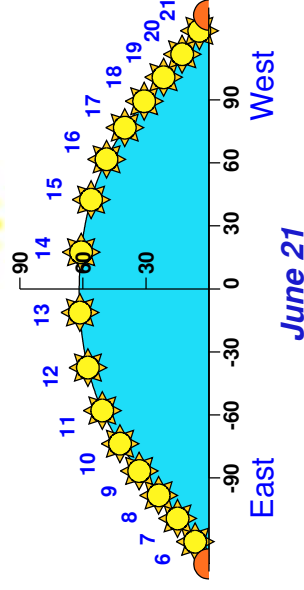


Sun Calendar 2022

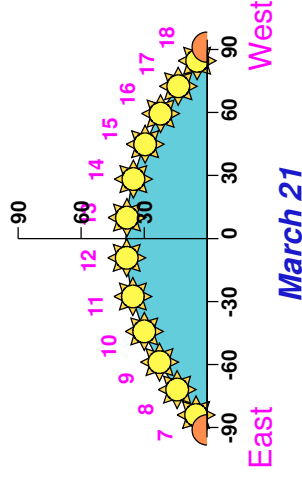
Produced by *ScientiDev*
www.scientidev.fr



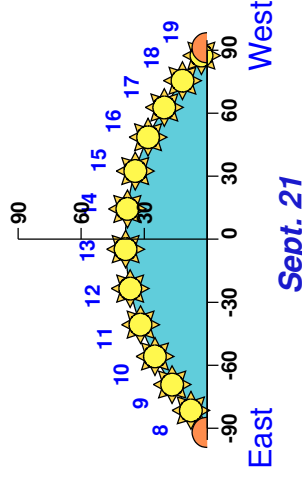
Summer



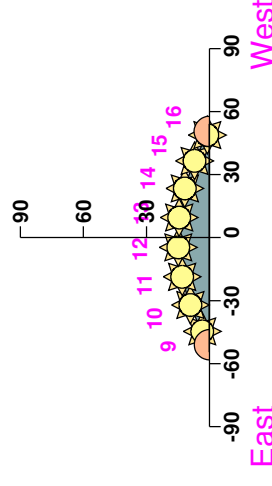
Spring



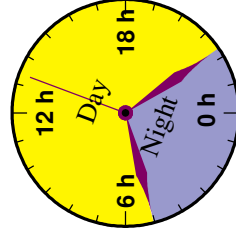
Autumn



Winter

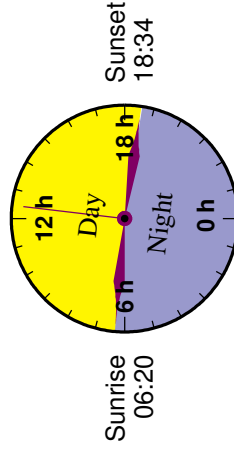


Day duration 16:40



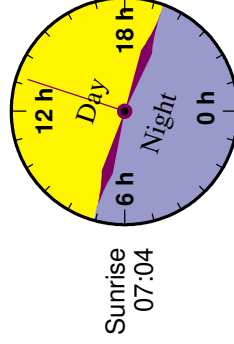
Summer Solstice

Day duration 12:14



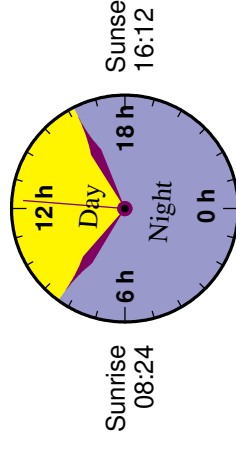
Spring Equinox

Day duration 12:17



Autumn Equinox

Day duration 7:47



Katlenburg-Lindau

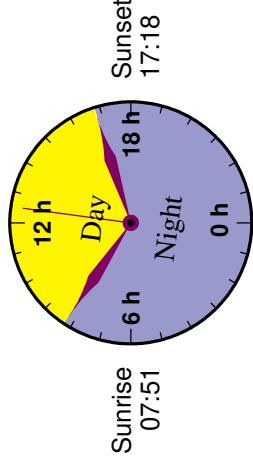
10.1°E, 51.68°N

East Sun elevation, for Jan. 21 West

90 60 30 0 30 60 90

9 10 11 12 13 14 15 16

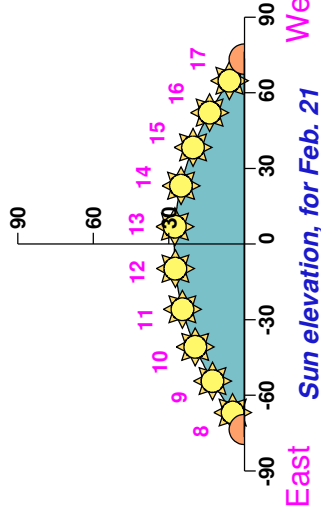
10.1°E, 51.68°N



Duration of the day, for January 21

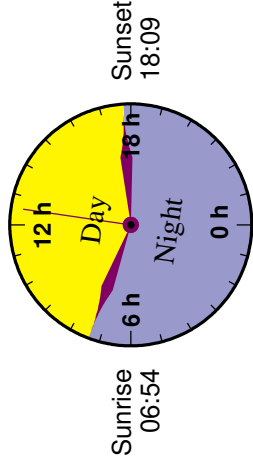
1 2 3 4 5

February 2022



Katlenburg-Lindau

10.1°E, 51.68°N



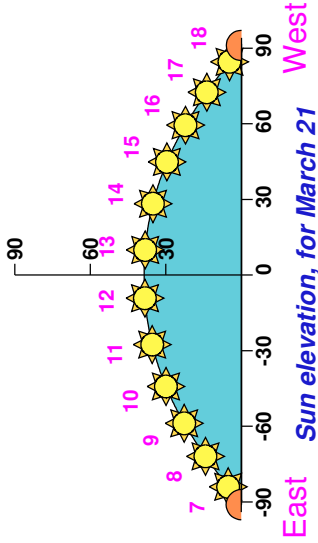
East Sun elevation, for Feb. 21

Duration of the day, for February 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

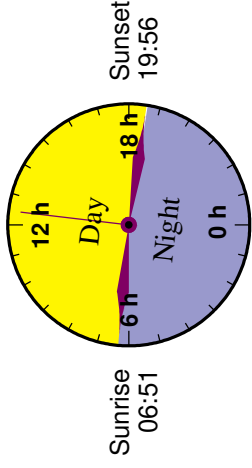
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
738 - 327 07:49 - 17:20 23°	132 - 333 07:59 - 17:09 21°	233 - 332 07:57 - 17:10 22°	334 - 331 07:56 - 17:12 22°	435 - 330 07:54 - 17:14 22°	536 - 329 07:52 - 17:16 23°	637 - 328 07:51 - 17:18 23°
1445 - 320 07:36 - 17:32 25°	839 - 326 07:47 - 17:21 23°	940 - 325 07:45 - 17:23 24°	1041 - 324 07:44 - 17:25 24°	1142 - 323 07:42 - 17:27 24°	1243 - 322 07:40 - 17:29 25°	1344 - 321 07:38 - 17:31 25°
2152 - 313 07:22 - 17:45 28°	1546 - 319 07:34 - 17:34 26°	1647 - 318 07:32 - 17:36 26°	1748 - 317 07:30 - 17:38 26°	1849 - 316 07:28 - 17:40 27°	1950 - 315 07:26 - 17:42 27°	2051 - 314 07:24 - 17:43 28°
2859 - 306 07:08 - 17:58 30°	2253 - 312 07:20 - 17:47 28°	2354 - 311 07:18 - 17:49 29°	2455 - 310 07:16 - 17:51 29°	2556 - 309 07:14 - 17:53 29°	2657 - 308 07:12 - 17:54 30°	2758 - 307 07:10 - 17:56 30°

March 2022



Katlenburg-Lindau

10.1°E, 51.68°N



Sun elevation, for March 21

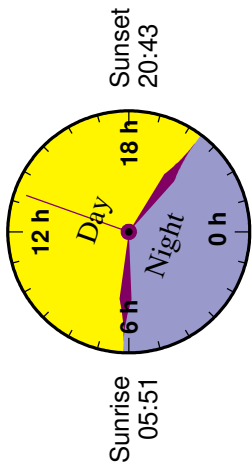
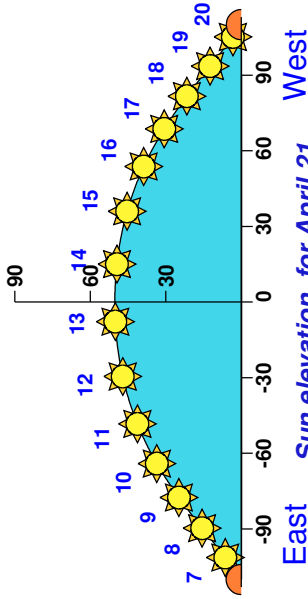
Duration of the day, for March 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

Time change March 27

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
7	66 - 299 06:52 - 18:10 33°	1	60 - 305 07:05 - 18:00 31°	2	61 - 304 07:03 - 18:01 31°	3	62 - 303 07:01 - 18:03 32°	4	63 - 302 06:59 - 18:05 32°	5	64 - 301 06:57 - 18:07 32°	6	65 - 300 06:54 - 18:09 33°
14	73 - 292 06:36 - 18:22 36°	8	67 - 298 06:50 - 18:12 34°	9	68 - 297 06:48 - 18:14 34°	10	69 - 296 06:46 - 18:16 34°	11	70 - 295 06:43 - 18:17 35°	12	71 - 294 06:41 - 18:19 35°	13	72 - 293 06:39 - 18:21 36°
21	80 - 285 06:20 - 18:34 39°	15	74 - 291 06:34 - 18:24 36°	16	75 - 290 06:32 - 18:26 37°	17	76 - 289 06:30 - 18:28 37°	18	77 - 288 06:27 - 18:29 37°	19	78 - 287 06:25 - 18:31 38°	20	79 - 286 06:23 - 18:33 38°
28	87 - 278 07:04 - 19:46 41°	22	81 - 284 06:18 - 18:36 39°	23	82 - 283 06:16 - 18:38 39°	24	83 - 282 06:14 - 18:40 40°	25	84 - 281 06:11 - 18:41 40°	26	85 - 280 06:09 - 18:43 41°	27	86 - 279 07:07 - 19:45 41°

April 2022



Katlenburg-Lindau

10.1°E, 51.68°N

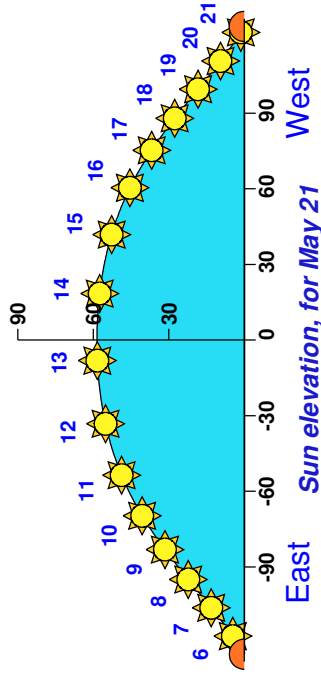
East Sun elevation, for April 21 West

Duration of the day, for April 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

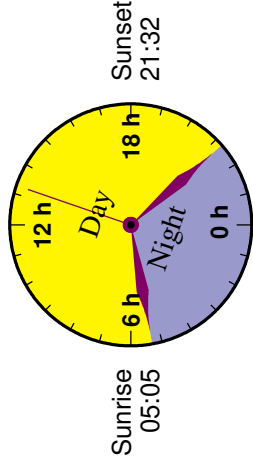
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
4 94 - 271 06:48 - 19:58 44°	5 95 - 270 06:46 - 20:00 45°	6 96 - 269 06:44 - 20:02 45°	7 97 - 268 06:42 - 20:03 45°	1 91 - 274 06:55 - 19:53 43°	2 92 - 273 06:53 - 19:55 43°	3 93 - 272 06:51 - 19:56 44°
11 101 - 264 06:33 - 20:10 47°	12 102 - 263 06:31 - 20:12 47°	13 103 - 262 06:28 - 20:13 47°	14 104 - 261 06:26 - 20:15 48°	8 98 - 267 06:39 - 20:05 46°	9 99 - 266 06:37 - 20:07 46°	10 100 - 265 06:35 - 20:08 46°
18 108 - 257 06:18 - 20:22 49°	19 109 - 256 06:16 - 20:23 50°	20 110 - 255 06:13 - 20:25 50°	21 111 - 254 06:11 - 20:27 50°	15 105 - 260 06:24 - 20:17 48°	16 106 - 259 06:22 - 20:18 49°	17 107 - 258 06:20 - 20:20 49°
25 115 - 250 06:03 - 20:33 52°	26 116 - 249 06:01 - 20:35 52°	27 117 - 248 05:59 - 20:37 52°	28 118 - 247 05:57 - 20:39 53°	22 112 - 253 06:09 - 20:28 51°	23 113 - 252 06:07 - 20:30 51°	24 114 - 251 06:05 - 20:32 51°

May 2022



Katlenburg-Lindau

10.1°E, 51.68°N

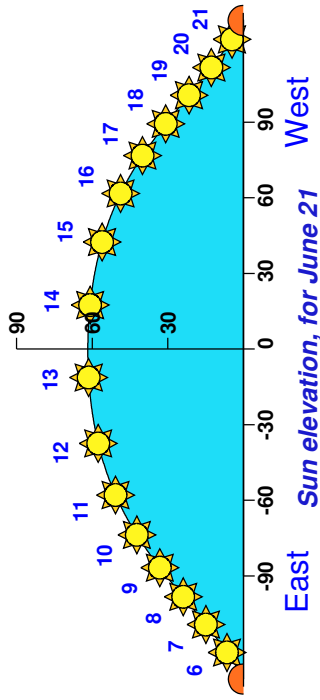


Duration of the day, for May 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

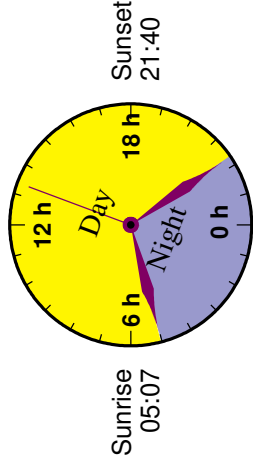
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
17							
18							
19							
20							
21							
22							

June 2022



Katlenburg-Lindau

10.1°E, 51.68°N



Duration of the day, for June 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

East Sun elevation, for June 21 West

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

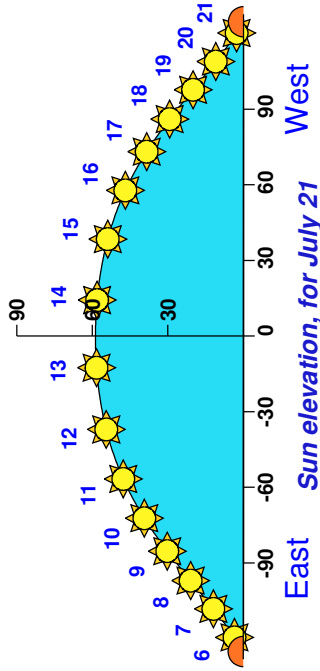
24

25

26

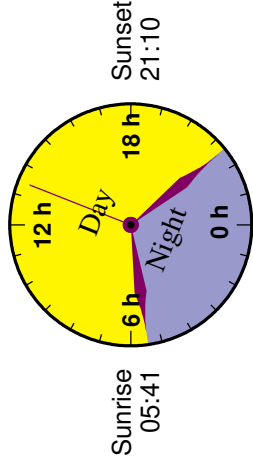
6 157 - 208 05:04 - 21:33 61°	7 158 - 207 05:04 - 21:34 61°	1 152 - 213 05:08 - 21:28 60°	2 153 - 212 05:07 - 21:29 61°	3 154 - 211 05:06 - 21:30 61°	4 155 - 210 05:05 - 21:31 61°	5 156 - 209 05:05 - 21:32 61°
13 164 - 201 05:01 - 21:39 62°	14 165 - 200 05:01 - 21:39 62°	8 159 - 206 05:03 - 21:35 61°	9 160 - 205 05:03 - 21:36 61°	10 161 - 204 05:02 - 21:37 61°	11 162 - 203 05:02 - 21:37 61°	12 163 - 202 05:02 - 21:38 61°
20 171 - 194 05:01 - 21:42 62°	21 172 - 193 05:01 - 21:42 62°	15 166 - 199 05:01 - 21:40 62°	16 167 - 198 05:01 - 21:40 62°	17 168 - 197 05:01 - 21:41 62°	18 169 - 196 05:01 - 21:41 62°	19 170 - 195 05:01 - 21:41 62°
27 178 - 187 05:03 - 21:42 62°	28 179 - 186 05:04 - 21:42 62°	22 173 - 192 05:02 - 21:42 62°	23 174 - 191 05:02 - 21:42 62°	24 175 - 190 05:02 - 21:42 62°	25 176 - 189 05:03 - 21:42 62°	26 177 - 188 05:03 - 21:42 62°

July 2022



Katlenburg-Lindau

10.1°E, 51.68°N



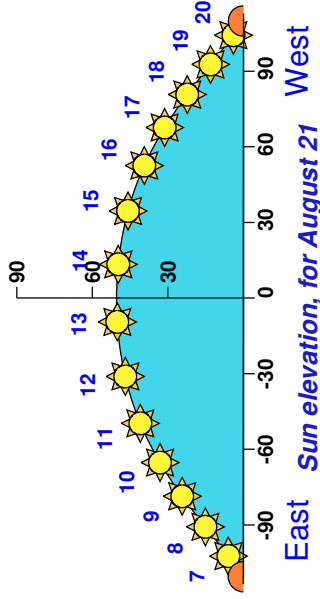
Sun elevation, for July 21

Duration of the day, for July 21

Sunrise and Sunset at Katlenburg-Lindau (TL $\pm$ 1 mn) and sun maximal elevation (°)

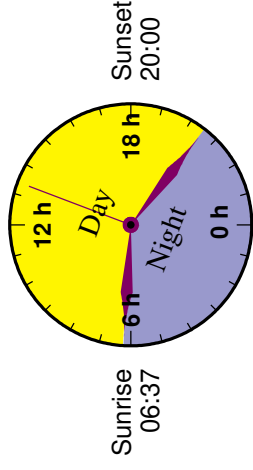
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
4	185 - 180 05:08 - 21:40 61°	5	186 - 179 05:09 - 21:39 61°	6	187 - 178 05:10 - 21:39 61°	7	188 - 177 05:11 - 21:38 61°	8	189 - 176 05:12 - 21:38 61°	2	183 - 182 05:07 - 21:41 61°	3	184 - 181 05:07 - 21:40 61°
11	192 - 173 05:15 - 21:35 60°	12	193 - 172 05:16 - 21:34 60°	13	194 - 171 05:17 - 21:34 60°	14	195 - 170 05:18 - 21:33 60°	15	196 - 169 05:19 - 21:32 60°	9	190 - 175 05:13 - 21:37 61°	10	191 - 174 05:14 - 21:36 61°
18	199 - 166 05:23 - 21:28 59°	19	200 - 165 05:24 - 21:27 59°	20	201 - 164 05:25 - 21:26 59°	21	202 - 163 05:27 - 21:25 59°	22	203 - 162 05:28 - 21:23 59°	23	204 - 161 05:30 - 21:22 58°	24	205 - 160 05:31 - 21:21 58°
25	206 - 159 05:32 - 21:19 58°	26	207 - 158 05:34 - 21:18 58°	27	208 - 157 05:35 - 21:16 57°	28	209 - 156 05:37 - 21:15 57°	29	210 - 155 05:38 - 21:13 57°	30	211 - 154 05:40 - 21:12 57°	31	212 - 153 05:41 - 21:10 57°

August 2022



Katlenburg-Lindau

10.1°E, 51.68°N



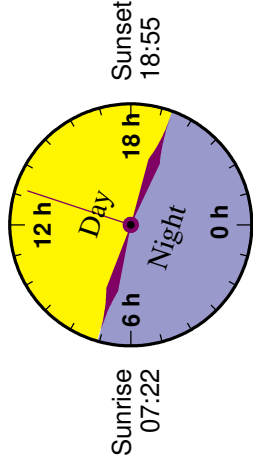
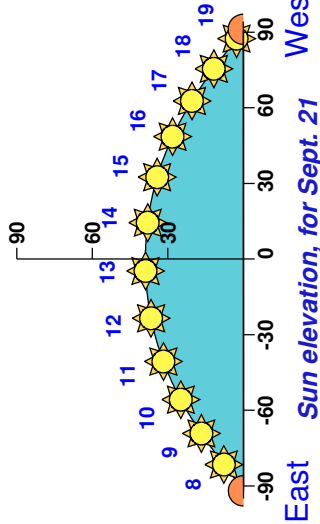
Sun elevation, for August 21

Duration of the day, for August 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1	213 - 152 05:43 - 21:09 56°	2	214 - 151 05:44 - 21:07 56°	3	215 - 150 05:46 - 21:05 56°	4	216 - 149 05:47 - 21:04 56°	5	217 - 148 05:49 - 21:02 55°	6	218 - 147 05:50 - 21:00 55°	7	219 - 146 05:52 - 20:58 55°
8	220 - 145 05:53 - 20:56 54°	9	221 - 144 05:55 - 20:55 54°	10	222 - 143 05:57 - 20:53 54°	11	223 - 142 05:58 - 20:51 54°	12	224 - 141 06:00 - 20:49 53°	13	225 - 140 06:01 - 20:47 53°	14	226 - 139 06:03 - 20:45 53°
15	227 - 138 06:05 - 20:43 52°	16	228 - 137 06:06 - 20:41 52°	17	229 - 136 06:08 - 20:39 52°	18	230 - 135 06:09 - 20:37 51°	19	231 - 134 06:11 - 20:35 51°	20	232 - 133 06:13 - 20:33 51°	21	233 - 132 06:14 - 20:31 50°
22	234 - 131 06:16 - 20:28 50°	23	235 - 130 06:17 - 20:26 50°	24	236 - 129 06:19 - 20:24 49°	25	237 - 128 06:21 - 20:22 49°	26	238 - 127 06:22 - 20:20 49°	27	239 - 126 06:24 - 20:18 48°	28	240 - 125 06:25 - 20:16 48°
29	241 - 124 06:27 - 20:13 48°	30	242 - 123 06:29 - 20:11 47°	31	243 - 122 06:30 - 20:09 47°								

September 2022



Katlenburg-Lindau

10.1°E, 51.68°N

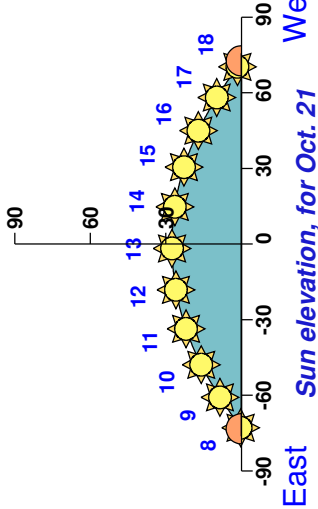
East Sun elevation, for Sept. 21 **West**

Duration of the day, for September 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

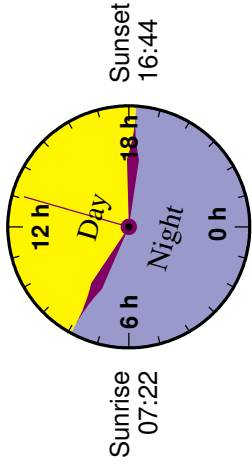
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
35	36	37	38	39		
5 248 - 117 06:38 - 19:58 45°	6 249 - 116 06:40 - 19:55 45°	7 250 - 115 06:41 - 19:53 44°	1 244 - 121 06:32 - 20:07 47°	2 245 - 120 06:33 - 20:04 46°	3 246 - 119 06:35 - 20:02 46°	4 247 - 118 06:37 - 20:00 45°
12 255 - 110 06:49 - 19:42 42°	13 256 - 109 06:51 - 19:39 42°	14 257 - 108 06:53 - 19:37 42°	8 251 - 114 06:43 - 19:51 44°	9 252 - 113 06:45 - 19:48 44°	10 253 - 112 06:46 - 19:46 43°	11 254 - 111 06:48 - 19:44 43°
19 262 - 103 07:01 - 19:25 40°	20 263 - 102 07:02 - 19:23 39°	21 264 - 101 07:04 - 19:21 39°	15 258 - 107 06:54 - 19:35 41°	16 259 - 106 06:56 - 19:32 41°	17 260 - 105 06:58 - 19:30 41°	18 261 - 104 06:59 - 19:28 40°
26 269 - 96 07:12 - 19:09 37°	27 270 - 95 07:14 - 19:07 37°	28 271 - 94 07:15 - 19:05 36°	22 265 - 100 07:06 - 19:18 39°	23 266 - 99 07:07 - 19:16 38°	24 267 - 98 07:09 - 19:14 38°	25 268 - 97 07:10 - 19:11 37°

October 2022



Katlenburg-Lindau

10.1°E, 51.68°N



Sun elevation, for Oct. 21

Duration of the day, for October 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

Time change October 30

Sunday

Saturday

Friday

Thursday

Wednesday

Tuesday

Monday

1	274 - 91 07:20 - 18:58 35°	2	275 - 90 07:22 - 18:55 35°
8	281 - 84 07:32 - 18:42 32°	9	282 - 83 07:34 - 18:40 32°
15	288 - 77 07:44 - 18:26 30°	16	289 - 76 07:45 - 18:24 29°
22	295 - 70 07:56 - 18:12 27°	23	296 - 69 07:58 - 18:10 27°
29	302 - 63 08:08 - 17:58 25°	30	303 - 62 07:10 - 16:56 25°

39

40

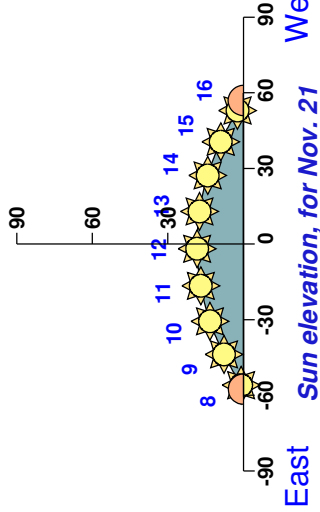
41

42

43

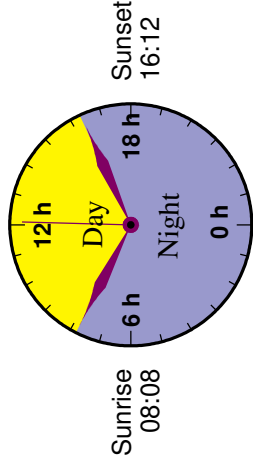
44

November 2022



Katlenburg-Lindau

10.1°E, 51.68°N



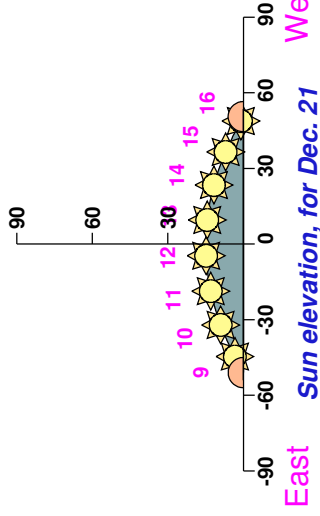
East West

Duration of the day, for November 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

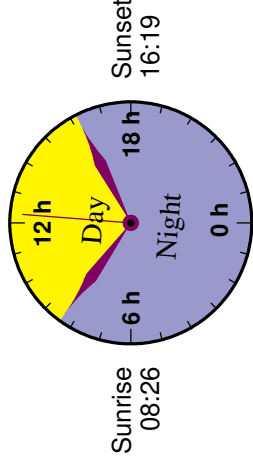
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7 311 - 54 07:24 - 16:42 22°	1 305 - 60 07:14 - 16:52 24°	2 306 - 59 07:15 - 16:51 24°	3 307 - 58 07:17 - 16:49 23°	4 308 - 57 07:19 - 16:47 23°	5 309 - 56 07:21 - 16:45 23°	6 310 - 55 07:22 - 16:44 22°
14 318 - 47 07:36 - 16:31 20°	8 312 - 53 07:26 - 16:40 22°	9 313 - 52 07:28 - 16:39 21°	10 314 - 51 07:29 - 16:37 21°	11 315 - 50 07:31 - 16:36 21°	12 316 - 49 07:33 - 16:34 21°	13 317 - 48 07:35 - 16:33 20°
21 325 - 40 07:48 - 16:22 18°	15 319 - 46 07:38 - 16:30 20°	16 320 - 45 07:40 - 16:29 20°	17 321 - 44 07:42 - 16:27 19°	18 322 - 43 07:43 - 16:26 19°	19 323 - 42 07:45 - 16:25 19°	20 324 - 41 07:47 - 16:24 19°
28 332 - 33 07:59 - 16:16 17°	22 326 - 39 07:50 - 16:21 18°	23 327 - 38 07:52 - 16:20 18°	24 328 - 37 07:53 - 16:19 18°	25 329 - 36 07:55 - 16:18 18°	26 330 - 35 07:56 - 16:17 17°	27 331 - 34 07:58 - 16:16 17°

December 2022



Katlenburg-Lindau

10.1°E, 51.68°N



East West

Duration of the day, for December 21

Sunrise and Sunset at Katlenburg-Lindau (TL ± 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5 339 - 26 08:09 - 16:11 16°	6 340 - 25 08:10 - 16:11 16°	7 341 - 24 08:12 - 16:11 16°	1 335 - 30 08:04 - 16:13 17°	2 336 - 29 08:05 - 16:13 16°	3 337 - 28 08:06 - 16:12 16°	4 338 - 27 08:08 - 16:12 16°
12 346 - 19 08:17 - 16:10 15°	13 347 - 18 08:18 - 16:10 15°	14 348 - 17 08:19 - 16:10 15°	8 342 - 23 08:13 - 16:10 16°	9 343 - 22 08:14 - 16:10 16°	10 344 - 21 08:15 - 16:10 15°	11 345 - 20 08:16 - 16:10 15°
19 353 - 12 08:23 - 16:11 15°	20 354 - 11 08:23 - 16:11 15°	21 355 - 10 08:24 - 16:12 15°	15 349 - 16 08:20 - 16:10 15°	16 350 - 15 08:21 - 16:10 15°	17 351 - 14 08:21 - 16:10 15°	18 352 - 13 08:22 - 16:11 15°
26 360 - 5 08:26 - 16:15 15°	27 361 - 4 08:26 - 16:16 15°	28 362 - 3 08:26 - 16:16 15°	22 356 - 9 08:24 - 16:12 15°	23 357 - 8 08:25 - 16:13 15°	24 358 - 7 08:25 - 16:13 15°	25 359 - 6 08:26 - 16:14 15°

48

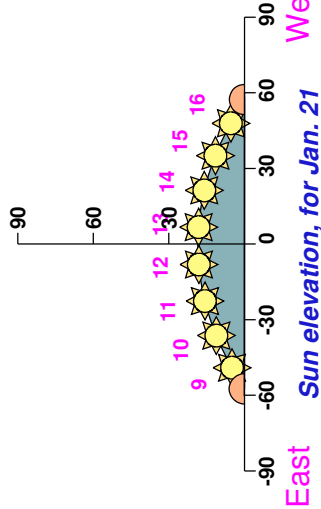
49

50

51

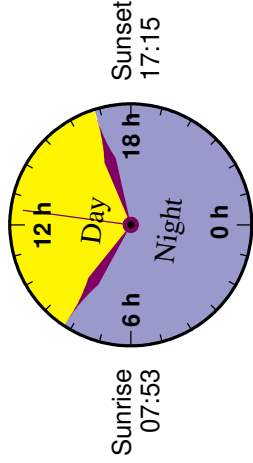
52

January 2023



Katlenburg-Lindau

10.1°E, 51.68°N



Sun elevation, for Jan. 21

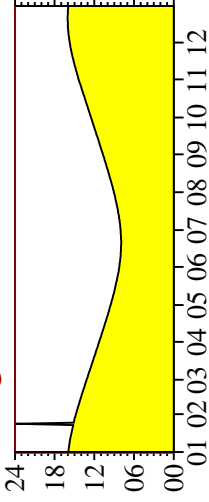
Duration of the day, for January 21

Sunrise and Sunset at Katlenburg-Lindau (TL $\pm$ 1 mn) and sun maximal elevation (°)

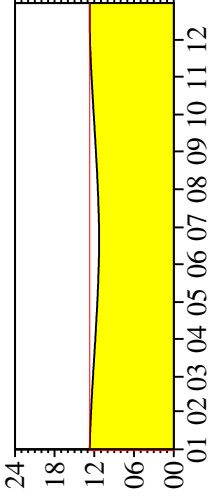
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2 08:26 - 16:21 15°	3 08:26 - 16:22 16°	4 08:26 - 16:24 16°	5 08:25 - 16:25 16°	6 08:25 - 16:26 16°	7 08:25 - 16:27 16°	8 08:24 - 16:29 16°
2	9 08:24 - 16:30 16°	10 08:23 - 16:31 16°	11 08:23 - 16:33 17°	12 08:22 - 16:34 17°	13 08:21 - 16:36 17°	14 08:21 - 16:37 17°	15 08:20 - 16:39 17°
3	16 08:19 - 16:40 17°	17 08:18 - 16:42 18°	18 08:17 - 16:44 18°	19 08:16 - 16:45 18°	20 08:15 - 16:47 18°	21 08:14 - 16:49 18°	22 08:13 - 16:50 19°
4	23 08:12 - 16:52 19°	24 08:10 - 16:54 19°	25 08:09 - 16:56 19°	26 08:08 - 16:57 20°	27 08:06 - 16:59 20°	28 08:05 - 17:01 20°	29 08:04 - 17:03 20°
5	30 08:02 - 17:04 21°	31 08:01 - 17:06 21°					

Day duration for any cities for 2021

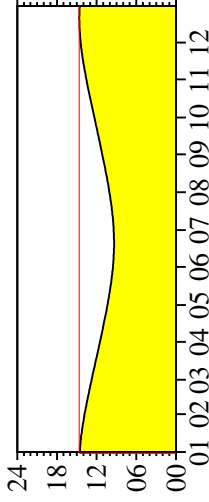
Kerguelen 69.33°E, -49.33°N



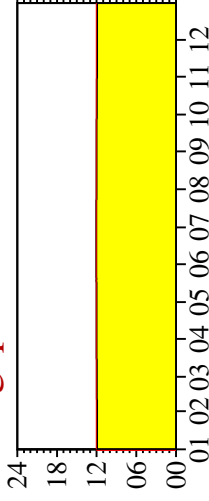
Lima -77.03°E, -12.05°N



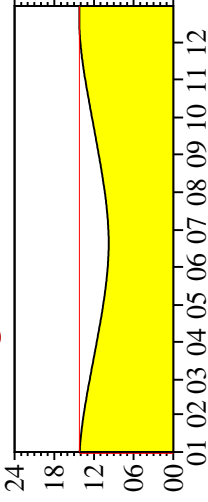
Melbourne 144.97°E, -37.81°N



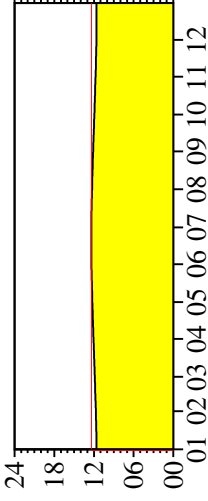
Singapour 103.85°E, 1.03°N



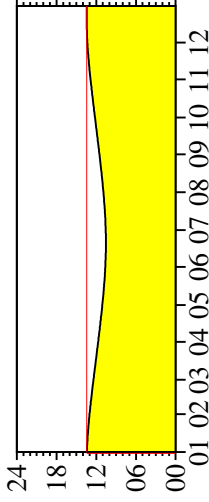
Santiago -70.65°E, -33.43°N



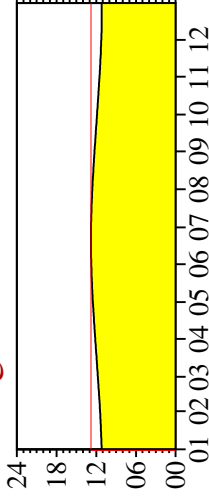
Colombo 79.83°E, 6.92°N



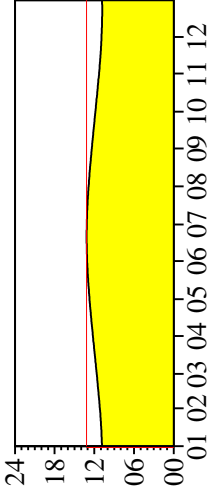
Sao Paulo -46.63°E, -23.55°N



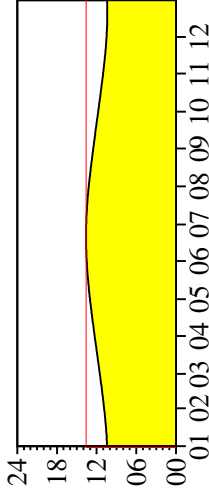
Bangkok 100.49°E, 13.75°N



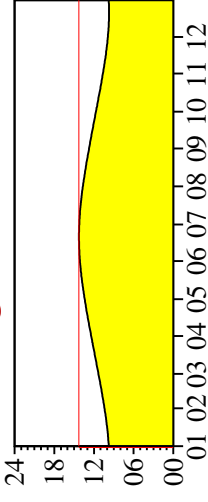
Mexico -99.13°E, 19.43°N



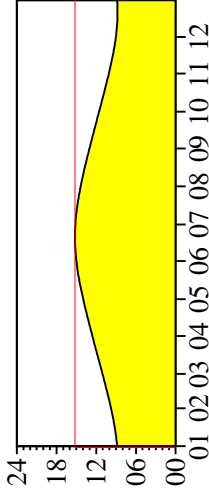
Miami -80.22°E, 25.78°N



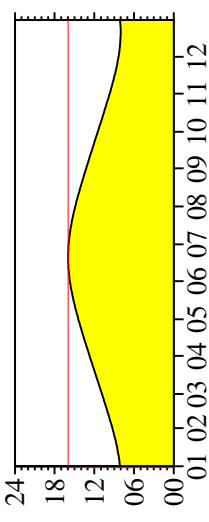
Los Angeles -118.24°E, 34.05°N



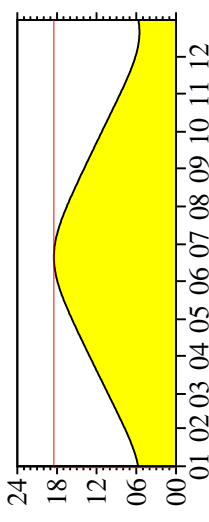
Marseille 5.38°E, 43.3°N



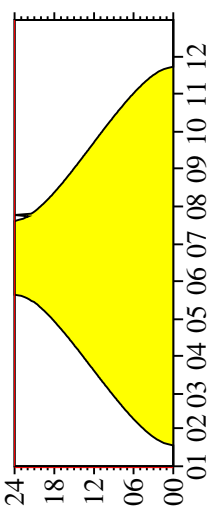
Paris 2.35°E, 48.86°N



Oslo 10.75°E, 59.92°N



Tromso 18.97°E, 69.66°N



Ny Alesund 11.92°E, 78.92°N

