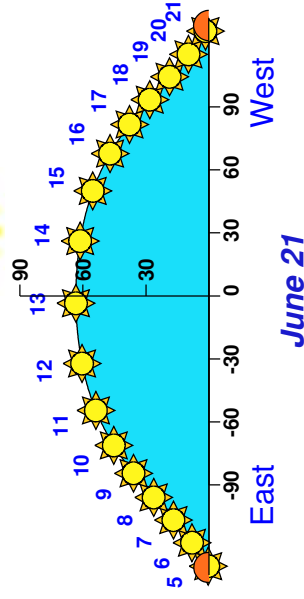


Sun Calendar 2024

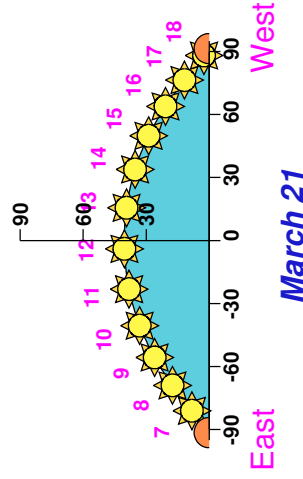
Produced by *ScientiDev*
www.scientidev.fr



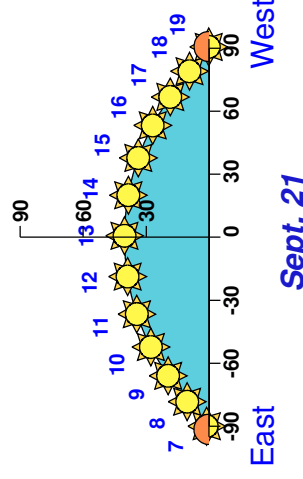
Summer



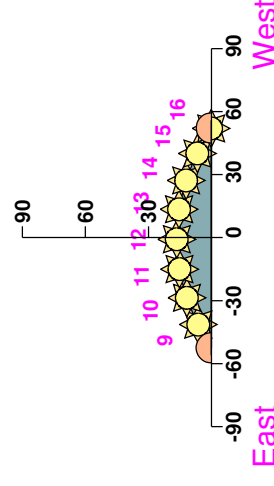
Spring



Autumn



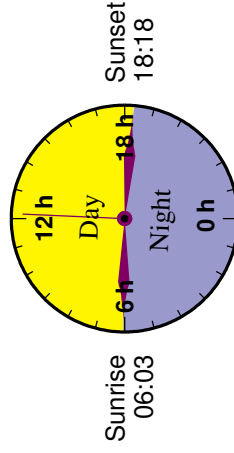
Winter



Prague

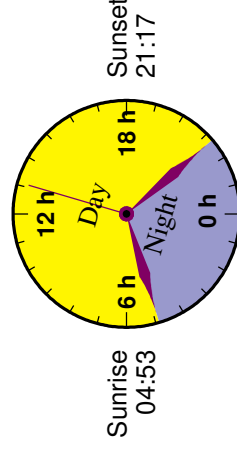
14.25°E, 50.1°N

Day duration 12:15



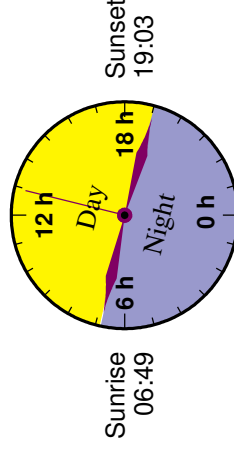
Spring Equinox

Day duration 16:23



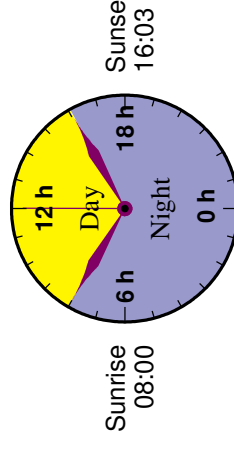
Summer Solstice

Day duration 12:14

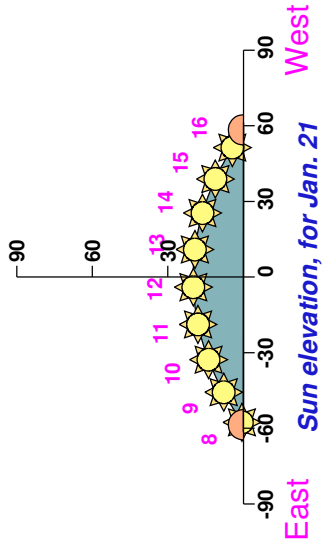


Autumn Equinox

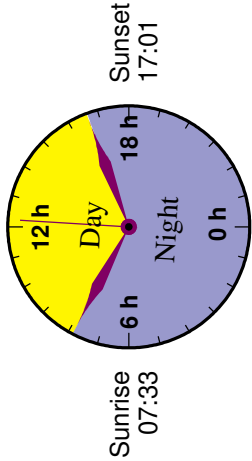
Day duration 8:03



January 2024



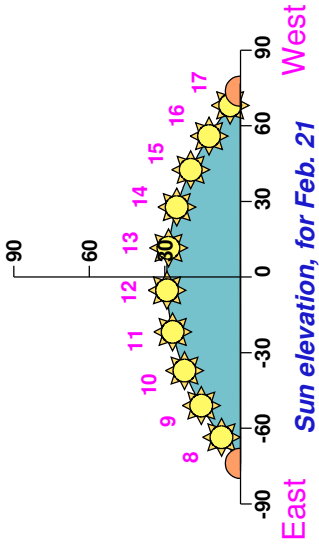
Prague
14.25°E, 50.1°N



Duration of the day, for January 21

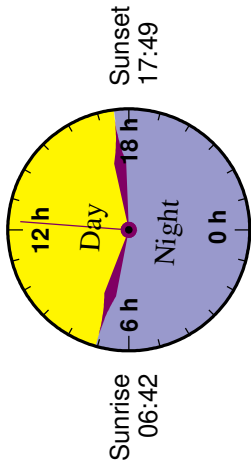
Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 - 365 08:02 - 16:11 17°	2 - 364 08:02 - 16:12 17°	3 - 363 08:02 - 16:13 17°	4 - 362 08:02 - 16:14 17°	5 - 361 08:02 - 16:15 17°	6 - 360 08:01 - 16:16 17°	7 - 359 08:01 - 16:18 18°
2	8 - 358 08:01 - 16:19 18°	9 - 357 08:00 - 16:20 18°	10 - 356 08:00 - 16:22 18°	11 - 355 07:59 - 16:23 18°	12 - 354 07:59 - 16:24 18°	13 - 353 07:58 - 16:26 18°	14 - 352 07:57 - 16:27 19°
3	15 - 351 07:57 - 16:29 19°	16 - 350 07:56 - 16:30 19°	17 - 349 07:55 - 16:32 19°	18 - 348 07:54 - 16:33 19°	19 - 347 07:53 - 16:35 20°	20 - 346 07:52 - 16:36 20°	21 - 345 07:51 - 16:38 20°
4	22 - 344 07:50 - 16:39 20°	23 - 343 07:49 - 16:41 20°	24 - 342 07:48 - 16:43 21°	25 - 341 07:47 - 16:44 21°	26 - 340 07:46 - 16:46 21°	27 - 339 07:45 - 16:48 21°	28 - 338 07:43 - 16:49 22°
5	29 - 337 07:42 - 16:51 22°	30 - 336 07:41 - 16:53 22°	31 - 335 07:39 - 16:54 22°				



February 2024

Prague
14.25°E, 50.1°N



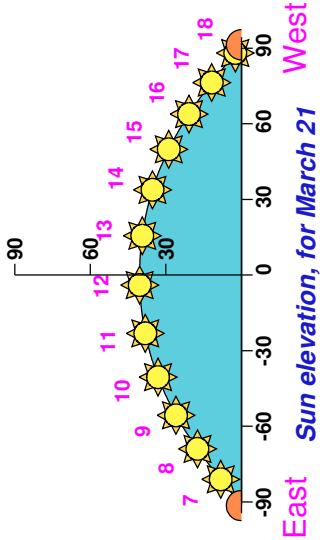
East West

Duration of the day, for February 21

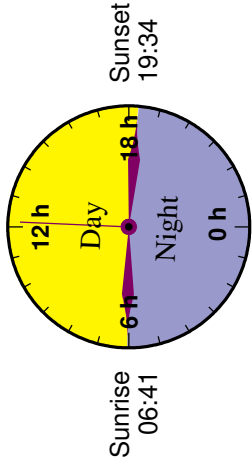
Sunrise and Sunset at Prague (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5 36 - 330 07:32 - 17:03 24°	6 37 - 329 07:30 - 17:05 24°	7 38 - 328 07:29 - 17:06 25°	1 32 - 334 07:38 - 16:56 23°	2 33 - 333 07:36 - 16:58 23°	3 34 - 332 07:35 - 17:00 23°	4 35 - 331 07:33 - 17:01 24°
12 43 - 323 07:20 - 17:15 26°	13 44 - 322 07:19 - 17:17 26°	14 45 - 321 07:17 - 17:19 27°	8 39 - 327 07:27 - 17:08 25°	9 40 - 326 07:25 - 17:10 25°	10 41 - 325 07:24 - 17:12 26°	11 42 - 324 07:22 - 17:13 26°
19 50 - 316 07:08 - 17:27 29°	20 51 - 315 07:06 - 17:29 29°	21 52 - 314 07:04 - 17:31 29°	15 46 - 320 07:15 - 17:20 27°	16 47 - 319 07:13 - 17:22 28°	17 48 - 318 07:11 - 17:24 28°	18 49 - 317 07:09 - 17:25 28°
26 57 - 309 06:54 - 17:39 31°	27 58 - 308 06:52 - 17:41 31°	28 59 - 307 06:50 - 17:42 32°	22 53 - 313 07:02 - 17:32 30°	23 54 - 312 07:00 - 17:34 30°	24 55 - 311 06:58 - 17:36 30°	25 56 - 310 06:56 - 17:37 31°

March 2024



Prague
14.25°E, 50.1°N



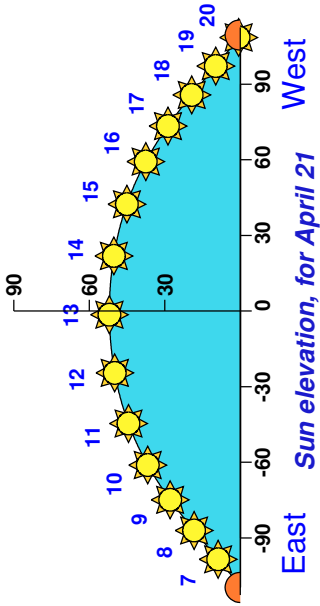
Sun elevation, for March 21

Duration of the day, for March 21

Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

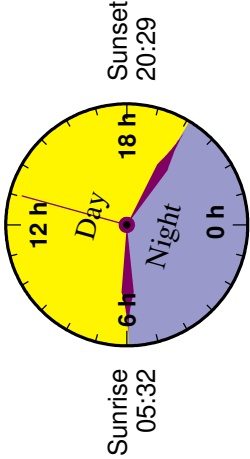
Time change March 31

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9	4 64 - 302 06:40 - 17:51 34°	5 65 - 301 06:38 - 17:52 34°	6 66 - 300 06:35 - 17:54 35°	7 67 - 299 06:33 - 17:56 35°	1 61 - 305 06:46 - 17:46 33°	2 62 - 304 06:44 - 17:47 33°	3 63 - 303 06:42 - 17:49 33°
10	11 71 - 295 06:25 - 18:02 37°	12 72 - 294 06:23 - 18:04 37°	13 73 - 293 06:20 - 18:05 37°	14 74 - 292 06:18 - 18:07 38°	8 68 - 298 06:31 - 17:57 35°	9 69 - 297 06:29 - 17:59 36°	10 70 - 296 06:27 - 18:01 36°
11	18 78 - 288 06:10 - 18:14 39°	19 79 - 287 06:07 - 18:15 40°	20 80 - 286 06:05 - 18:17 40°	21 81 - 285 06:03 - 18:18 40°	15 75 - 291 06:16 - 18:09 38°	16 76 - 290 06:14 - 18:10 38°	17 77 - 289 06:12 - 18:12 39°
12							
13	25 85 - 281 05:54 - 18:25 42°	26 86 - 280 05:52 - 18:26 42°	27 87 - 279 05:50 - 18:28 43°	28 88 - 278 05:48 - 18:29 43°	29 89 - 277 05:46 - 18:31 44°	30 90 - 276 05:43 - 18:33 44°	31 91 - 275 06:41 - 19:34 44°



April 2024

Prague
14.25°E, 50.1°N

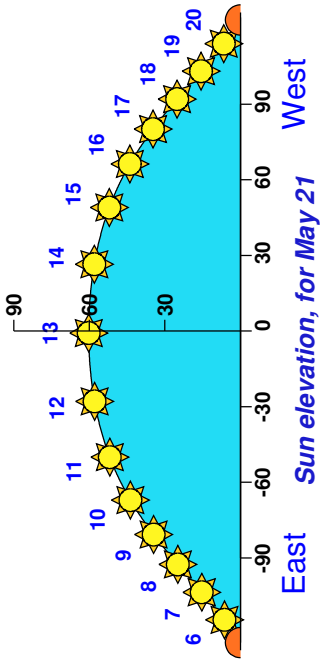


East West
Sun elevation, for April 21

Duration of the day, for April 21

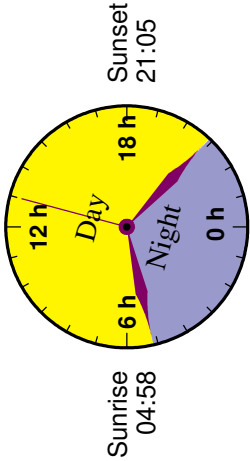
Sunrise and Sunset at Prague (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1	92 - 274 06:39 - 19:36 45°	2	93 - 273 06:37 - 19:37 45°	3	94 - 272 06:35 - 19:39 46°	4	95 - 271 06:33 - 19:40 46°	5	96 - 270 06:30 - 19:42 46°	6	97 - 269 06:28 - 19:44 47°	7	98 - 268 06:26 - 19:45 47°
8	99 - 267 06:24 - 19:47 47°	9	100 - 266 06:22 - 19:48 48°	10	101 - 265 06:20 - 19:50 48°	11	102 - 264 06:18 - 19:52 49°	12	103 - 263 06:16 - 19:53 49°	13	104 - 262 06:14 - 19:55 49°	14	105 - 261 06:11 - 19:56 50°
15	106 - 260 06:09 - 19:58 50°	16	107 - 259 06:07 - 19:59 50°	17	108 - 258 06:05 - 20:01 51°	18	109 - 257 06:03 - 20:03 51°	19	110 - 256 06:01 - 20:04 51°	20	111 - 255 05:59 - 20:06 52°	21	112 - 254 05:57 - 20:07 52°
22	113 - 253 05:55 - 20:09 52°	23	114 - 252 05:53 - 20:10 53°	24	115 - 251 05:52 - 20:12 53°	25	116 - 250 05:50 - 20:14 53°	26	117 - 249 05:48 - 20:15 54°	27	118 - 248 05:46 - 20:17 54°	28	119 - 247 05:44 - 20:18 54°
29	120 - 246 05:42 - 20:20 55°	30	121 - 245 05:40 - 20:21 55°										



May 2024

Prague
14.25°E, 50.1°N

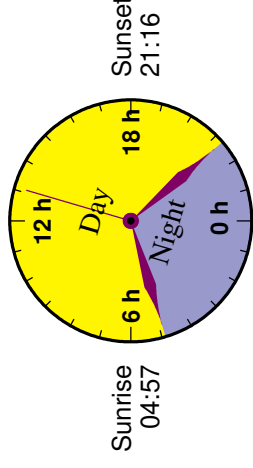


Duration of the day, for May 21

Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
6	127 - 239 05:30 - 20:30 57°	7	128 - 238 05:28 - 20:32 57°	1	122 - 244 05:39 - 20:23 55°	2	123 - 243 05:37 - 20:24 56°	3	124 - 242 05:35 - 20:26 56°	4	125 - 241 05:33 - 20:27 56°	5	126 - 240 05:32 - 20:29 56°
13	134 - 232 05:19 - 20:41 58°	14	135 - 231 05:18 - 20:42 59°	8	129 - 237 05:27 - 20:33 57°	9	130 - 236 05:25 - 20:35 57°	10	131 - 235 05:24 - 20:36 58°	11	132 - 234 05:22 - 20:38 58°	12	133 - 233 05:21 - 20:39 58°
20	141 - 225 05:10 - 20:50 60°	21	142 - 224 05:09 - 20:52 60°	15	136 - 230 05:16 - 20:44 59°	16	137 - 229 05:15 - 20:45 59°	17	138 - 228 05:14 - 20:46 59°	18	139 - 227 05:12 - 20:48 60°	19	140 - 226 05:11 - 20:49 60°
27	148 - 218 05:02 - 20:59 61°	28	149 - 217 05:02 - 21:00 61°	22	143 - 223 05:08 - 20:53 60°	23	144 - 222 05:06 - 20:54 61°	24	145 - 221 05:05 - 20:55 61°	25	146 - 220 05:04 - 20:57 61°	26	147 - 219 05:03 - 20:58 61°

Graph of Sun elevation for June 21. The x-axis represents longitude from -90 (East) to 90 (West). The y-axis represents sun elevation from 5 to 21 degrees. A blue curve connects 21 sun icons, showing a peak of 21° at 0° longitude and a minimum of 5° at approximately ±85° longitude.

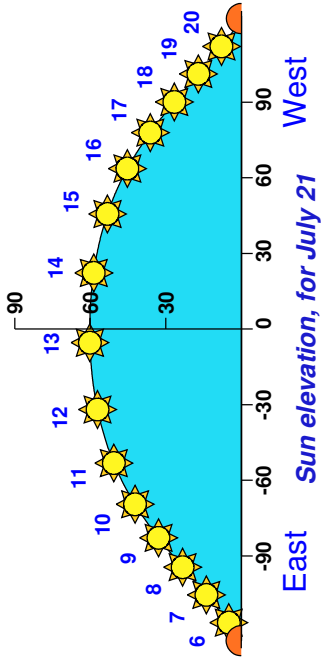


Duration of the day, for June 21

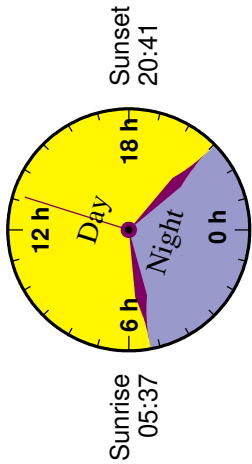
Sunday

155 - 211 04:57 - 21:06 62° 3	156 - 210 04:56 - 21:07 62° 4	157 - 209 04:56 - 21:08 63° 5	158 - 208 04:55 - 21:09 63° 6	159 - 207 04:55 - 21:10 63° 7	160 - 206 04:54 - 21:11 63° 8	153 - 213 04:58 - 21:04 62° 1	154 - 212 04:58 - 21:05 62° 2
162 - 204 04:54 - 21:12 63° 10	163 - 203 04:53 - 21:13 63° 11	164 - 202 04:53 - 21:13 63° 12	165 - 201 04:53 - 21:14 63° 13	166 - 200 04:53 - 21:14 63° 14	167 - 199 04:53 - 21:15 63° 15	168 - 198 04:53 - 21:15 63° 16	169 - 197 04:53 - 21:16 63° 17
176 - 190 04:54 - 21:17 63° 24	177 - 189 04:55 - 21:17 63° 25	178 - 188 04:55 - 21:17 63° 26	179 - 187 04:56 - 21:17 63° 27	180 - 186 04:56 - 21:17 63° 28	174 - 192 04:54 - 21:17 63° 22	175 - 191 04:54 - 21:17 63° 23	176 - 190 04:54 - 21:17 63° 24

July 2024



Prague
14.25°E, 50.1°N

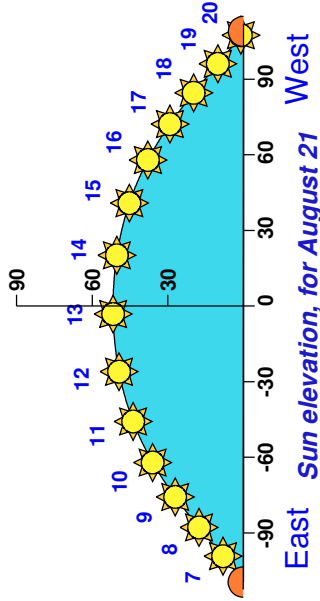


Duration of the day, for July 21

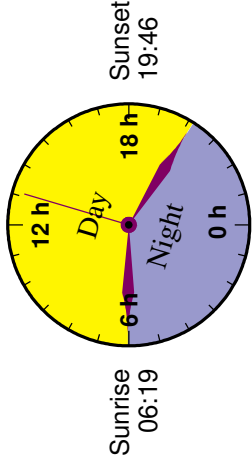
Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1	183 - 183 04:58 - 21:16 63°	2	184 - 182 04:59 - 21:16 63°	3	185 - 181 04:59 - 21:15 63°	4	186 - 180 05:00 - 21:15 63°	5	187 - 179 05:01 - 21:14 63°	6	188 - 178 05:02 - 21:14 63°	7	189 - 177 05:03 - 21:13 62°
8	190 - 176 05:04 - 21:13 62°	9	191 - 175 05:04 - 21:12 62°	10	192 - 174 05:05 - 21:11 62°	11	193 - 173 05:06 - 21:11 62°	12	194 - 172 05:07 - 21:10 62°	13	195 - 171 05:08 - 21:09 62°	14	196 - 170 05:10 - 21:08 61°
15	197 - 169 05:11 - 21:07 61°	16	198 - 168 05:12 - 21:06 61°	17	199 - 167 05:13 - 21:05 61°	18	200 - 166 05:14 - 21:04 61°	19	201 - 165 05:15 - 21:03 61°	20	202 - 164 05:17 - 21:02 60°	21	203 - 163 05:18 - 21:01 60°
22	204 - 162 05:19 - 20:59 60°	23	205 - 161 05:20 - 20:58 60°	24	206 - 160 05:22 - 20:57 60°	25	207 - 159 05:23 - 20:56 59°	26	208 - 158 05:24 - 20:54 59°	27	209 - 157 05:26 - 20:53 59°	28	210 - 156 05:27 - 20:51 59°
29	211 - 155 05:28 - 20:50 58°	30	212 - 154 05:30 - 20:48 58°	31	213 - 153 05:31 - 20:47 58°								

August 2024



Prague
14.25°E, 50.1°N



Duration of the day, for August 21

Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
5	218 - 148 05:38 - 20:39 57°	6	219 - 147 05:40 - 20:37 56°	7	220 - 146 05:41 - 20:36 56°	8	221 - 145 05:43 - 20:34 56°	9	222 - 144 05:44 - 20:32 56°	10	223 - 143 05:46 - 20:30 55°	11	224 - 142 05:47 - 20:28 55°
12	225 - 141 05:49 - 20:27 55°	13	226 - 140 05:50 - 20:25 54°	14	227 - 139 05:52 - 20:23 54°	15	228 - 138 05:53 - 20:21 54°	16	229 - 137 05:55 - 20:19 53°	17	230 - 136 05:56 - 20:17 53°	18	231 - 135 05:58 - 20:15 53°
19	232 - 134 05:59 - 20:13 52°	20	233 - 133 06:01 - 20:11 52°	21	234 - 132 06:02 - 20:09 52°	22	235 - 131 06:04 - 20:07 51°	23	236 - 130 06:05 - 20:05 51°	24	237 - 129 06:07 - 20:03 51°	25	238 - 128 06:08 - 20:01 50°
26	239 - 127 06:10 - 19:59 50°	27	240 - 126 06:11 - 19:57 50°	28	241 - 125 06:13 - 19:55 49°	29	242 - 124 06:14 - 19:53 49°	30	243 - 123 06:16 - 19:51 49°	31	244 - 122 06:17 - 19:49 48°		

31

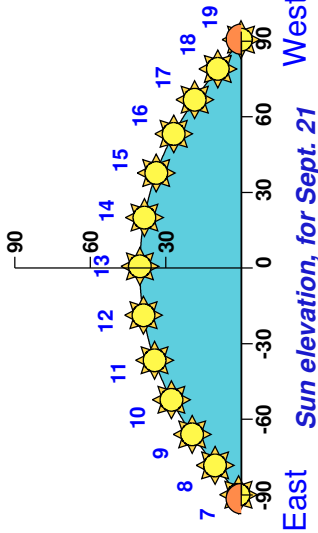
32

33

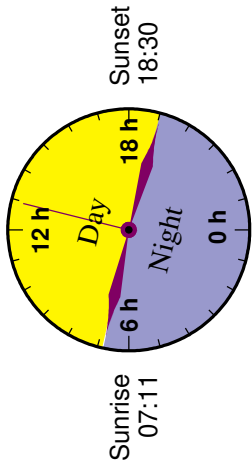
34

35

September 2024



Prague
14.25°E, 50.1°N

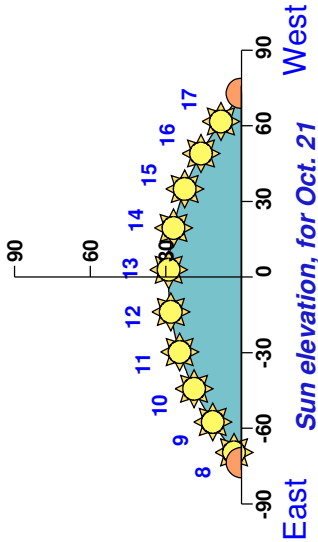


Duration of the day, for September 21

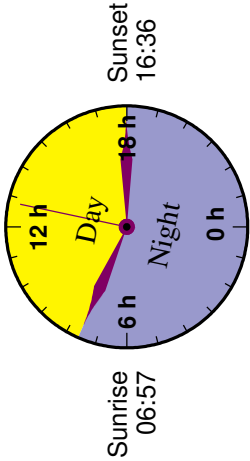
Sunrise and Sunset at Prague (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
2 06:20 - 19:44 48°	3 06:22 - 19:42 47°	4 06:23 - 19:40 47°	5 06:25 - 19:38 46°	6 06:26 - 19:36 46°	7 06:28 - 19:34 46°	1 06:19 - 19:46 48°
9 06:31 - 19:29 45°	10 06:32 - 19:27 45°	11 06:33 - 19:25 44°	12 06:35 - 19:23 44°	13 06:36 - 19:20 43°	14 06:38 - 19:18 43°	8 06:29 - 19:31 45°
16 06:41 - 19:14 42°	17 06:42 - 19:12 42°	18 06:44 - 19:09 41°	19 06:45 - 19:07 41°	20 06:47 - 19:05 41°	21 06:49 - 19:03 40°	15 06:39 - 19:16 43°
23 06:52 - 18:58 40°	24 06:53 - 18:56 39°	25 06:55 - 18:54 39°	26 06:56 - 18:52 38°	27 06:58 - 18:49 38°	28 06:59 - 18:47 38°	22 06:50 - 19:00 40°
30 07:02 - 18:43 37°						29 07:01 - 18:45 37°

October 2024



Prague
14.25°E, 50.1°N



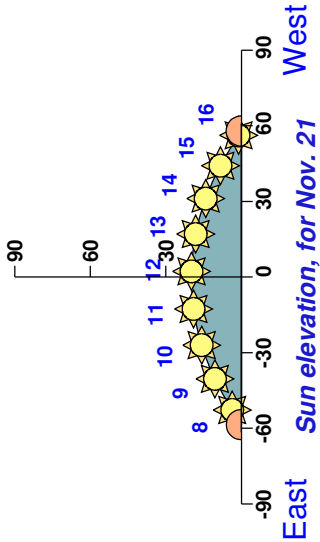
Duration of the day, for October 21

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

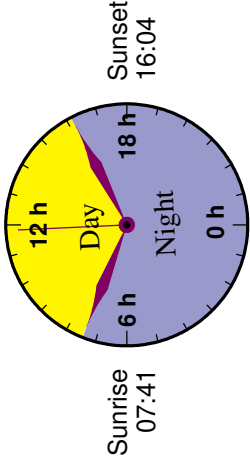
Time change *October 27*

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
7	281 - 85 07:13 - 18:28 34°	1	275 - 91 07:04 - 18:41 36°	2	276 - 90 07:05 - 18:39 36°	3	277 - 89 07:07 - 18:36 36°	4	278 - 88 07:08 - 18:34 35°	5	279 - 87 07:10 - 18:32 35°	6	280 - 86 07:11 - 18:30 35°
40		8	282 - 84 07:15 - 18:26 34°	9	283 - 83 07:16 - 18:24 33°	10	284 - 82 07:18 - 18:21 33°	11	285 - 81 07:19 - 18:19 33°	12	286 - 80 07:21 - 18:17 32°	13	287 - 79 07:23 - 18:15 32°
41		15	289 - 77 07:26 - 18:11 31°	16	290 - 76 07:27 - 18:09 31°	17	291 - 75 07:29 - 18:07 30°	18	292 - 74 07:31 - 18:05 30°	19	293 - 73 07:32 - 18:03 30°	20	294 - 72 07:34 - 18:01 29°
42		22	296 - 70 07:37 - 17:57 29°	23	297 - 69 07:39 - 17:55 28°	24	298 - 68 07:40 - 17:53 28°	25	299 - 67 07:42 - 17:52 28°	26	300 - 66 07:44 - 17:50 27°	27	301 - 65 06:45 - 16:48 27°
43		29	303 - 63 06:49 - 16:44 26°	30	304 - 62 06:50 - 16:43 26°	31	305 - 61 06:52 - 16:41 26°						
44													

November 2024



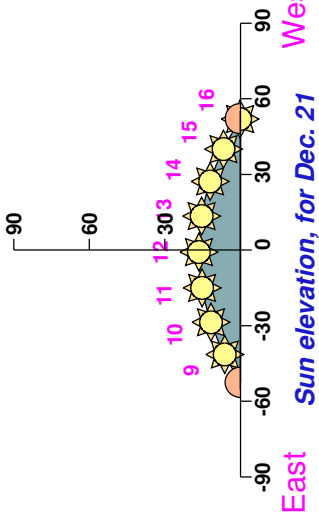
Prague
14.25°E, 50.1°N



Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

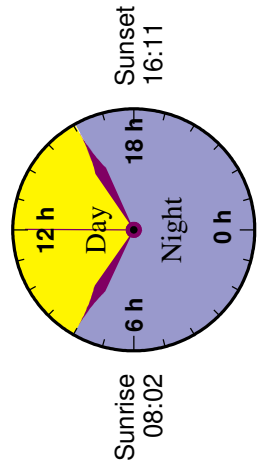
Duration of the day, for November 21

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
4 309 - 57 06:59 - 16:34 24°	5 310 - 56 07:00 - 16:33 24°	6 311 - 55 07:02 - 16:31 24°	7 312 - 54 07:04 - 16:29 23°	8 313 - 53 07:05 - 16:28 23°	9 314 - 52 07:07 - 16:26 23°	10 315 - 51 07:09 - 16:25 23°
11 316 - 50 07:10 - 16:24 22°	12 317 - 49 07:12 - 16:22 22°	13 318 - 48 07:14 - 16:21 22°	14 319 - 47 07:15 - 16:20 22°	15 320 - 46 07:17 - 16:18 21°	16 321 - 45 07:18 - 16:17 21°	17 322 - 44 07:20 - 16:16 21°
18 323 - 43 07:22 - 16:15 21°	19 324 - 42 07:23 - 16:14 20°	20 325 - 41 07:25 - 16:12 20°	21 326 - 40 07:26 - 16:11 20°	22 327 - 39 07:28 - 16:10 20°	23 328 - 38 07:29 - 16:10 19°	24 329 - 37 07:31 - 16:09 19°
25 330 - 36 07:32 - 16:08 19°	26 331 - 35 07:34 - 16:07 19°	27 332 - 34 07:35 - 16:06 19°	28 333 - 33 07:37 - 16:05 19°	29 334 - 32 07:38 - 16:05 18°	30 335 - 31 07:39 - 16:04 18°	



December 2024

Prague
14.25°E, 50.1°N



Sun elevation, for Dec. 21

Duration of the day, for December 21

Sunrise and Sunset at Prague (TL ± 1 mn) and sun maximal elevation (°)

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

2	337 - 29 07:42 - 16:03 18°	3	338 - 28 07:43 - 16:03 18°	4	339 - 27 07:45 - 16:02 18°	5	340 - 26 07:46 - 16:02 17°	6	341 - 25 07:47 - 16:02 17°	7	342 - 24 07:48 - 16:01 17°	8	343 - 23 07:49 - 16:01 17°	1	336 - 30 07:41 - 16:04 18°
9	344 - 22 07:50 - 16:01 17°	10	345 - 21 07:51 - 16:01 17°	11	346 - 20 07:52 - 16:01 17°	12	347 - 19 07:53 - 16:01 17°	13	348 - 18 07:54 - 16:01 17°	14	349 - 17 07:55 - 16:01 17°	15	350 - 16 07:56 - 16:01 17°		
16	351 - 15 07:57 - 16:01 17°	17	352 - 14 07:57 - 16:02 17°	18	353 - 13 07:58 - 16:02 17°	19	354 - 12 07:59 - 16:02 17°	20	355 - 11 07:59 - 16:03 17°	21	356 - 10 08:00 - 16:03 17°	22	357 - 9 08:00 - 16:04 17°		
23	358 - 8 08:01 - 16:04 17°	24	359 - 7 08:01 - 16:05 17°	25	360 - 6 08:01 - 16:06 17°	26	361 - 5 08:02 - 16:06 17°	27	362 - 4 08:02 - 16:07 17°	28	363 - 3 08:02 - 16:08 17°	29	364 - 2 08:02 - 16:09 17°		
30	365 - 1 08:02 - 16:10 17°	31	366 - 0 08:02 - 16:11 17°												

48

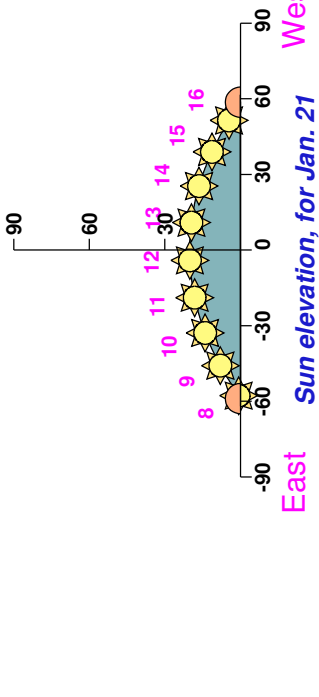
49

50

51

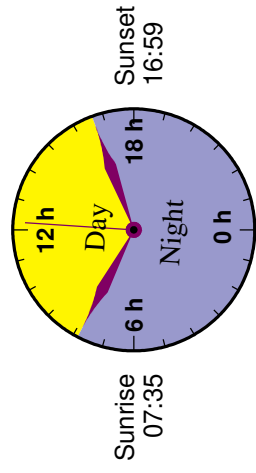
52

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January 2025

Prague
14.25°E, 50.1°N



Sun elevation, for Jan. 21

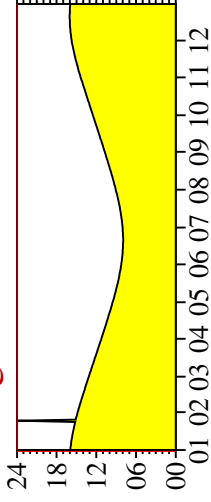
Duration of the day, for January 21

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

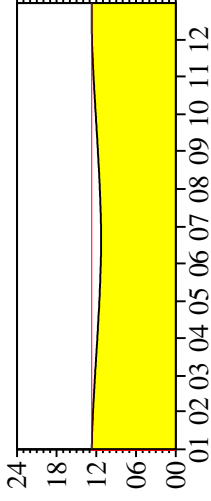
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	6 08:01 - 16:17 18°	7 08:01 - 16:19 18°	1 08:02 - 16:12 17°	2 08:02 - 16:13 17°	3 08:02 - 16:14 17°	4 08:02 - 16:15 17°	5 08:01 - 16:16 17°
2	13 07:58 - 16:27 19°	14 07:57 - 16:28 19°	8 08:00 - 16:20 18°	9 08:00 - 16:21 18°	10 07:59 - 16:23 18°	11 07:59 - 16:24 18°	12 07:58 - 16:25 18°
3	20 07:52 - 16:37 20°	21 07:51 - 16:39 20°	15 07:56 - 16:30 19°	16 07:55 - 16:31 19°	17 07:54 - 16:33 19°	18 07:54 - 16:34 20°	19 07:53 - 16:36 20°
4	27 07:44 - 16:49 22°	28 07:42 - 16:51 22°	22 07:50 - 16:41 20°	23 07:48 - 16:42 21°	24 07:47 - 16:44 21°	25 07:46 - 16:46 21°	26 07:45 - 16:47 21°
5			29 07:41 - 16:52 22°	30 07:40 - 16:54 22°	31 07:38 - 16:56 23°		

Day duration for any cities for 2024

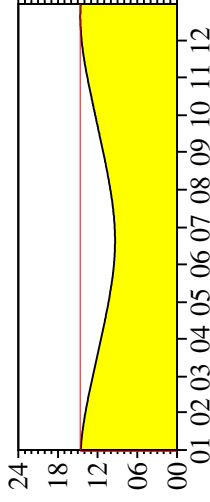
Kerguelen 69.33°E, -49.33°N



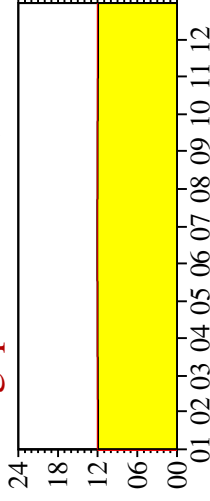
Lima -77.03°E, -12.05°N



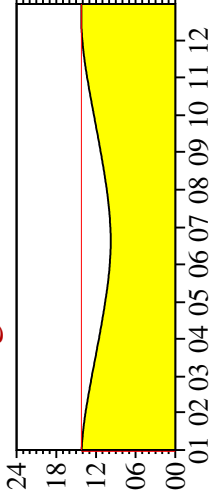
Melbourne 144.97°E, -37.81°N



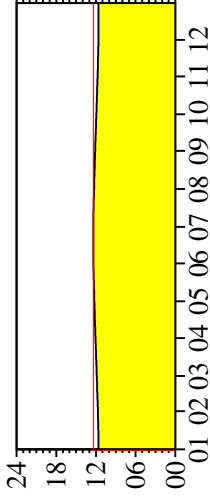
Singapour 103.85°E, 1.03°N



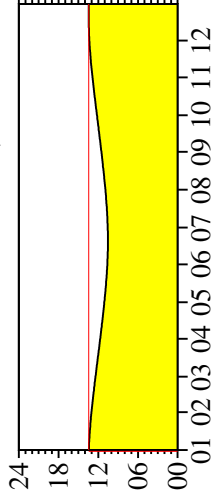
Santiago -70.65°E, -33.43°N



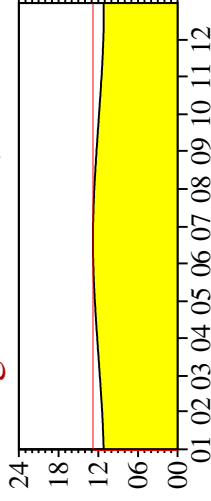
Colombo 79.83°E, 6.92°N



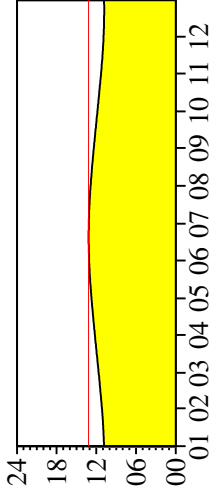
Sao Paulo -46.63°E, -23.55°N



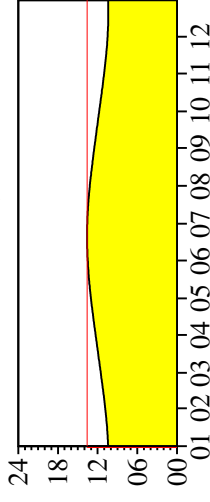
Bangkok 100.49°E, 13.75°N



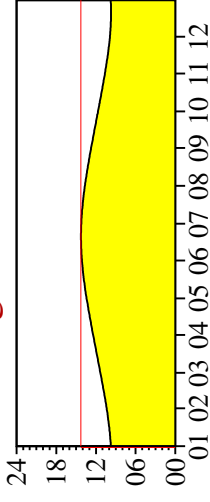
Mexico -99.13°E, 19.43°N



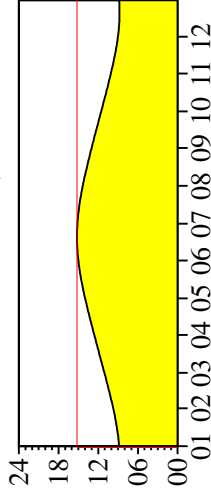
Miami -80.22°E, 25.78°N



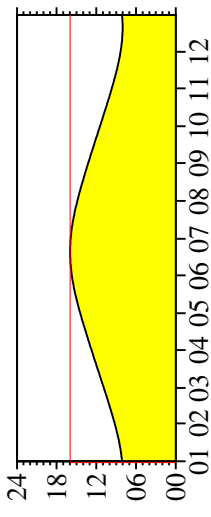
Los Angeles -118.24°E, 34.05°N



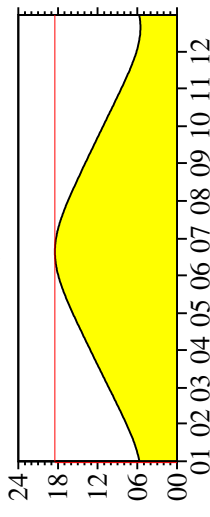
Marseille 5.38°E, 43.3°N



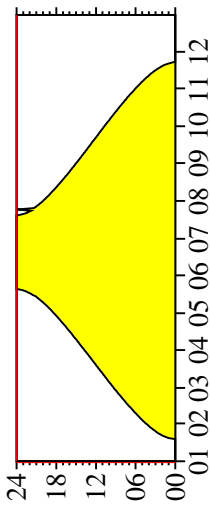
Paris 2.35°E, 48.86°N



Oslo 10.75°E, 59.92°N



Tromso 18.97°E, 69.66°N



Ny Alesund 11.92°E, 78.92°N

