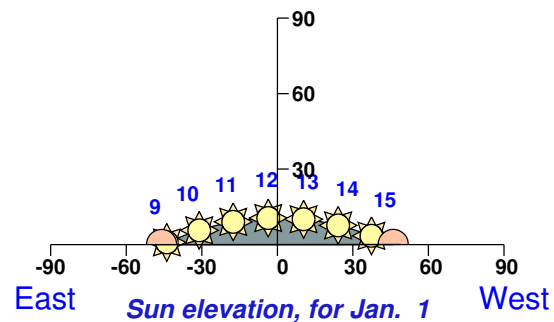
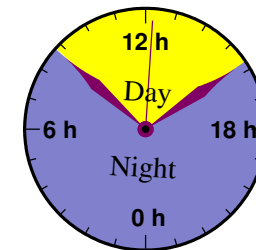


Sun Diary **2018**

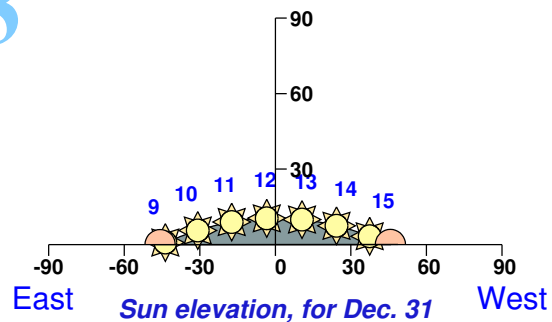
Week **1****Dec. - Jan. 2019****Dundee**

-2.97°E, 56.46°N

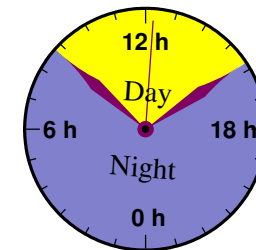
*Duration of the day, for Dec. 31***Monday 1****Tuesday 2****Wednesday 3****Thursday 4****Friday 4****Saturday 5****Sunday 6***Sunrise and Sunset at Dundee (TL ± 1 mn)*

1 - 364 08:46 - 15:45				4 - 361 08:45 - 15:49			5 - 360 08:45 - 15:50			6 - 359 08:44 - 15:52	
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20
6:58	+1 m.	11°	7:00	+1 m.	11°	7:02	+2 m.	11°	7:03	+2 m.	11°

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

Week **53****January 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***365 - 0**

08:47 - 15:44

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

6:57 +1 m. 11°

1 - 364

08:46 - 15:45

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

6:58 +1 m. 11°

2 - 363

08:46 - 15:46

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

7:00 +2 m. 11°

3 - 362

08:46 - 15:47

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

7:01 +2 m. 11°

5 - 360

08:45 - 15:51

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

7:05 +2 m. 11°

6 - 359

08:44 - 15:52

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

7:07 +2 m. 11°

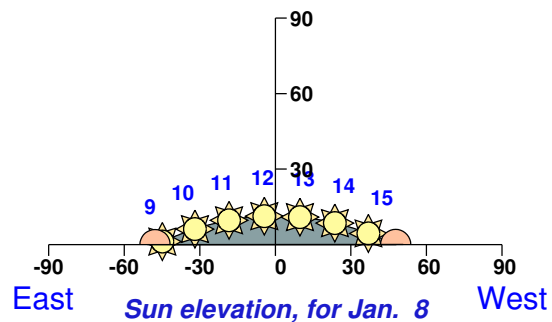
7 - 358

08:43 - 15:54

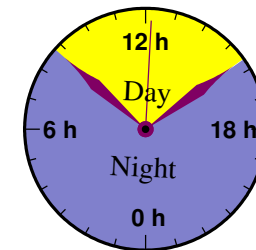
8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

7:10 +2 m. 11°

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

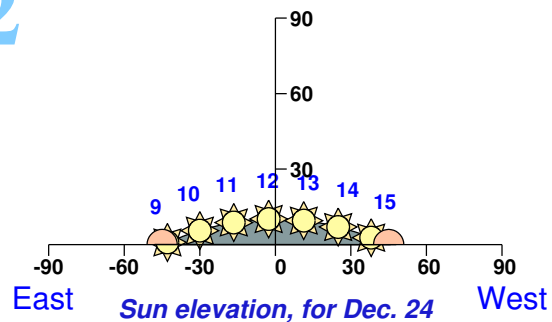
Week **2****December 2018****Dundee**

-2.97°E, 56.46°N

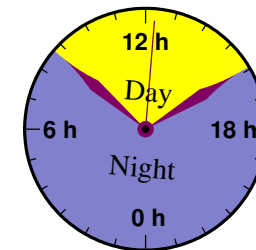
*Duration of the day, for Dec. 24***Monday 8****Tuesday 9****Wednesday 10****Thursday 11****Friday 28****Saturday 29****Sunday 30***Sunrise and Sunset at Dundee (TL ± 1 mn)*

8 - 357 08:43 - 15:55	9 - 356 08:42 - 15:57	10 - 355 08:41 - 15:58	11 - 354 08:40 - 16:00	362 - 3 08:47 - 15:40	363 - 2 08:47 - 15:41	364 - 1 08:47 - 15:43
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
7:12 +2 m. 11°	7:14 +2 m. 12°	7:17 +2 m. 12°	7:19 +2 m. 12°	6:53 +1 m. 10°	6:54 +1 m. 10°	6:55 +1 m. 10°

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

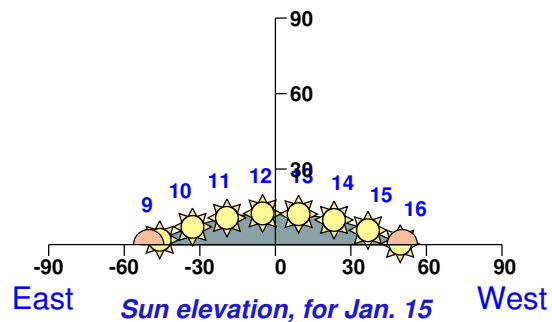
Week **52****January 2018****Dundee**

-2.97°E, 56.46°N

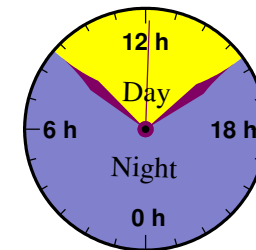
*Duration of the day, for Jan. 8*
Monday 24 **Tuesday 25** **Wednesday 26** **Thursday 27**
Friday 12 **Saturday 13** **Sunday 14**
Sunrise and Sunset at Dundee (TL ± 1 mn)

358 - 7 08:46 - 15:37				12 - 353 08:39 - 16:02		
359 - 6 08:46 - 15:38				13 - 352 08:38 - 16:04		
360 - 5 08:47 - 15:39				14 - 351 08:37 - 16:06		
361 - 4 08:47 - 15:40						
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
6:51 <i>+0 m.</i> 10°	6:51 <i>+0 m.</i> 10°	6:52 <i>+0 m.</i> 10°	6:52 <i>+1 m.</i> 10°	7:22 <i>+3 m.</i> 12°	7:25 <i>+3 m.</i> 12°	7:28 <i>+3 m.</i> 12°

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

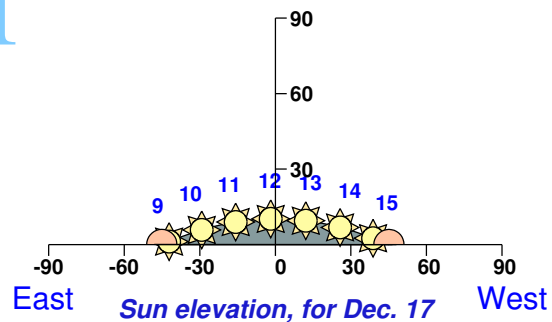
Week **3****December 2018****Dundee**

-2.97°E, 56.46°N

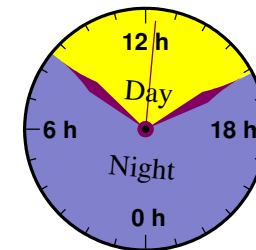
*Duration of the day, for Dec. 17*
Monday 15 **Tuesday 16** **Wednesday 17** **Thursday 18**
Friday 21 **Saturday 22** **Sunday 23**
Sunrise and Sunset at Dundee (TL ± 1 mn)

15 - 350 08:36 - 16:07				355 - 10 08:45 - 15:35		
16 - 349 08:35 - 16:09				356 - 9 08:45 - 15:36		
17 - 348 08:34 - 16:11				357 - 8 08:46 - 15:36		
18 - 347 08:32 - 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
7:31	+3 m.	13°		6:50	+0 m.	10°

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

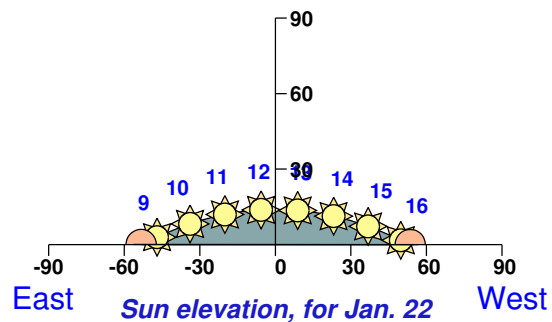
Week **51****January 2018****Dundee**

-2.97°E, 56.46°N

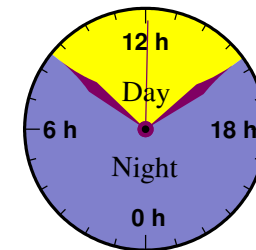
*Duration of the day, for Jan. 15*
Monday 17 **Tuesday 18** **Wednesday 19** **Thursday 20**
Friday 19 **Saturday 20** **Sunday 21**
Sunrise and Sunset at Dundee (TL ± 1 mn)

351 - 14 08:42 - 15:34				19 - 346 08:31 - 16:15		
352 - 13 08:43 - 15:34				20 - 345 08:29 - 16:17		
353 - 12 08:44 - 15:35				21 - 344 08:28 - 16:19		
354 - 11 08:44 - 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
6:52 +0 m. 10°	6:51 +0 m. 10°	6:51 +0 m. 10°	6:50 +0 m. 10°	7:44 +3 m. 13°	7:47 +3 m. 14°	7:51 +3 m. 14°

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

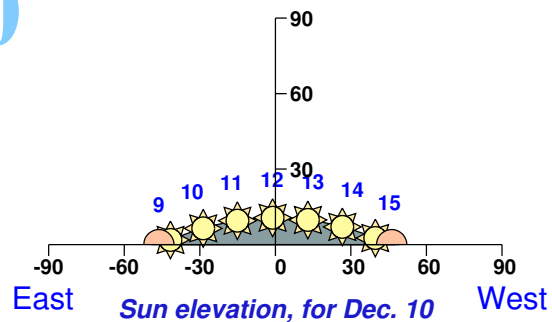
Week **4****December 2018****Dundee**

-2.97°E, 56.46°N

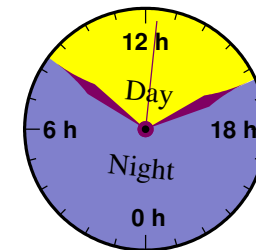
*Duration of the day, for Dec. 10*
Monday 22 **Tuesday 23** **Wednesday 24** **Thursday 25**
Friday 14 **Saturday 15** **Sunday 16**
Sunrise and Sunset at Dundee (TL ± 1 mn)

22 - 343 08:26 - 16:21				348 - 17 08:39 - 15:34		
23 - 342 08:25 - 16:23				349 - 16 08:40 - 15:34		
24 - 341 08:23 - 16:26				350 - 15 08:41 - 15:34		
25 - 340 08:22 - 16:28						
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
7:55 +4 m. 14°	7:58 +3 m. 14°	8:02 +4 m. 14°	8:06 +4 m. 15°	6:54 +0 m. 10°	6:53 +0 m. 10°	6:52 +0 m. 10°

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

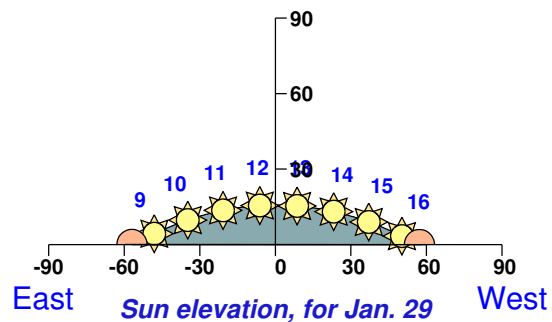
Week **50****January 2018****Dundee**

-2.97°E, 56.46°N

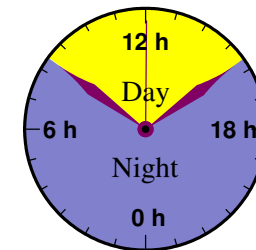
*Duration of the day, for Jan. 22*
Monday 10 **Tuesday 11** **Wednesday 12** **Thursday 13**
Friday 26 **Saturday 27** **Sunday 28**
Sunrise and Sunset at Dundee (TL ± 1 mn)

344 - 21 08:35 - 15:35			345 - 20 08:36 - 15:34			346 - 19 08:37 - 15:34			347 - 18 08:38 - 15:34			26 - 339 08:20 - 16:30			27 - 338 08:18 - 16:32			28 - 337 08:16 - 16:34		
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		
6:59	-1 m.	11°	6:58	-1 m.	11°	6:56	+0 m.	11°	6:55	+0 m.	10°	8:10	+4 m.	15°	8:13	+4 m.	15°	8:17	+4 m.	15°

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

Week **5****December 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***29 - 336**

08:15 - 16:36

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

8:21 +4 m. 16°

30 - 335

08:13 - 16:39

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

8:25 +4 m. 16°

31 - 334

08:11 - 16:41

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

8:29 +4 m. 16°

32 - 333

08:09 - 16:43

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

8:34 +4 m. 17°

341 - 24

08:31 - 15:36

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

7:04 -1 m. 11°

342 - 23

08:32 - 15:35

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

7:03 -1 m. 11°

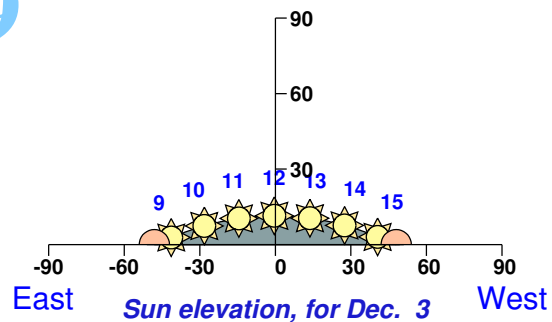
343 - 22

08:34 - 15:35

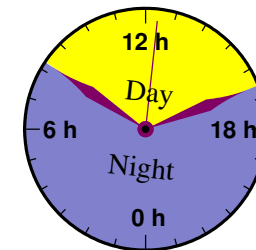
8
9
10
11
12
13
14
15
16
17
18
19
20

7:01 -1 m. 11°

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

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

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***337 - 28**

08:25 - 15:38

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

7:13 -2 m. 11°

338 - 27

08:26 - 15:38

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

7:11 -1 m. 11°

339 - 26

08:28 - 15:37

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

7:09 -1 m. 11°

340 - 25

08:29 - 15:36

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

7:07 -1 m. 11°

33 - 332

08:07 - 16:45

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

8:38 +4 m. 17°

34 - 331

08:05 - 16:47

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

8:42 +4 m. 17°

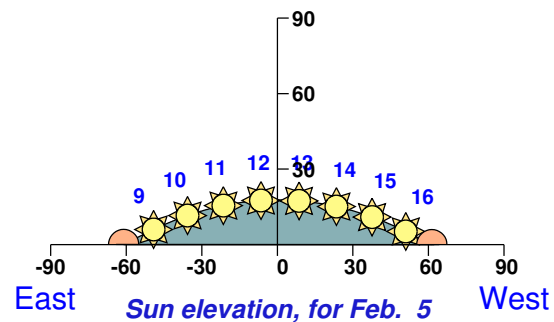
35 - 330

08:03 - 16:50

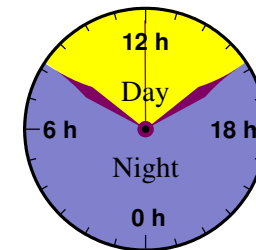
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____
19	_____
20	_____

8:46 +4 m. 17°

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

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

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***36 - 329**

08:01 - 16:52

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

8:51 +4 m. 18°

37 - 328

07:59 - 16:54

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

8:55 +4 m. 18°

38 - 327

07:57 - 16:56

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

8:59 +4 m. 18°

39 - 326

07:55 - 16:59

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

9:04 +4 m. 19°

334 - 31

08:20 - 15:41

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

7:21 -2 m. 12°

335 - 30

08:21 - 15:40

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

7:18 -2 m. 12°

336 - 29

08:23 - 15:39

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

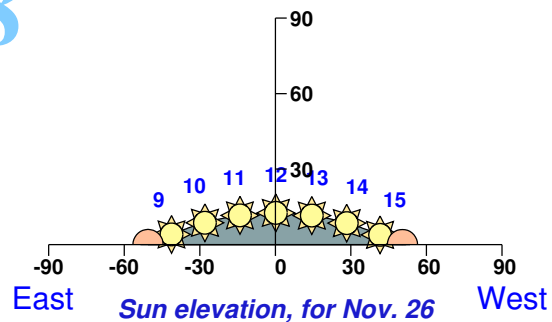
18 —

19 —

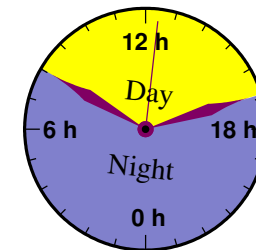
20 —

7:16 -2 m. 12°

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

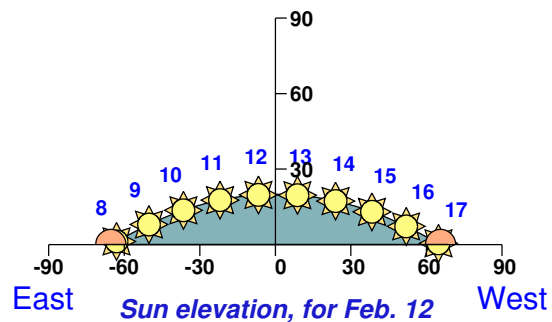
Week **48****February 2018****Dundee**

-2.97°E, 56.46°N

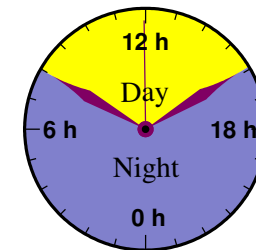
*Duration of the day, for Feb. 5*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 29**
Friday 9 **Saturday 10** **Sunday 11**
Sunrise and Sunset at Dundee (TL ± 1 mn)

330 - 35 08:13 - 15:46				40 - 325 07:52 - 17:01		
331 - 34 08:14 - 15:44				41 - 324 07:50 - 17:03		
332 - 33 08:16 - 15:43				42 - 323 07:48 - 17:05		
333 - 32 08:18 - 15:42						
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
7:33 -2 m. 13°	7:30 -2 m. 12°	7:27 -2 m. 12°	7:24 -2 m. 12°	9:08 +4 m. 19°	9:12 +4 m. 19°	9:17 +5 m. 20°

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

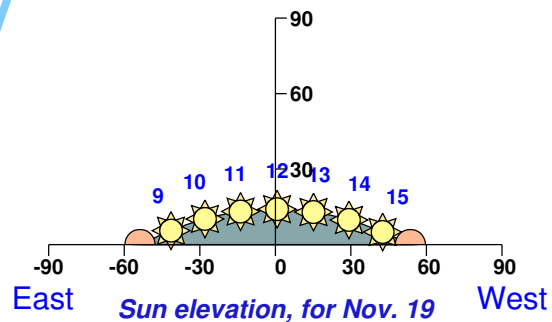
Week **7****November 2018****Dundee**

-2.97°E, 56.46°N

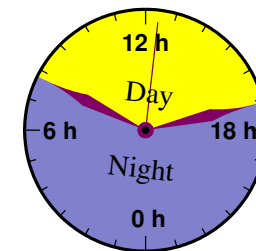
*Duration of the day, for Nov. 19*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Dundee (TL ± 1 mn)

43 - 322 07:46 - 17:08	44 - 321 07:43 - 17:10	45 - 320 07:41 - 17:12	46 - 319 07:39 - 17:14	327 - 38 08:07 - 15:50	328 - 37 08:09 - 15:48	329 - 36 08:11 - 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
9:21 <i>+4 m.</i> 20°	9:26 <i>+5 m.</i> 20°	9:31 <i>+4 m.</i> 21°	9:35 <i>+4 m.</i> 21°	7:42 <i>-2 m.</i> 13°	7:39 <i>-3 m.</i> 13°	7:36 <i>-2 m.</i> 13°

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

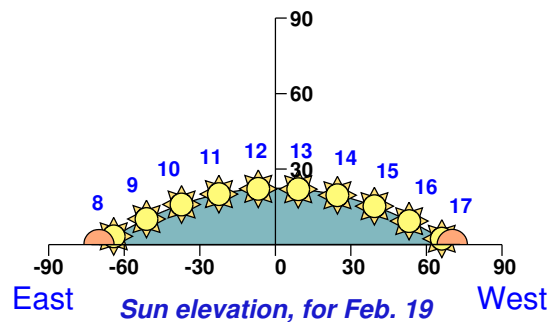
Week **47****February 2018****Dundee**

-2.97°E, 56.46°N

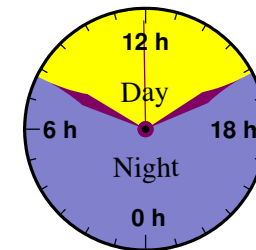
*Duration of the day, for Feb. 12***Monday 19** **Tuesday 20** **Wednesday 21** **Thursday 22****Friday 16** **Saturday 17** **Sunday 18***Sunrise and Sunset at Dundee (TL ± 1 mn)*

323 - 42 07:59 - 15:55				47 - 318 07:37 - 17:17		
324 - 41 08:01 - 15:54				48 - 317 07:34 - 17:19		
325 - 40 08:03 - 15:52				49 - 316 07:32 - 17:21		
326 - 39 08:05 - 15:51						
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
7:56	-3 m.	14°		9:40	+4 m.	21°
7:53	-3 m.	14°		9:44	+5 m.	22°
7:49	-3 m.	14°		9:49	+4 m.	22°
7:46	-3 m.	13°				

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

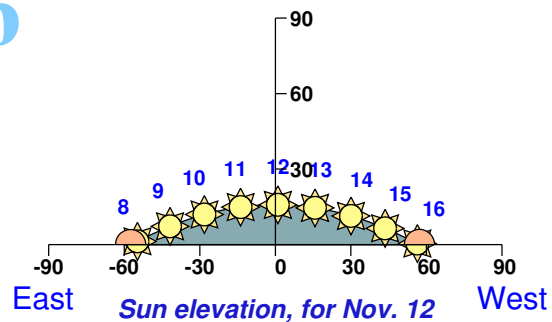
Week **8****November 2018****Dundee**

-2.97°E, 56.46°N

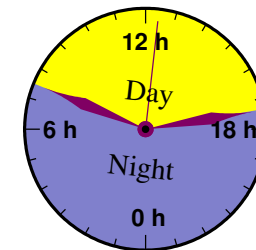
*Duration of the day, for Nov. 12*
Monday 19 **Tuesday 20** **Wednesday 21** **Thursday 22**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Dundee (TL ± 1 mn)

50 - 315 07:29 - 17:23				320 - 45 07:53 - 16:00		
51 - 314 07:27 - 17:26				321 - 44 07:55 - 15:59		
52 - 313 07:25 - 17:28				322 - 43 07:57 - 15:57		
53 - 312 07:22 - 17:30						
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
9:53 <i>+4 m.</i> 22°	9:58 <i>+5 m.</i> 23°	10:03 <i>+4 m.</i> 23°	10:08 <i>+5 m.</i> 23°	8:07 <i>-3 m.</i> 15°	8:04 <i>-3 m.</i> 15°	8:00 <i>-3 m.</i> 14°

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

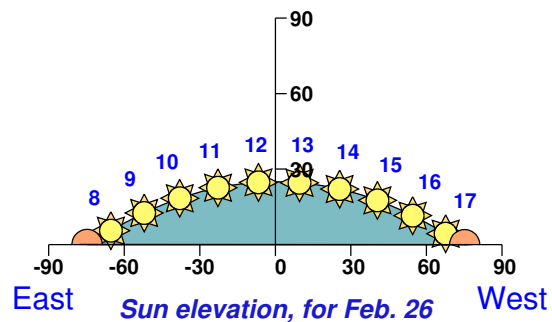
Week **46****February 2018****Dundee**

-2.97°E, 56.46°N

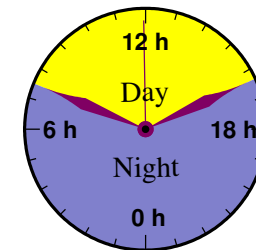
*Duration of the day, for Feb. 19*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Dundee (TL ± 1 mn)

316 - 49 07:44 - 16:08				54 - 311 07:20 - 17:32		
317 - 48 07:46 - 16:06				55 - 310 07:17 - 17:34		
318 - 47 07:48 - 16:04				56 - 309 07:15 - 17:37		
319 - 46 07:51 - 16:02						
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
8:23 -3 m. 16°	8:19 -3 m. 16°	8:15 -3 m. 15°	8:11 -3 m. 15°	10:13 +4 m. 24°	10:17 +4 m. 24°	10:22 +5 m. 25°

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

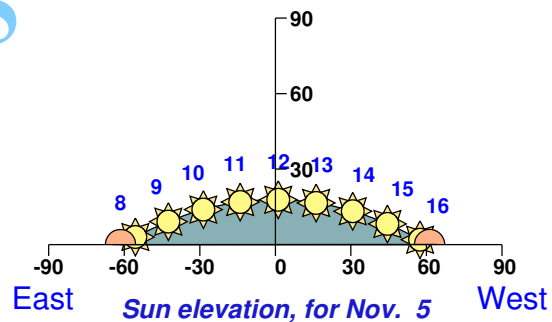
Week **9****November 2018****Dundee**

-2.97°E, 56.46°N

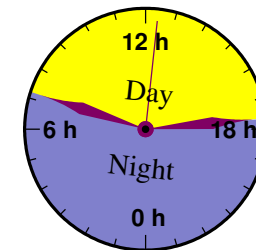
*Duration of the day, for Nov. 5*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 1**
Friday 9 **Saturday 10** **Sunday 11**
Sunrise and Sunset at Dundee (TL ± 1 mn)

57 - 308 07:12 - 17:39				313 - 52 07:38 - 16:13		
58 - 307 07:10 - 17:41				314 - 51 07:40 - 16:11		
59 - 306 07:07 - 17:43				315 - 50 07:42 - 16:09		
60 - 305 07:05 - 17:45						
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
10:27	+5 m.	25°		8:35	-3 m.	17°
10:31	+4 m.	25°		8:31	-3 m.	16°
10:36	+5 m.	26°		8:27	-3 m.	16°
10:41	+5 m.	26°				

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

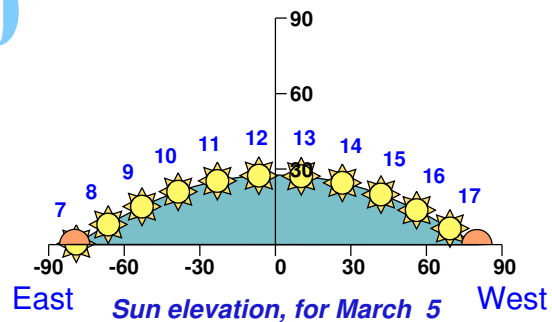
Week **45****Feb. - March 2018****Dundee**

-2.97°E, 56.46°N

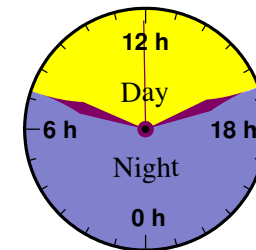
*Duration of the day, for Feb. 26***Monday 5****Tuesday 6****Wednesday 7****Thursday 8****Friday 2****Saturday 3****Sunday 4***Sunrise and Sunset at Dundee (TL ± 1 mn)*

309 - 56 07:29 - 16:21				61 - 304 07:02 - 17:47		
310 - 55 07:31 - 16:19				62 - 303 06:59 - 17:50		
311 - 54 07:33 - 16:17				63 - 302 06:57 - 17:52		
312 - 53 07:36 - 16:15						
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
8:52	-3 m.	18°		10:46	+4 m.	26°
8:48	-3 m.	18°		10:50	+4 m.	27°
8:43	-3 m.	17°		10:55	+5 m.	27°
8:39	-3 m.	17°				

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

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

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***64 - 301**

06:54 - 17:54

65 - 300

06:52 - 17:56

66 - 299

06:49 - 17:58

67 - 298

06:46 - 18:00

306 - 59

07:23 - 16:28

307 - 58

07:25 - 16:26

308 - 57

07:27 - 16:24

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

11:00 +5 m. 28°

11:05 +4 m. 28°

11:09 +4 m. 28°

11:14 +5 m. 29°

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

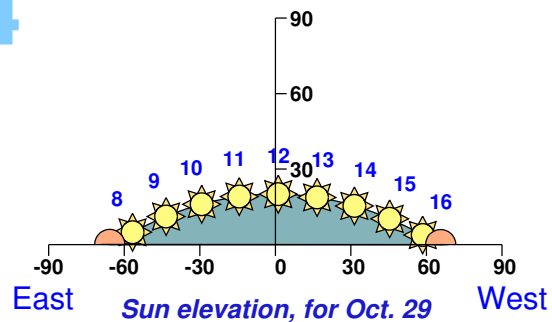
9:05 -3 m. 19°

9:01 -3 m. 18°

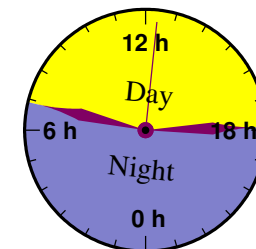
8:56 -3 m. 18°

8:56 -3 m. 18°

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

Week **44****March 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***302 - 63**

07:14 - 16:37

303 - 62

07:16 - 16:35

304 - 61

07:18 - 16:32

305 - 60

07:20 - 16:30

68 - 297

06:44 - 18:02

69 - 296

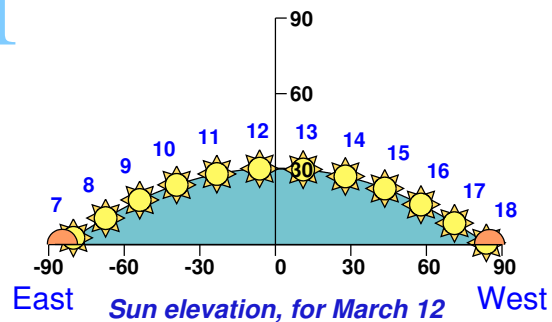
06:41 - 18:05

70 - 295

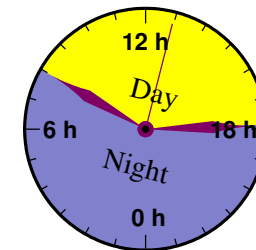
06:39 - 18:07

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
9:23	9:18	9:14	9:09	11:19	11:24	11:28
-3 m.	-4 m.	-4 m.	-4 m.	+5 m.	+4 m.	+4 m.
20°	20°	19°	19°	29°	30°	30°

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

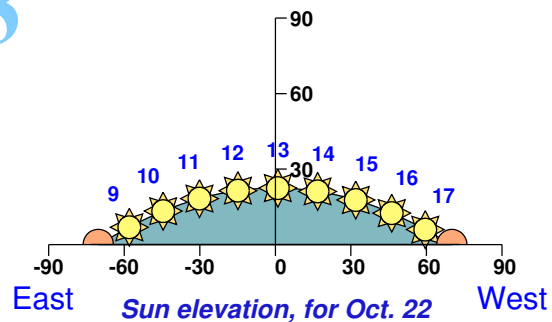
Week **11****October 2018****Dundee**

-2.97°E, 56.46°N

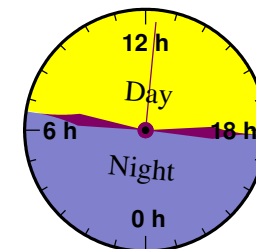
*Duration of the day, for Oct. 22*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 26 **Saturday 27** **Sunday 28**
Sunrise and Sunset at Dundee (TL ± 1 mn)

71 - 294 06:36 - 18:09				299 - 66 08:07 - 17:44		
72 - 293 06:33 - 18:11				300 - 65 08:09 - 17:41		
73 - 292 06:31 - 18:13				301 - 64 07:12 - 16:39		
				<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
11:33 +5 m. 30°	11:38 +5 m. 31°	11:43 +4 m. 31°	11:47 +4 m. 32°	9:36 -4 m. 21°	9:32 -4 m. 21°	9:27 -4 m. 20°

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

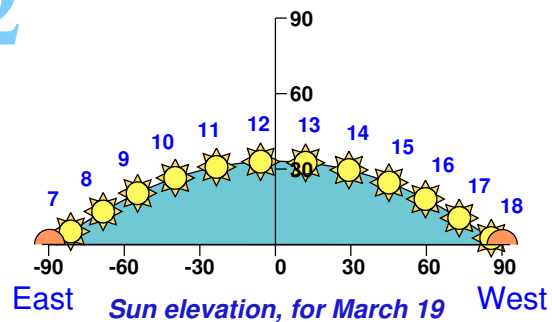
Week **43****March 2018****Dundee**

-2.97°E, 56.46°N

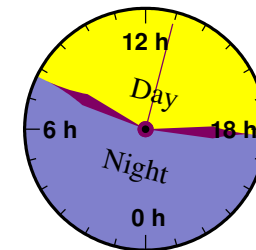
*Duration of the day, for March 12*
Monday 22 **Tuesday 23** **Wednesday 24** **Thursday 25**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Dundee (TL ± 1 mn)

295 - 70 07:59 - 17:53				75 - 290 06:25 - 18:17		
296 - 69 08:01 - 17:51				76 - 289 06:23 - 18:19		
297 - 68 08:03 - 17:49				77 - 288 06:20 - 18:22		
298 - 67 08:05 - 17:46						
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
9:54 <i>-4 m.</i> 22°	9:50 <i>-4 m.</i> 22°	9:45 <i>-4 m.</i> 22°	9:41 <i>-4 m.</i> 21°	11:52 <i>+5 m.</i> 32°	11:57 <i>+5 m.</i> 32°	12:02 <i>+5 m.</i> 33°

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

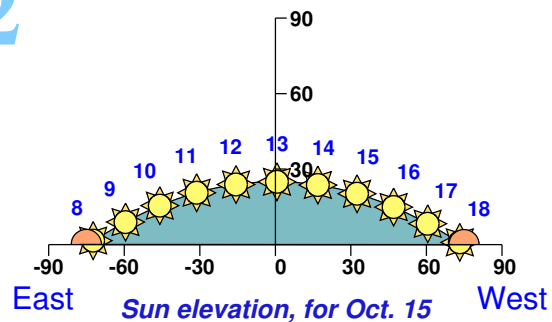
Week **12****October 2018****Dundee**

-2.97°E, 56.46°N

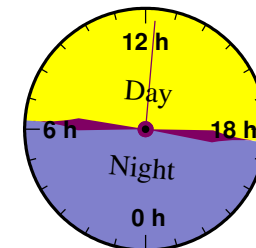
*Duration of the day, for Oct. 15*
Monday 19 **Tuesday 20** **Wednesday 21** **Thursday 22**
Friday 19 **Saturday 20** **Sunday 21**
Sunrise and Sunset at Dundee (TL ± 1 mn)

78 - 287 06:17 - 18:24				292 - 73 07:52 - 18:01		
79 - 286 06:15 - 18:26				293 - 72 07:54 - 17:58		
80 - 285 06:12 - 18:28				294 - 71 07:57 - 17:56		
81 - 284 06:09 - 18:30						
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 +5 m. 33°	12:11 +5 m. 34°	12:16 +5 m. 34°	12:21 +5 m. 34°	10:09 -4 m. 24°	10:04 -4 m. 23°	9:59 -4 m. 23°

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

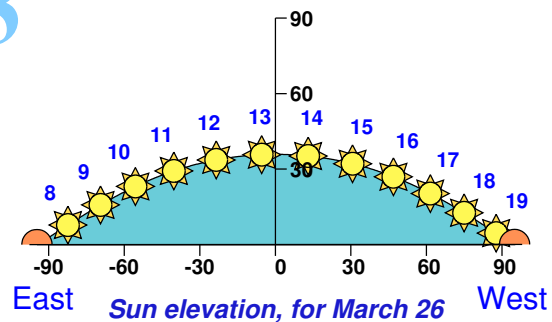
Week **42****March 2018****Dundee**

-2.97°E, 56.46°N

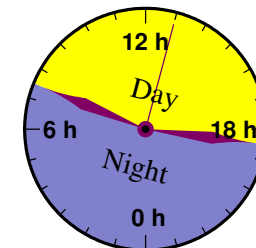
*Duration of the day, for March 19*
Monday 15 **Tuesday 16** **Wednesday 17** **Thursday 18**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Dundee (TL ± 1 mn)

288 - 77 07:44 - 18:11				82 - 283 06:07 - 18:32		
289 - 76 07:46 - 18:08				83 - 282 06:04 - 18:34		
290 - 75 07:48 - 18:06				84 - 281 07:01 - 19:36		
				<i>Time change March 25</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
10:27 -4 m. 25°	10:22 -4 m. 25°	10:18 -3 m. 24°	10:13 -4 m. 24°	12:25 +4 m. 35°	12:30 +5 m. 35°	12:35 +5 m. 35°

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

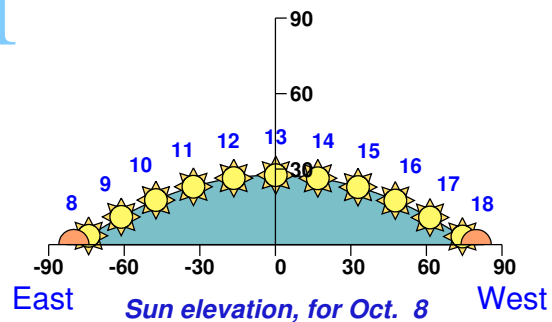
Week **13****October 2018****Dundee**

-2.97°E, 56.46°N

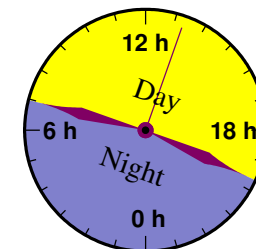
*Duration of the day, for Oct. 8*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 29**
Friday 12 **Saturday 13** **Sunday 14**
Sunrise and Sunset at Dundee (TL ± 1 mn)

85 - 280 06:58 - 19:38				285 - 80 07:38 - 18:18		
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
12:40 +5 m. 36°	12:45 +4 m. 36°	12:49 +4 m. 37°	12:54 +5 m. 37°	10:41 -4 m. 26°	10:36 -4 m. 26°	10:32 -4 m. 25°

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

Week **41****March - April 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***281 - 84**

07:29 - 18:29

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

11:00 -4 m. 28°

282 - 83

07:31 - 18:26

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

10:55 -4 m. 27°

283 - 82

07:33 - 18:24

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

10:50 -4 m. 27°

284 - 81

07:36 - 18:21

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

10:46 -4 m. 26°

89 - 276

06:48 - 19:47

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

12:59 +5 m. 37°

90 - 275

06:45 - 19:49

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

13:04 +4 m. 38°

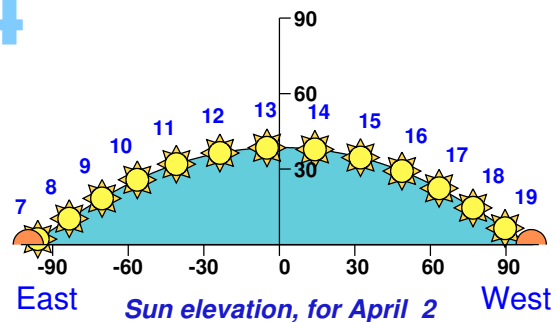
91 - 274

06:42 - 19:51

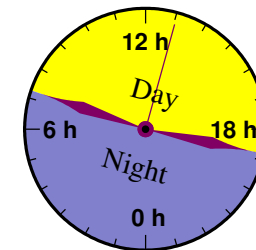
8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

13:08 +4 m. 38°

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

Week **14****October 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)

92 - 273

06:40 - 19:53

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

13:13 +5 m. 39°

93 - 272

06:37 - 19:55

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

13:18 +5 m. 39°

94 - 271

06:34 - 19:57

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

13:23 +4 m. 39°

95 - 270

06:32 - 19:59

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

13:27 +4 m. 40°

278 - 87

07:23 - 18:37

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

11:14 -3 m. 29°

279 - 86

07:25 - 18:34

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

11:09 -4 m. 28°

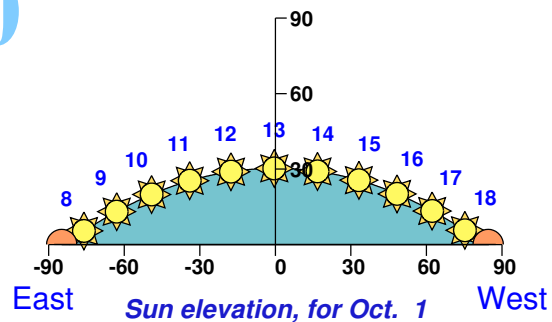
280 - 85

07:27 - 18:31

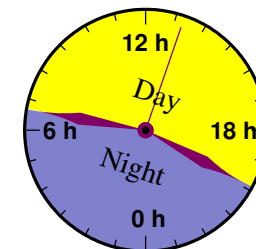
8
9
10
11
12
13
14
15
16
17
18
19
20

11:04 -4 m. 28°

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

Week **40****April 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***274 - 91**

07:15 - 18:47

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

11:32 -4 m. 30°

275 - 90

07:17 - 18:45

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

11:28 -4 m. 30°

276 - 89

07:19 - 18:42

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

11:23 -4 m. 30°

277 - 88

07:21 - 18:39

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

11:18 -4 m. 29°

96 - 269

06:29 - 20:01

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

13:32 +5 m. 40°

97 - 268

06:27 - 20:03

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

13:37 +5 m. 40°

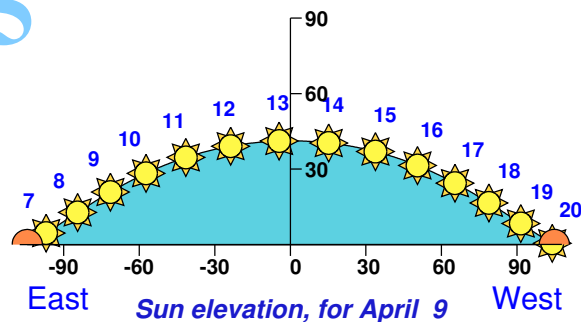
98 - 267

06:24 - 20:05

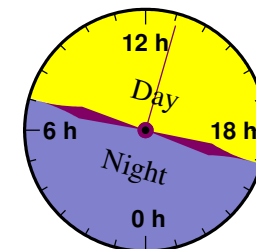
8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
16 —
17 —
18 —
19 —
20 —

13:41 +4 m. 41°

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

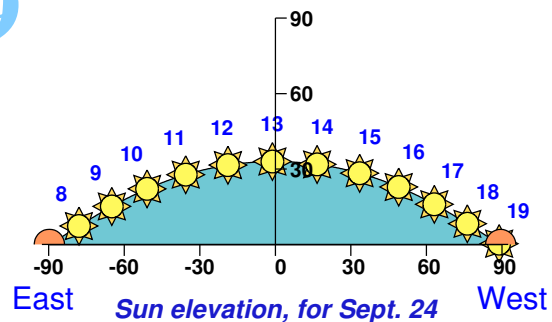
Week **15****September 2018****Dundee**

-2.97°E, 56.46°N

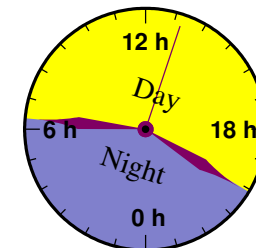
*Duration of the day, for Sept. 24*
Monday 9 **Tuesday 10** **Wednesday 11** **Thursday 12**
Friday 28 **Saturday 29** **Sunday 30**
Sunrise and Sunset at Dundee (TL ± 1 mn)

99 - 266 06:21 - 20:07				271 - 94 07:09 - 18:55		
100 - 265 06:19 - 20:09				272 - 93 07:11 - 18:53		
101 - 264 06:16 - 20:12				273 - 92 07:13 - 18:50		
102 - 263 06:13 - 20:14						
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
13:46	+5 m.	41°		11:46	-4 m.	31°
13:51	+5 m.	42°		11:42	-3 m.	31°
13:56	+4 m.	42°		11:37	-4 m.	31°
14:00	+4 m.	42°				

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

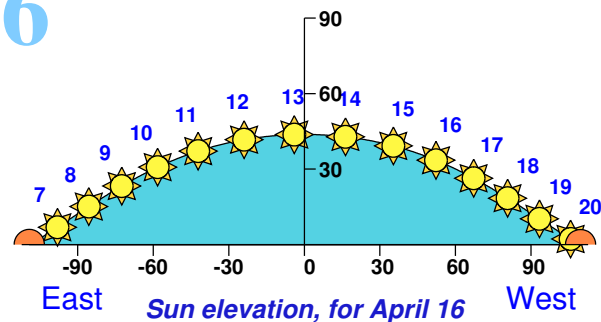
Week **39****April 2018****Dundee**

-2.97°E, 56.46°N

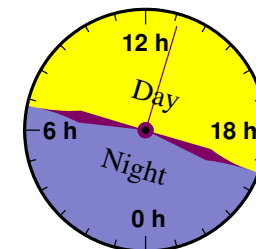
*Duration of the day, for April 9*
Monday 24 **Tuesday 25** **Wednesday 26** **Thursday 27**
Friday 13 **Saturday 14** **Sunday 15**
Sunrise and Sunset at Dundee (TL ± 1 mn)

267 - 98 07:01 - 19:06				103 - 262 06:11 - 20:16		
268 - 97 07:03 - 19:03				104 - 261 06:08 - 20:18		
269 - 96 07:05 - 19:01				105 - 260 06:06 - 20:20		
270 - 95 07:07 - 18:58						
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
12:05 <i>-4 m.</i> 33°	12:01 <i>-4 m.</i> 33°	11:56 <i>-4 m.</i> 32°	11:51 <i>-4 m.</i> 32°	14:05 <i>+5 m.</i> 43°	14:10 <i>+4 m.</i> 43°	14:14 <i>+4 m.</i> 43°

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

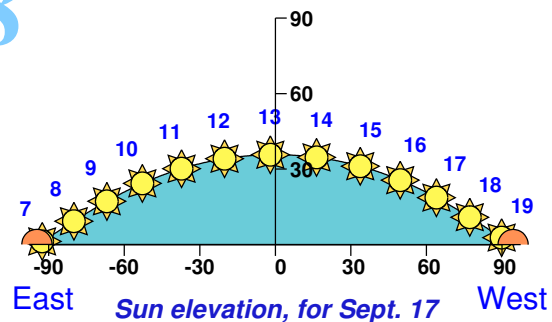
Week **16****September 2018****Dundee**

-2.97°E, 56.46°N

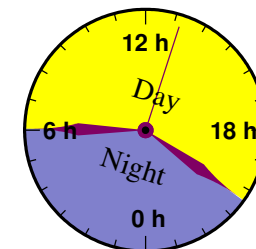
*Duration of the day, for Sept. 17*
Monday 16 **Tuesday 17** **Wednesday 18** **Thursday 19**
Friday 21 **Saturday 22** **Sunday 23**
Sunrise and Sunset at Dundee (TL ± 1 mn)

106 - 259 06:03 - 20:22				264 - 101 06:55 - 19:14		
107 - 258 06:01 - 20:24				265 - 100 06:57 - 19:11		
108 - 257 05:58 - 20:26				266 - 99 06:59 - 19:09		
109 - 256 05:56 - 20:28						
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
14:19 <i>+4 m.</i> 44°	14:24 <i>+4 m.</i> 44°	14:28 <i>+4 m.</i> 44°	14:33 <i>+5 m.</i> 45°	12:19 <i>-4 m.</i> 34°	12:15 <i>-4 m.</i> 34°	12:10 <i>-4 m.</i> 33°

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

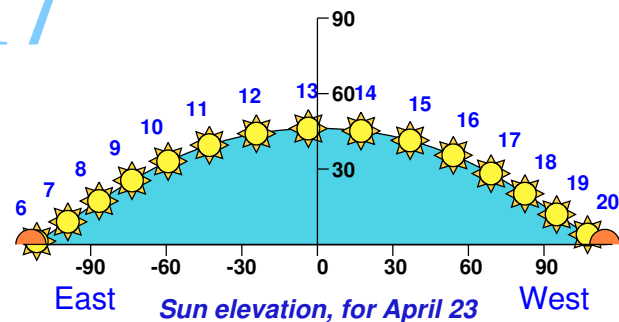
Week **38****April 2018****Dundee**

-2.97°E, 56.46°N

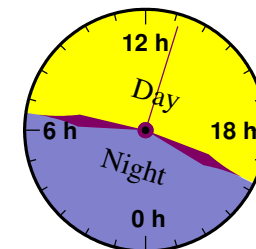
*Duration of the day, for April 16*
Monday 17 **Tuesday 18** **Wednesday 19** **Thursday 20**
Friday 20 **Saturday 21** **Sunday 22**
Sunrise and Sunset at Dundee (TL ± 1 mn)

260 - 105 06:47 - 19:25				110 - 255 05:53 - 20:30		
261 - 104 06:49 - 19:22				111 - 254 05:51 - 20:32		
262 - 103 06:51 - 19:20				112 - 253 05:48 - 20:34		
263 - 102 06:53 - 19:17						
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
12:38 <i>-4 m.</i> 36°	12:33 <i>-4 m.</i> 35°	12:29 <i>-3 m.</i> 35°	12:24 <i>-4 m.</i> 35°	14:37 <i>+4 m.</i> 45°	14:42 <i>+5 m.</i> 45°	14:46 <i>+4 m.</i> 46°

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

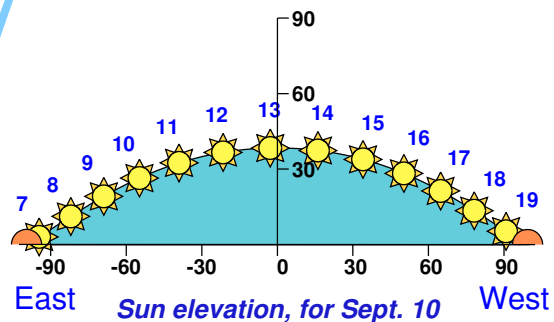
Week **17****September 2018****Dundee**

-2.97°E, 56.46°N

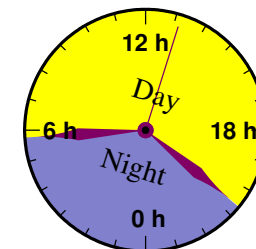
*Duration of the day, for Sept. 10*
Monday 23 **Tuesday 24** **Wednesday 25** **Thursday 26**
Friday 14 **Saturday 15** **Sunday 16**
Sunrise and Sunset at Dundee (TL ± 1 mn)

113 - 252 05:46 - 20:37				257 - 108 06:41 - 19:33		
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
14:51 +5 m. 46°	14:55 +4 m. 46°	15:00 +5 m. 47°	15:04 +4 m. 47°	12:52 -4 m. 37°	12:48 -4 m. 36°	12:43 -4 m. 36°

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

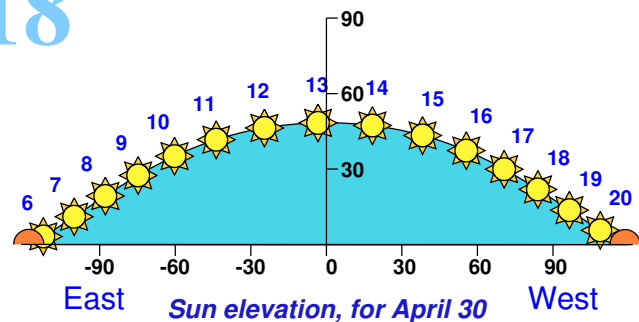
Week **37****April 2018****Dundee**

-2.97°E, 56.46°N

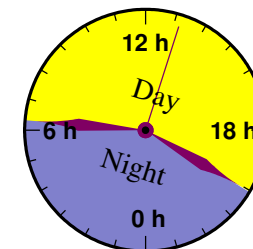
*Duration of the day, for April 23*
Monday 10 **Tuesday 11** **Wednesday 12** **Thursday 13**
Friday 27 **Saturday 28** **Sunday 29**
Sunrise and Sunset at Dundee (TL ± 1 mn)

253 - 112 06:33 - 19:44				117 - 248 05:36 - 20:45		
254 - 111 06:35 - 19:41				118 - 247 05:34 - 20:47		
255 - 110 06:37 - 19:38				119 - 246 05:31 - 20:49		
256 - 109 06:39 - 19:36						
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
13:11 -4 m. 38°	13:06 -4 m. 38°	13:02 -4 m. 38°	12:57 -4 m. 37°	15:09 +5 m. 47°	15:13 +4 m. 48°	15:18 +5 m. 48°

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

Week **18****September 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***120 - 245**

05:29 - 20:51

121 - 244

05:27 - 20:53

122 - 243

05:24 - 20:55

123 - 242

05:22 - 20:57

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

15:22 +4 m. 48°

15:27 +4 m. 49°

15:31 +4 m. 49°

15:35 +4 m. 49°

250 - 115

06:27 - 19:52

251 - 114

06:29 - 19:49

252 - 113

06:31 - 19:46

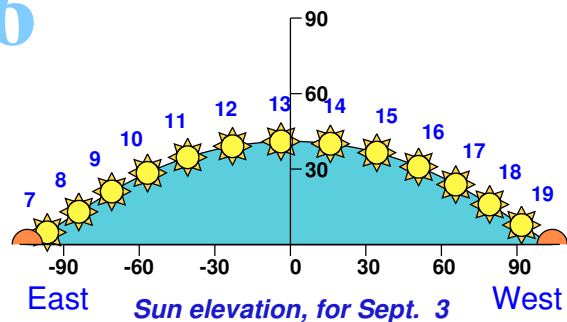
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

13:25 -3 m. 40°

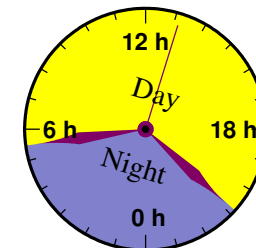
13:20 -4 m. 39°

13:15 -4 m. 39°

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

Week **36****April - May 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***246 - 119**

06:19 - 20:02

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

13:43 -4 m. 41°

247 - 118

06:21 - 20:00

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

13:39 -3 m. 41°

248 - 117

06:23 - 19:57

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

13:34 -4 m. 40°

249 - 116

06:25 - 19:54

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

13:29 -4 m. 40°

124 - 241

05:20 - 20:59

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

15:40 +4 m. 50°

125 - 240

05:18 - 21:01

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

15:44 +4 m. 50°

126 - 239

05:15 - 21:03

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

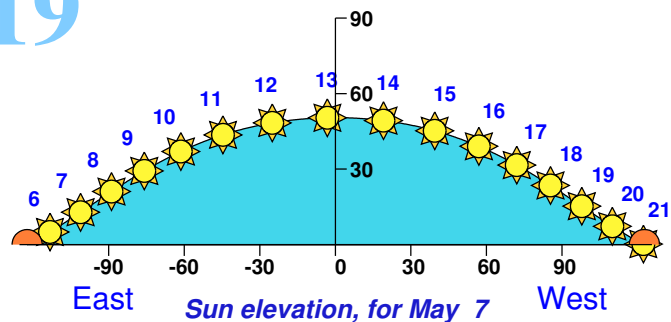
18 —

19 —

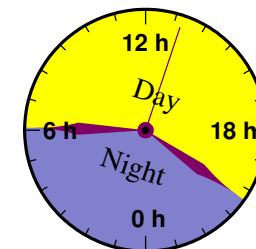
20 —

15:48 +4 m. 50°

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

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

-2.97°E, 56.46°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 Dundee (TL $\pm$ 1 mn)**127 - 238**

05:13 - 21:05

128 - 237

05:11 - 21:07

129 - 236

05:09 - 21:09

130 - 235

05:07 - 21:11

243 - 122

06:13 - 20:10

244 - 121

06:15 - 20:08

245 - 120

06:17 - 20:05

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

15:52 +4 m. 50°

15:56 +4 m. 51°

16:01 +4 m. 51°

16:05 +3 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

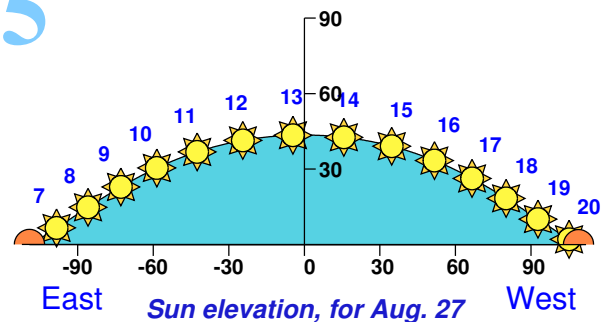
13:57 -4 m. 42°

13:53 -3 m. 42°

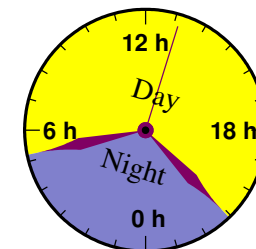
13:48 -4 m. 41°

13:48 -4 m. 41°

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

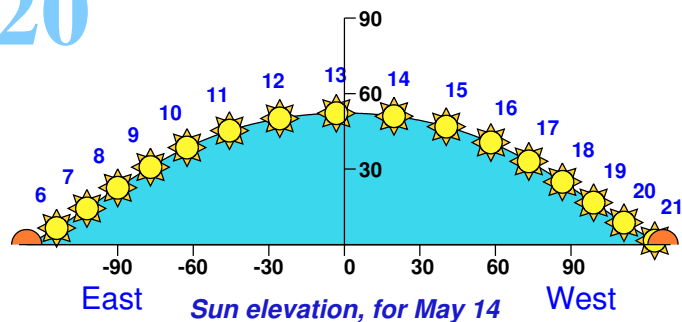
Week **35****May 2018****Dundee**

-2.97°E, 56.46°N

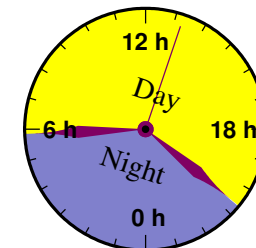
*Duration of the day, for May 7*
Monday 27 **Tuesday 28** **Wednesday 29** **Thursday 30**
Friday 11 **Saturday 12** **Sunday 13**
Sunrise and Sunset at Dundee (TL ± 1 mn)

239 - 126 06:05 - 20:21				131 - 234 05:05 - 21:13		
240 - 125 06:07 - 20:18				132 - 233 05:03 - 21:15		
241 - 124 06:09 - 20:16				133 - 232 05:01 - 21:17		
242 - 123 06:11 - 20:13						
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
14:16 -4 m. 44°	14:11 -4 m. 43°	14:07 -4 m. 43°	14:02 -4 m. 42°	16:09 +4 m. 51°	16:13 +4 m. 52°	16:17 +3 m. 52°

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

Week **20****August 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)**134 - 231*

04:59 - 21:19

8
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19
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16:20 *+4 m.* 52°*135 - 230*

04:57 - 21:21

8
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19
20

16:24 *+4 m.* 52°*136 - 229*

04:55 - 21:23

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16:28 *+4 m.* 53°*137 - 228*

04:53 - 21:25

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19
20

16:32 *+4 m.* 53°*236 - 129*

05:59 - 20:28

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18
19
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14:29 *-4 m.* 45°*237 - 128*

06:01 - 20:26

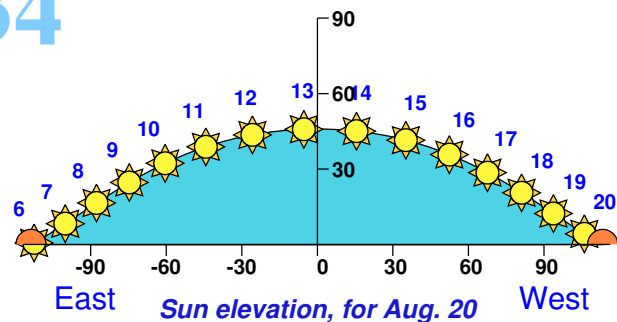
8
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17
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19
20

14:25 *-3 m.* 44°*238 - 127*

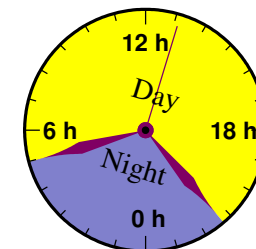
06:03 - 20:23

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14:20 *-4 m.* 44°*Duration of the day - Variation - Sun maximal elevation (°)*

Week **34****May 2018****Dundee**

-2.97°E, 56.46°N



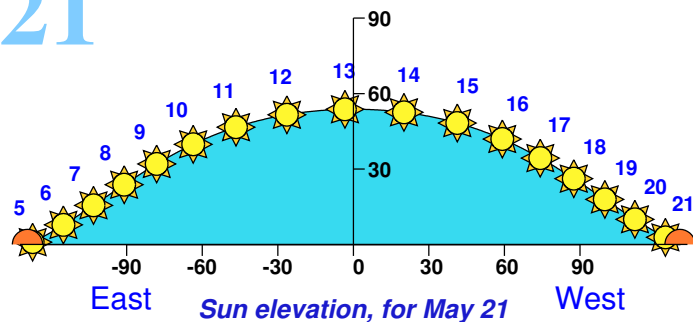
Duration of the day, for May 14

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

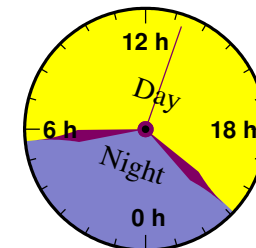
Sunrise and Sunset at Dundee (TL ± 1 mn)

232 - 133 05:51 - 20:38				138 - 227 04:51 - 21:27		
233 - 132 05:53 - 20:36				139 - 226 04:50 - 21:29		
234 - 131 05:55 - 20:33				140 - 225 04:48 - 21:30		
235 - 130 05:57 - 20:31						
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
14:47 -4 m. 46°	14:43 -3 m. 46°	14:38 -4 m. 45°	14:34 -3 m. 45°	16:35 +3 m. 53°	16:39 +4 m. 53°	16:43 +3 m. 54°

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

Week **21****August 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)**141 - 224*

04:46 - 21:32

142 - 223

04:45 - 21:34

143 - 222

04:43 - 21:36

144 - 221

04:42 - 21:37

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

16:46 *+3 m.* 54°16:49 *+3 m.* 54°16:53 *+4 m.* 54°16:56 *+3 m.* 54°*229 - 136*

05:45 - 20:46

230 - 135

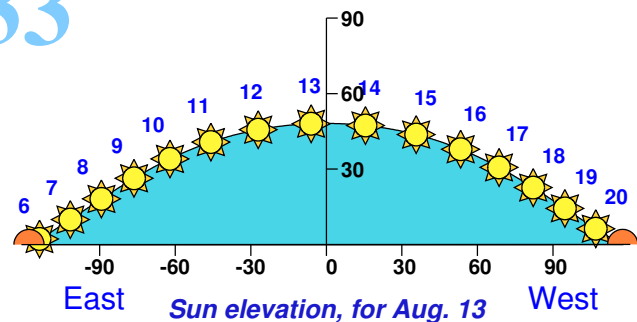
05:47 - 20:43

231 - 134

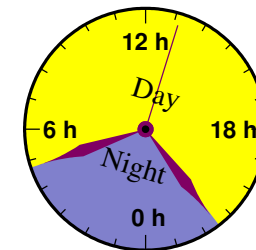
05:49 - 20:41

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

15:01 *-3 m.* 47°14:56 *-4 m.* 47°14:52 *-3 m.* 46°*Duration of the day - Variation - Sun maximal elevation (°)*

Week **33****May 2018****Dundee**

-2.97°E, 56.46°N



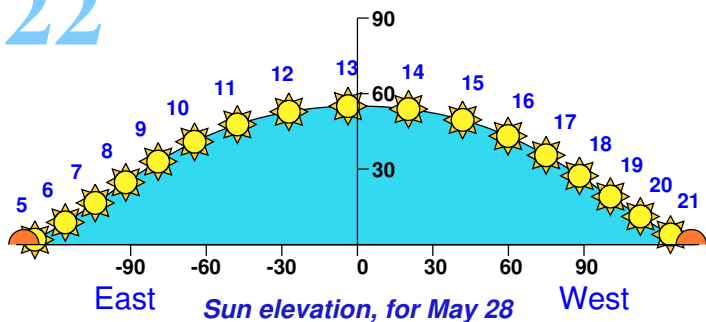
Duration of the day, for May 21

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

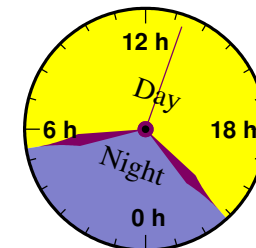
Sunrise and Sunset at Dundee (TL ± 1 mn)

225 - 140 05:37 - 20:55				145 - 220 04:40 - 21:39		
226 - 139 05:39 - 20:53				146 - 219 04:39 - 21:41		
227 - 138 05:41 - 20:51				147 - 218 04:37 - 21:42		
228 - 137 05:43 - 20:48						
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
15:18 -3 m. 48°	15:14 -3 m. 48°	15:10 -3 m. 48°	15:05 -4 m. 47°	16:59 +3 m. 55°	17:02 +3 m. 55°	17:05 +3 m. 55°

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

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

-2.97°E, 56.46°N



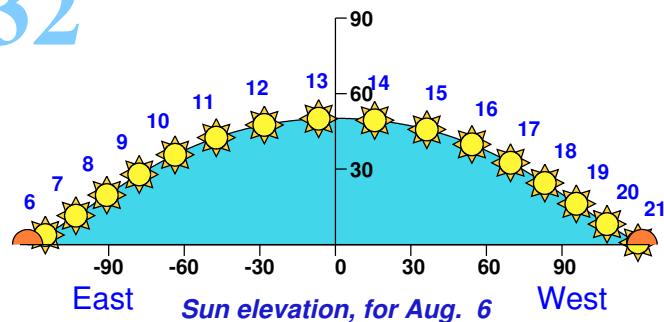
Duration of the day, for Aug. 6

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

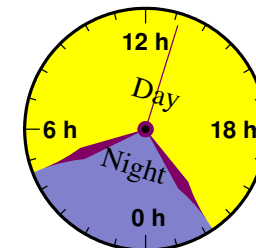
Sunrise and Sunset at Dundee (TL ± 1 mn)

148 - 217 04:36 - 21:44				222 - 143 05:31 - 21:02		
149 - 216 04:35 - 21:45				223 - 142 05:33 - 21:00		
150 - 215 04:33 - 21:47				224 - 141 05:35 - 20:58		
151 - 214 04:32 - 21:48						
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
17:08 +3 m. 55°	17:11 +3 m. 55°	17:14 +3 m. 55°	17:16 +2 m. 55°	15:31 -4 m. 49°	15:27 -3 m. 49°	15:23 -3 m. 48°

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

Week **32****May - June 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)**218 - 147**

05:23 - 21:11

8
9
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13
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16
17
18
19
20

15:48 -3 m. 50°

219 - 146

05:25 - 21:09

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

15:44 -3 m. 50°

220 - 145

05:27 - 21:07

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

15:40 -3 m. 50°

221 - 144

05:29 - 21:05

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

15:36 -3 m. 49°

152 - 213

04:31 - 21:50

8
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11
12
13
14
15
16
17
18
19
20

17:19 +3 m. 56°

153 - 212

04:30 - 21:51

8
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18
19
20

17:21 +2 m. 56°

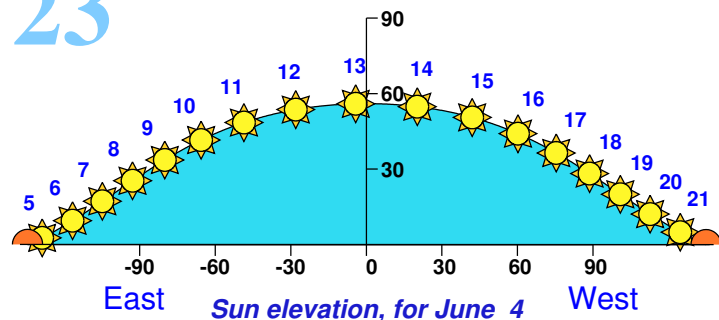
154 - 211

04:29 - 21:52

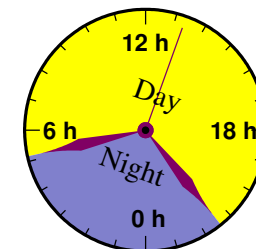
8
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17:24 +2 m. 56°

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

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

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***155 - 210**

04:28 - 21:54

8
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15
16
17
18
19
20

17:26 +2 m. 56°

156 - 209

04:27 - 21:55

8
9
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12
13
14
15
16
17
18
19
20

17:28 +2 m. 56°

157 - 208

04:26 - 21:56

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

17:30 +2 m. 56°

158 - 207

04:25 - 21:57

8
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19
20

17:32 +2 m. 56°

215 - 150

05:17 - 21:18

8
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16
17
18
19
20

16:01 -3 m. 51°

216 - 149

05:19 - 21:16

8
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20

15:57 -4 m. 51°

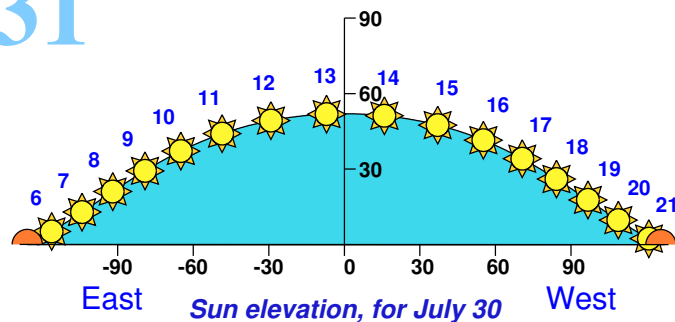
217 - 148

05:21 - 21:14

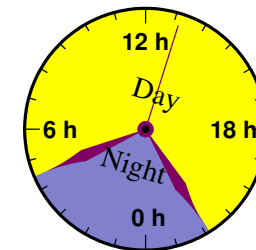
8
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15:53 -4 m. 50°

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

Week **31****June 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)

211 - 154

05:10 - 21:26

8
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14
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17
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19
20

16:17 -3 m. 52°

212 - 153

05:11 - 21:24

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

16:13 -3 m. 52°

213 - 152

05:13 - 21:22

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

16:09 -3 m. 52°

214 - 151

05:15 - 21:20

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

16:05 -3 m. 51°

159 - 206

04:25 - 21:58

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

17:33 +1 m. 56°

160 - 205

04:24 - 21:59

8
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15
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17
18
19
20

17:35 +2 m. 57°

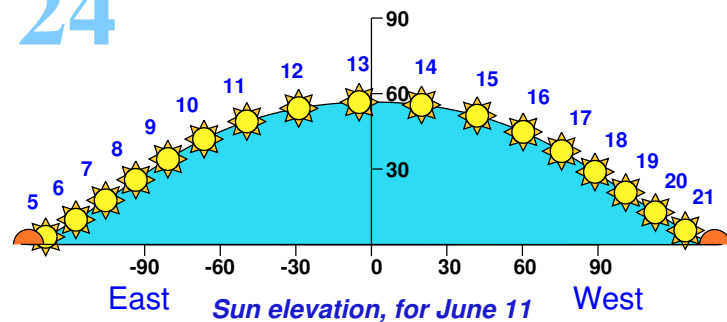
161 - 204

04:23 - 22:00

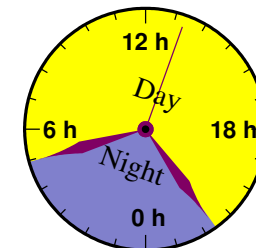
8
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16
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19
20

17:37 +2 m. 57°

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

Week **24****July 2018****Dundee**

-2.97°E, 56.46°N



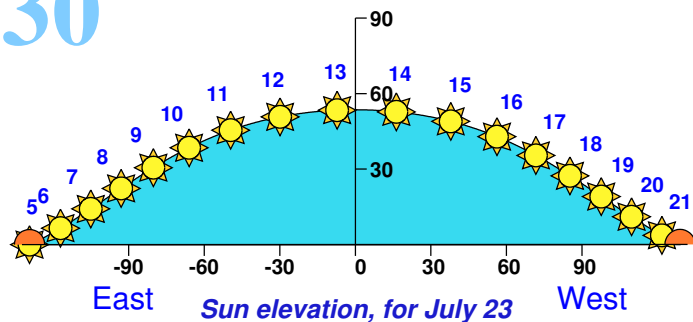
Duration of the day, for July 23

Monday 11 **Tuesday 12** **Wednesday 13** **Thursday 14**
Friday 27 **Saturday 28** **Sunday 29**

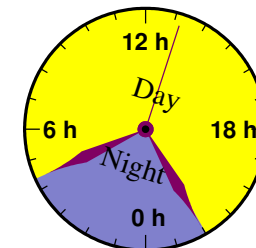
Sunrise and Sunset at Dundee (TL ± 1 mn)

162 - 203 04:23 - 22:01				163 - 202 04:23 - 22:02			164 - 201 04:22 - 22:02			165 - 200 04:22 - 22:03			208 - 157 05:04 - 21:32			209 - 156 05:06 - 21:30			210 - 155 05:08 - 21:28		
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		
17:38	+1 m.	57°		17:39	+1 m.	57°	17:40	+1 m.	57°	17:41	+1 m.	57°	16:28	-3 m.	53°	16:24	-3 m.	52°	16:20	-3 m.	52°

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

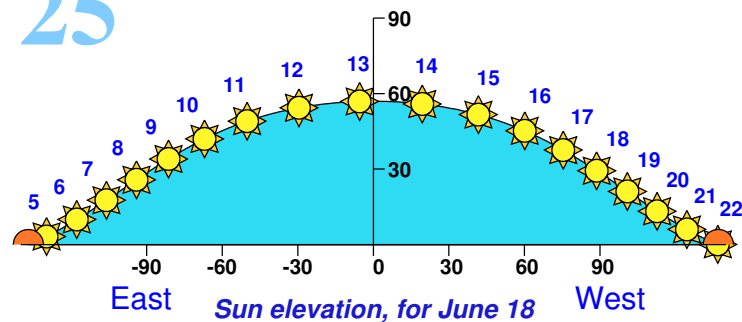
Week **30****June 2018****Dundee**

-2.97°E, 56.46°N

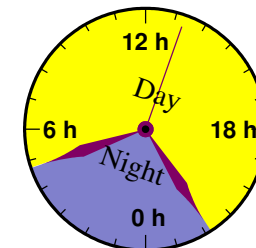
*Duration of the day, for June 11*
Monday 23 **Tuesday 24** **Wednesday 25** **Thursday 26**
Friday 15 **Saturday 16** **Sunday 17**
Sunrise and Sunset at Dundee (TL ± 1 mn)

204 - 161 04:57 - 21:39				166 - 199 04:22 - 22:04		
205 - 160 04:59 - 21:37				167 - 198 04:21 - 22:04		
206 - 159 05:00 - 21:36				168 - 197 04:21 - 22:05		
207 - 158 05:02 - 21:34						
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
16:42 -2 m. 54°	16:39 -2 m. 53°	16:35 -3 m. 53°	16:32 -3 m. 53°	17:42 +1 m. 57°	17:43 +1 m. 57°	17:44 +0 m. 57°

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

Week **25****July 2018****Dundee**

-2.97°E, 56.46°N



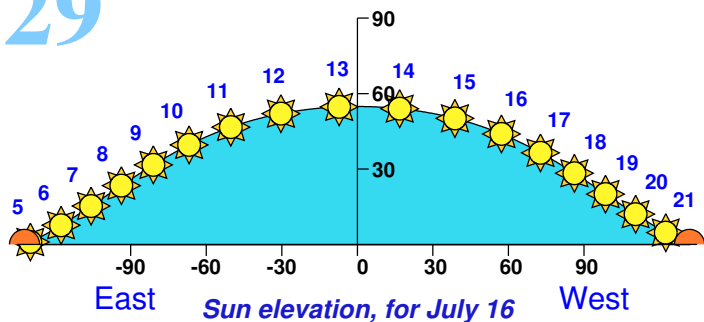
Duration of the day, for July 16

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

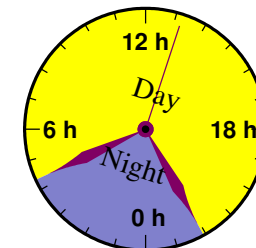
Sunrise and Sunset at Dundee (TL ± 1 mn)

169 - 196 04:21 - 22:05				201 - 164 04:52 - 21:44		
170 - 195 04:21 - 22:06				202 - 163 04:53 - 21:42		
171 - 194 04:21 - 22:06				203 - 162 04:55 - 21:41		
172 - 193 04:22 - 22:06						
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
17:44 <i>+0 m.</i> 57°	17:44 <i>+0 m.</i> 57°	17:45 <i>+0 m.</i> 57°	17:45 <i>+0 m.</i> 57°	16:52 <i>-3 m.</i> 54°	16:49 <i>-2 m.</i> 54°	16:46 <i>-2 m.</i> 54°

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

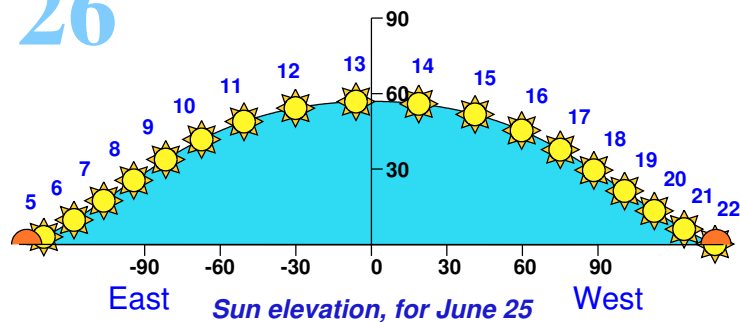
Week **29****June 2018****Dundee**

-2.97°E, 56.46°N

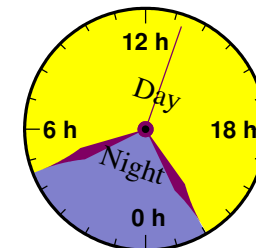
*Duration of the day, for June 18*
Monday 16 **Tuesday 17** **Wednesday 18** **Thursday 19**
Friday 22 **Saturday 23** **Sunday 24**
Sunrise and Sunset at Dundee (TL ± 1 mn)

197 - 168 04:45 - 21:50				173 - 192 04:22 - 22:06		
198 - 167 04:47 - 21:49				174 - 191 04:22 - 22:06		
199 - 166 04:48 - 21:47				175 - 190 04:22 - 22:06		
200 - 165 04:50 - 21:46						
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
17:05 -2 m. 55°	17:02 -2 m. 55°	16:59 -2 m. 55°	16:56 -3 m. 54°	17:45 +0 m. 57°	17:44 +0 m. 57°	17:44 +0 m. 57°

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

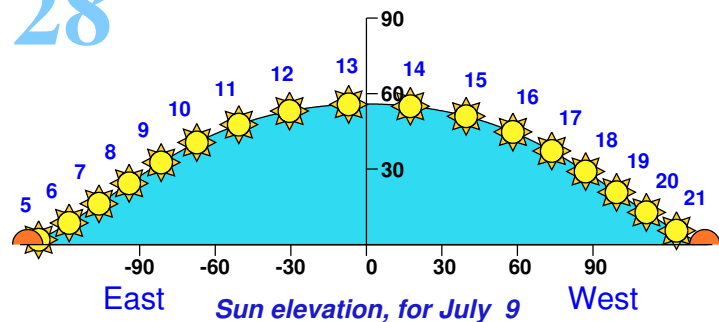
Week **26****July 2018****Dundee**

-2.97°E, 56.46°N

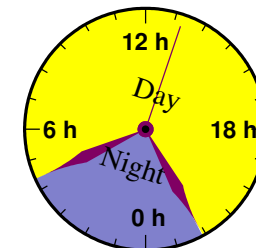
*Duration of the day, for July 9*
Monday 25 **Tuesday 26** **Wednesday 27** **Thursday 28**
Friday 13 **Saturday 14** **Sunday 15**
Sunrise and Sunset at Dundee (TL ± 1 mn)

176 - 189 04:23 - 22:06				194 - 171 04:41 - 21:54		
177 - 188 04:23 - 22:06				195 - 170 04:42 - 21:53		
178 - 187 04:24 - 22:06				196 - 169 04:44 - 21:51		
179 - 186 04:25 - 22:06						
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
17:43 +0 m. 57°	17:43 +0 m. 57°	17:42 +0 m. 57°	17:41 +0 m. 57°	17:13 -2 m. 55°	17:11 -2 m. 55°	17:08 -2 m. 55°

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

Week **28****June - July 2018****Dundee**

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)**190 - 175**

04:35 - 21:58

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:23 -1 m. 56°

191 - 174

04:37 - 21:57

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:21 -1 m. 56°

192 - 173

04:38 - 21:56

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:18 -2 m. 56°

193 - 172

04:39 - 21:55

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:16 -1 m. 55°

180 - 185

04:25 - 22:05

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:40 +0 m. 57°

181 - 184

04:26 - 22:05

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:39 +0 m. 57°

182 - 183

04:27 - 22:05

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

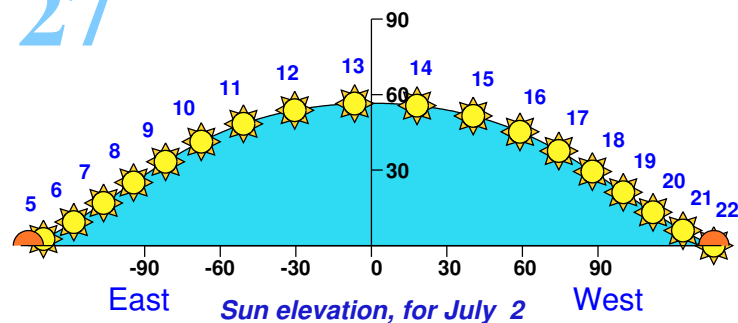
18 —

19 —

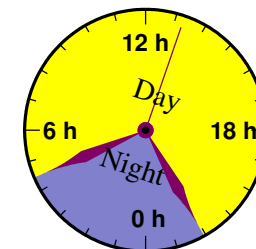
20 —

17:38 +0 m. 57°

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

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

-2.97°E, 56.46°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 Dundee (TL ± 1 mn)***183 - 182**

04:28 - 22:04

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:36 -1 m. 57°

184 - 181

04:29 - 22:03

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:35 +0 m. 56°

185 - 180

04:30 - 22:03

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:33 -1 m. 56°

186 - 179

04:31 - 22:02

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:32 -1 m. 56°

187 - 178

04:32 - 22:01

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:30 -2 m. 56°

188 - 177

04:33 - 22:00

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:28 -2 m. 56°

189 - 176

04:34 - 21:59

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

16 —

17 —

18 —

19 —

20 —

17:25 -2 m. 56°

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