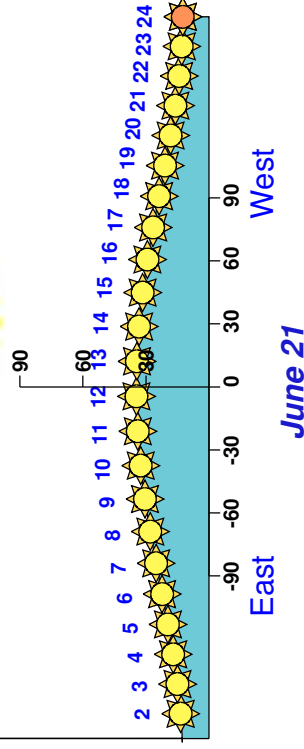


Sun Calendar 2022

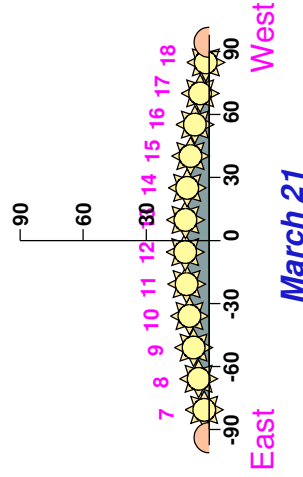
Produced by *ScientiDev*
www.scientidev.fr



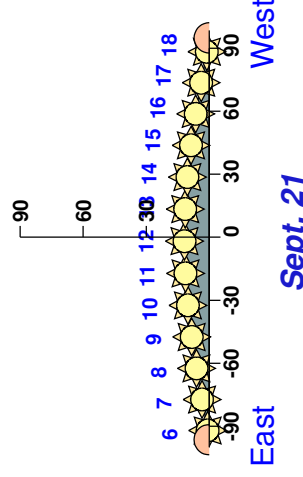
Summer



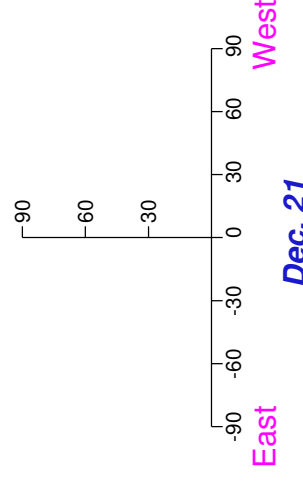
Spring



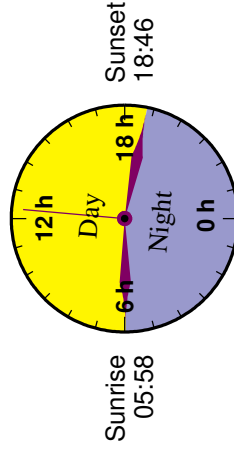
Autumn



Winter

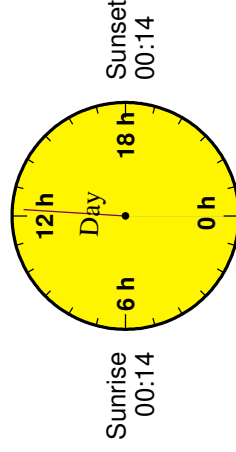


Day duration 12:48



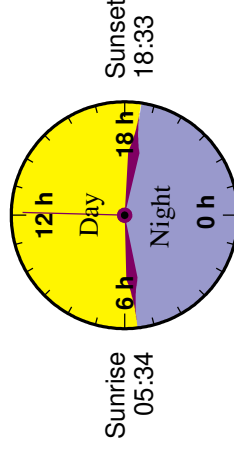
Spring Equinox

Day duration 24:00



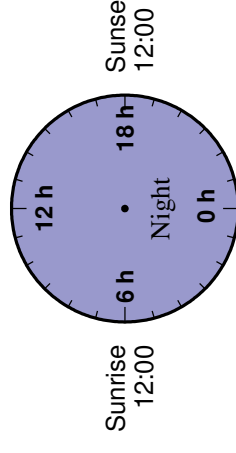
Summer Solstice

Day duration 13:00

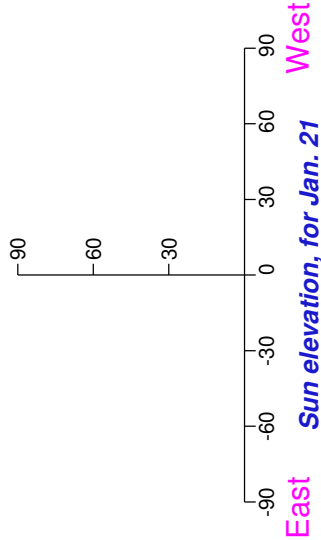


Autumn Equinox

Day duration 00:00

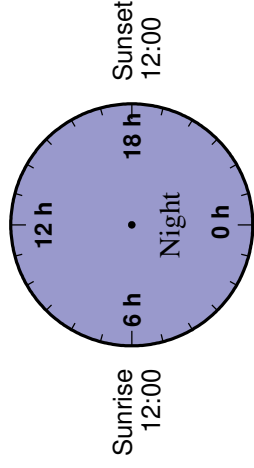


January 2022



Ny-Alesund

11.92°E, 78.92°N



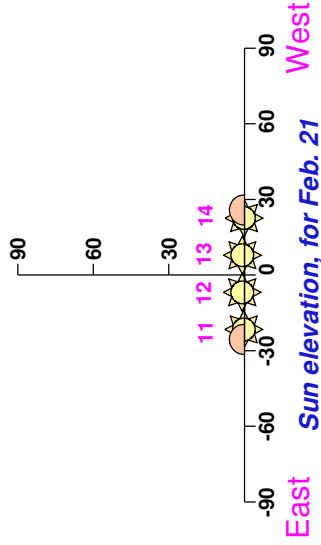
East Sun elevation, for Jan. 21 West

Duration of the day, for January 21

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

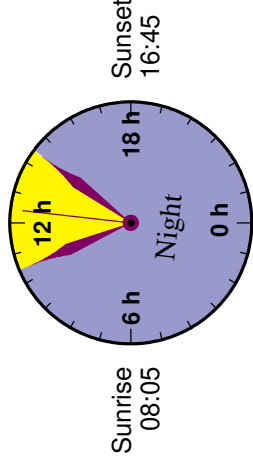
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	3 3 - 362 Polar Night	4 4 - 361 Polar Night	5 5 - 360 Polar Night	6 6 - 359 Polar Night	7 7 - 358 Polar Night	8 8 - 357 Polar Night	9 9 - 356 Polar Night
2	10 10 - 355 Polar Night	11 11 - 354 Polar Night	12 12 - 353 Polar Night	13 13 - 352 Polar Night	14 14 - 351 Polar Night	15 15 - 350 Polar Night	16 16 - 349 Polar Night
3	17 17 - 348 Polar Night	18 18 - 347 Polar Night	19 19 - 346 Polar Night	20 20 - 345 Polar Night	21 21 - 344 Polar Night	22 22 - 343 Polar Night	23 23 - 342 Polar Night
4	24 24 - 341 Polar Night	25 25 - 340 Polar Night	26 26 - 339 Polar Night	27 27 - 338 Polar Night	28 28 - 337 Polar Night	29 29 - 336 Polar Night	30 30 - 335 Polar Night
5	31 31 - 334 Polar Night						

February 2022



Ny-Alesund

11.92°E, 78.92°N



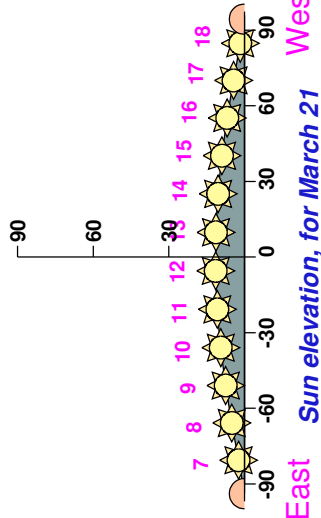
Sun elevation, for Feb. 21

Duration of the day, for February 21

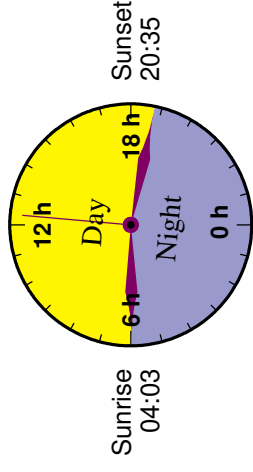
Sunrise and Sunset at Ny-Alesund (TL ± 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7 38 - 327 Polar Night	1 32 - 333 Polar Night	2 33 - 332 Polar Night	3 34 - 331 Polar Night	4 35 - 330 Polar Night	5 36 - 329 Polar Night	6 37 - 328 Polar Night
14 45 - 320 Polar Night	8 39 - 326 Polar Night	9 40 - 325 Polar Night	10 41 - 324 Polar Night	11 42 - 323 Polar Night	12 43 - 322 Polar Night	13 44 - 321 Polar Night
21 52 - 313 10:28 - 14:27 1°	15 46 - 319 Polar Night	16 47 - 318 Polar Night	17 48 - 317 12:16 - 12:40 0°	18 49 - 316 11:28 - 13:28 0°	19 50 - 315 11:03 - 13:52 0°	20 51 - 314 10:44 - 14:11 1°
28 59 - 306 09:03 - 15:50 3°	22 53 - 312 10:13 - 14:41 1°	23 54 - 311 10:00 - 14:55 2°	24 55 - 310 09:47 - 15:07 2°	25 56 - 309 09:35 - 15:19 2°	26 57 - 308 09:24 - 15:30 3°	27 58 - 307 09:13 - 15:40 3°

March 2022



Ny-Alesund
11.92°E, 78.92°N



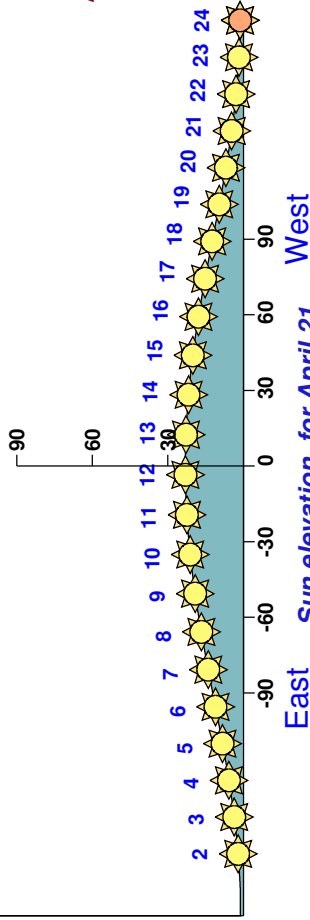
East West

Duration of the day, for March 21

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

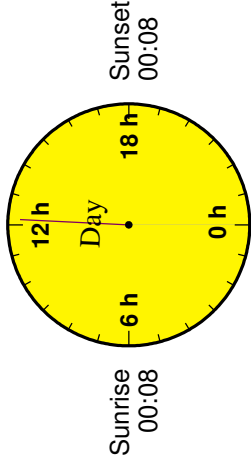
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7 66 - 299 07:56 - 16:54 6°	1 60 - 305 08:52 - 16:00 4°	2 61 - 304 08:43 - 16:10 5°	3 62 - 303 08:33 - 16:19 5°	4 63 - 302 08:24 - 16:28 5°	5 64 - 301 08:14 - 16:37 5°	6 65 - 300 08:05 - 16:45 6°
14 73 - 292 06:56 - 17:51 9°	8 67 - 298 07:47 - 17:02 6°	9 68 - 297 07:39 - 17:11 7°	10 69 - 296 07:30 - 17:19 7°	11 70 - 295 07:22 - 17:27 8°	12 71 - 294 07:13 - 17:35 8°	13 72 - 293 07:05 - 17:43 8°
21 80 - 285 05:58 - 18:46 11°	15 74 - 291 06:48 - 17:59 9°	16 75 - 290 06:39 - 18:07 10°	17 76 - 289 06:31 - 18:14 10°	18 77 - 288 06:23 - 18:22 10°	19 78 - 287 06:14 - 18:30 11°	20 79 - 286 06:06 - 18:38 11°
28 87 - 278 04:58 - 19:42 14°	22 81 - 284 05:49 - 18:54 12°	23 82 - 283 05:41 - 19:02 12°	24 83 - 282 05:33 - 19:10 13°	25 84 - 281 05:24 - 19:18 13°	26 85 - 280 05:16 - 19:26 13°	27 86 - 279 05:07 - 19:34 14°

April 2022



Ny-Alesund

11.92°E, 78.92°N

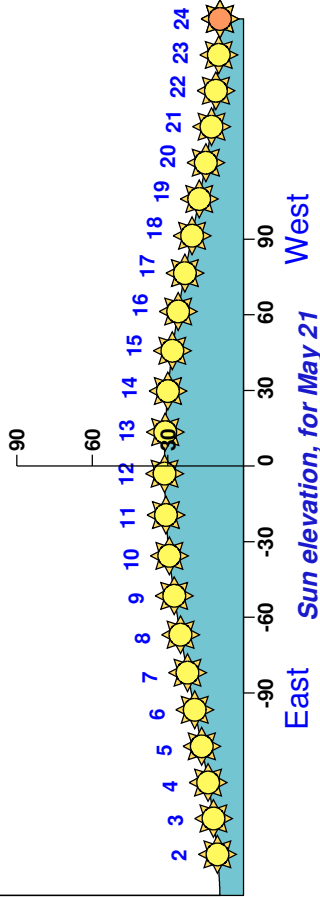


Duration of the day, for April 21

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

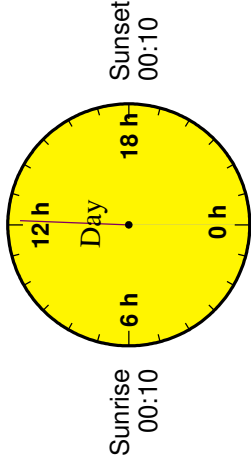
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
13	4 94 - 271 03:53 - 20:44 17°	5 95 - 270 03:43 - 20:54 17°	6 96 - 269 03:33 - 21:04 18°	7 97 - 268 03:22 - 21:15 18°	8 98 - 267 03:11 - 21:26 18°	9 99 - 266 03:00 - 21:38 19°	10 100 - 265 02:47 - 21:50 19°	11 101 - 264 02:34 - 22:04 20°	12 102 - 263 02:20 - 22:19 20°	13 103 - 262 02:05 - 22:36 20°	14 104 - 261 01:47 - 22:56 21°	15 105 - 260 00:57 - 23:25 21°	16 106 - 259 Day at anytime
	18 108 - 257 Day at anytime	19 109 - 256 Day at anytime	20 110 - 255 Day at anytime	21 111 - 254 Day at anytime	22 112 - 253 Day at anytime	23 113 - 252 Day at anytime	24 114 - 251 Day at anytime	25 115 - 250 Day at anytime	26 116 - 249 Day at anytime	27 117 - 248 Day at anytime	28 118 - 247 Day at anytime	29 119 - 246 Day at anytime	30 120 - 245 Day at anytime
	11 101 - 264 02:34 - 22:04 20°	12 102 - 263 02:20 - 22:19 20°	13 103 - 262 02:05 - 22:36 20°	14 104 - 261 01:47 - 22:56 21°	15 105 - 260 00:57 - 23:25 21°	16 106 - 259 Day at anytime	17 107 - 258 Day at anytime	18 108 - 257 Day at anytime	19 109 - 256 Day at anytime	20 110 - 255 Day at anytime	21 111 - 254 Day at anytime	22 112 - 253 Day at anytime	23 113 - 252 Day at anytime
	4 94 - 271 03:53 - 20:44 17°	5 95 - 270 03:43 - 20:54 17°	6 96 - 269 03:33 - 21:04 18°	7 97 - 268 03:22 - 21:15 18°	8 98 - 267 03:11 - 21:26 18°	9 99 - 266 03:00 - 21:38 19°	10 100 - 265 02:47 - 21:50 19°	11 101 - 264 02:34 - 22:04 20°	12 102 - 263 02:20 - 22:19 20°	13 103 - 262 02:05 - 22:36 20°	14 104 - 261 01:47 - 22:56 21°	15 105 - 260 00:57 - 23:25 21°	16 106 - 259 Day at anytime
	18 108 - 257 Day at anytime	19 109 - 256 Day at anytime	20 110 - 255 Day at anytime	21 111 - 254 Day at anytime	22 112 - 253 Day at anytime	23 113 - 252 Day at anytime	24 114 - 251 Day at anytime	25 115 - 250 Day at anytime	26 116 - 249 Day at anytime	27 117 - 248 Day at anytime	28 118 - 247 Day at anytime	29 119 - 246 Day at anytime	30 120 - 245 Day at anytime

May 2022



Ny-Alesund

11.92°E, 78.92°N



Duration of the day, for May 21

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

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
17	18	19	20	21	22	23
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

121 - 244
Day at anytime

128 - 237
Day at anytime

135 - 230
Day at anytime

142 - 223
Day at anytime

149 - 216
Day at anytime

127 - 238
Day at anytime

134 - 231
Day at anytime

141 - 224
Day at anytime

148 - 217
Day at anytime

126 - 239
Day at anytime

133 - 232
Day at anytime

140 - 225
Day at anytime

147 - 218
Day at anytime

125 - 240
Day at anytime

132 - 233
Day at anytime

139 - 226
Day at anytime

146 - 219
Day at anytime

124 - 241
Day at anytime

131 - 234
Day at anytime

138 - 227
Day at anytime

145 - 220
Day at anytime

123 - 242
Day at anytime

130 - 235
Day at anytime

137 - 228
Day at anytime

144 - 221
Day at anytime

151 - 214
Day at anytime

122 - 243
Day at anytime

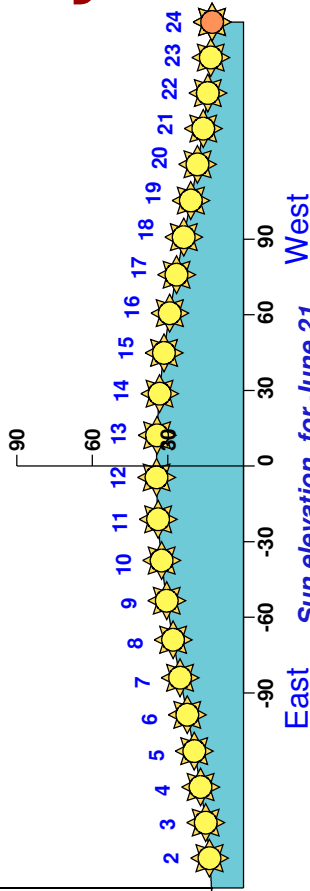
129 - 236
Day at anytime

136 - 229
Day at anytime

143 - 222
Day at anytime

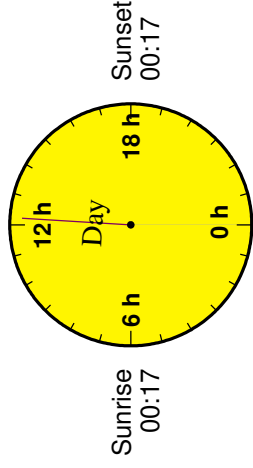
150 - 215
Day at anytime

June 2022



Ny-Alesund

11.92°E, 78.92°N

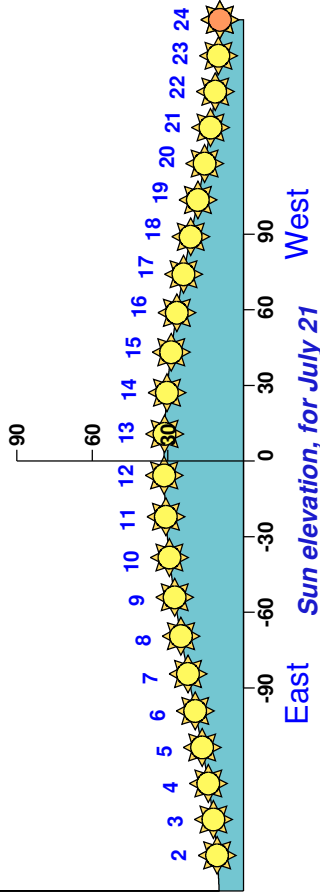


Duration of the day, for June 21

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

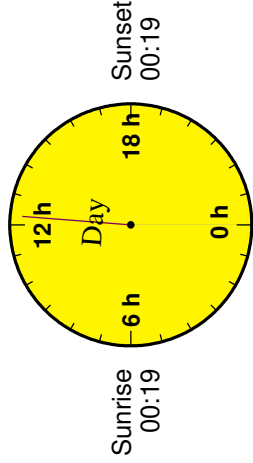
Monday		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
22	6 157 - 208 Day at anytime	7 158 - 207 Day at anytime	1 152 - 213 Day at anytime	2 153 - 212 Day at anytime	3 154 - 211 Day at anytime	4 155 - 210 Day at anytime	5 156 - 209 Day at anytime
23	13 164 - 201 Day at anytime	14 165 - 200 Day at 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
24	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
25	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



Ny-Alesund

11.92°E, 78.92°N

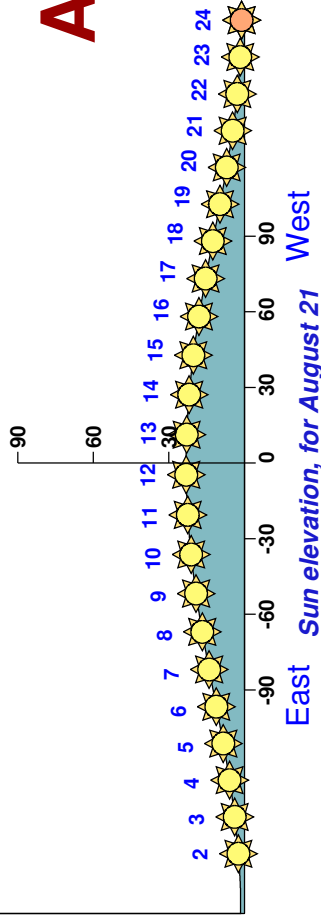


Duration of the day, for July 21

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

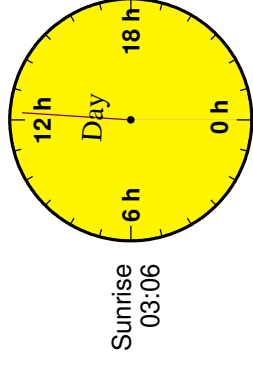
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
26	27	28	29	30		
4 185 - 180 Day at anytime	5 186 - 179 Day at anytime	6 187 - 178 Day at anytime	7 188 - 177 Day at anytime	1 182 - 183 Day at anytime	2 183 - 182 Day at anytime	3 184 - 181 Day at anytime
11 192 - 173 Day at anytime	12 193 - 172 Day at anytime	13 194 - 171 Day at anytime	14 195 - 170 Day at anytime	8 189 - 176 Day at anytime	9 190 - 175 Day at anytime	10 191 - 174 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	15 196 - 169 Day at anytime	16 197 - 168 Day at anytime	17 198 - 167 Day at anytime
25 206 - 159 Day at anytime	26 207 - 158 Day at anytime	27 208 - 157 Day at anytime	28 209 - 156 Day at anytime	22 203 - 162 Day at anytime	23 204 - 161 Day at anytime	24 205 - 160 Day at anytime
				29 210 - 155 Day at anytime	30 211 - 154 Day at anytime	31 212 - 153 Day at anytime

August 2022



Ny-Alesund

11.92°E, 78.92°N

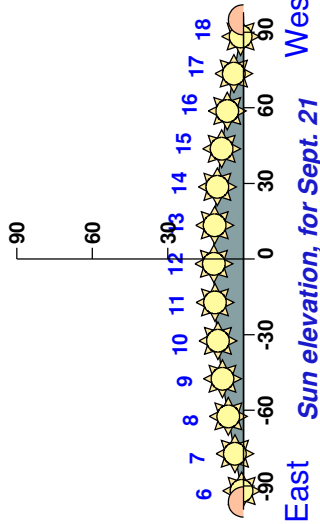


Duration of the day, for August 21

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

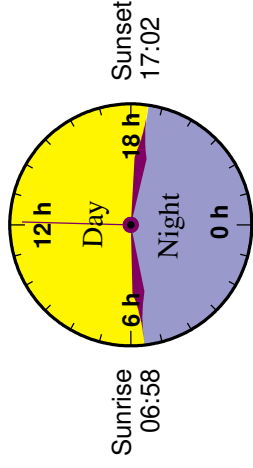
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1 213 - 152 Day at anytime		2 214 - 151 Day at anytime		3 215 - 150 Day at anytime		4 216 - 149 Day at anytime		5 217 - 148 Day at anytime		6 218 - 147 Day at anytime		7 219 - 146 Day at anytime	
8 220 - 145 Day at anytime		9 221 - 144 Day at anytime		10 222 - 143 Day at anytime		11 223 - 142 Day at anytime		12 224 - 141 Day at anytime		13 225 - 140 Day at anytime		14 226 - 139 Day at anytime	
15 227 - 138 Day at anytime		16 228 - 137 Day at anytime		17 229 - 136 Day at anytime		18 230 - 135 Day at anytime		19 231 - 134 Day at anytime		20 232 - 133 Day at anytime		21 233 - 132 Day at anytime	
22 234 - 131 Day at anytime		23 235 - 130 Day at anytime		24 236 - 129 Day at anytime		25 237 - 128 Day at anytime		26 238 - 127 00:46 - 23:45 21°		27 239 - 126 Day at anytime		28 240 - 125 01:21 - 22:46 21°	
29 241 - 124 01:43 - 22:28 20°		30 242 - 123 02:01 - 22:12 20°		31 243 - 122 02:17 - 21:58 20°									
31													
32													
33													
34													
35													

September 2022



Ny-Alesund

11.92°E, 78.92°N



Duration of the day, for September 21

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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

35

5	248 - 117 03:17 - 20:58 18°	6	249 - 116 03:27 - 20:48 17°	7	250 - 115 03:37 - 20:38 17°	1	244 - 121 02:30 - 21:44 19°	2	245 - 120 02:43 - 21:32 19°	3	246 - 119 02:55 - 21:20 19°	4	247 - 118 03:06 - 21:09 18°
12	255 - 110 04:21 - 19:50 15°	13	256 - 109 04:30 - 19:42 15°	14	257 - 108 04:38 - 19:33 14°	8	251 - 114 03:46 - 20:28 17°	9	252 - 113 03:55 - 20:18 16°	10	253 - 112 04:04 - 20:09 16°	11	254 - 111 04:13 - 20:00 16°

36

19	262 - 103 05:18 - 18:50 13°	20	263 - 102 05:26 - 18:42 12°	21	264 - 101 05:34 - 18:33 12°	15	258 - 107 04:46 - 19:24 14°	16	259 - 106 04:54 - 19:15 14°	17	260 - 105 05:02 - 19:07 13°	18	261 - 104 05:10 - 18:58 13°
26	269 - 96 06:12 - 17:52 10°	27	270 - 95 06:19 - 17:44 9°	28	271 - 94 06:27 - 17:35 9°	22	265 - 100 05:41 - 18:25 11°	23	266 - 99 05:49 - 18:17 11°	24	267 - 98 05:57 - 18:08 11°	25	268 - 97 06:04 - 18:00 10°

37

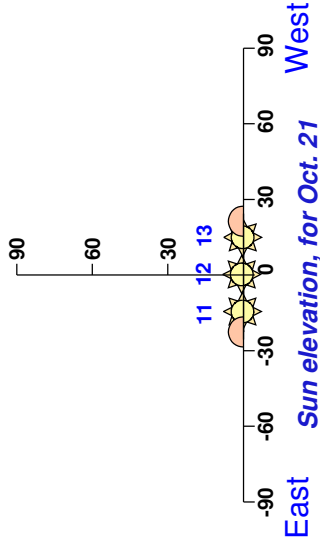
19	262 - 103 05:18 - 18:50 13°	20	263 - 102 05:26 - 18:42 12°	21	264 - 101 05:34 - 18:33 12°	15	258 - 107 04:46 - 19:24 14°	16	259 - 106 04:54 - 19:15 14°	17	260 - 105 05:02 - 19:07 13°	18	261 - 104 05:10 - 18:58 13°
26	269 - 96 06:12 - 17:52 10°	27	270 - 95 06:19 - 17:44 9°	28	271 - 94 06:27 - 17:35 9°	22	265 - 100 05:41 - 18:25 11°	23	266 - 99 05:49 - 18:17 11°	24	267 - 98 05:57 - 18:08 11°	25	268 - 97 06:04 - 18:00 10°

38

19	262 - 103 05:18 - 18:50 13°	20	263 - 102 05:26 - 18:42 12°	21	264 - 101 05:34 - 18:33 12°	15	258 - 107 04:46 - 19:24 14°	16	259 - 106 04:54 - 19:15 14°	17	260 - 105 05:02 - 19:07 13°	18	261 - 104 05:10 - 18:58 13°
26	269 - 96 06:12 - 17:52 10°	27	270 - 95 06:19 - 17:44 9°	28	271 - 94 06:27 - 17:35 9°	22	265 - 100 05:41 - 18:25 11°	23	266 - 99 05:49 - 18:17 11°	24	267 - 98 05:57 - 18:08 11°	25	268 - 97 06:04 - 18:00 10°

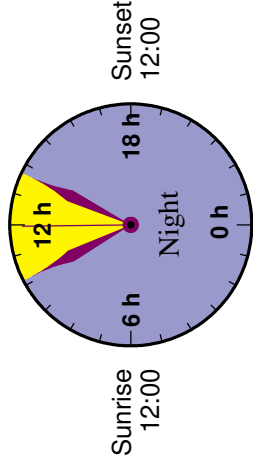
39

October 2022



Ny-Alesund

11.92°E, 78.92°N



East Sun elevation, for Oct. 21 West

Duration of the day, for October 21

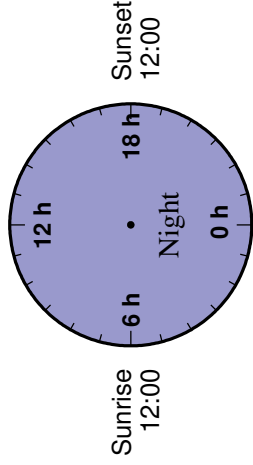
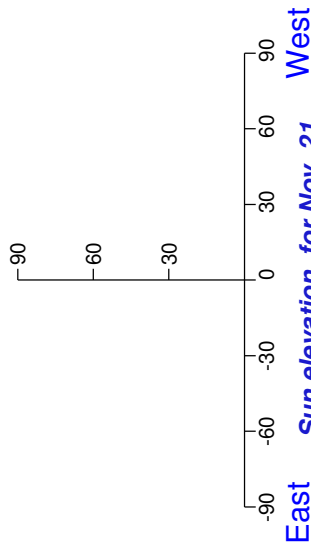
Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
3 07:06 - 16:53 7°	4 07:14 - 16:45 7°	5 07:22 - 16:36 6°	6 07:31 - 16:27 6°	7 07:39 - 16:19 6°	1 06:50 - 17:10 8°	2 06:58 - 17:02 8°
10 08:05 - 15:51 5°	11 08:14 - 15:42 4°	12 08:23 - 15:32 4°	13 08:33 - 15:22 3°	14 08:43 - 15:11 3°	8 07:47 - 16:10 5°	9 07:56 - 16:00 5°
17 09:15 - 14:38 2°	18 09:27 - 14:26 2°	19 09:40 - 14:12 1°	20 09:54 - 13:58 1°	21 10:10 - 13:42 1°	15 08:53 - 15:01 3°	16 09:04 - 14:50 2°
24 11:26 - 12:25 0°	25 Polar Night	26 Polar Night	27 Polar Night	28 Polar Night	22 10:28 - 13:24 1°	23 10:50 - 13:01 0°
31 Polar Night					29 302 - 63 Polar Night	30 303 - 62 Polar Night

November 2022

Ny-Alesund

11.92°E, 78.92°N

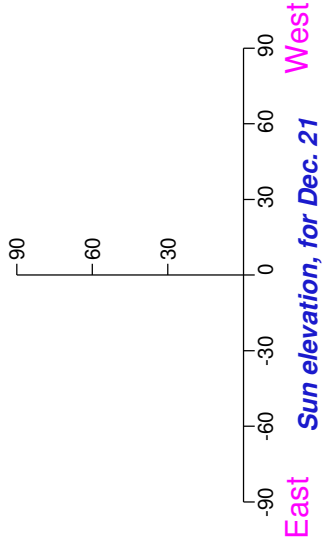


East Sun elevation, for Nov. 21 West

Duration of the day, for November 21

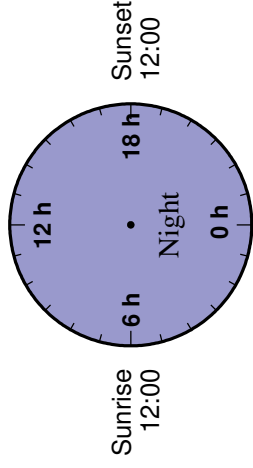
Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation (°)

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



December 2022

Ny-Alesund
11.92°E, 78.92°N



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

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

Duration of the day, for December 21

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

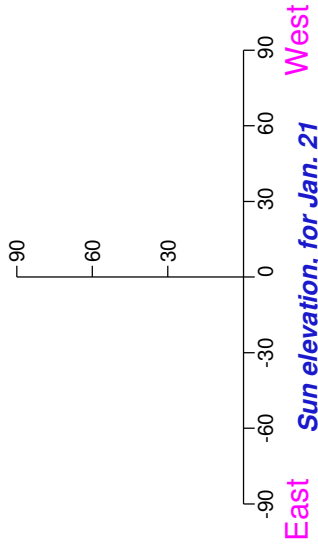
48

49

50

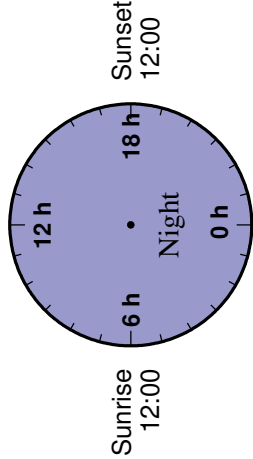
51

52



January 2023

Ny-Alesund
11.92°E, 78.92°N



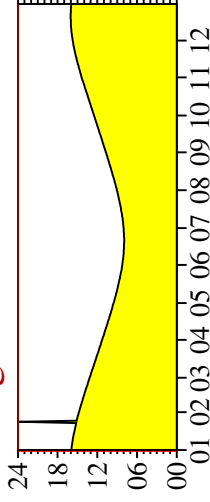
Duration of the day, for January 21

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

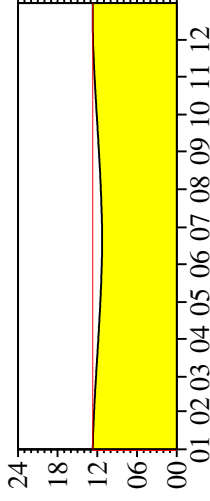
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2 - 363 Polar Night	3 - 362 Polar Night	4 - 361 Polar Night	5 - 360 Polar Night	6 - 359 Polar Night	7 - 358 Polar Night	8 - 357 Polar Night
2	9 - 356 Polar Night	10 - 355 Polar Night	11 - 354 Polar Night	12 - 353 Polar Night	13 - 352 Polar Night	14 - 351 Polar Night	15 - 350 Polar Night
3	16 - 349 Polar Night	17 - 348 Polar Night	18 - 347 Polar Night	19 - 346 Polar Night	20 - 345 Polar Night	21 - 344 Polar Night	22 - 343 Polar Night
4	23 - 342 Polar Night	24 - 341 Polar Night	25 - 340 Polar Night	26 - 339 Polar Night	27 - 338 Polar Night	28 - 337 Polar Night	29 - 336 Polar Night
5	30 - 335 Polar Night	31 - 334 Polar Night					

Day duration for any cities for 2021

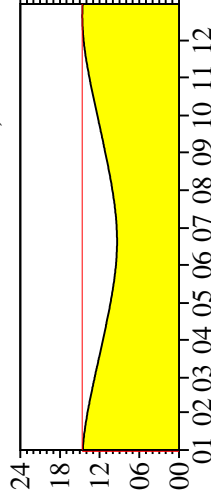
Kerguelen 69.33°E, -49.33°N



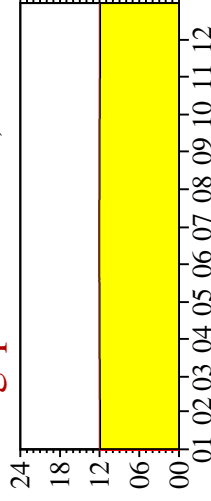
Lima -77.03°E, -12.05°N



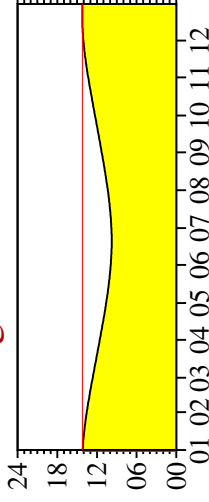
Melbourne 144.97°E, -37.81°N



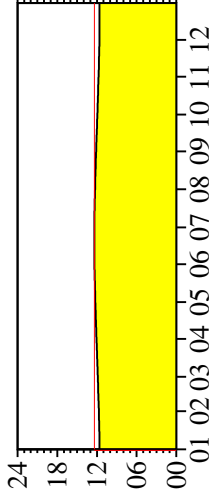
Singapour 103.85°E, 1.03°N



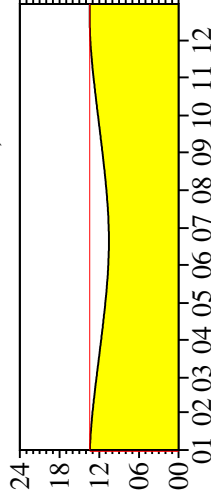
Santiago -70.65°E, -33.43°N



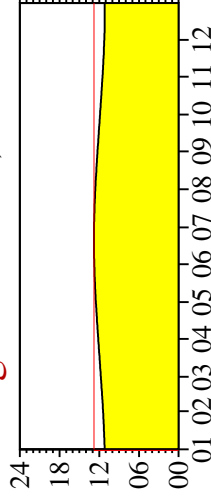
Colombo 79.83°E, 6.92°N



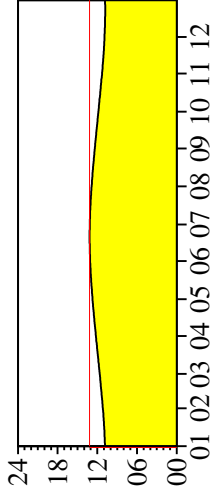
Sao Paulo -46.63°E, -23.55°N



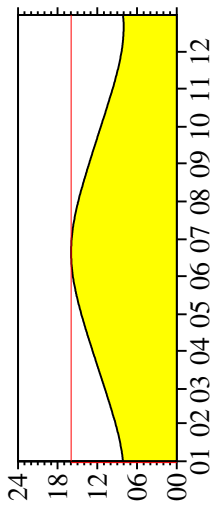
Bangkok 100.49°E, 13.75°N



Mexico -99.13°E, 19.43°N



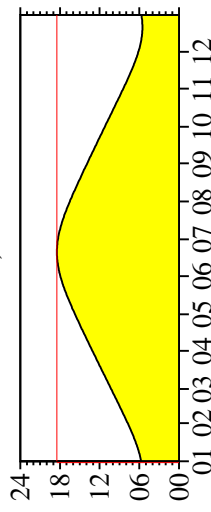
Paris 2.35°E, 48.86°N



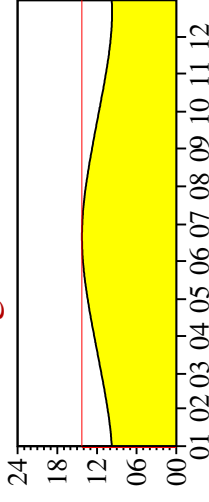
Miami -80.22°E, 25.78°N



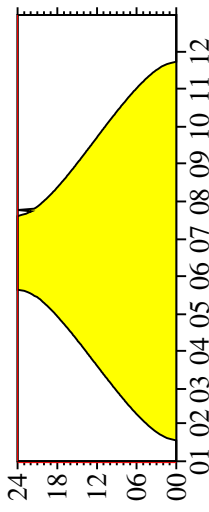
Oslo 10.75°E, 59.92°N



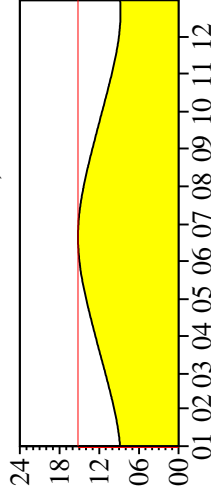
Los Angeles -118.24°E, 34.05°N



Tromso 18.97°E, 69.66°N



Marseille 5.38°E, 43.3°N



Ny Alesund 11.92°E, 78.92°N

