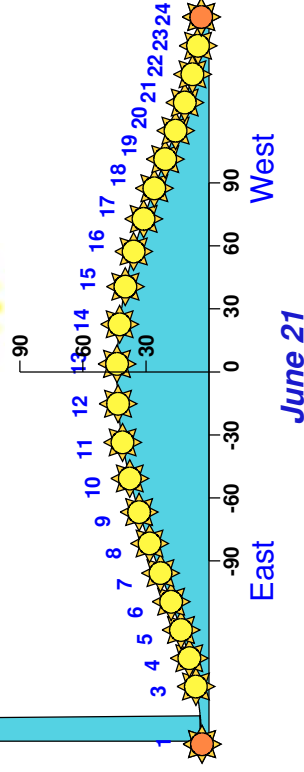


Sun Calendar 2022

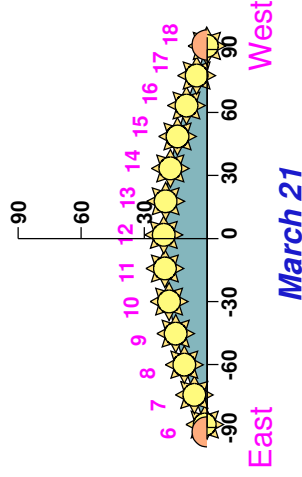
Produced by *ScientiDev*
www.scientidev.fr



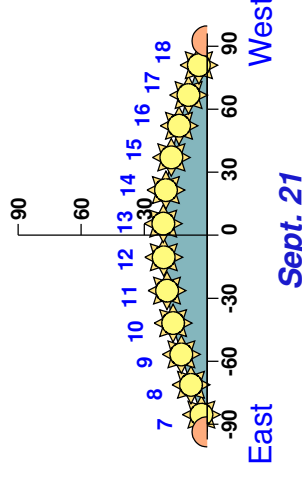
Summer



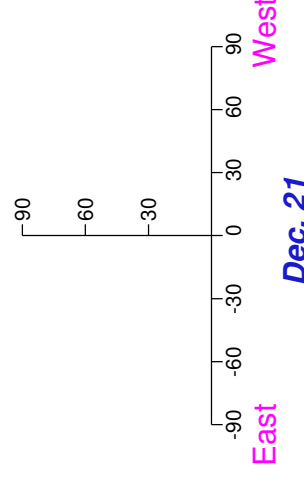
Spring



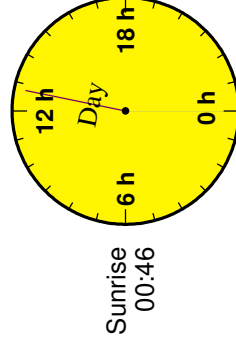
Autumn



Winter

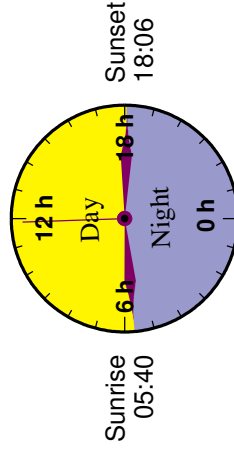


Day duration 24:00



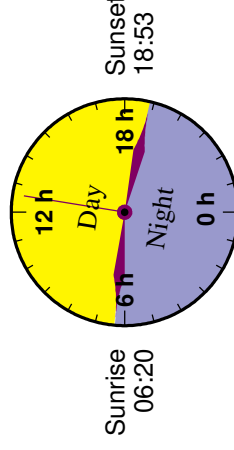
Summer Solstice

Day duration 12:26



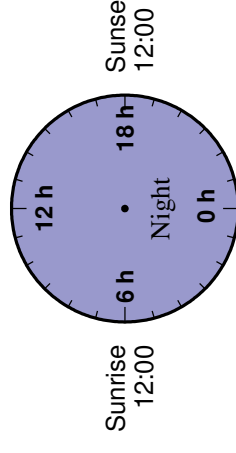
Spring Equinox

Day duration 12:33

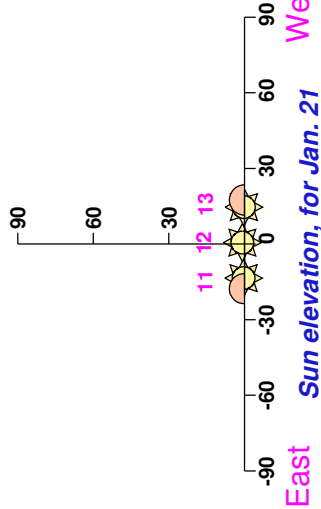


Autumn Equinox

Day duration 00:00

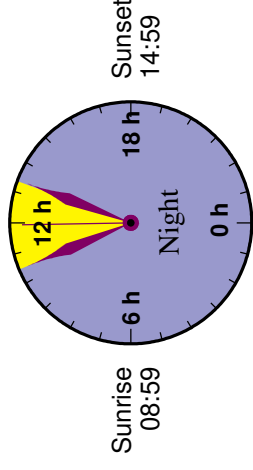


January 2022



Tromsø

18.95°E, 69.65°N



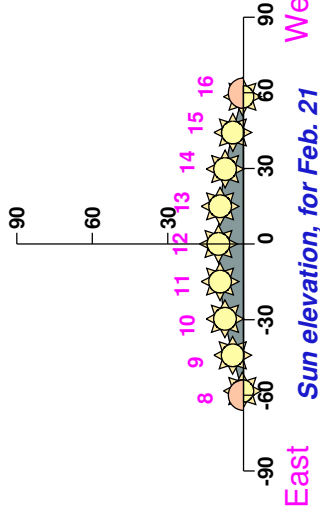
Sun elevation, for Jan. 21

Duration of the day, for January 21

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

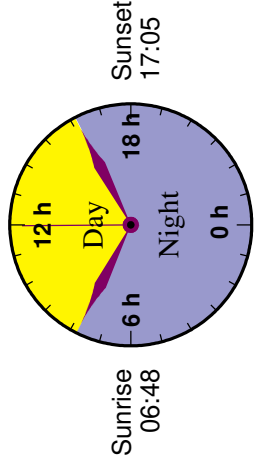
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	3 - 362 Polar Night	4 - 361 Polar Night	5 - 360 Polar Night	6 - 359 Polar Night	7 - 358 Polar Night	8 - 357 Polar Night	9 - 356 Polar Night
2	10 - 355 Polar Night	11 - 354 Polar Night	12 - 353 Polar Night	13 - 352 Polar Night	14 - 351 Polar Night	15 - 350 11:30 - 12:18 0°	16 - 349 11:14 - 12:35 0°
3	17 - 348 11:02 - 12:47 0°	18 - 347 10:53 - 12:58 0°	19 - 346 10:44 - 13:07 1°	20 - 345 10:36 - 13:15 1°	21 - 344 10:29 - 13:23 1°	22 - 343 10:22 - 13:31 1°	23 - 342 10:16 - 13:38 1°
4	24 - 341 10:09 - 13:44 2°	25 - 340 10:03 - 13:51 2°	26 - 339 09:57 - 13:57 2°	27 - 338 09:52 - 14:04 2°	28 - 337 09:46 - 14:10 3°	29 - 336 09:40 - 14:16 3°	30 - 335 09:35 - 14:21 3°
5	31 - 334 09:30 - 14:27 3°						

February 2022



Tromsø

18.95°E, 69.65°N



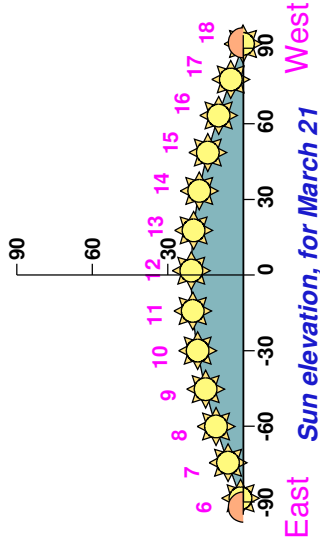
Sun elevation, for Feb. 21

Duration of the day, for February 21

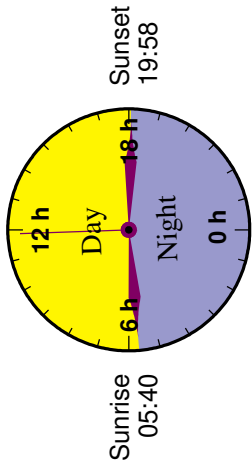
Sunrise and Sunset at Tromsø (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7 38 - 327 08:54 - 15:04 5°	1 32 - 333 09:24 - 14:33 4°	2 33 - 332 09:19 - 14:38 4°	3 34 - 331 09:14 - 14:43 4°	4 35 - 330 09:09 - 14:49 4°	5 36 - 329 09:04 - 14:54 5°	6 37 - 328 08:59 - 14:59 5°
14 45 - 320 08:20 - 15:38 8°	8 39 - 326 08:49 - 15:09 6°	9 40 - 325 08:44 - 15:14 6°	10 41 - 324 08:39 - 15:19 6°	11 42 - 323 08:34 - 15:24 7°	12 43 - 322 08:30 - 15:29 7°	13 44 - 321 08:25 - 15:34 7°
21 52 - 313 07:47 - 16:10 10°	15 46 - 319 08:15 - 15:43 8°	16 47 - 318 08:11 - 15:48 8°	17 48 - 317 08:06 - 15:52 9°	18 49 - 316 08:01 - 15:57 9°	19 50 - 315 07:57 - 16:01 9°	20 51 - 314 07:52 - 16:06 10°
28 59 - 306 07:15 - 16:40 13°	22 53 - 312 07:43 - 16:15 10°	23 54 - 311 07:38 - 16:19 11°	24 55 - 310 07:33 - 16:23 11°	25 56 - 309 07:29 - 16:28 11°	26 57 - 308 07:24 - 16:32 12°	27 58 - 307 07:20 - 16:36 12°

March 2022



Tromsø
18.95°E, 69.65°N



East Sun elevation, for March 21 West

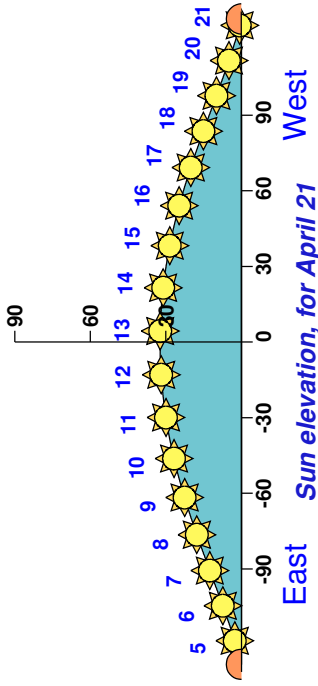
Duration of the day, for March 21

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

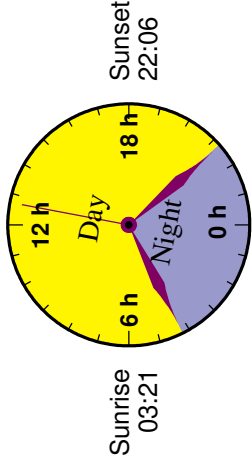
Time change March 27

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9 7 66 - 299 06:43 - 17:09 15°	10 1 60 - 305 07:11 - 16:45 13°	11 2 61 - 304 07:06 - 16:49 13°	12 3 62 - 303 07:01 - 16:53 14°	13 4 63 - 302 06:57 - 16:57 14°	14 5 64 - 301 06:52 - 17:01 14°	15 6 65 - 300 06:48 - 17:05 15°
16 8 67 - 298 06:39 - 17:14 16°	17 9 68 - 297 06:34 - 17:18 16°	18 10 69 - 296 06:30 - 17:22 16°	19 11 70 - 295 06:25 - 17:26 17°	20 12 71 - 294 06:21 - 17:30 17°	21 13 72 - 293 06:16 - 17:34 18°	22 14 73 - 292 06:11 - 17:38 18°
23 15 74 - 291 06:07 - 17:42 18°	24 16 75 - 290 06:02 - 17:46 19°	25 17 76 - 289 05:58 - 17:50 19°	26 18 77 - 288 05:53 - 17:54 20°	27 19 78 - 287 05:49 - 17:58 20°	28 20 79 - 286 05:44 - 18:02 20°	29 21 80 - 285 05:40 - 18:06 21°
30 22 81 - 284 05:35 - 18:10 21°	31 23 82 - 283 05:31 - 18:14 22°	1 24 83 - 282 05:26 - 18:18 22°	2 25 84 - 281 05:21 - 18:22 22°	3 26 85 - 280 05:17 - 18:26 23°	4 27 86 - 279 05:12 - 19:30 23°	5 28 87 - 278 06:08 - 19:34 23°
6 29 88 - 277 06:03 - 19:38 24°	7 30 89 - 276 05:59 - 19:42 24°	8 31 90 - 275 05:54 - 19:46 25°				

April 2022



Tromsø
18.95°E, 69.65°N



Duration of the day, for April 21

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

East *Sun elevation, for April 21* **West**

Monday		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
4 94 - 271 05:35 - 20:02 26°	5 95 - 270 05:31 - 20:06 27°	6 96 - 269 05:26 - 20:10 27°	7 97 - 268 05:21 - 20:14 27°	8 98 - 267 05:17 - 20:19 28°	1 91 - 274 05:49 - 19:50 25°	2 92 - 273 05:45 - 19:54 25°	3 93 - 272 05:40 - 19:58 26°
11 101 - 264 05:03 - 20:31 29°	12 102 - 263 04:58 - 20:36 29°	13 103 - 262 04:53 - 20:40 30°	14 104 - 261 04:48 - 20:44 30°	15 105 - 260 04:43 - 20:49 30°	16 106 - 259 04:38 - 20:53 31°	9 99 - 266 05:12 - 20:23 28°	10 100 - 265 05:07 - 20:27 28°
18 108 - 257 04:29 - 21:02 31°	19 109 - 256 04:24 - 21:07 32°	20 110 - 255 04:19 - 21:11 32°	21 111 - 254 04:14 - 21:16 32°	22 112 - 253 04:09 - 21:21 33°	17 107 - 258 04:34 - 20:57 31°	23 113 - 252 04:04 - 21:25 33°	24 114 - 251 03:59 - 21:30 33°
25 115 - 250 03:53 - 21:35 34°	26 116 - 249 03:48 - 21:40 34°	27 117 - 248 03:43 - 21:45 34°	28 118 - 247 03:38 - 21:50 35°	29 119 - 246 03:32 - 21:55 35°	30 120 - 245 03:27 - 22:01 35°		

13

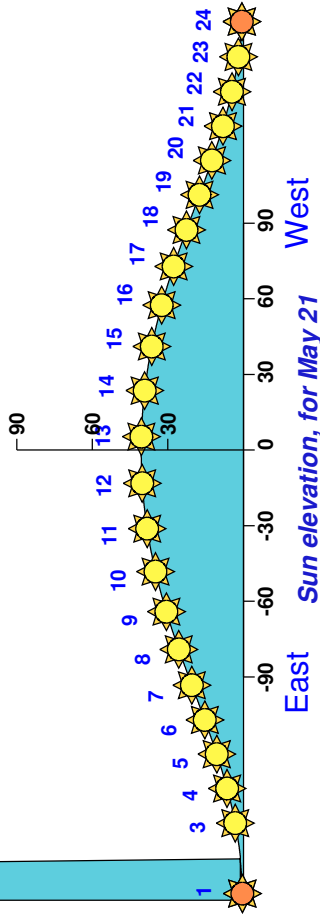
14

15

16

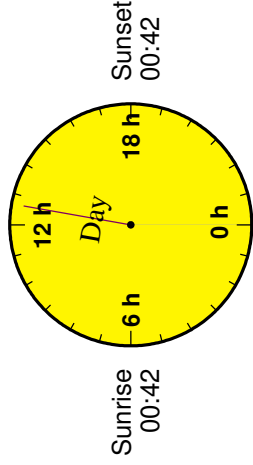
17

May 2022



Tromsø

18.95°E, 69.65°N



Duration of the day, for May 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

17

18

19

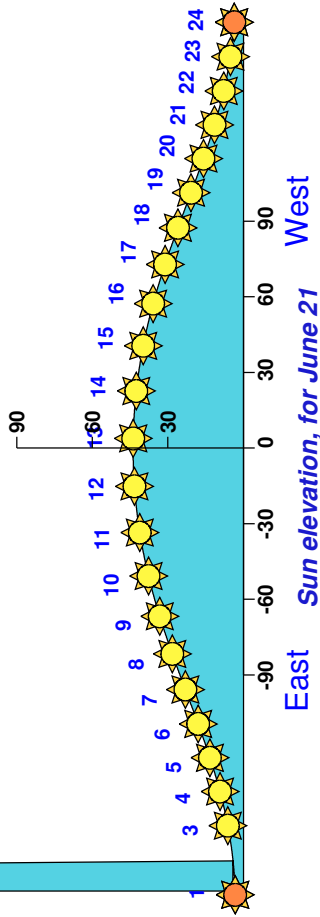
20

21

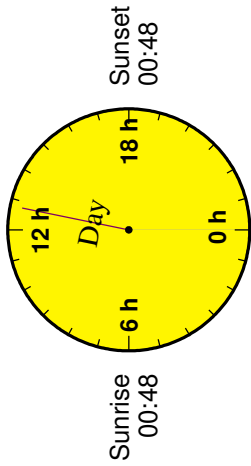
22

2 <i>I22 - 243</i> 03:16 - 22:12 36°	3 <i>I23 - 242</i> 03:10 - 22:17 36°	4 <i>I24 - 241</i> 03:04 - 22:23 36°	5 <i>I25 - 240</i> 02:58 - 22:29 37°	6 <i>I26 - 239</i> 02:52 - 22:35 37°	7 <i>I27 - 238</i> 02:46 - 22:42 37°	8 <i>I28 - 237</i> 02:39 - 22:48 38°	1 <i>I21 - 244</i> 03:21 - 22:06 36°
9 <i>I29 - 236</i> 02:33 - 22:55 38°	10 <i>I30 - 235</i> 02:26 - 23:02 38°	11 <i>I31 - 234</i> 02:18 - 23:10 38°	12 <i>I32 - 233</i> 02:11 - 23:18 39°	13 <i>I33 - 232</i> 01:54 - 23:27 39°	14 <i>I34 - 231</i> 01:44 - 23:37 39°	15 <i>I35 - 230</i> 01:32 - 23:48 39°	
16 <i>I36 - 229</i> 01:18 - 00:03 40°	17 <i>I37 - 228</i> 00:53 - 00:27 40°	18 <i>I38 - 227</i> Day at anytime	19 <i>I39 - 226</i> Day at anytime	20 <i>I40 - 225</i> Day at anytime	21 <i>I41 - 224</i> Day at anytime	22 <i>I42 - 223</i> Day at anytime	
23 <i>I43 - 222</i> Day at anytime	24 <i>I44 - 221</i> Day at anytime	25 <i>I45 - 220</i> Day at anytime	26 <i>I46 - 219</i> Day at anytime	27 <i>I47 - 218</i> Day at anytime	28 <i>I48 - 217</i> Day at anytime	29 <i>I49 - 216</i> Day at anytime	
30 <i>I50 - 215</i> Day at anytime	31 <i>I51 - 214</i> Day at anytime						

June 2022



Tromsø
18.95°E, 69.65°N

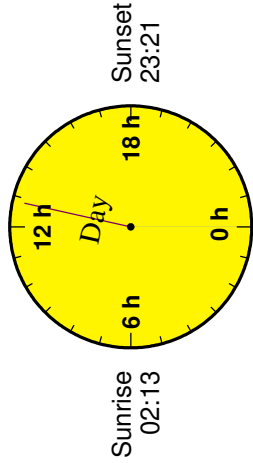
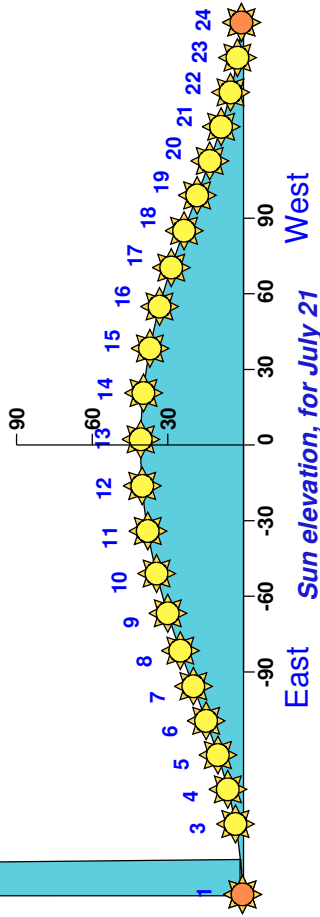


Duration of the day, for June 21

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

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
6 157 - 208 Day at anytime	7 158 - 207 Day at anytime	1 152 - 213 Day at anytime	2 153 - 212 Day at anytime	3 154 - 211 Day at anytime	4 155 - 210 Day at anytime	5 156 - 209 Day at anytime
13 164 - 201 Day at anytime	14 165 - 200 Day at anytime	8 159 - 206 Day at anytime	9 160 - 205 Day at anytime	10 161 - 204 Day at anytime	11 162 - 203 Day at anytime	12 163 - 202 Day at anytime
20 171 - 194 Day at anytime	21 172 - 193 Day at anytime	15 166 - 199 Day at anytime	16 167 - 198 Day at anytime	17 168 - 197 Day at anytime	18 169 - 196 Day at anytime	19 170 - 195 Day at anytime
27 178 - 187 Day at anytime	28 179 - 186 Day at anytime	22 173 - 192 Day at anytime	23 174 - 191 Day at anytime	24 175 - 190 Day at anytime	25 176 - 189 Day at anytime	26 177 - 188 Day at anytime

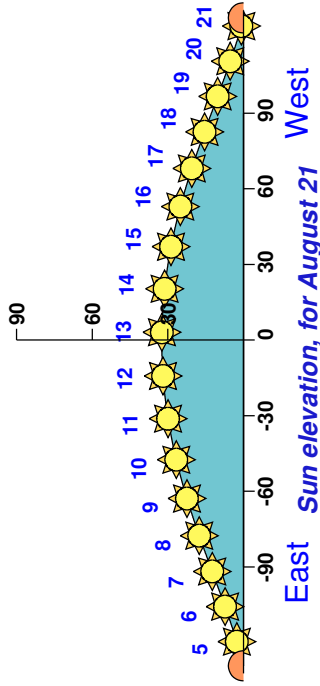
July 2022



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

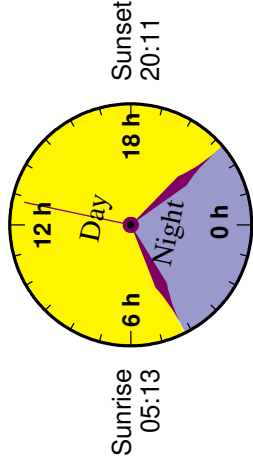
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
26	4 185 - 180 Day at anytime	5 186 - 179 Day at anytime	6 187 - 178 Day at anytime	7 188 - 177 Day at anytime	8 189 - 176 Day at anytime	9 190 - 175 Day at anytime	10 191 - 174 Day at anytime	11 192 - 173 Day at anytime	12 193 - 172 Day at anytime	13 194 - 171 Day at anytime	14 195 - 170 Day at anytime	15 196 - 169 Day at anytime	16 197 - 168 Day at anytime
27	11 192 - 173 Day at anytime	12 193 - 172 Day at anytime	13 194 - 171 Day at anytime	14 195 - 170 Day at anytime	15 196 - 169 Day at anytime	16 197 - 168 Day at anytime	17 198 - 167 Day at anytime	18 199 - 166 Day at anytime	19 200 - 165 Day at anytime	20 201 - 164 Day at anytime	21 202 - 163 Day at anytime	22 203 - 162 Day at anytime	23 204 - 161 Day at anytime
28	18 199 - 166 Day at anytime	19 200 - 165 Day at anytime	20 201 - 164 Day at anytime	21 202 - 163 Day at anytime	22 203 - 162 Day at anytime	23 204 - 161 Day at anytime	24 205 - 160 Day at anytime	25 206 - 159 01:03 - 00:39 40°	26 207 - 158 01:29 - 00:14 40°	27 208 - 157 01:43 - 00:00 40°	28 209 - 156 01:54 - 23:48 39°	29 210 - 155 Day at anytime	30 211 - 154 02:04 - 23:30 39°
29	18 199 - 166 Day at anytime	19 200 - 165 Day at anytime	20 201 - 164 Day at anytime	21 202 - 163 Day at anytime	22 203 - 162 Day at anytime	23 204 - 161 Day at anytime	24 205 - 160 Day at anytime	25 206 - 159 01:03 - 00:39 40°	26 207 - 158 01:29 - 00:14 40°	27 208 - 157 01:43 - 00:00 40°	28 209 - 156 01:54 - 23:48 39°	29 210 - 155 Day at anytime	30 211 - 154 02:04 - 23:30 39°
30	25 206 - 159 01:03 - 00:39 40°	26 207 - 158 01:29 - 00:14 40°	27 208 - 157 01:43 - 00:00 40°	28 209 - 156 01:54 - 23:48 39°	29 210 - 155 Day at anytime	30 211 - 154 02:04 - 23:30 39°	31 212 - 153 02:13 - 23:21 39°						

August 2022



Tromsø

18.95°E, 69.65°N

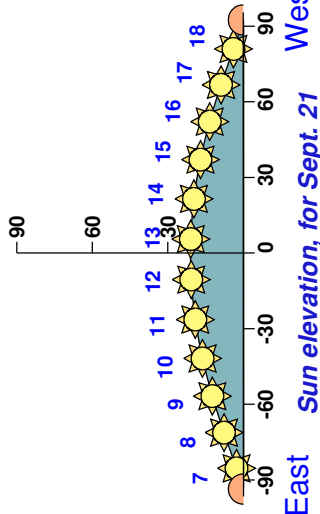


Duration of the day, for August 21

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

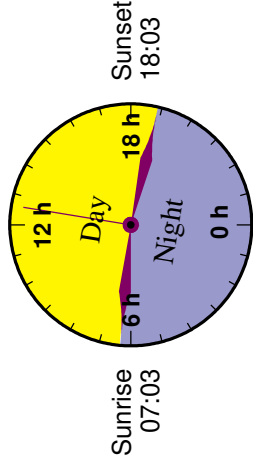
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1	213 - 152 02:21 - 23:14 38°	2	214 - 151 02:29 - 23:07 38°	3	215 - 150 02:36 - 23:00 38°	4	216 - 149 02:43 - 22:53 38°	5	217 - 148 02:49 - 22:46 37°	6	218 - 147 02:55 - 22:40 37°	7	219 - 146 03:01 - 22:34 37°
8	220 - 145 03:07 - 22:28 36°	9	221 - 144 03:13 - 22:22 36°	10	222 - 143 03:19 - 22:17 36°	11	223 - 142 03:24 - 22:11 36°	12	224 - 141 03:29 - 22:05 35°	13	225 - 140 03:35 - 22:00 35°	14	226 - 139 03:40 - 21:55 35°
15	227 - 138 03:45 - 21:49 34°	16	228 - 137 03:50 - 21:44 34°	17	229 - 136 03:55 - 21:39 34°	18	230 - 135 03:59 - 21:34 33°	19	231 - 134 04:04 - 21:28 33°	20	232 - 133 04:09 - 21:23 33°	21	233 - 132 04:13 - 21:18 32°
22	234 - 131 04:18 - 21:13 32°	23	235 - 130 04:22 - 21:08 32°	24	236 - 129 04:27 - 21:03 31°	25	237 - 128 04:31 - 20:59 31°	26	238 - 127 04:36 - 20:54 31°	27	239 - 126 04:40 - 20:49 30°	28	240 - 125 04:44 - 20:44 30°
29	241 - 124 04:48 - 20:39 30°	30	242 - 123 04:53 - 20:34 29°	31	243 - 122 04:57 - 20:30 29°								

September 2022



Tromsø

18.95°E, 69.65°N



Duration of the day, for September 21

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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

35

5	248 - 117 05:17 - 20:06 27°	6	249 - 116 05:21 - 20:01 27°	7	250 - 115 05:25 - 19:57 26°	8	251 - 114 05:29 - 19:52 26°	9	252 - 113 05:33 - 19:48 26°	10	253 - 112 05:37 - 19:43 25°	11	254 - 111 05:41 - 19:38 25°

36

12	255 - 110 05:45 - 19:34 24°	13	256 - 109 05:49 - 19:29 24°	14	257 - 108 05:53 - 19:25 24°	15	258 - 107 05:57 - 19:20 23°	16	259 - 106 06:01 - 19:15 23°	17	260 - 105 06:05 - 19:11 23°	18	261 - 104 06:09 - 19:06 22°

37

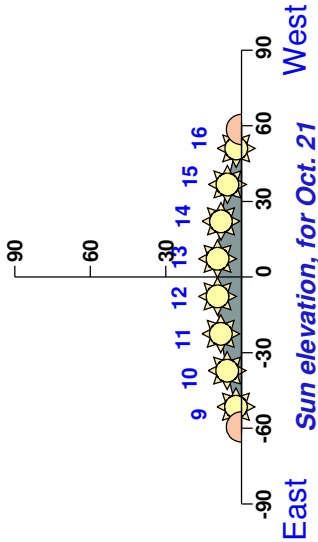
19	262 - 103 06:12 - 19:02 22°	20	263 - 102 06:16 - 18:57 21°	21	264 - 101 06:20 - 18:53 21°	22	265 - 100 06:24 - 18:48 21°	23	266 - 99 06:28 - 18:44 20°	24	267 - 98 06:32 - 18:39 20°	25	268 - 97 06:36 - 18:34 19°

38

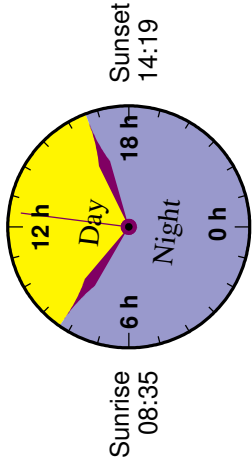
26	269 - 96 06:39 - 18:30 19°	27	270 - 95 06:43 - 18:25 19°	28	271 - 94 06:47 - 18:21 18°	29	272 - 93 06:51 - 18:16 18°	30	273 - 92 06:55 - 18:12 18°			

39

October 2022



Tromsø
18.95°E, 69.65°N



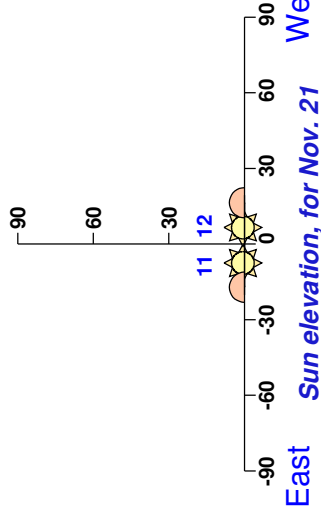
Duration of the day, for October 21

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

Time change October 30

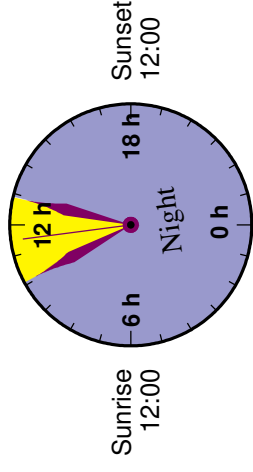
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		
39	3	^{276 - 89} 07:07 - 17:58 16°	4	^{277 - 88} 07:11 - 17:54 16°	5	^{278 - 87} 07:15 - 17:49 16°	6	^{279 - 86} 07:19 - 17:45 15°	7	^{280 - 85} 07:22 - 17:40 15°	1	^{274 - 91} 06:59 - 18:07 17°	2	^{275 - 90} 07:03 - 18:03 17°
	10	^{283 - 82} 07:35 - 17:26 14°	11	^{284 - 81} 07:39 - 17:22 13°	12	^{285 - 80} 07:43 - 17:17 13°	13	^{286 - 79} 07:47 - 17:13 13°	14	^{287 - 78} 07:51 - 17:08 12°	8	^{281 - 84} 07:26 - 17:36 14°	9	^{282 - 83} 07:30 - 17:31 14°
	17	^{290 - 75} 08:03 - 16:55 11°	18	^{291 - 74} 08:08 - 16:50 11°	19	^{292 - 73} 08:12 - 16:45 10°	20	^{293 - 72} 08:16 - 16:41 10°	21	^{294 - 71} 08:20 - 16:36 10°	15	^{288 - 77} 07:55 - 17:04 12°	16	^{289 - 76} 07:59 - 16:59 11°
	24	^{297 - 68} 08:34 - 16:22 9°	25	^{298 - 67} 08:38 - 16:17 8°	26	^{299 - 66} 08:43 - 16:13 8°	27	^{300 - 65} 08:47 - 16:08 8°	28	^{301 - 64} 08:52 - 16:03 7°	22	^{295 - 70} 08:25 - 16:31 9°	23	^{296 - 69} 08:29 - 16:27 9°
	31	^{304 - 61} 08:06 - 14:49 6°									29	^{302 - 63} 08:56 - 15:58 7°	30	^{303 - 62} 08:01 - 14:54 7°
40														
41														
42														
43														
44														

November 2022



Tromsø

18.95°E, 69.65°N



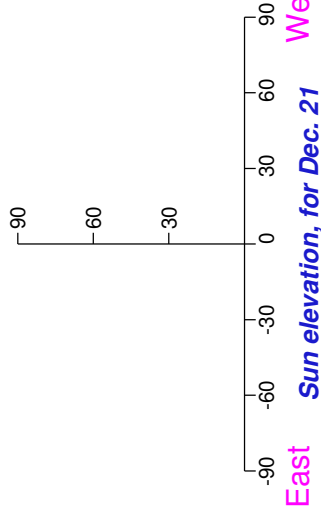
East Sun elevation, for Nov. 21 West

Duration of the day, for November 21

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

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7 311 - 54 08:41 - 14:14 4°	1 305 - 60 08:11 - 14:44 6°	2 306 - 59 08:15 - 14:39 6°	3 307 - 58 08:20 - 14:34 5°	4 308 - 57 08:25 - 14:29 5°	5 309 - 56 08:30 - 14:24 5°	6 310 - 55 08:35 - 14:19 4°
14 318 - 47 09:19 - 13:37 2°	8 312 - 53 08:46 - 14:09 4°	9 313 - 52 08:51 - 14:04 4°	10 314 - 51 08:57 - 13:59 3°	11 315 - 50 09:02 - 13:54 3°	12 316 - 49 09:08 - 13:48 3°	13 317 - 48 09:14 - 13:43 3°
21 325 - 40 10:06 - 12:53 1°	15 319 - 46 09:25 - 13:31 2°	16 320 - 45 09:32 - 13:26 2°	17 321 - 44 09:38 - 13:20 2°	18 322 - 43 09:45 - 13:13 1°	19 323 - 42 09:52 - 13:07 1°	20 324 - 41 09:59 - 13:00 1°
28 332 - 33 Polar Night	22 326 - 39 10:14 - 12:46 1°	23 327 - 38 10:23 - 12:38 1°	24 328 - 37 10:32 - 12:29 0°	25 329 - 36 10:43 - 12:19 0°	26 330 - 35 10:57 - 12:06 0°	27 331 - 34 11:19 - 11:44 0°

A coordinate plane with x and y axes ranging from -90 to 90. The x-axis is labeled 'East' at -90 and 'West' at 90. The y-axis is labeled 'Sun elevation, for Dec. 21' at 90 and 'Sun depression, for Dec. 21' at -90. The grid lines are spaced every 30 units.



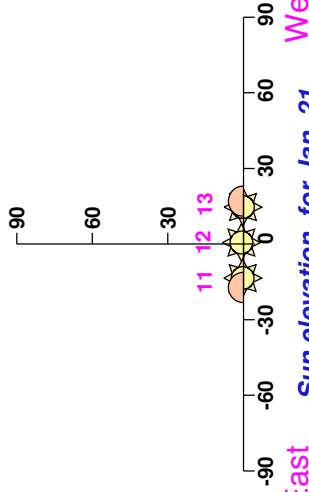
18.95°E, 69.65°N



Saturday

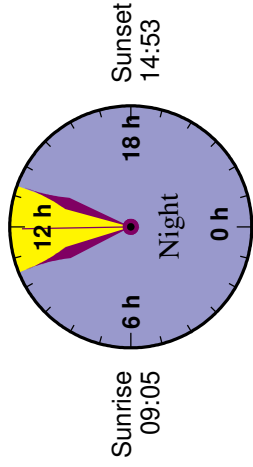
52

January 2023



Tromsø

18.95°E, 69.65°N



Sun elevation, for Jan. 21

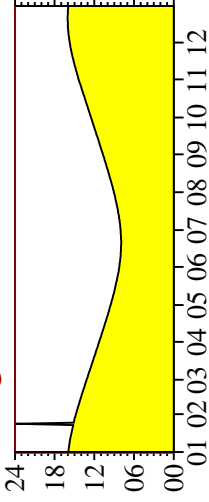
Duration of the day, for January 21

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

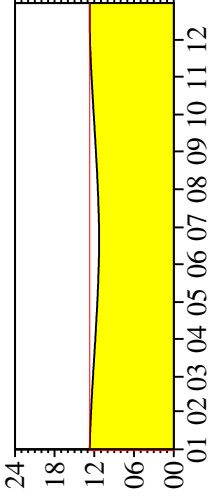
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
2 2 - 363 Polar Night	3 3 - 362 Polar Night	4 4 - 361 Polar Night	5 5 - 360 Polar Night	6 6 - 359 Polar Night	7 7 - 358 Polar Night	1 1 - 364 Polar Night
9 9 - 356 Polar Night	10 10 - 355 Polar Night	11 11 - 354 Polar Night	12 12 - 353 Polar Night	13 13 - 352 Polar Night	14 14 - 351 Polar Night	8 8 - 357 Polar Night
16 16 - 349 11:17 - 12:32 0°	17 17 - 348 11:05 - 12:45 0°	18 18 - 347 10:55 - 12:55 0°	19 19 - 346 10:46 - 13:05 1°	20 20 - 345 10:38 - 13:13 1°	21 21 - 344 10:31 - 13:21 1°	15 15 - 350 11:36 - 12:12 0°
23 23 - 342 10:17 - 13:36 1°	24 24 - 341 10:11 - 13:43 2°	25 25 - 340 10:05 - 13:49 2°	26 26 - 339 09:59 - 13:56 2°	27 27 - 338 09:53 - 14:02 2°	28 28 - 337 09:47 - 14:08 2°	22 22 - 343 10:24 - 13:29 1°
30 30 - 335 09:36 - 14:20 3°	31 31 - 334 09:31 - 14:26 3°	25 25 - 340 10:05 - 13:49 2°	26 26 - 339 09:59 - 13:56 2°	27 27 - 338 09:53 - 14:02 2°	28 28 - 337 09:47 - 14:08 2°	29 29 - 336 09:42 - 14:14 3°

Day duration for any cities for 2021

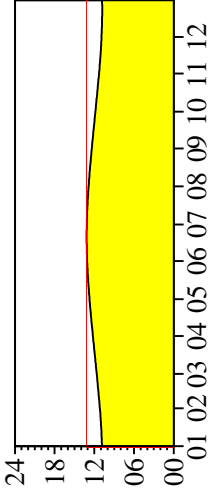
Kerguelen 69.33°E, -49.33°N



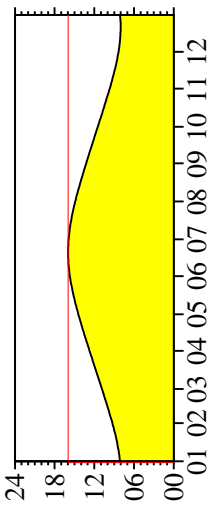
Lima -77.03°E, -12.05°N



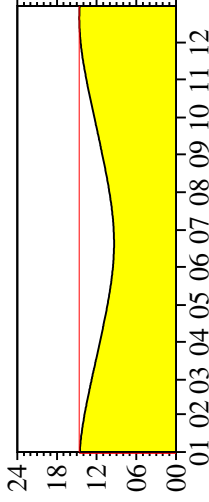
Mexico -99.13°E, 19.43°N



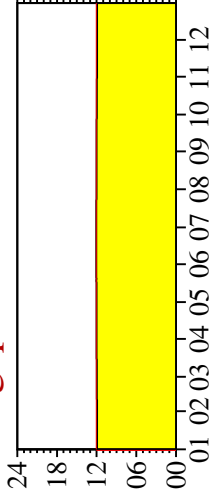
Paris 2.35°E, 48.86°N



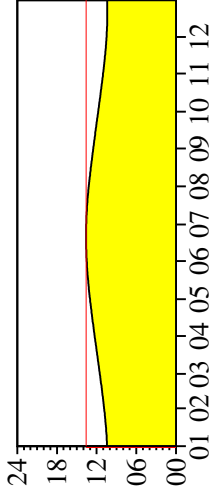
Melbourne 144.97°E, -37.81°N



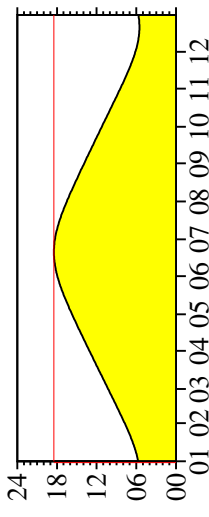
Singapour 103.85°E, 1.03°N



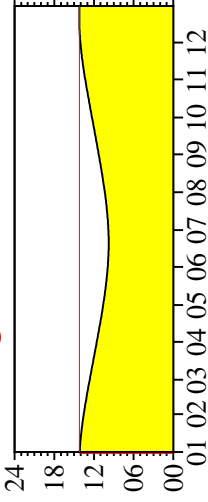
Miami -80.22°E, 25.78°N



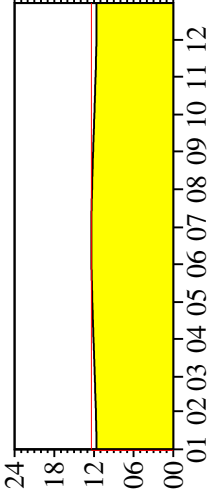
Oslo 10.75°E, 59.92°N



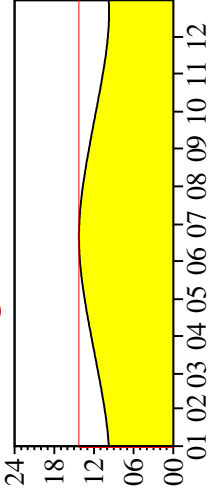
Santiago -70.65°E, -33.43°N



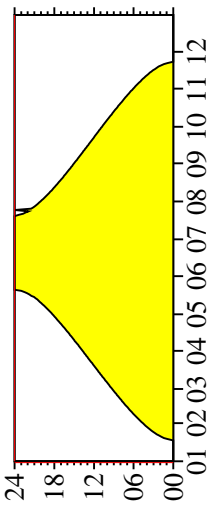
Colombo 79.83°E, 6.92°N



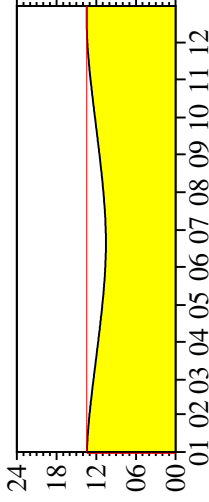
Los Angeles -118.24°E, 34.05°N



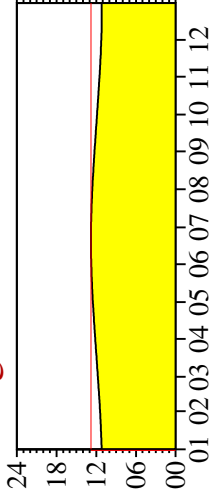
Tromso 18.97°E, 69.66°N



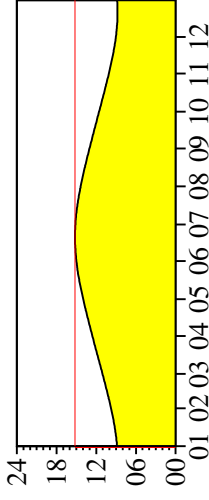
Sao Paulo -46.63°E, -23.55°N



Bangkok 100.49°E, 13.75°N



Marseille 5.38°E, 43.3°N



Ny Alesund 11.92°E, 78.92°N

