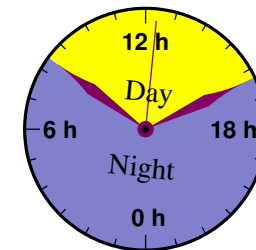


Sun Diary **2018**



Katlenburg-Lindau

10.099°E, 51.682°N

Monday 1

Tuesday 2

Wednesday 3

Thursday 4

Friday 4

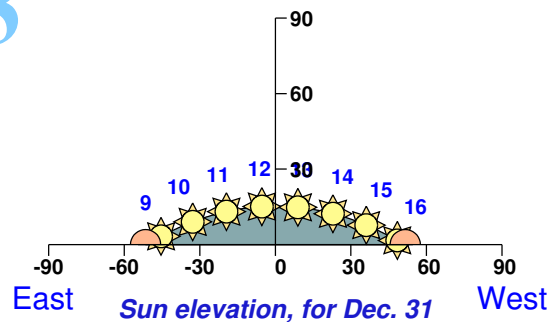
Saturday 5

Sunday 6

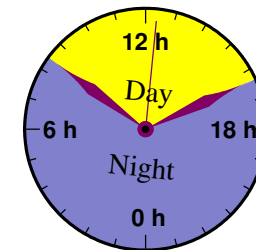
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

1 - 364 08:26 - 16:21			2 - 363 08:26 - 16:22			3 - 362 08:26 - 16:23			4 - 361 08:26 - 16:24			4 - 361 08:26 - 16:24			5 - 360 08:26 - 16:25			6 - 359 08:25 - 16:26		
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		
7:54	+1 m.	15°	7:55	+1 m.	15°	7:56	+1 m.	16°	7:58	+1 m.	16°	7:57	+1 m.	16°	7:59	+1 m.	16°	8:00	+2 m.	16°

Duration of the day - Variation - Sun maximal elevation ($^{\circ}$)

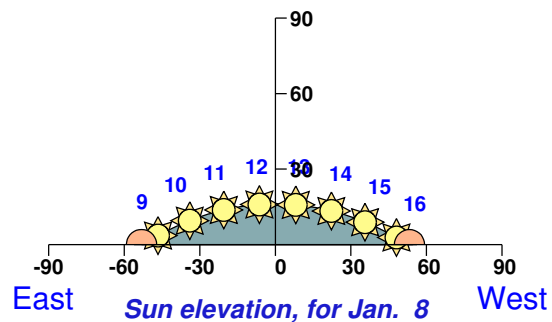
Week **53****January 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

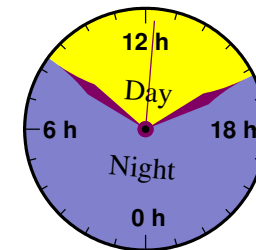
*Duration of the day, for Jan. 1***Monday 31****Tuesday 1****Wednesday 2****Thursday 3****Friday 5****Saturday 6****Sunday 7***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

365 - 0 08:26 - 16:19				5 - 360 08:25 - 16:25		
1 - 364 08:26 - 16:20				6 - 359 08:25 - 16:26		
2 - 363 08:26 - 16:21				7 - 358 08:25 - 16:28		
3 - 362 08:26 - 16:22						
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
7:52 +1 m. 15°	7:54 +1 m. 15°	7:55 +1 m. 15°	7:56 +1 m. 16°	7:59 +1 m. 16°	8:01 +2 m. 16°	8:02 +1 m. 16°

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

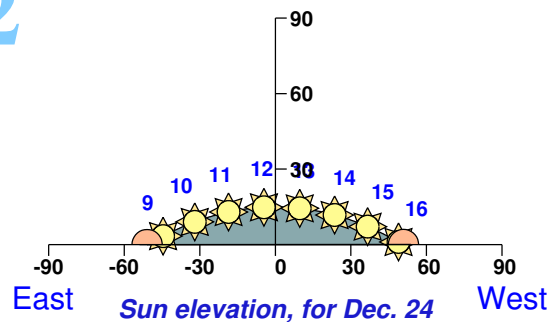
Week **2****December 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

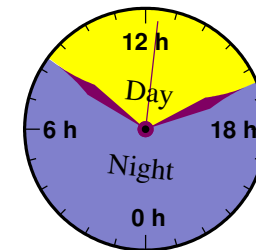
*Duration of the day, for Dec. 24***Monday 8****Tuesday 9****Wednesday 10****Thursday 11****Friday 28****Saturday 29****Sunday 30***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

8 - 357 08:24 - 16:29				362 - 3 08:26 - 16:16		
9 - 356 08:24 - 16:30				363 - 2 08:26 - 16:17		
10 - 355 08:23 - 16:32				364 - 1 08:26 - 16:18		
11 - 354 08:23 - 16:33						
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
8:04	+2 m.	16°	8:10	+1 m.	15°	7:51
8:06	+2 m.	16°	8:08	+1 m.	15°	7:51

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

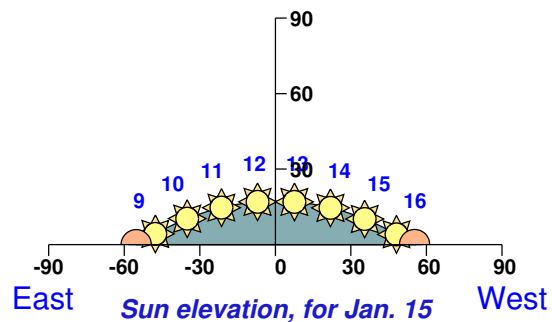
Week **52****January 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

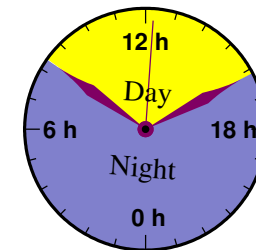
*Duration of the day, for Jan. 8*
Monday 24 **Tuesday 25** **Wednesday 26** **Thursday 27**
Friday 12 **Saturday 13** **Sunday 14**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

358 - 7 08:25 - 16:13				12 - 353 08:22 - 16:35		
359 - 6 08:26 - 16:14				13 - 352 08:21 - 16:36		
360 - 5 08:26 - 16:15				14 - 351 08:20 - 16:38		
361 - 4 08:26 - 16:16						
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 +0 m. 15°	7:48 +0 m. 15°	7:49 +1 m. 15°	7:49 +0 m. 15°	8:12 +2 m. 17°	8:15 +2 m. 17°	8:17 +2 m. 17°

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

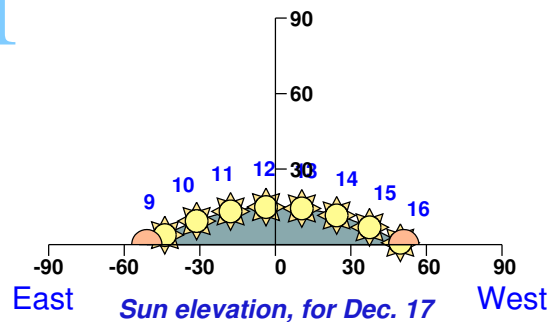
Week **3****December 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

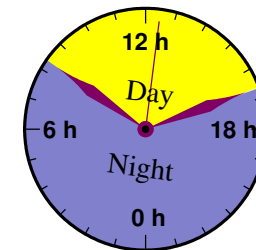
*Duration of the day, for Dec. 17*
Monday 15 **Tuesday 16** **Wednesday 17** **Thursday 18**
Friday 21 **Saturday 22** **Sunday 23**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

15 - 350 08:20 - 16:39				355 - 10 08:24 - 16:12		
16 - 349 08:19 - 16:41				356 - 9 08:24 - 16:12		
17 - 348 08:18 - 16:42				357 - 8 08:25 - 16:13		
18 - 347 08:17 - 16:44						
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
8:19 +2 m. 17°	8:22 +2 m. 17°	8:24 +3 m. 18°	8:27 +3 m. 18°	7:47 +0 m. 15°	7:47 +0 m. 15°	7:48 +0 m. 15°

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

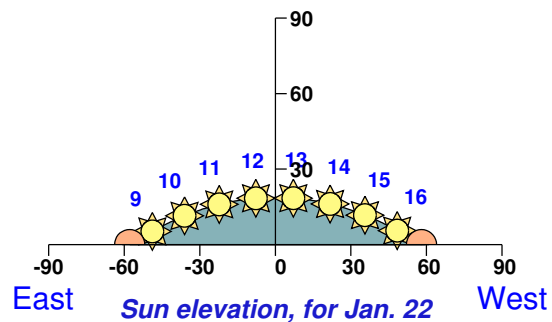
Week **51****January 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

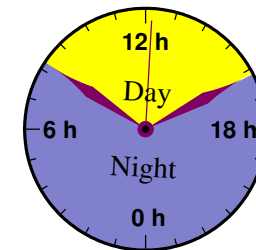
*Duration of the day, for Jan. 15***Monday 17 Tuesday 18 Wednesday 19 Thursday 20****Friday 19 Saturday 20 Sunday 21***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

351 - 14 08:21 - 16:10				19 - 346 08:16 - 16:46		
352 - 13 08:22 - 16:11				20 - 345 08:15 - 16:47		
353 - 12 08:23 - 16:11				21 - 344 08:14 - 16:49		
354 - 11 08:23 - 16:11						
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
7:49 +0 m. 15°	7:48 +0 m. 15°	7:48 +0 m. 15°	7:48 +0 m. 15°	8:29 +2 m. 18°	8:32 +3 m. 18°	8:35 +3 m. 19°

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

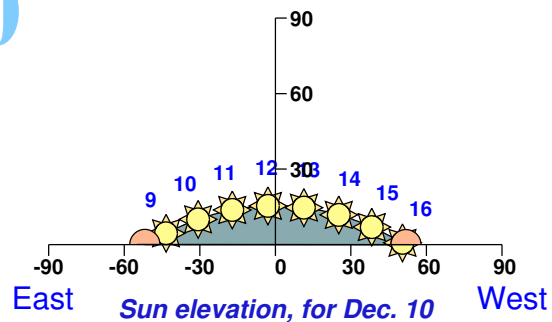
Week **4****December 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

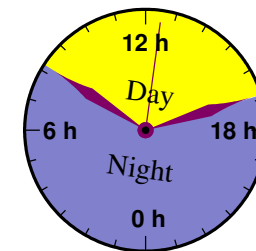
*Duration of the day, for Dec. 10*
Monday 22 **Tuesday 23** **Wednesday 24** **Thursday 25**
Friday 14 **Saturday 15** **Sunday 16**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

22 - 343 08:12 - 16:51				348 - 17 08:19 - 16:10		
23 - 342 08:11 - 16:52				349 - 16 08:20 - 16:10		
24 - 341 08:10 - 16:54				350 - 15 08:21 - 16:10		
25 - 340 08:09 - 16:56						
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
8:38 +3 m. 19°	8:41 +3 m. 19°	8:44 +3 m. 19°	8:47 +3 m. 19°	7:50 +0 m. 15°	7:50 +0 m. 15°	7:49 +0 m. 15°

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

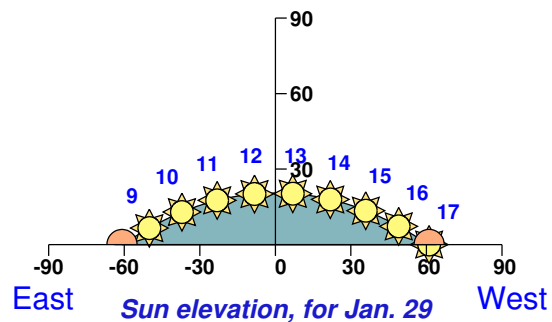
Week **50****January 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

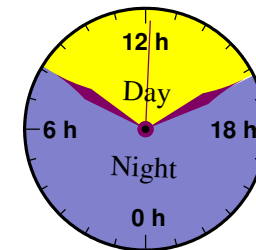
*Duration of the day, for Jan. 22***Monday 10 Tuesday 11 Wednesday 12 Thursday 13****Friday 26 Saturday 27 Sunday 28***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

344 - 21 08:15 - 16:10	345 - 20 08:16 - 16:10	346 - 19 08:17 - 16:10	347 - 18 08:18 - 16:10	26 - 339 08:07 - 16:58	27 - 338 08:06 - 16:59	28 - 337 08:05 - 17:01
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 +0 m. 15°	7:53 +0 m. 15°	7:52 +0 m. 15°	7:51 +0 m. 15°	8:50 +3 m. 20°	8:53 +3 m. 20°	8:56 +3 m. 20°

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

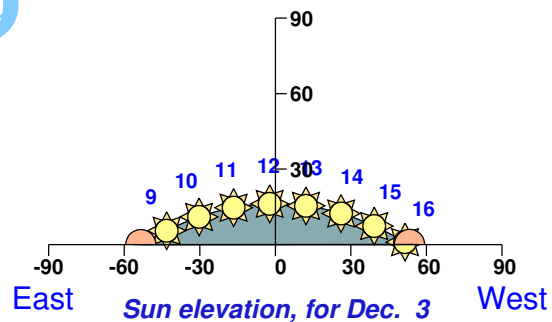
Week **5****December 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

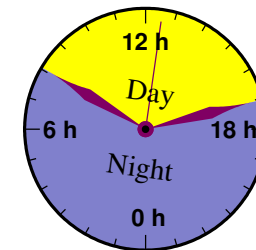
*Duration of the day, for Dec. 3*
Monday 29 **Tuesday 30** **Wednesday 31** **Thursday 1**
Friday 7 **Saturday 8** **Sunday 9**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

29 - 336 08:03 - 17:03	30 - 335 08:02 - 17:05	31 - 334 08:00 - 17:07	32 - 333 07:59 - 17:08	341 - 24 08:12 - 16:11	342 - 23 08:13 - 16:10	343 - 22 08:14 - 16:10
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
8:59 <i>+3 m.</i> 20°	9:03 <i>+3 m.</i> 21°	9:06 <i>+3 m.</i> 21°	9:09 <i>+3 m.</i> 21°	7:59 <i>-1 m.</i> 16°	7:57 <i>-1 m.</i> 16°	7:56 <i>+0 m.</i> 16°

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

Week **49****Jan. - Feb. 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***337 - 28**

08:06 - 16:12

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

8:05 -1 m. 16°

338 - 27

08:08 - 16:12

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

8:04 -1 m. 16°

339 - 26

08:09 - 16:11

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

8:02 -1 m. 16°

340 - 25

08:10 - 16:11

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

8:00 -1 m. 16°

33 - 332

07:57 - 17:10

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

9:13 +3 m. 22°

34 - 331

07:56 - 17:12

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

9:16 +3 m. 22°

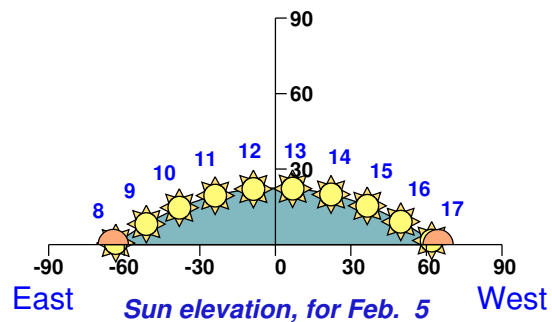
35 - 330

07:54 - 17:14

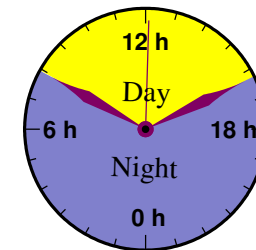
8
9
10
11
12
13
14
15
16
17
18
19
20

9:19 +3 m. 22°

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

Week **6****Nov. - Dec. 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***36 - 329**

07:52 - 17:16

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

9:23 +3 m. 23°

37 - 328

07:51 - 17:18

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

9:26 +3 m. 23°

38 - 327

07:49 - 17:20

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

9:30 +4 m. 23°

39 - 326

07:47 - 17:21

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

9:34 +3 m. 23°

334 - 31

08:02 - 16:14

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

8:12 -1 m. 17°

335 - 30

08:04 - 16:14

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

8:09 -1 m. 17°

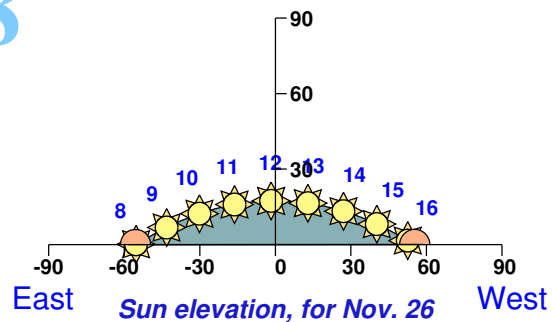
336 - 29

08:05 - 16:13

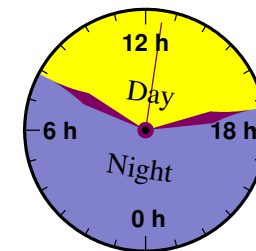
8
9
10
11
12
13
14
15
16
17
18
19
20

8:07 -1 m. 16°

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

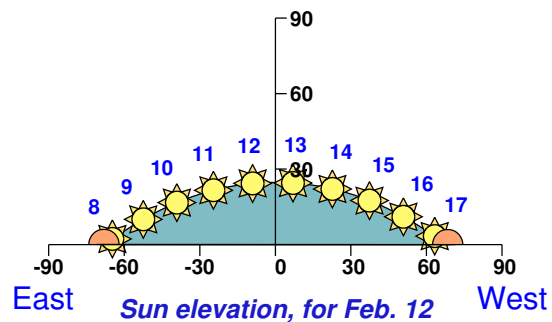
Week **48****February 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

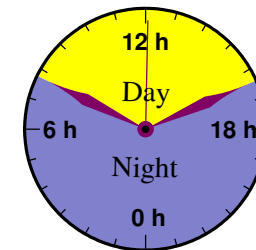
*Duration of the day, for Feb. 5***Monday 26 Tuesday 27 Wednesday 28 Thursday 29****Friday 9 Saturday 10 Sunday 11***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

330 - 35 07:56 - 16:17	331 - 34 07:58 - 16:16	332 - 33 07:59 - 16:16	333 - 32 08:01 - 16:15	40 - 325 07:45 - 17:23	41 - 324 07:44 - 17:25	42 - 323 07:42 - 17:27
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
8:21 -1 m. 17°	8:18 -2 m. 17°	8:16 -1 m. 17°	8:14 -1 m. 17°	9:37 +4 m. 24°	9:41 +4 m. 24°	9:45 +4 m. 24°

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

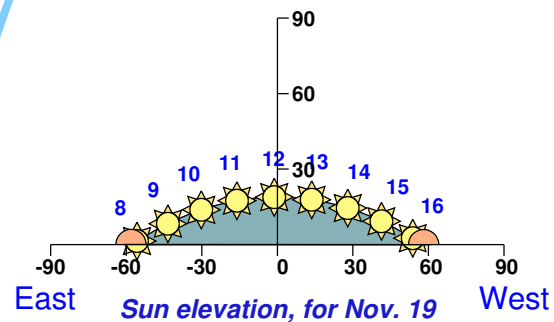
Week **7****November 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

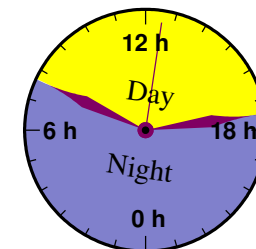
*Duration of the day, for Nov. 19***Monday 12 Tuesday 13 Wednesday 14 Thursday 15****Friday 23 Saturday 24 Sunday 25***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

43 - 322 07:40 - 17:29				327 - 38 07:52 - 16:20		
44 - 321 07:38 - 17:31				328 - 37 07:53 - 16:19		
45 - 320 07:36 - 17:32				329 - 36 07:55 - 16:18		
46 - 319 07:34 - 17:34						
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
9:48 +4 m. 25°	9:52 +4 m. 25°	9:56 +4 m. 25°	10:00 +4 m. 26°	8:28 -2 m. 18°	8:26 -2 m. 18°	8:23 -2 m. 18°

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

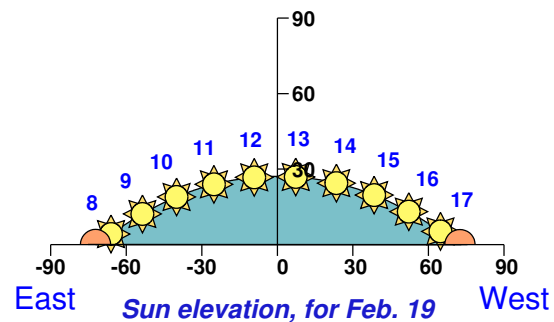
Week **47****February 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

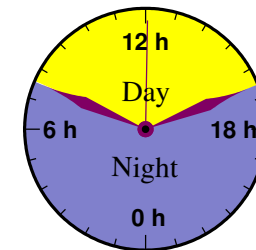
*Duration of the day, for Feb. 12*
Monday 19 **Tuesday 20** **Wednesday 21** **Thursday 22**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

323 - 42 07:45 - 16:25				47 - 318 07:32 - 17:36		
324 - 41 07:47 - 16:24				48 - 317 07:30 - 17:38		
325 - 40 07:48 - 16:22				49 - 316 07:28 - 17:40		
326 - 39 07:50 - 16:21						
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
8:39 -2 m. 19°	8:37 -2 m. 19°	8:34 -2 m. 18°	8:31 -2 m. 18°	10:04 +4 m. 26°	10:08 +3 m. 26°	10:11 +3 m. 27°

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

Week **8****November 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)

50 - 315 07:26 - 17:42				320 - 45 07:40 - 16:29		
51 - 314 07:24 - 17:43				321 - 44 07:42 - 16:27		
52 - 313 07:22 - 17:45				322 - 43 07:43 - 16:26		
53 - 312 07:20 - 17:47						
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
10:15	+4 m.	27°		8:48	-2 m.	20°

10:19 +4 m. 28°

10:23 +4 m. 28°

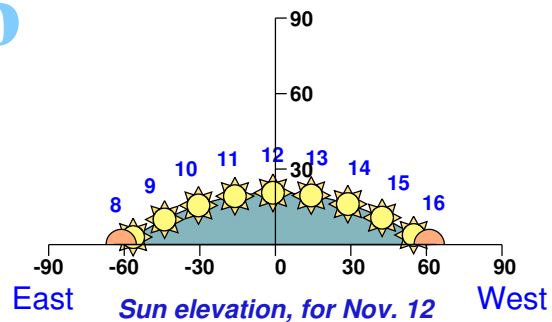
10:27 +4 m. 28°

8:45 -2 m. 19°

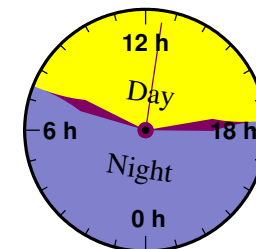
8:42 -2 m.

19°

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

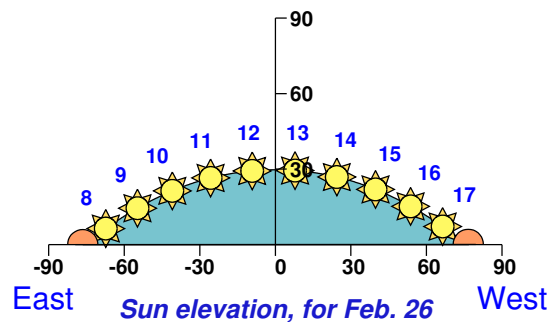
Week **46****February 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

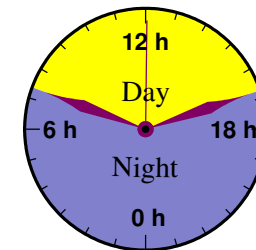
*Duration of the day, for Feb. 19*
Monday 12 **Tuesday 13** **Wednesday 14** **Thursday 15**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

316 - 49 07:33 - 16:34				54 - 311 07:18 - 17:49		
317 - 48 07:35 - 16:33				55 - 310 07:16 - 17:51		
318 - 47 07:36 - 16:31				56 - 309 07:14 - 17:52		
319 - 46 07:38 - 16:30						
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
9:01 -2 m. 21°	8:58 -2 m. 20°	8:55 -2 m. 20°	8:51 -2 m. 20°	10:31 +4 m. 29°	10:35 +3 m. 29°	10:38 +3 m. 29°

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

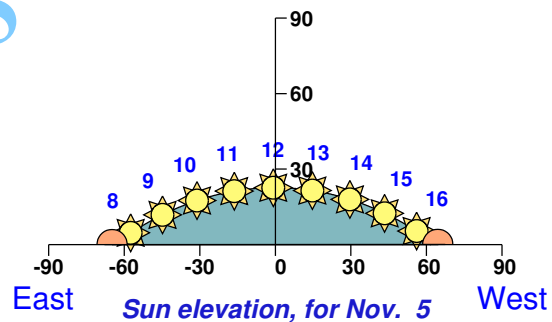
Week **9****November 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

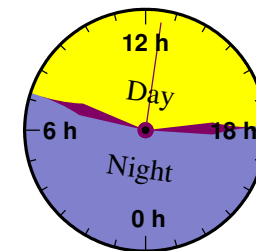
*Duration of the day, for Nov. 5*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 1**
Friday 9 **Saturday 10** **Sunday 11**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

57 - 308 07:12 - 17:54			58 - 307 07:10 - 17:56			59 - 306 07:08 - 17:58			60 - 305 07:05 - 18:00			313 - 52 07:28 - 16:39			314 - 51 07:29 - 16:37			315 - 50 07:31 - 16:36		
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		
10:42	+4 m.	30°	10:46	+4 m.	30°	10:50	+4 m.	30°	10:54	+4 m.	31°	9:11	-2 m.	21°	9:07	-2 m.	21°	9:04	-2 m.	21°

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

Week **45****Feb. - March 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***309 - 56**

07:21 - 16:45

310 - 55

07:22 - 16:44

311 - 54

07:24 - 16:42

312 - 53

07:26 - 16:40

61 - 304

07:03 - 18:01

62 - 303

07:01 - 18:03

63 - 302

06:59 - 18:05

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

9:24 -3 m. 23°

9:21 -3 m. 22°

9:18 -2 m. 22°

9:14 -3 m. 22°

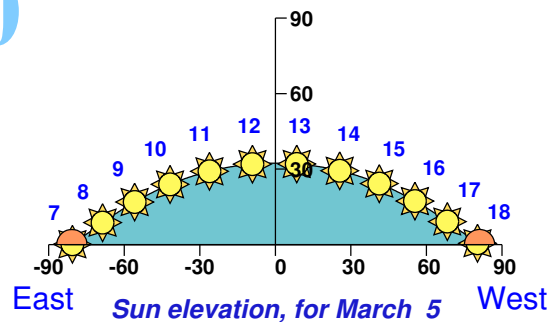
10:58 +4 m. 31°

11:02 +4 m. 32°

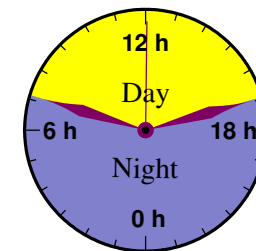
11:06 +4 m.

32°

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

Week **10****Oct. - Nov. 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***64 - 301**

06:57 - 18:07

65 - 300

06:55 - 18:08

66 - 299

06:52 - 18:10

67 - 298

06:50 - 18:12

306 - 59

07:15 - 16:51

307 - 58

07:17 - 16:49

308 - 57

07:19 - 16:47

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

11:10 +4 m. 32°

11:14 +4 m. 33°

11:18 +4 m. 33°

11:22 +4 m. 34°

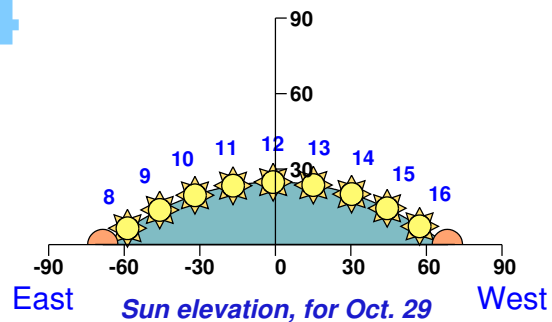
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

9:35 -3 m. 24°

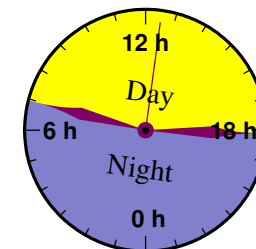
9:31 -3 m. 23°

9:28 -3 m. 23°

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

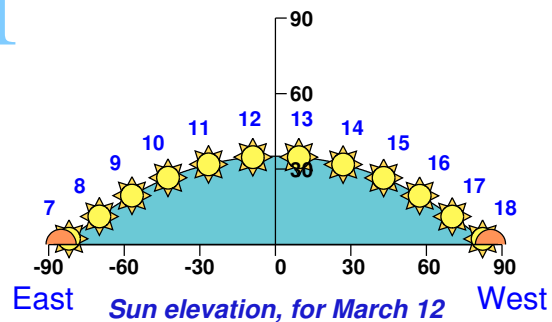
Week **44****March 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

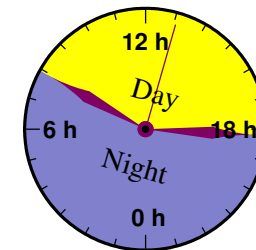
*Duration of the day, for March 5*
Monday 29 **Tuesday 30** **Wednesday 31** **Thursday 1**
Friday 9 **Saturday 10** **Sunday 11**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

302 - 63 07:08 - 16:58				68 - 297 06:48 - 18:14		
303 - 62 07:10 - 16:56				69 - 296 06:46 - 18:15		
304 - 61 07:12 - 16:54				70 - 295 06:43 - 18:17		
305 - 60 07:13 - 16:53						
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
9:50 -3 m. 25°	9:46 -3 m. 25°	9:42 -3 m. 24°	9:39 -3 m. 24°	11:26 +4 m. 34°	11:30 +4 m. 34°	11:34 +4 m. 35°

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

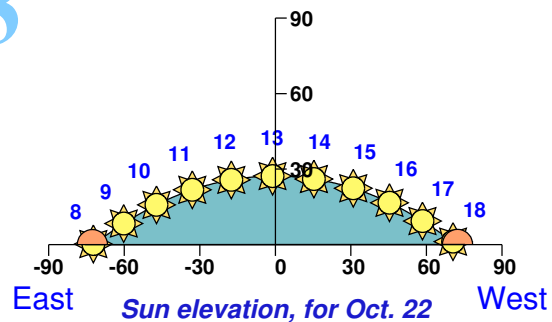
Week **11****October 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

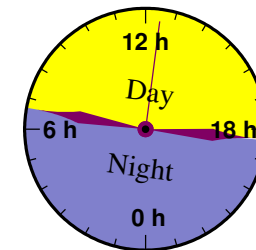
*Duration of the day, for Oct. 22***Monday 12 Tuesday 13 Wednesday 14 Thursday 15****Friday 26 Saturday 27 Sunday 28***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

71 - 294 06:41 - 18:19				299 - 66 08:03 - 18:04		
72 - 293 06:39 - 18:21				300 - 65 08:05 - 18:02		
73 - 292 06:37 - 18:22				301 - 64 07:06 - 17:00		
				<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
11:38 +4 m. 35°	11:42 +4 m. 35°	11:46 +4 m. 36°	11:50 +4 m. 36°	10:01 -3 m. 26°	9:57 -3 m. 26°	9:53 -3 m. 25°

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

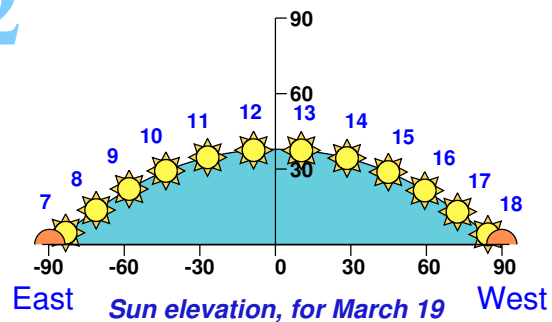
Week **43****March 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

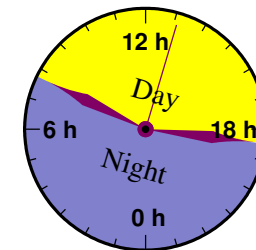
*Duration of the day, for March 12*
Monday 22 **Tuesday 23** **Wednesday 24** **Thursday 25**
Friday 16 **Saturday 17** **Sunday 18**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

295 - 70 07:56 - 18:12				75 - 290 06:32 - 18:26		
296 - 69 07:58 - 18:10				76 - 289 06:30 - 18:28		
297 - 68 07:59 - 18:08				77 - 288 06:27 - 18:29		
298 - 67 08:01 - 18:06						
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
10:16 <i>-3 m.</i> 27°	10:12 <i>-3 m.</i> 27°	10:08 <i>-3 m.</i> 27°	10:05 <i>-2 m.</i> 26°	11:54 <i>+4 m.</i> 37°	11:58 <i>+4 m.</i> 37°	12:02 <i>+4 m.</i> 37°

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

Week **12****October 2018****Katlenburg-Lindau**

10.099°E, 51.682°N



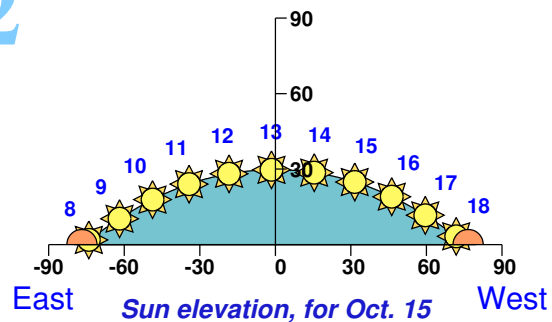
Duration of the day, for Oct. 15

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

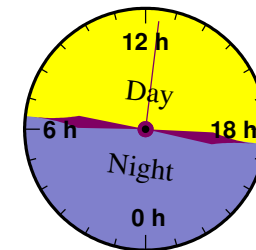
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

78 - 287 06:25 - 18:31				292 - 73 07:51 - 18:18		
79 - 286 06:23 - 18:33				293 - 72 07:52 - 18:16		
80 - 285 06:21 - 18:34				294 - 71 07:54 - 18:14		
81 - 284 06:18 - 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
12:06 +4 m. 38°	12:10 +4 m. 38°	12:14 +4 m. 39°	12:18 +4 m. 39°	10:28 -3 m. 28°	10:24 -4 m. 28°	10:20 -3 m. 28°

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

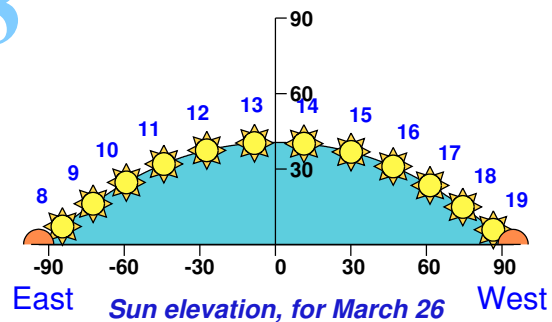
Week **42****March 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

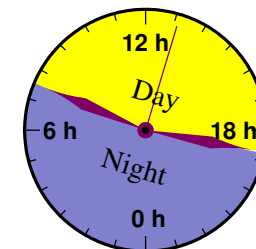
*Duration of the day, for March 19*
Monday 15 **Tuesday 16** **Wednesday 17** **Thursday 18**
Friday 23 **Saturday 24** **Sunday 25**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

288 - 77 07:44 - 18:27				82 - 283 06:16 - 18:38		
289 - 76 07:45 - 18:24				83 - 282 06:14 - 18:39		
290 - 75 07:47 - 18:22				84 - 281 07:11 - 19:41		
				<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
10:43 -3 m. 30°	10:39 -3 m. 29°	10:35 -3 m. 29°	10:31 -3 m. 29°	12:22 +4 m. 39°	12:26 +4 m. 40°	12:30 +4 m. 40°

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

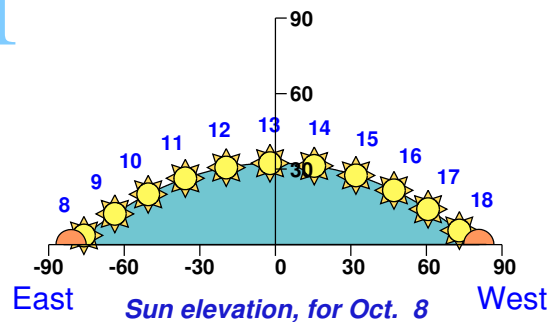
Week **13****October 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

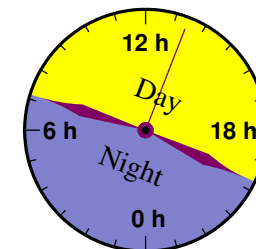
*Duration of the day, for Oct. 8*
Monday 26 **Tuesday 27** **Wednesday 28** **Thursday 29**
Friday 12 **Saturday 13** **Sunday 14**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

85 - 280 07:09 - 19:43				86 - 279 07:07 - 19:45			87 - 278 07:05 - 19:46			88 - 277 07:02 - 19:48			285 - 80 07:39 - 18:33			286 - 79 07:40 - 18:31			287 - 78 07:42 - 18:29		
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		
12:34	+4 m.	41°		12:38	+4 m.	41°	12:42	+4 m.	41°	12:46	+4 m.	42°	10:55	-3 m.	31°	10:51	-3 m.	31°	10:47	-3 m.	30°

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

Week **41****March - April 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***281 - 84**

07:32 - 18:42

8

9

10

11

12

13

14

15

16

17

18

19

20

11:10 -3 m. 32°

282 - 83

07:34 - 18:40

8

9

10

11

12

13

14

15

16

17

18

19

20

11:06 -3 m. 32°

283 - 82

07:35 - 18:37

8

9

10

11

12

13

14

15

16

17

18

19

20

11:02 -3 m. 32°

284 - 81

07:37 - 18:35

8

9

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11

12

13

14

15

16

17

18

19

20

10:58 -3 m. 31°

89 - 276

07:00 - 19:50

8

9

10

11

12

13

14

15

16

17

18

19

20

12:50 +4 m. 42°

90 - 275

06:58 - 19:51

8

9

10

11

12

13

14

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16

17

18

19

20

12:54 +4 m. 43°

91 - 274

06:55 - 19:53

8

9

10

11

12

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14

15

16

17

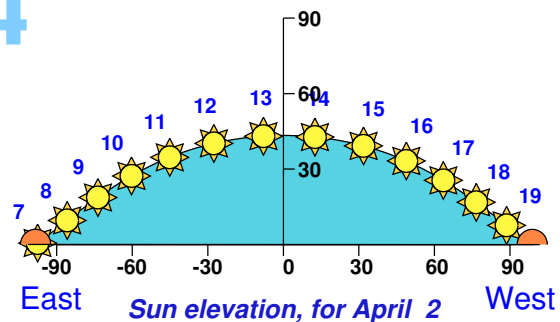
18

19

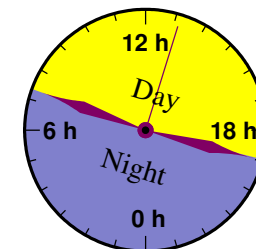
20

12:58 +4 m. 43°

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

Week **14****October 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***92 - 273**

06:53 - 19:55

8
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17
18
19
20

13:02 +4 m. 43°

93 - 272

06:51 - 19:56

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

13:06 +4 m. 44°

94 - 271

06:49 - 19:58

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

13:10 +3 m. 44°

95 - 270

06:46 - 20:00

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

13:14 +3 m. 44°

278 - 87

07:27 - 18:49

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

11:22 -3 m. 34°

279 - 86

07:28 - 18:46

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

11:18 -3 m. 33°

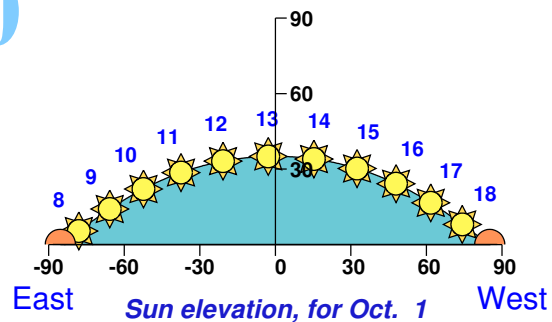
280 - 85

07:30 - 18:44

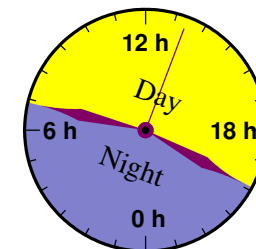
8
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16
17
18
19
20

11:14 -3 m. 33°

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

Week **40****April 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)*

274 - 91

07:20 - 18:58

275 - 90

07:22 - 18:55

276 - 89

07:24 - 18:53

277 - 88

07:25 - 18:51

96 - 269

06:44 - 20:01

97 - 268

06:42 - 20:03

98 - 267

06:40 - 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

11:38 -3 m. 35°

11:34 -4 m. 35°

11:30 -3 m. 34°

11:26 -3 m. 34°

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

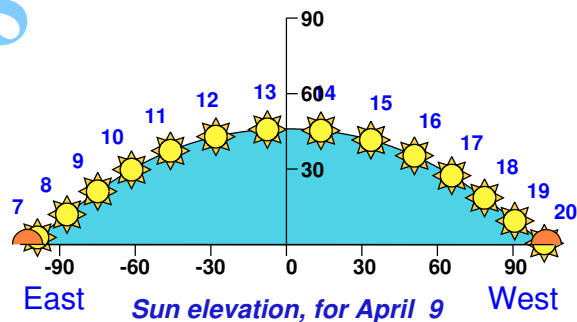
13:17 +3 m. 45°

13:21 +4 m. 45°

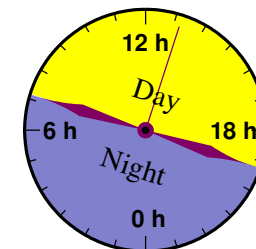
13:25 +4 m.

46°

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

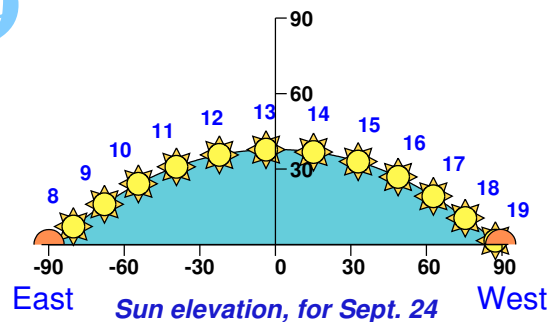
Week **15****September 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

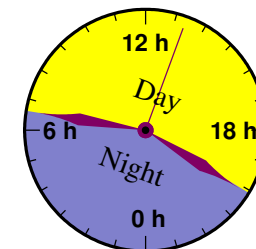
*Duration of the day, for Sept. 24*
Monday 9 **Tuesday 10** **Wednesday 11** **Thursday 12**
Friday 28 **Saturday 29** **Sunday 30**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

99 - 266 06:37 - 20:07				271 - 94 07:15 - 19:05		
100 - 265 06:35 - 20:08				272 - 93 07:17 - 19:02		
101 - 264 06:33 - 20:10				273 - 92 07:19 - 19:00		
102 - 263 06:31 - 20:12						
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
13:29 +4 m. 46°	13:33 +4 m. 46°	13:37 +4 m. 47°	13:41 +4 m. 47°	11:49 -3 m. 36°	11:45 -3 m. 36°	11:42 -3 m. 35°

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

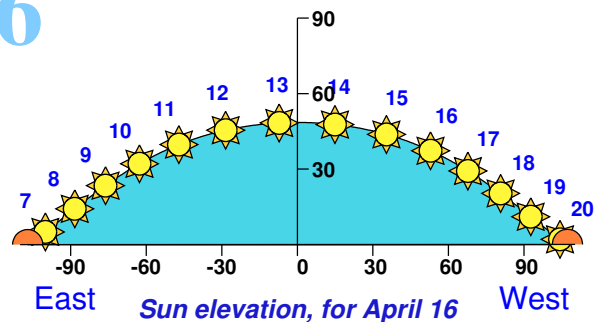
Week **39****April 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

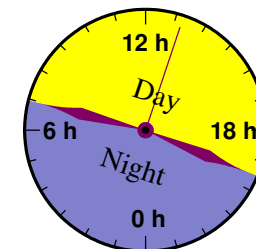
*Duration of the day, for April 9*
Monday 24 **Tuesday 25** **Wednesday 26** **Thursday 27**
Friday 13 **Saturday 14** **Sunday 15**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

267 - 98 07:09 - 19:14				103 - 262 06:28 - 20:13		
268 - 97 07:10 - 19:12				104 - 261 06:26 - 20:15		
269 - 96 07:12 - 19:09				105 - 260 06:24 - 20:17		
270 - 95 07:14 - 19:07						
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
12:05 -3 m. 38°	12:01 -3 m. 37°	11:57 -3 m. 37°	11:53 -3 m. 37°	13:45 +4 m. 47°	13:49 +4 m. 48°	13:53 +3 m. 48°

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

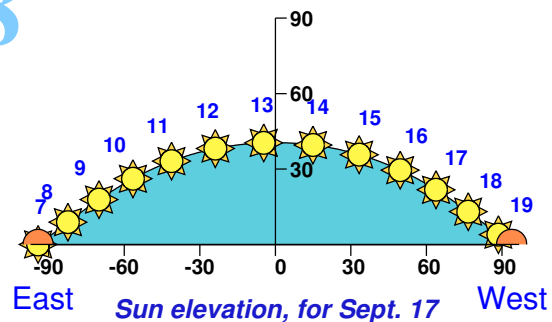
Week **16****September 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

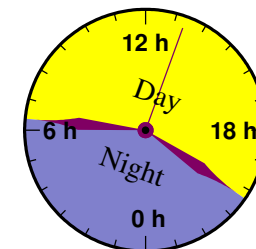
*Duration of the day, for Sept. 17*
Monday 16 **Tuesday 17** **Wednesday 18** **Thursday 19**
Friday 21 **Saturday 22** **Sunday 23**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

106 - 259 06:22 - 20:18				264 - 101 07:04 - 19:21		
107 - 258 06:20 - 20:20				265 - 100 07:06 - 19:18		
108 - 257 06:18 - 20:22				266 - 99 07:07 - 19:16		
109 - 256 06:16 - 20:23						
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
13:56 +4 m. 49°	14:00 +4 m. 49°	14:04 +4 m. 49°	14:08 +4 m. 50°	12:17 -3 m. 39°	12:13 -3 m. 39°	12:09 -3 m. 38°

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

Week **38****April 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***260 - 105**

06:57 - 19:30

261 - 104

06:59 - 19:28

262 - 103

07:01 - 19:25

263 - 102

07:02 - 19:23

110 - 255

06:13 - 20:25

111 - 254

06:11 - 20:27

112 - 253

06:09 - 20:28

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

12:33 -3 m. 41°

12:29 -3 m. 40°

12:25 -3 m. 40°

12:21 -3 m. 39°

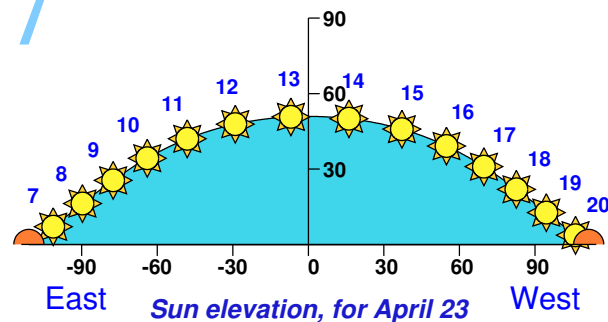
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

14:12 +4 m. 50°

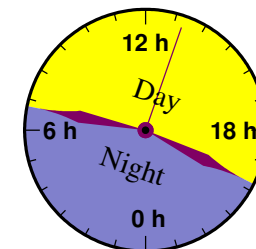
14:15 +3 m. 50°

14:19 +4 m. 51°

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

Week **17****September 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

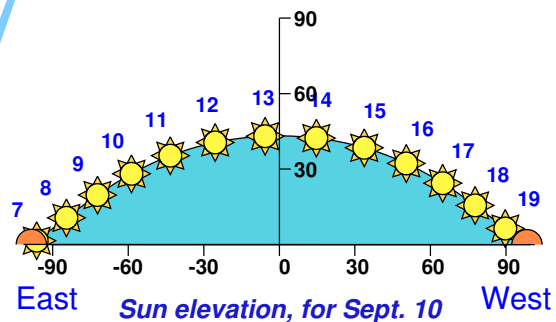


Duration of the day, for Sept. 10

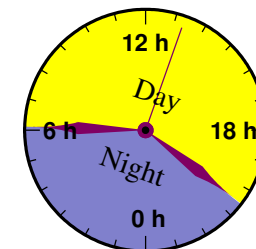
Monday 23 **Tuesday 24** **Wednesday 25** **Thursday 26**
Friday 14 **Saturday 15** **Sunday 16**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

113 - 252 06:07 - 20:30	114 - 251 06:05 - 20:32	115 - 250 06:03 - 20:33	116 - 249 06:01 - 20:35	257 - 108 06:53 - 19:37	258 - 107 06:54 - 19:35	259 - 106 06:56 - 19:32
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
14:23 +4 m. 51°	14:27 +3 m. 51°	14:30 +3 m. 52°	14:34 +4 m. 52°	12:45 -3 m. 42°	12:41 -4 m. 41°	12:37 -4 m. 41°

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

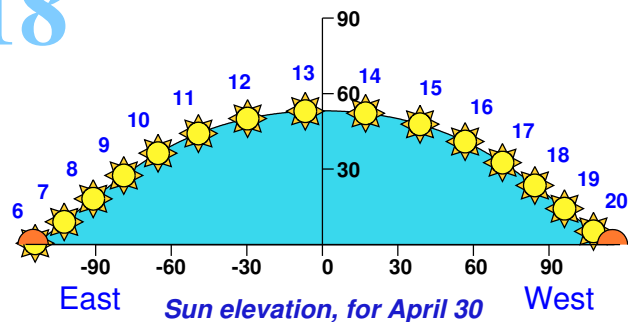
Week **37****April 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

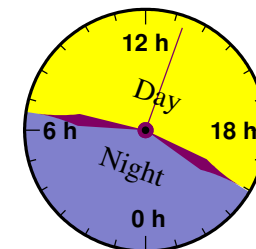
*Duration of the day, for April 23*
Monday 10 **Tuesday 11** **Wednesday 12** **Thursday 13**
Friday 27 **Saturday 28** **Sunday 29**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

253 - 112 06:46 - 19:46				117 - 248 05:59 - 20:37		
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
13:00 -3 m. 43°	12:56 -3 m. 43°	12:52 -3 m. 42°	12:48 -3 m. 42°	14:38 +3 m. 52°	14:41 +3 m. 53°	14:45 +4 m. 53°

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

Week **18****September 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)

120 - 245

05:53 - 20:42

121 - 244

05:51 - 20:43

122 - 243

05:50 - 20:45

123 - 242

05:48 - 20:47

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16
17
18
19
208
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11
12
13
14
15
16
17
18
19
20

14:49 +4 m. 53°

14:52 +3 m. 53°

14:56 +3 m. 54°

14:59 +3 m. 54°

250 - 115

06:41 - 19:53

251 - 114

06:43 - 19:51

252 - 113

06:45 - 19:49

8
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208
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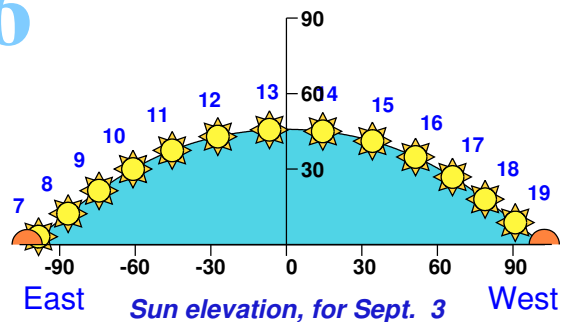
13:12 -3 m. 44°

13:08 -3 m. 44°

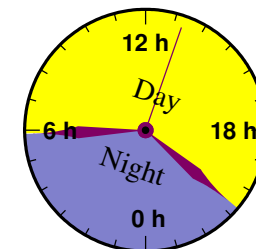
13:04 -3 m. 44°

13:04 -3 m. 44°

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

Week **36****April - May 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***246 - 119**

06:35 - 20:02

247 - 118

06:37 - 20:00

248 - 117

06:38 - 19:58

249 - 116

06:40 - 19:55

124 - 241

05:46 - 20:48

125 - 240

05:44 - 20:50

126 - 239

05:42 - 20:52

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

13:27 -3 m. 46°

13:23 -3 m. 45°

13:20 -3 m. 45°

13:16 -3 m. 45°

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

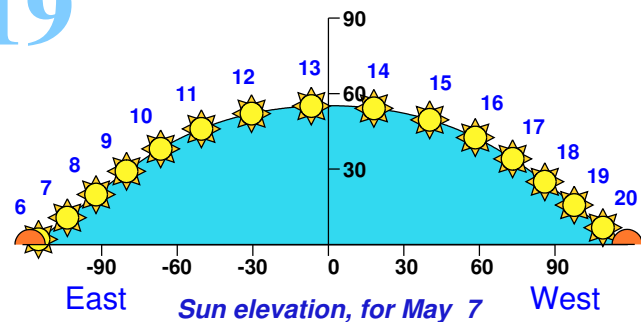
15:03 +3 m. 54°

15:06 +3 m. 55°

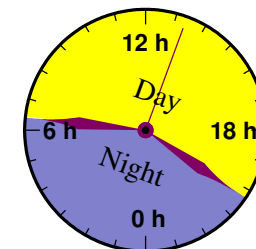
15:09 +3 m.

55°

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

Week **19****Aug. - Sept. 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***127 - 238**

05:40 - 20:53

128 - 237

05:39 - 20:55

129 - 236

05:37 - 20:56

130 - 235

05:35 - 20:58

243 - 122

06:30 - 20:09

244 - 121

06:32 - 20:07

245 - 120

06:33 - 20:04

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

15:13 +3 m. 55°

15:16 +3 m. 55°

15:19 +3 m. 56°

15:23 +4 m. 56°

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

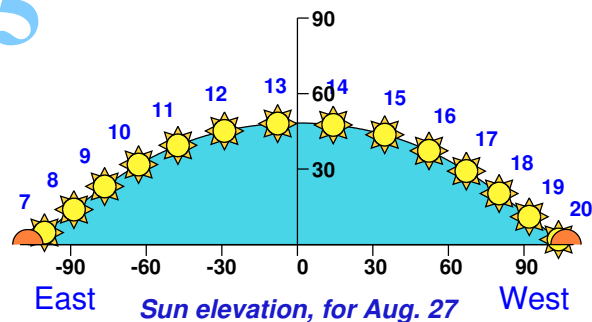
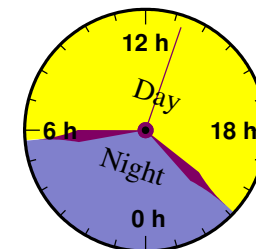
13:39 -3 m. 47°

13:35 -3 m. 47°

13:31 -3 m. 46°

13:31 -3 m. 46°

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

Week **35****May 2018**
Katlenburg-Lindau
 10.099°E, 51.682°N


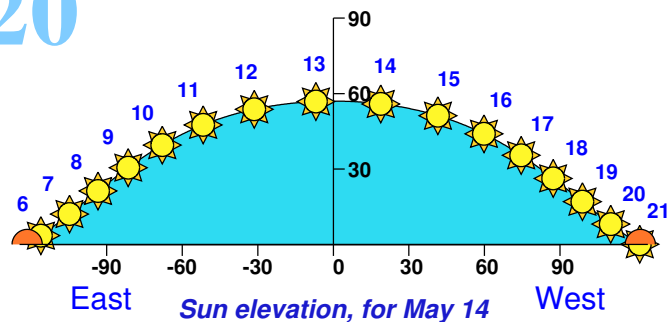
Duration of the day, for May 7

Monday 27 **Tuesday 28** **Wednesday 29** **Thursday 30**
Friday 11 **Saturday 12** **Sunday 13**

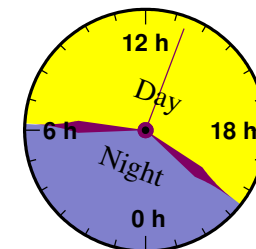
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

239 - 126 06:24 - 20:18	240 - 125 06:25 - 20:16	241 - 124 06:27 - 20:13	242 - 123 06:29 - 20:11	131 - 234 05:34 - 21:00	132 - 233 05:32 - 21:01	133 - 232 05:31 - 21:03
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
13:54 -3 m. 48°	13:50 -3 m. 48°	13:47 -3 m. 48°	13:43 -3 m. 47°	15:26 +3 m. 56°	15:29 +3 m. 57°	15:32 +3 m. 57°

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

Week **20****August 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***134 - 231**

05:29 - 21:04

8 —

9 —

10 —

11 —

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16 —

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18 —

19 —

20 —

15:35 +3 m. 57°

135 - 230

05:27 - 21:06

8 —

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13 —

14 —

15 —

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19 —

20 —

15:38 +3 m. 57°

136 - 229

05:26 - 21:07

8 —

9 —

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14 —

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16 —

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18 —

19 —

20 —

15:41 +3 m. 57°

137 - 228

05:25 - 21:09

8 —

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15:44 +3 m. 58°

236 - 129

06:19 - 20:24

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14:05 -3 m. 49°

237 - 128

06:21 - 20:22

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19 —

20 —

14:02 -3 m. 49°

238 - 127

06:22 - 20:20

8 —

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17 —

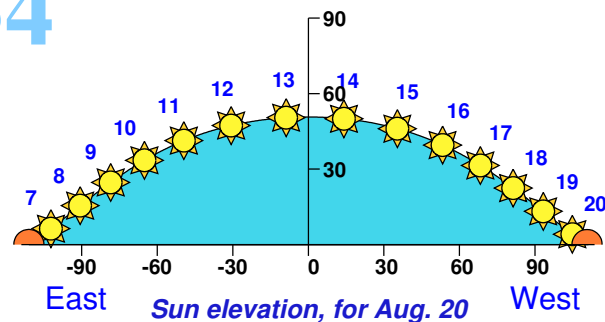
18 —

19 —

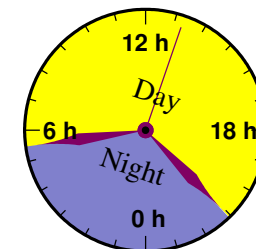
20 —

13:58 -3 m. 49°

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

Week **34****May 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)

232 - 133

06:12 - 20:33

233 - 132

06:14 - 20:31

234 - 131

06:16 - 20:29

235 - 130

06:17 - 20:26

138 - 227

05:23 - 21:10

139 - 226

05:22 - 21:12

140 - 225

05:20 - 21:13

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

14:20 -3 m. 51°

14:17 -2 m. 50°

14:13 -3 m. 50°

14:09 -3 m. 50°

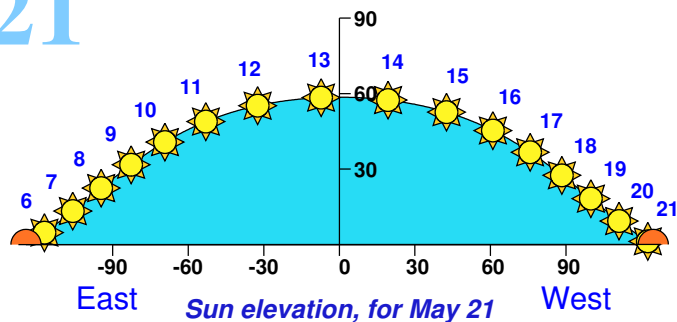
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

15:47 +3 m. 58°

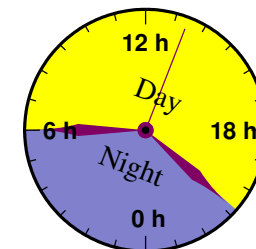
15:50 +3 m. 58°

15:53 +3 m. 58°

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

Week **21****August 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***141 - 224**

05:19 - 21:15

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19
20

15:56 **+3 m.** 59°**142 - 223**

05:18 - 21:16

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19
20

15:58 **+2 m.** 59°**143 - 222**

05:17 - 21:17

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19
20

16:01 **+3 m.** 59°**144 - 221**

05:15 - 21:19

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18
19
20

16:03 **+2 m.** 59°**229 - 136**

06:08 - 20:39

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19
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14:31 **-3 m.** 52°**230 - 135**

06:09 - 20:37

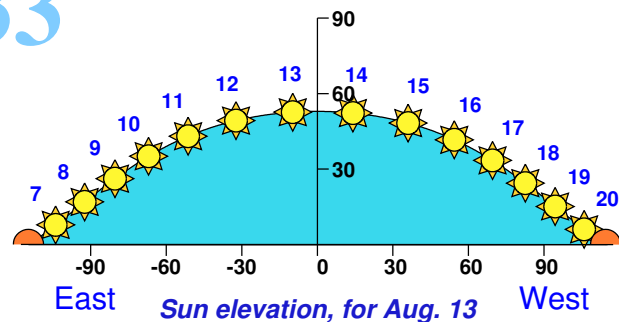
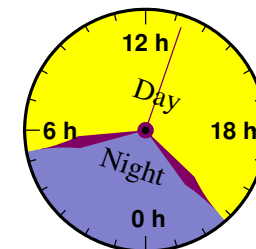
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20

14:28 **-2 m.** 51°**231 - 134**

06:11 - 20:35

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20

14:24 **-3 m.** 51°*Duration of the day - Variation - Sun maximal elevation (°)*

Week **33****May 2018**
Katlenburg-Lindau
 10.099°E, 51.682°N


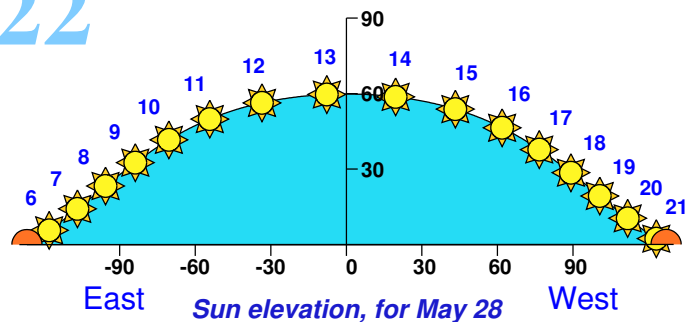
Duration of the day, for May 21

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

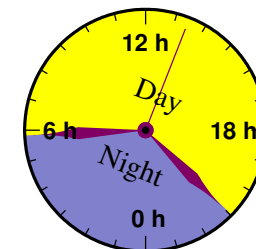
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

225 - 140 06:01 - 20:47				145 - 220 05:14 - 21:20		
226 - 139 06:03 - 20:45				146 - 219 05:13 - 21:21		
227 - 138 06:04 - 20:43				147 - 218 05:12 - 21:22		
228 - 137 06:06 - 20:41						
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
14:46	-3 m.	53°		16:06	+3 m.	59°
14:42	-3 m.	53°		16:08	+2 m.	59°
14:39	-3 m.	52°		16:10	+2 m.	60°
14:35	-3 m.	52°				

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

Week **22****August 2018****Katlenburg-Lindau**

10.099°E, 51.682°N



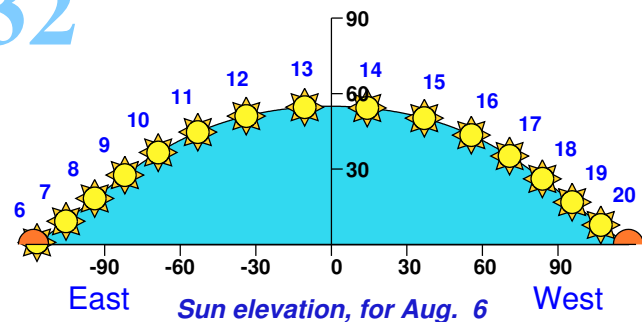
Duration of the day, for Aug. 6

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

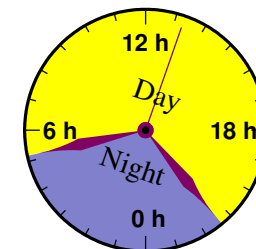
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

148 - 217 05:11 - 21:24				222 - 143 05:57 - 20:53		
149 - 216 05:10 - 21:25				223 - 142 05:58 - 20:51		
150 - 215 05:09 - 21:26				224 - 141 06:00 - 20:49		
151 - 214 05:08 - 21:27						
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
16:13 +2 m. 60°	16:15 +2 m. 60°	16:17 +2 m. 60°	16:19 +2 m. 60°	14:56 -3 m. 54°	14:53 -2 m. 54°	14:49 -3 m. 53°

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

Week **32****May - June 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL $\pm$ 1 mn)**218 - 147**

05:50 - 21:00

219 - 146

05:52 - 20:58

220 - 145

05:53 - 20:56

221 - 144

05:55 - 20:55

152 - 213

05:08 - 21:28

153 - 212

05:07 - 21:29

154 - 211

05:06 - 21:30

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

15:10 -2 m. 55°

15:07 -3 m. 55°

15:03 -3 m. 54°

15:00 -2 m. 54°

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

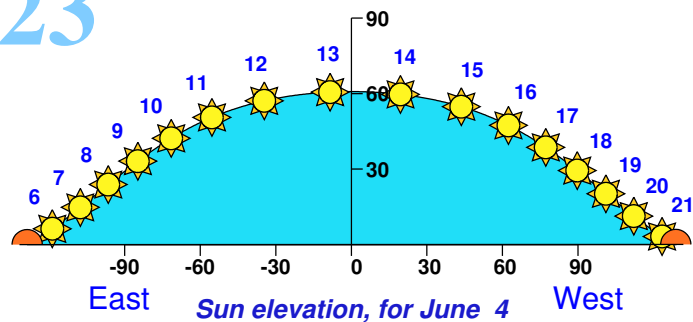
16:21 +2 m. 60°

16:23 +2 m. 61°

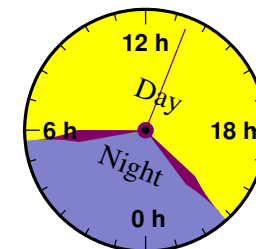
16:25 +1 m.

61°

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

Week **23****July - Aug. 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***155 - 210**

05:05 - 21:31

156 - 209

05:05 - 21:32

157 - 208

05:04 - 21:33

158 - 207

05:04 - 21:34

215 - 150

05:46 - 21:05

216 - 149

05:47 - 21:04

217 - 148

05:49 - 21:02

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

16:26 +2 m. 61°

16:28 +2 m. 61°

16:29 +1 m. 61°

16:31 +2 m. 61°

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

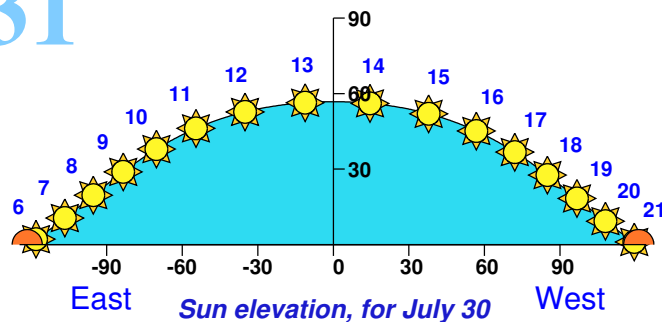
15:20 -2 m. 56°

15:17 -3 m. 56°

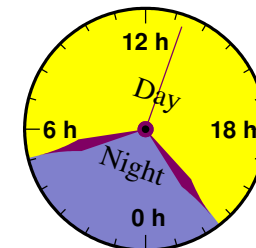
15:13 -3 m. 55°

55°

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

Week **31****June 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***211 - 154**

05:40 - 21:12

212 - 153

05:41 - 21:10

213 - 152

05:43 - 21:09

214 - 151

05:44 - 21:07

159 - 206

05:03 - 21:35

160 - 205

05:03 - 21:36

161 - 204

05:02 - 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

15:32 -2 m. 57°

15:29 -2 m. 57°

15:26 -2 m. 56°

15:23 -2 m. 56°

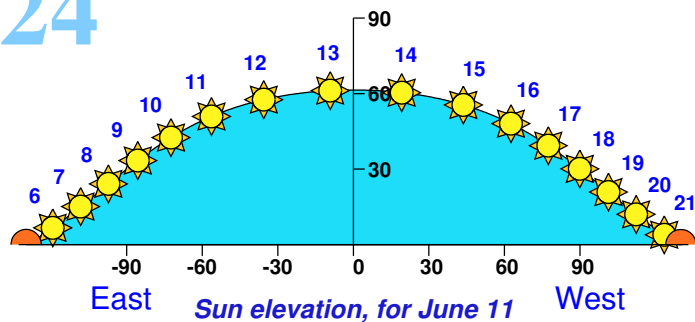
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20

16:32 +1 m. 61°

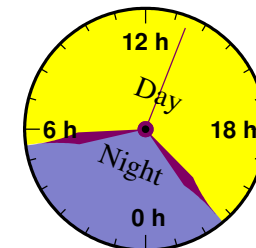
16:33 +1 m. 61°

16:34 +1 m. 61°

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

Week **24****July 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***162 - 203**

05:02 - 21:37

8
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20

16:35 +1 m. 61°

163 - 202

05:02 - 21:38

8
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14
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18
19
20

16:36 +1 m. 61°

164 - 201

05:01 - 21:39

8
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13
14
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16
17
18
19
20

16:37 +1 m. 62°

165 - 200

05:01 - 21:39

8
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19
20

16:38 +1 m. 62°

208 - 157

05:35 - 21:17

8
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19
20

15:42 -2 m. 57°

209 - 156

05:37 - 21:15

8
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19
20

15:39 -3 m. 57°

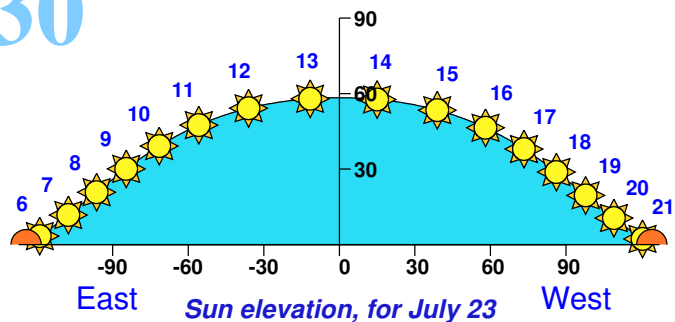
210 - 155

05:38 - 21:13

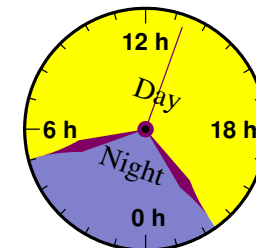
8
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15:35 -3 m. 57°

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

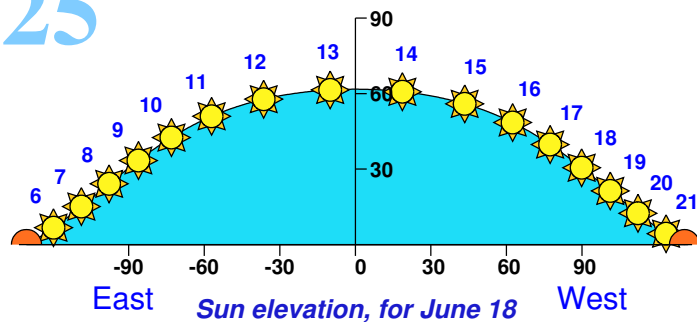
Week **30****June 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

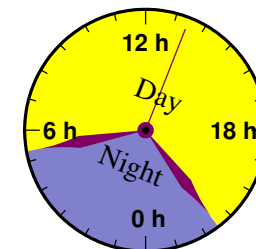
*Duration of the day, for June 11*
Monday 23 **Tuesday 24** **Wednesday 25** **Thursday 26**
Friday 15 **Saturday 16** **Sunday 17**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

204 - 161 05:29 - 21:22				166 - 199 05:01 - 21:40		
205 - 160 05:31 - 21:21				167 - 198 05:01 - 21:40		
206 - 159 05:32 - 21:19				168 - 197 05:01 - 21:41		
207 - 158 05:34 - 21:18						
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
15:53 -2 m. 58°	15:50 -2 m. 58°	15:47 -2 m. 58°	15:44 -2 m. 58°	16:39 +1 m. 62°	16:39 +0 m. 62°	16:40 +1 m. 62°

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

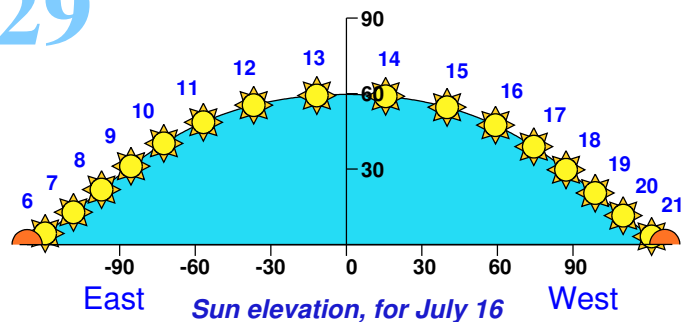
Week **25****July 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

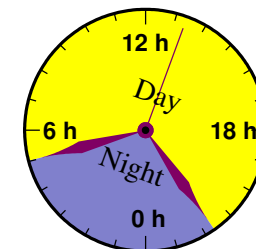
*Duration of the day, for July 16*
Monday 18 **Tuesday 19** **Wednesday 20** **Thursday 21**
Friday 20 **Saturday 21** **Sunday 22**
Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)

169 - 196 05:01 - 21:41				201 - 164 05:25 - 21:26		
170 - 195 05:01 - 21:41				202 - 163 05:27 - 21:25		
171 - 194 05:01 - 21:42				203 - 162 05:28 - 21:24		
172 - 193 05:01 - 21:42						
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
16:40 <i>+0 m.</i> 62°	16:40 <i>+0 m.</i> 62°	16:41 <i>+0 m.</i> 62°	16:41 <i>+0 m.</i> 62°	16:01 <i>-1 m.</i> 59°	15:58 <i>-2 m.</i> 59°	15:56 <i>-2 m.</i> 59°

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

Week **29****June 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***197 - 168**

05:20 - 21:31

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19
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16:10 -1 m. 60°

198 - 167

05:22 - 21:30

8
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14
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16
17
18
19
20

16:08 -1 m. 59°

199 - 166

05:23 - 21:28

8
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14
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16
17
18
19
20

16:06 -2 m. 59°

200 - 165

05:24 - 21:27

8
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14
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16
17
18
19
20

16:03 -2 m. 59°

173 - 192

05:02 - 21:42

8
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19
20

16:40 +0 m. 62°

174 - 191

05:02 - 21:42

8
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19
20

16:40 +0 m. 62°

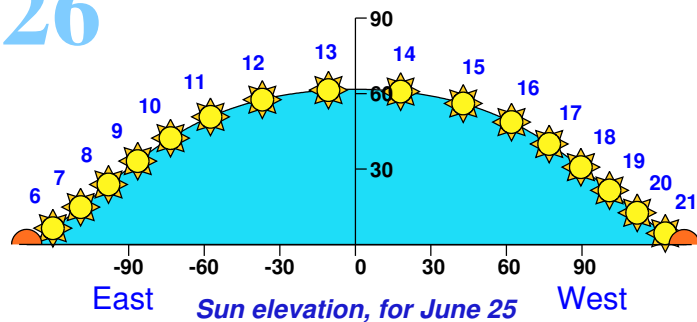
175 - 190

05:02 - 21:42

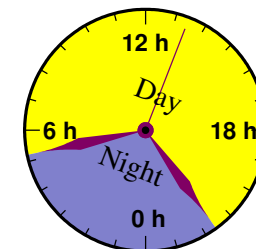
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16
17
18
19
20

16:40 +0 m. 62°

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

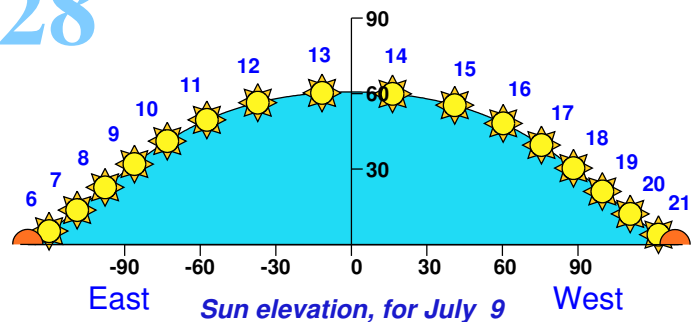
Week **26****July 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

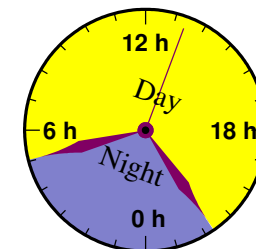
*Duration of the day, for July 9*Monday **25** Tuesday **26** Wednesday **27** Thursday **28**Friday **13** Saturday **14** Sunday **15***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

176 - 189 05:03 - 21:42				177 - 188 05:03 - 21:42			178 - 187 05:03 - 21:42			179 - 186 05:04 - 21:42			194 - 171 05:17 - 21:34			195 - 170 05:18 - 21:33			196 - 169 05:19 - 21:32		
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		
16:40	+0 m.	62°		16:39	+0 m.	62°	16:39	+0 m.	62°	16:38	+0 m.	62°	16:17	-1 m.	60°	16:15	-1 m.	60°	16:13	-2 m.	60°

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

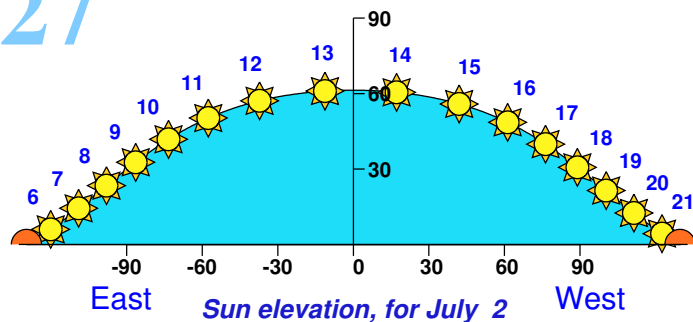
Week **28****June - July 2018****Katlenburg-Lindau**

10.099°E, 51.682°N

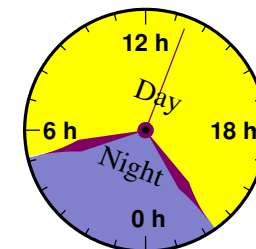
*Duration of the day, for June 25***Monday 9 Tuesday 10 Wednesday 11 Thursday 12****Friday 29 Saturday 30 Sunday 1***Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn)*

190 - 175 05:13 - 21:37				180 - 185 05:05 - 21:42		
191 - 174 05:14 - 21:36				181 - 184 05:05 - 21:41		
192 - 173 05:15 - 21:35				182 - 183 05:06 - 21:41		
193 - 172 05:16 - 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
16:24 -1 m. 61°	16:23 -1 m. 61°	16:21 -1 m. 60°	16:19 -1 m. 60°	16:37 +0 m. 62°	16:36 +0 m. 61°	16:35 +0 m. 61°

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

Week **27****July 2018****Katlenburg-Lindau**

10.099°E, 51.682°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 Katlenburg-Lindau (TL ± 1 mn)***183 - 182**

05:07 - 21:41

184 - 181

05:07 - 21:40

185 - 180

05:08 - 21:40

186 - 179

05:09 - 21:39

187 - 178

05:10 - 21:39

188 - 177

05:11 - 21:38

189 - 176

05:12 - 21:38

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

16:34 +0 m. 61°

16:33 +0 m. 61°

16:32 +0 m. 61°

16:31 -1 m. 61°

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

16:29 -1 m. 61°

16:28 +0 m. 61°

16:26 -1 m. 61°

61°

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