	-5 m.	28°
14:06	+5 m.	38°		11:39	-4 m.	28°
14:12	+6 m.	38°		11:34	-5 m.	27°
14:17	+5 m.	39°				

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

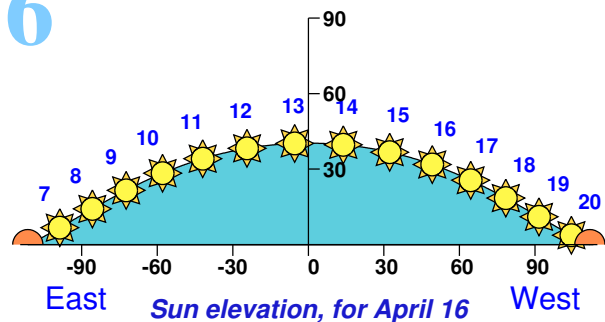
Week **39****April 2018****Oslo**

10.75°E, 59.916°N

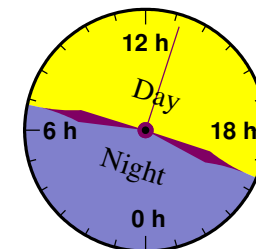
*Duration of the day, for April 9*
Monday 24 **Tuesday 25** **Wednesday 26** **Thursday 27**
Friday 13 **Saturday 14** **Sunday 15**
Sunrise and Sunset at Oslo (TL ± 1 mn)

267 - 98 07:06 - 19:11				103 - 262 06:07 - 20:30		
268 - 97 07:08 - 19:08				104 - 261 06:04 - 20:32		
269 - 96 07:10 - 19:05				105 - 260 06:01 - 20:35		
270 - 95 07:13 - 19:02						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
12:06 -4 m. 30°	12:00 -5 m. 29°	11:55 -4 m. 29°	11:50 -5 m. 28°	14:23 +6 m. 39°	14:28 +5 m. 40°	14:34 +5 m. 40°

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

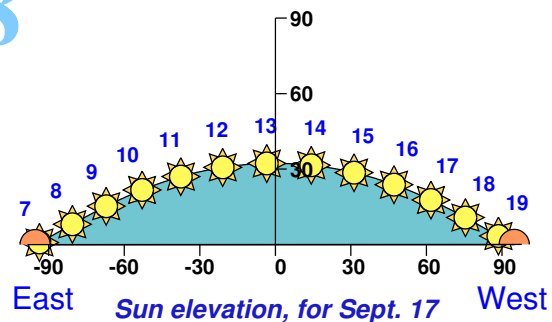
Week **16****September 2018****Oslo**

10.75°E, 59.916°N

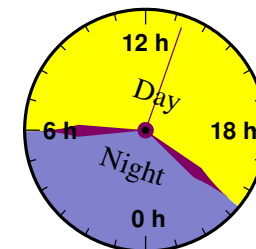
*Duration of the day, for Sept. 17*
Monday 16 **Tuesday 17** **Wednesday 18** **Thursday 19**
Friday 21 **Saturday 22** **Sunday 23**
Sunrise and Sunset at Oslo (TL ± 1 mn)

106 - 259 05:58 - 20:37				264 - 101 06:59 - 19:20		
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
14:39 +5 m. 40°	14:44 +5 m. 41°	14:50 +5 m. 41°	14:55 +5 m. 41°	12:22 -4 m. 31°	12:16 -5 m. 30°	12:11 -4 m. 30°

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

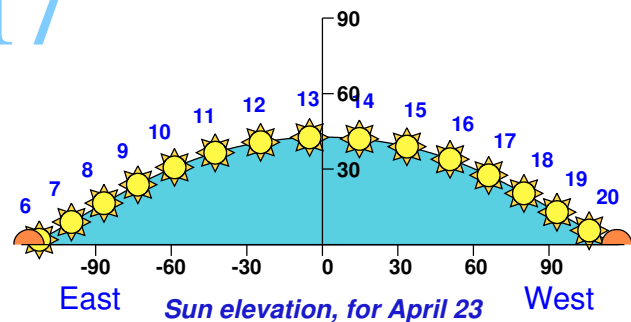
Week **38****April 2018****Oslo**

10.75°E, 59.916°N

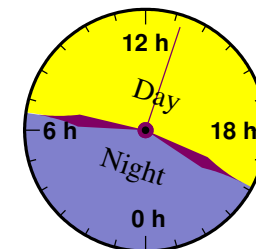
*Duration of the day, for April 16*
Monday 17 **Tuesday 18** **Wednesday 19** **Thursday 20**
Friday 20 **Saturday 21** **Sunday 22**
Sunrise and Sunset at Oslo (TL ± 1 mn)

260 - 105 06:49 - 19:33				110 - 255 05:47 - 20:47		
261 - 104 06:52 - 19:30				111 - 254 05:44 - 20:50		
262 - 103 06:54 - 19:27				112 - 253 05:41 - 20:52		
263 - 102 06:56 - 19:23						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
12:43 -4 m. 32°	12:38 -4 m. 32°	12:33 -5 m. 32°	12:27 -5 m. 31°	15:00 +5 m. 42°	15:06 +6 m. 42°	15:11 +5 m. 42°

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

Week **17****September 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Sept. 10*
Monday 23 **Tuesday 24** **Wednesday 25** **Thursday 26**
Friday 14 **Saturday 15** **Sunday 16**
*Sunrise and Sunset at Oslo (TL ± 1 mn)***113 - 252**

05:38 - 20:55

114 - 251

05:35 - 20:57

115 - 250

05:33 - 20:59

116 - 249

05:30 - 21:02

257 - 108

06:42 - 19:42

258 - 107

06:45 - 19:39

259 - 106

06:47 - 19:36

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

15:16 +5 m. 43°

15:22 +5 m. 43°

15:27 +5 m. 43°

15:32 +5 m. 44°

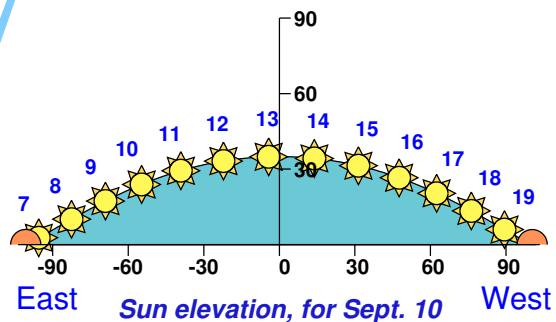
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

12:59 -5 m. 33°

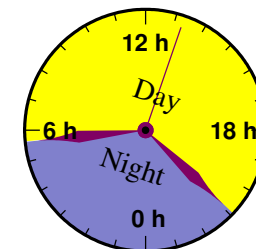
12:54 -4 m. 33°

12:49 -5 m. 33°

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

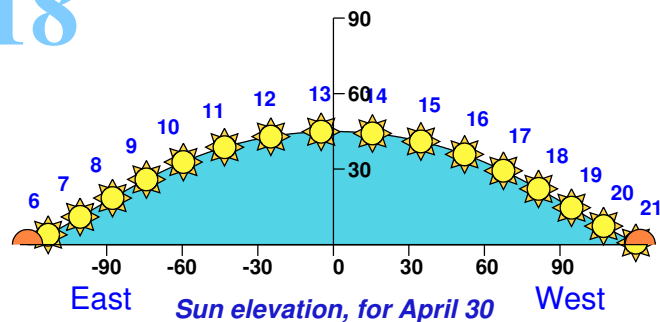
Week **37****April 2018****Oslo**

10.75°E, 59.916°N

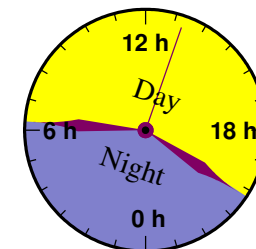
*Duration of the day, for April 23*
Monday 10 **Tuesday 11** **Wednesday 12** **Thursday 13**
Friday 27 **Saturday 28** **Sunday 29**
Sunrise and Sunset at Oslo (TL ± 1 mn)

253 - 112 06:33 - 19:54				117 - 248 05:27 - 21:04		
254 - 111 06:35 - 19:51				118 - 247 05:24 - 21:07		
255 - 110 06:38 - 19:48				119 - 246 05:21 - 21:09		
256 - 109 06:40 - 19:45						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
13:21 -4 m. 35°	13:15 -5 m. 35°	13:10 -4 m. 34°	13:05 -4 m. 34°	15:38 +5 m. 44°	15:43 +5 m. 44°	15:48 +5 m. 45°

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

Week **18****September 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Sept. 3***Monday 30****Tuesday 1****Wednesday 2****Thursday 3****Friday 7****Saturday 8****Sunday 9***Sunrise and Sunset at Oslo (TL ± 1 mn)***120 - 245**

05:19 - 21:12

121 - 244

05:16 - 21:14

122 - 243

05:13 - 21:17

123 - 242

05:11 - 21:19

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

15:53 +5 m. 45°

15:58 +5 m. 45°

16:04 +5 m. 46°

16:09 +5 m. 46°

250 - 115

06:26 - 20:03

251 - 114

06:28 - 20:00

252 - 113

06:31 - 19:57

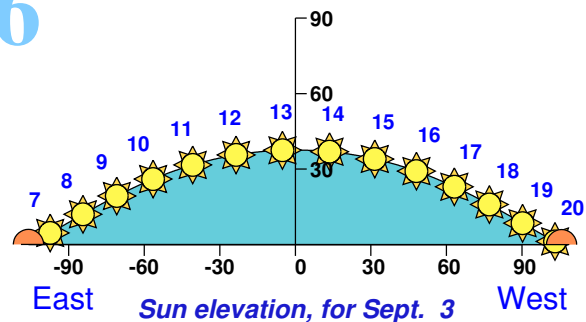
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

13:37 -4 m. 36°

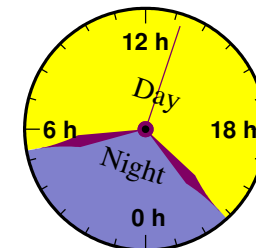
13:32 -5 m. 36°

13:26 -5 m. 35°

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

Week **36****April - May 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for April 30***Monday 3****Tuesday 4****Wednesday 5****Thursday 6****Friday 4****Saturday 5****Sunday 6***Sunrise and Sunset at Oslo (TL ± 1 mn)***246 - 119**

06:17 - 20:15

247 - 118

06:19 - 20:12

248 - 117

06:21 - 20:09

249 - 116

06:24 - 20:06

124 - 241

05:08 - 21:22

125 - 240

05:05 - 21:24

126 - 239

05:03 - 21:27

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

13:58 -4 m. 38°

13:53 -4 m. 37°

13:48 -4 m. 37°

13:42 -5 m. 36°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

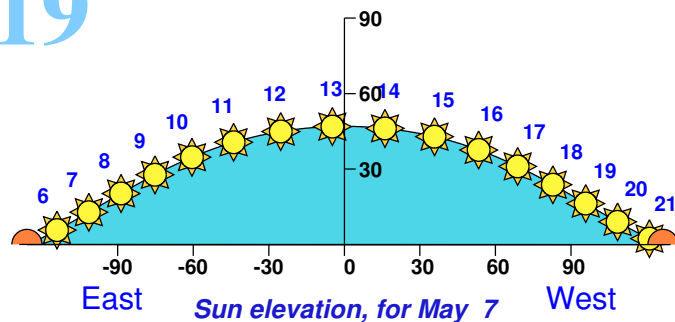
16:14 +5 m. 46°

16:19 +5 m. 46°

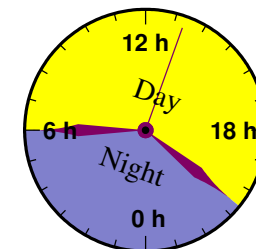
16:24 +5 m.

47°

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

Week **19****Aug. - Sept. 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for Aug. 27***Monday 7****Tuesday 8****Wednesday 9****Thursday 10****Friday 31****Saturday 1****Sunday 2***Sunrise and Sunset at Oslo (TL ± 1 mn)***127 - 238**

05:00 - 21:29

128 - 237

04:58 - 21:32

129 - 236

04:55 - 21:34

130 - 235

04:53 - 21:36

243 - 122

06:10 - 20:24

244 - 121

06:12 - 20:21

245 - 120

06:14 - 20:18

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

16:29 +5 m. 47°

16:34 +5 m. 47°

16:39 +5 m. 48°

16:44 +5 m. 48°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

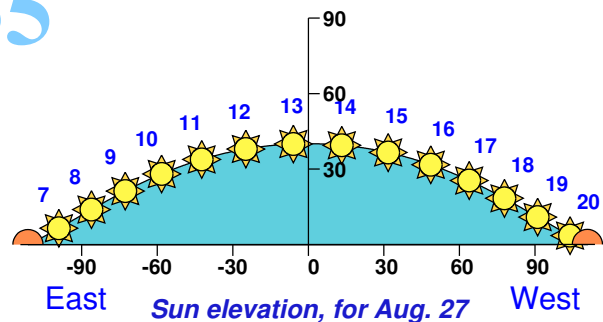
14:14 -5 m. 39°

14:09 -4 m. 38°

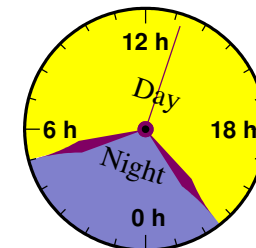
14:04 -4 m. 38°

38°

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

Week **35****May 2018****Oslo**

10.75°E, 59.916°N

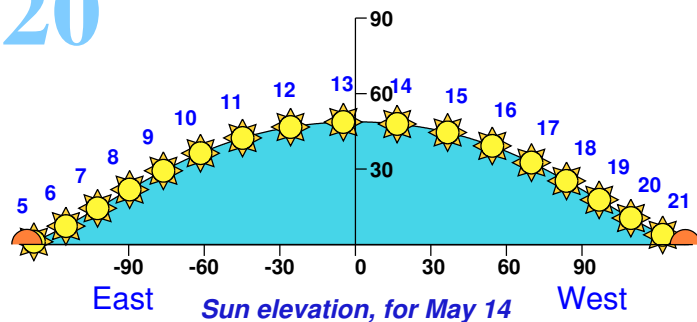


Duration of the day, for May 7

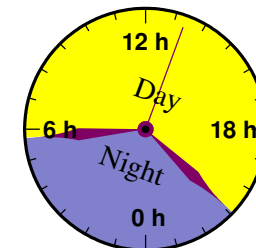
Monday 27 **Tuesday 28** **Wednesday 29** **Thursday 30**
Friday 11 **Saturday 12** **Sunday 13**
Sunrise and Sunset at Oslo (TL ± 1 mn)

239 - 126 06:00 - 20:36				131 - 234 04:50 - 21:39		
240 - 125 06:02 - 20:33				132 - 233 04:48 - 21:41		
241 - 124 06:05 - 20:30				133 - 232 04:45 - 21:44		
242 - 123 06:07 - 20:27						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
14:36 -4 m. 40°	14:30 -5 m. 40°	14:25 -4 m. 39°	14:20 -4 m. 39°	16:49 +5 m. 48°	16:54 +4 m. 48°	16:58 +4 m. 49°

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

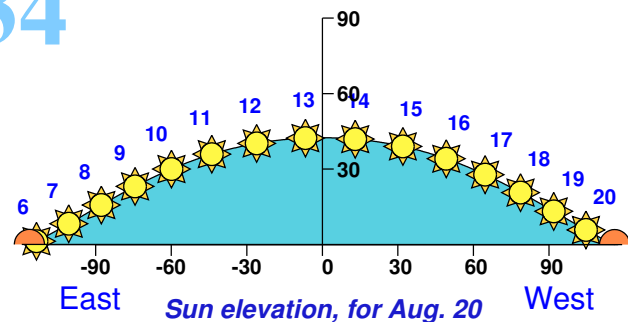
Week **20****August 2018****Oslo**

10.75°E, 59.916°N

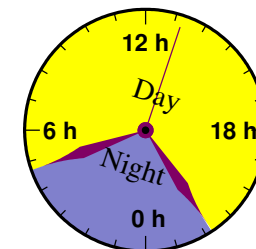
*Duration of the day, for Aug. 20*
Monday 14 **Tuesday 15** **Wednesday 16** **Thursday 17**
Friday 24 **Saturday 25** **Sunday 26**
Sunrise and Sunset at Oslo (TL ± 1 mn)

134 - 231 04:43 - 21:46				236 - 129 05:53 - 20:45		
135 - 230 04:40 - 21:48				237 - 128 05:55 - 20:42		
136 - 229 04:38 - 21:51				238 - 127 05:58 - 20:39		
137 - 228 04:36 - 21:53						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
17:03 +5 m. 49°	17:08 +5 m. 49°	17:13 +4 m. 49°	17:17 +4 m. 49°	14:52 -4 m. 41°	14:46 -5 m. 41°	14:41 -4 m. 40°

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

Week **34****May 2018****Oslo**

10.75°E, 59.916°N



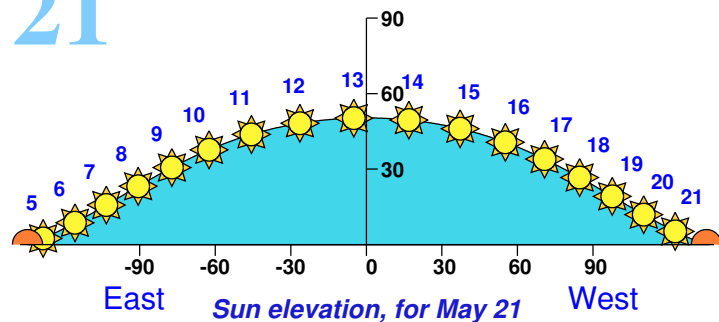
Duration of the day, for May 14

Monday 20 **Tuesday 21** **Wednesday 22** **Thursday 23**
Friday 18 **Saturday 19** **Sunday 20**

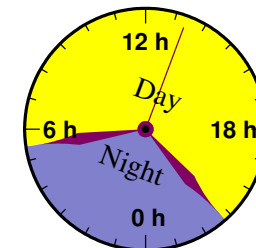
Sunrise and Sunset at Oslo (TL ± 1 mn)

232 - 133 05:43 - 20:56				138 - 227 04:34 - 21:55		
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
15:13 -4 m. 42°	15:08 -5 m. 42°	15:02 -5 m. 42°	14:57 -4 m. 41°	17:22 +5 m. 50°	17:26 +4 m. 50°	17:31 +4 m. 50°

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

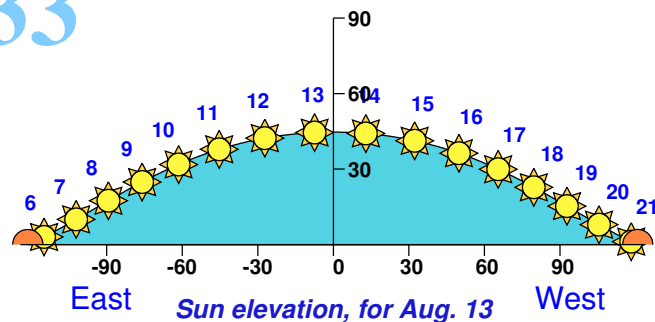
Week **21****August 2018****Oslo**

10.75°E, 59.916°N

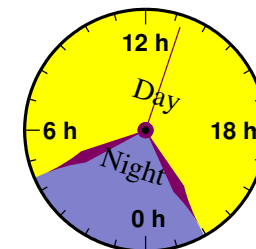
*Duration of the day, for Aug. 13*
Monday 21 **Tuesday 22** **Wednesday 23** **Thursday 24**
Friday 17 **Saturday 18** **Sunday 19**
Sunrise and Sunset at Oslo (TL ± 1 mn)

141 - 224 04:27 - 22:02			142 - 223 04:25 - 22:04			143 - 222 04:23 - 22:06			144 - 221 04:21 - 22:08			229 - 136 05:36 - 21:05			230 - 135 05:39 - 21:02			231 - 134 05:41 - 20:59		
8			8			8			8			8			8			8		
9			9			9			9			9			9			9		
10			10			10			10			10			10			10		
11			11			11			11			11			11			11		
12			12			12			12			12			12			12		
13			13			13			13			13			13			13		
14			14			14			14			14			14			14		
15			15			15			15			15			15			15		
16			16			16			16			16			16			16		
17			17			17			17			17			17			17		
18			18			18			18			18			18			18		
19			19			19			19			19			19			19		
20			20			20			20			20			20			20		
17:35	+4 m.	50°	17:39	+4 m.	51°	17:43	+4 m.	51°	17:47	+4 m.	51°	15:28	-5 m.	43°	15:23	-4 m.	43°	15:18	-4 m.	43°

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

Week **33****May 2018****Oslo**

10.75°E, 59.916°N



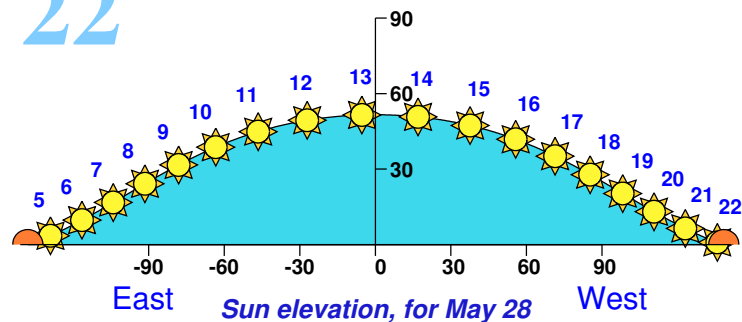
Duration of the day, for May 21

Monday 13 **Tuesday 14** **Wednesday 15** **Thursday 16**
Friday 25 **Saturday 26** **Sunday 27**

Sunrise and Sunset at Oslo (TL ± 1 mn)

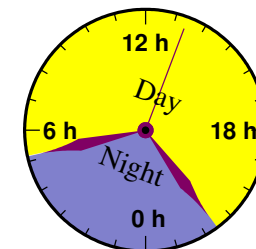
225 - 140 05:27 - 21:16				145 - 220 04:19 - 22:10		
226 - 139 05:29 - 21:13				146 - 219 04:17 - 22:12		
227 - 138 05:31 - 21:10				147 - 218 04:16 - 22:14		
228 - 137 05:34 - 21:07						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
15:49 -4 m. 45°	15:44 -4 m. 44°	15:39 -4 m. 44°	15:34 -4 m. 44°	17:51 +4 m. 51°	17:55 +4 m. 51°	17:59 +4 m. 51°

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

Week **22****August 2018**

Oslo

10.75°E, 59.916°N



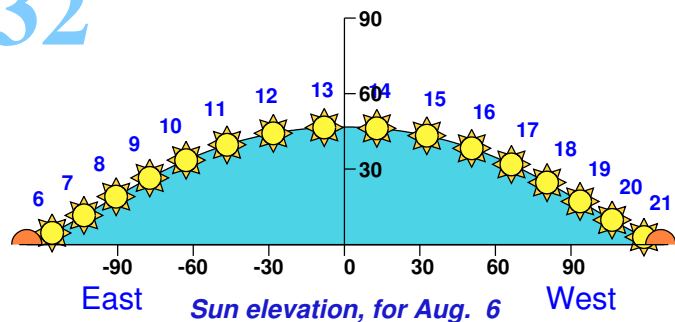
Duration of the day, for Aug. 6

Monday **28** Tuesday **29** Wednesday **30** Thursday **31**Friday **10** Saturday **11** Sunday **12**

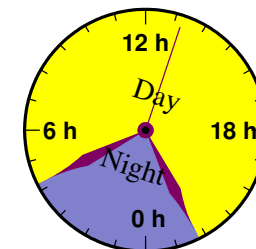
Sunrise and Sunset at Oslo (TL ± 1 mn)

148 - 217 04:14 - 22:16				222 - 143 05:19 - 21:24		
149 - 216 04:12 - 22:18				223 - 142 05:22 - 21:21		
150 - 215 04:11 - 22:20				224 - 141 05:24 - 21:19		
151 - 214 04:09 - 22:22						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
18:03 +4 m. 52°	18:06 +3 m. 52°	18:10 +3 m. 52°	18:13 +3 m. 52°	16:05 -5 m. 46°	16:00 -5 m. 45°	15:54 -5 m. 45°

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

Week **32****May - June 2018****Oslo**

10.75°E, 59.916°N



Duration of the day, for May 28

Monday 6**Tuesday 7****Wednesday 8****Thursday 9****Friday 1****Saturday 2****Sunday 3**Sunrise and Sunset at Oslo (TL ± 1 mn)**218 - 147**

05:10 - 21:35

219 - 146

05:12 - 21:32

220 - 145

05:15 - 21:29

221 - 144

05:17 - 21:27

152 - 213

04:07 - 22:24

153 - 212

04:06 - 22:25

154 - 211

04:05 - 22:27

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

16:25 -4 m. 47°

16:20 -4 m. 46°

16:15 -4 m. 46°

16:10 -5 m. 46°

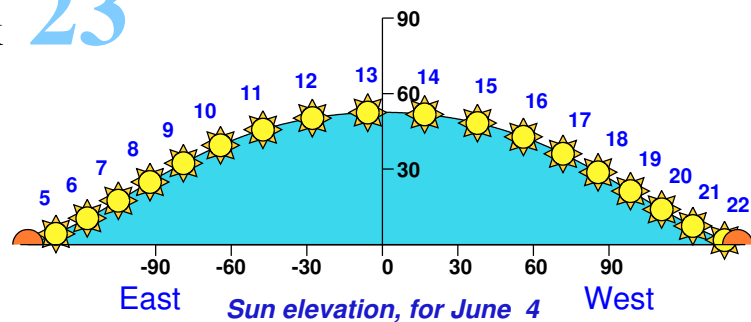
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

18:16 +3 m. 52°

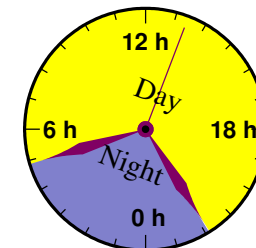
18:19 +3 m. 52°

18:22 +3 m. 52°

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

Week **23****July - Aug. 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for July 30***Monday 4****Tuesday 5****Wednesday 6****Thursday 7****Friday 3****Saturday 4****Sunday 5***Sunrise and Sunset at Oslo (TL ± 1 mn)***155 - 210**

04:03 - 22:29

8
9
10
11
12
13
14
15
16
17
18
19
20

18:25 +3 m. 53°

156 - 209

04:02 - 22:30

8
9
10
11
12
13
14
15
16
17
18
19
20

18:28 +3 m. 53°

157 - 208

04:01 - 22:32

8
9
10
11
12
13
14
15
16
17
18
19
20

18:31 +2 m. 53°

158 - 207

04:00 - 22:33

8
9
10
11
12
13
14
15
16
17
18
19
20

18:33 +2 m. 53°

215 - 150

05:03 - 21:42

8
9
10
11
12
13
14
15
16
17
18
19
20

16:40 -4 m. 48°

216 - 149

05:05 - 21:40

8
9
10
11
12
13
14
15
16
17
18
19
20

16:35 -4 m. 47°

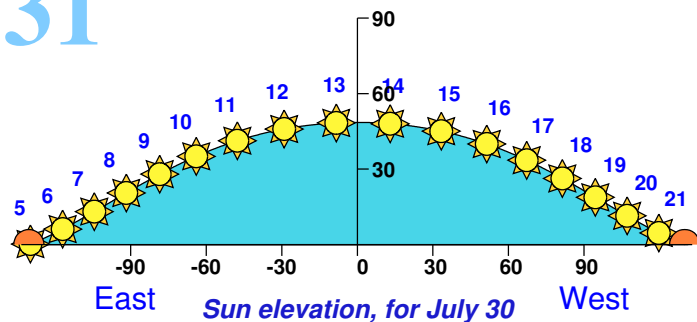
217 - 148

05:08 - 21:37

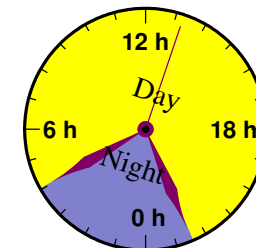
8
9
10
11
12
13
14
15
16
17
18
19
20

16:30 -4 m. 47°

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

Week **31****June 2018****Oslo**

10.75°E, 59.916°N



Duration of the day, for June 4

Monday 30**Tuesday 31****Wednesday 1****Thursday 2****Friday 8****Saturday 9****Sunday 10**Sunrise and Sunset at Oslo (TL $\pm$ 1 mn)**211 - 154**

04:53 - 21:52

212 - 153

04:56 - 21:50

213 - 152

04:58 - 21:47

214 - 151

05:00 - 21:45

159 - 206

03:59 - 22:34

160 - 205

03:58 - 22:36

161 - 204

03:57 - 22:37

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

16:59 -4 m. 49°

16:54 -4 m. 48°

16:49 -4 m. 48°

16:44 -4 m. 48°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

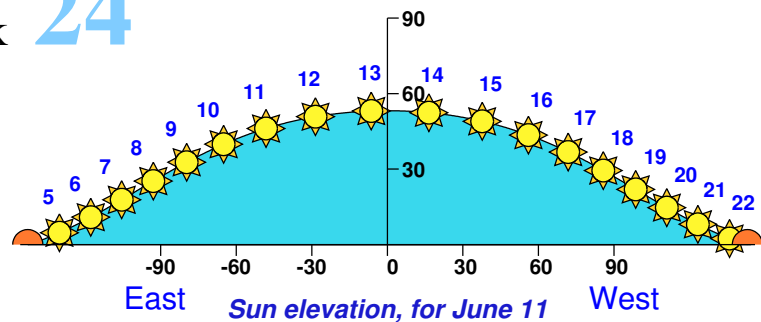
18:35 +2 m. 53°

18:38 +2 m. 53°

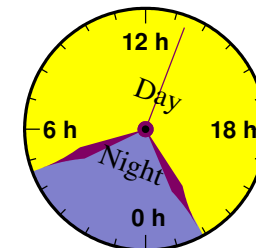
18:40 +1 m. 53°

18:40 +1 m. 53°

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

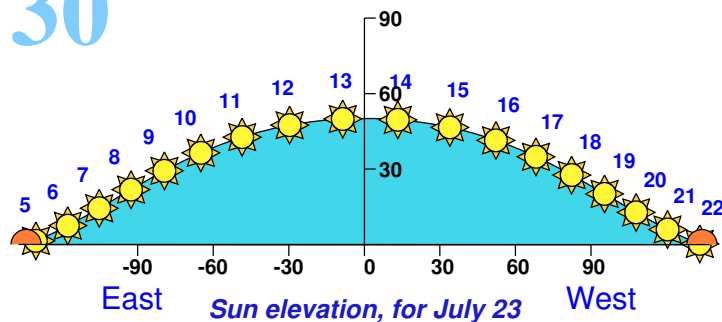
Week **24****July 2018****Oslo**

10.75°E, 59.916°N

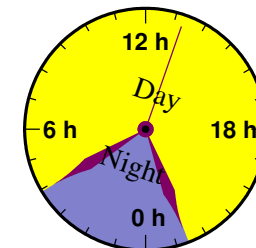
*Duration of the day, for July 23*
Monday 11 **Tuesday 12** **Wednesday 13** **Thursday 14**
Friday 27 **Saturday 28** **Sunday 29**
Sunrise and Sunset at Oslo (TL ± 1 mn)

162 - 203 03:56 - 22:38				208 - 157 04:47 - 21:59		
163 - 202 03:56 - 22:39				209 - 156 04:49 - 21:57		
164 - 201 03:55 - 22:40				210 - 155 04:51 - 21:55		
165 - 200 03:55 - 22:41						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
18:41 <i>+2 m.</i> 53°	18:43 <i>+2 m.</i> 53°	18:45 <i>+1 m.</i> 53°	18:46 <i>+1 m.</i> 53°	17:13 <i>-3 m.</i> 49°	17:08 <i>-4 m.</i> 49°	17:04 <i>-4 m.</i> 49°

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

Week **30****June 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for June 11*
Monday 23 **Tuesday 24** **Wednesday 25** **Thursday 26**
Friday 15 **Saturday 16** **Sunday 17**
*Sunrise and Sunset at Oslo (TL ± 1 mn)***204 - 161**

04:38 - 22:08

205 - 160

04:40 - 22:06

206 - 159

04:42 - 22:04

207 - 158

04:44 - 22:02

166 - 199

03:54 - 22:41

167 - 198

03:54 - 22:42

168 - 197

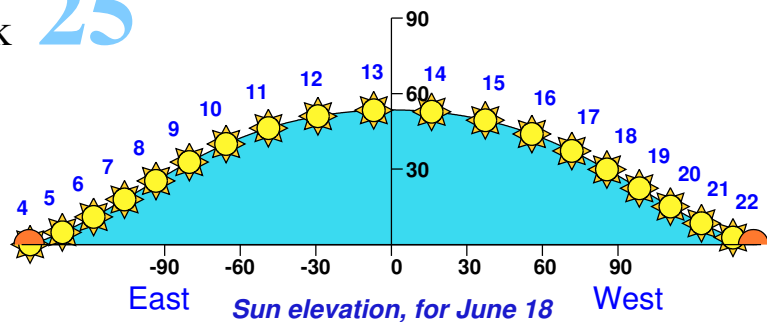
03:54 - 22:43

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

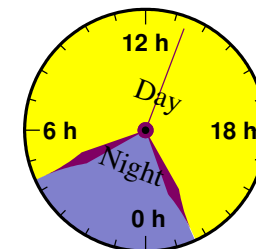
17:30 **-3 m.** 50°17:26 **-3 m.** 50°17:22 **-3 m.** 50°17:17 **-4 m.** 49°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

18:47 **+1 m.** 53°18:48 **+1 m.** 53°18:49 **+1 m.** 53°*Duration of the day - Variation - Sun maximal elevation (°)*

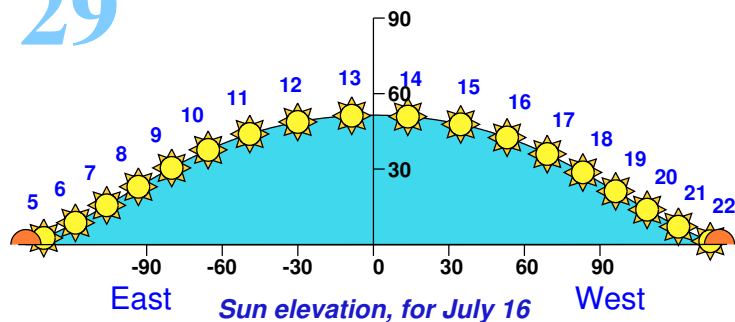
Week **25****July 2018****Oslo**

10.75°E, 59.916°N

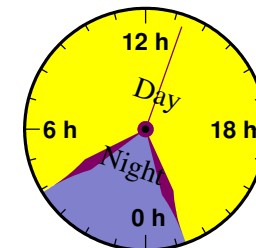
*Duration of the day, for July 16*
Monday 18 **Tuesday 19** **Wednesday 20** **Thursday 21**
Friday 20 **Saturday 21** **Sunday 22**
Sunrise and Sunset at Oslo (TL ± 1 mn)

169 - 196 03:54 - 22:43				201 - 164 04:31 - 22:14		
170 - 195 03:54 - 22:44				202 - 163 04:33 - 22:12		
171 - 194 03:54 - 22:44				203 - 162 04:36 - 22:10		
172 - 193 03:54 - 22:44						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
18:49 <i>+0 m.</i> 54°	18:50 <i>+1 m.</i> 54°	18:50 <i>+0 m.</i> 54°	18:50 <i>+0 m.</i> 54°	17:43 <i>-3 m.</i> 51°	17:39 <i>-3 m.</i> 51°	17:35 <i>-3 m.</i> 50°

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

Week **29****June 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for June 18*
Monday 16 **Tuesday 17** **Wednesday 18** **Thursday 19**
Friday 22 **Saturday 23** **Sunday 24**
*Sunrise and Sunset at Oslo (TL ± 1 mn)**197 - 168*

04:23 - 22:22

198 - 167

04:25 - 22:20

199 - 166

Polar Night

200 - 165

04:29 - 22:16

173 - 192

03:54 - 22:44

174 - 191

03:54 - 22:44

175 - 190

03:55 - 22:44

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

17:59 -3 m. 51°

17:55 -3 m. 51°

17:47 +1067 m. 51°

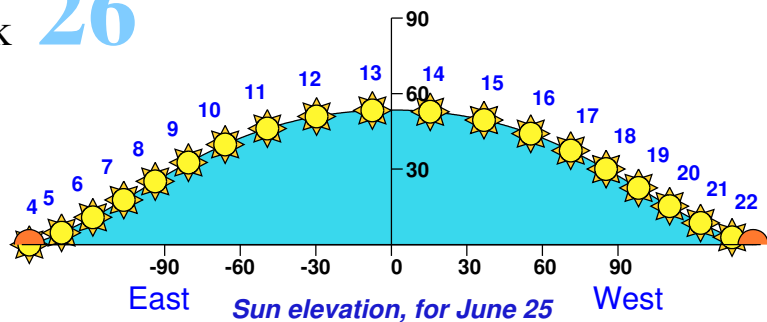
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

18:50 +0 m. 54°

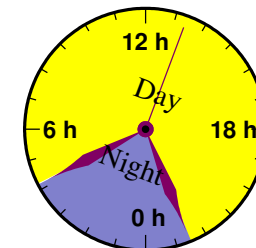
18:50 +0 m. 54°

18:50 +0 m. 54°

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

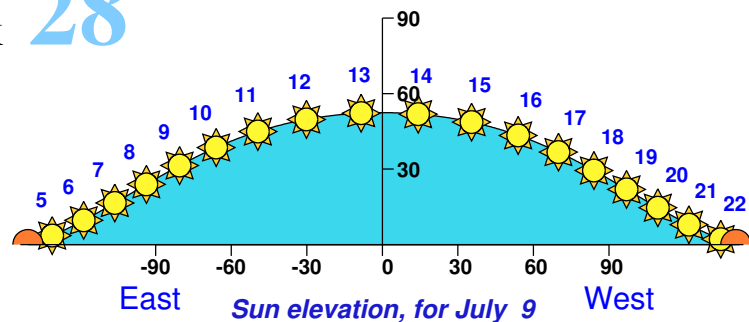
Week **26****July 2018****Oslo**

10.75°E, 59.916°N

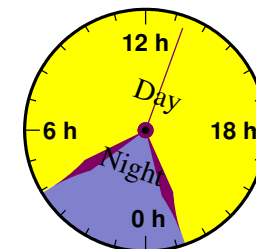
*Duration of the day, for July 9*
Monday 25 **Tuesday 26** **Wednesday 27** **Thursday 28**
Friday 13 **Saturday 14** **Sunday 15**
Sunrise and Sunset at Oslo (TL ± 1 mn)

176 - 189 03:55 - 22:44				194 - 171 04:18 - 22:27		
177 - 188 03:56 - 22:44				195 - 170 04:19 - 22:25		
178 - 187 03:57 - 22:43				196 - 169 04:21 - 22:24		
179 - 186 03:57 - 22:43						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
18:49 +0 m. 53°	18:48 +0 m. 53°	18:47 +0 m. 53°	18:46 +0 m. 53°	18:10 -3 m. 52°	18:06 -3 m. 52°	18:03 -3 m. 52°

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

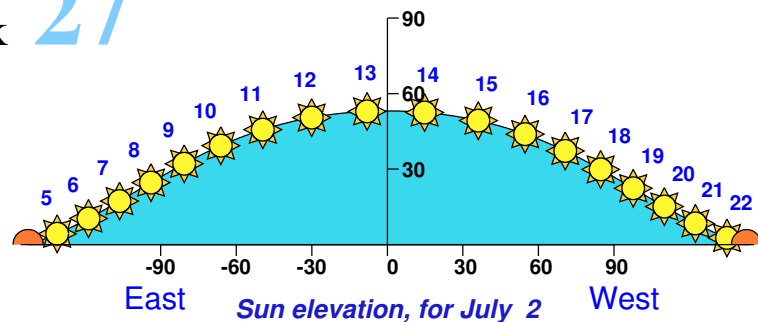
Week **28****June - July 2018****Oslo**

10.75°E, 59.916°N

*Duration of the day, for June 25*
Monday 9 **Tuesday 10** **Wednesday 11** **Thursday 12**
Friday 29 **Saturday 30** **Sunday 1**
Sunrise and Sunset at Oslo (TL ± 1 mn)

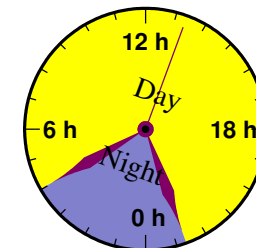
190 - 175 04:11 - 22:33				180 - 185 03:58 - 22:43		
191 - 174 04:12 - 22:32				181 - 184 03:59 - 22:42		
192 - 173 04:14 - 22:30				182 - 183 04:00 - 22:41		
193 - 172 04:16 - 22:29						
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12
13	13	13	13	13	13	13
14	14	14	14	14	14	14
15	15	15	15	15	15	15
16	16	16	16	16	16	16
17	17	17	17	17	17	17
18	18	18	18	18	18	18
19	19	19	19	19	19	19
20	20	20	20	20	20	20
18:22 -2 m. 52°	18:19 -2 m. 52°	18:16 -2 m. 52°	18:13 -2 m. 52°	18:44 -1 m. 53°	18:43 +0 m. 53°	18:41 -1 m. 53°

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

Week **27****July 2018**

Oslo

10.75°E, 59.916°N



Duration of the day, for July 2

Monday **2**Tuesday **3**Wednesday **4**Thursday **5**Friday **6**Saturday **7**Sunday **8**Sunrise and Sunset at Oslo (TL ± 1 mn)

183 - 182

04:01 - 22:41

184 - 181

04:02 - 22:40

185 - 180

04:04 - 22:39

186 - 179

04:05 - 22:38

187 - 178

04:06 - 22:37

188 - 177

04:08 - 22:35

189 - 176

04:09 - 22:34

8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20

18:39 -1 m. 53°

18:37 -1 m. 53°

18:35 -1 m. 53°

18:33 -1 m. 53°

8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

18:30 -2 m. 53°

18:28 -1 m. 53°

18:25 -2 m. 53°

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