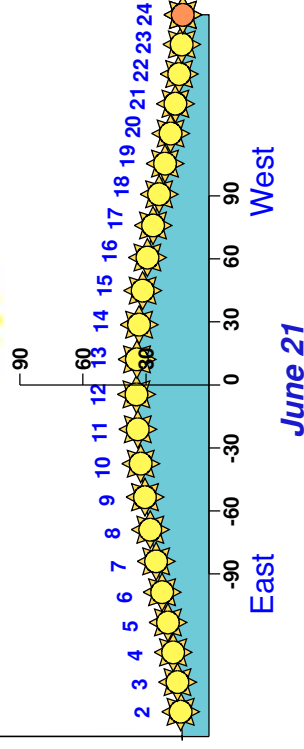


Sun Calendar 2024

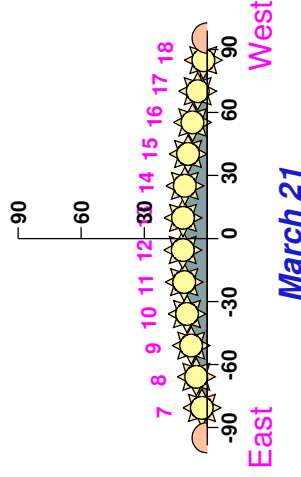
Produced by *ScientiDev*
www.scientidev.fr



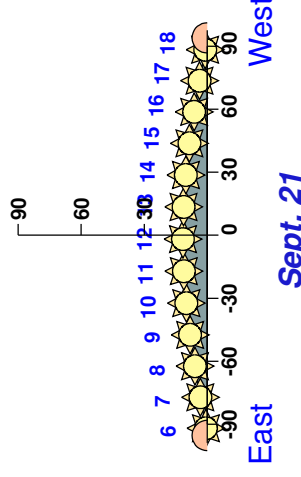
Summer



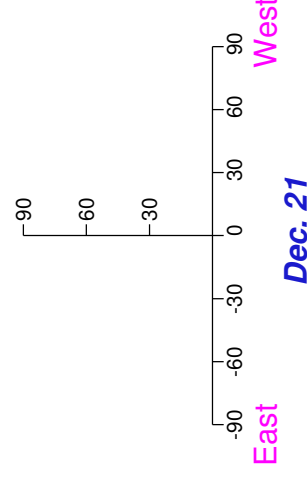
Spring



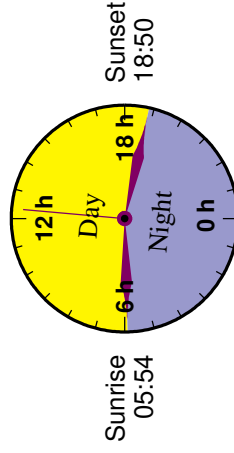
Autumn



Winter

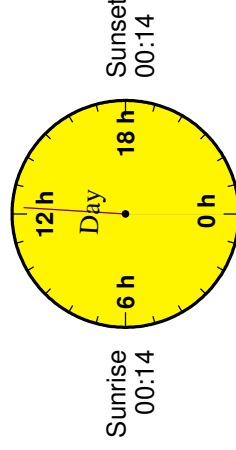


Day duration 12:56



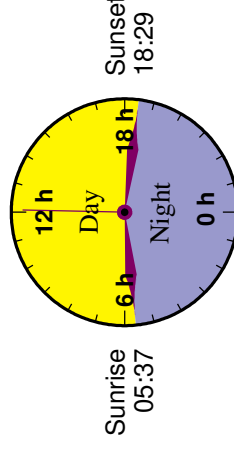
Spring Equinox

Day duration 24:00



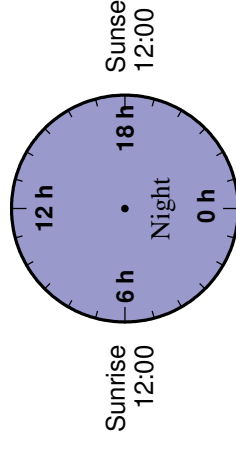
Summer Solstice

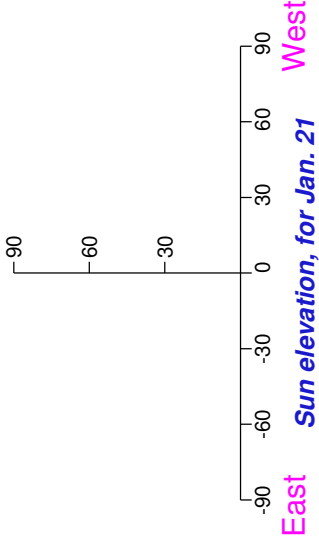
Day duration 12:52



Autumn Equinox

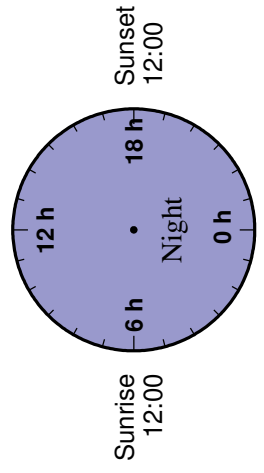
Day duration 00:00





January 2024

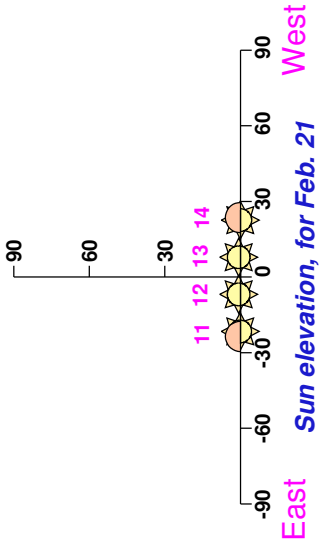
Ny-Alesund
11.92°E, 78.92°N



Duration of the day, for January 21

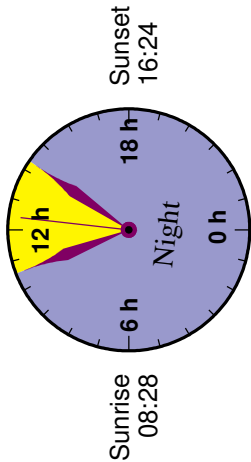
Sunrise and Sunset at Ny-Alesund (TL ± 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 - 365 Polar Night	2 - 364 Polar Night	3 - 363 Polar Night	4 - 362 Polar Night	5 - 361 Polar Night	6 - 360 Polar Night	7 - 359 Polar Night
2	8 - 358 Polar Night	9 - 357 Polar Night	10 - 356 Polar Night	11 - 355 Polar Night	12 - 354 Polar Night	13 - 353 Polar Night	14 - 352 Polar Night
3	15 - 351 Polar Night	16 - 350 Polar Night	17 - 349 Polar Night	18 - 348 Polar Night	19 - 347 Polar Night	20 - 346 Polar Night	21 - 345 Polar Night
4	22 - 344 Polar Night	23 - 343 Polar Night	24 - 342 Polar Night	25 - 341 Polar Night	26 - 340 Polar Night	27 - 339 Polar Night	28 - 338 Polar Night
5	29 - 337 Polar Night	30 - 336 Polar Night	31 - 335 Polar Night				



February 2024

Ny-Alesund
11.92°E, 78.92°N



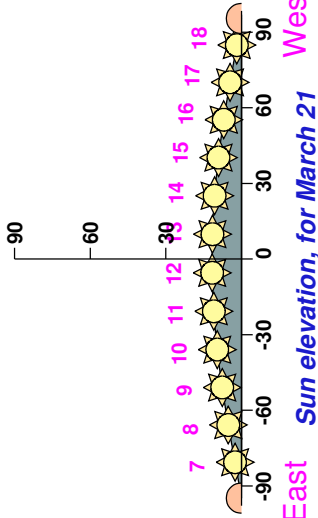
Sun elevation, for Feb. 21

Duration of the day, for February 21

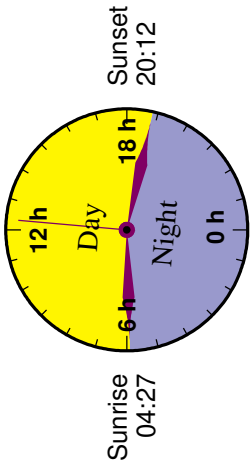
Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5 36 - 330 Polar Night	6 37 - 329 Polar Night	7 38 - 328 Polar Night	1 32 - 334 Polar Night	2 33 - 333 Polar Night	3 34 - 332 Polar Night	4 35 - 331 Polar Night
12 43 - 323 Polar Night	13 44 - 322 Polar Night	14 45 - 321 Polar Night	8 39 - 327 Polar Night	9 40 - 326 Polar Night	10 41 - 325 Polar Night	11 42 - 324 Polar Night
19 50 - 316 11:14 - 13:41 0°	20 51 - 315 10:53 - 14:02 1°	21 52 - 314 10:35 - 14:19 1°	15 46 - 320 Polar Night	16 47 - 319 Polar Night	17 48 - 318 Polar Night	18 49 - 317 11:44 - 13:11 0°
26 57 - 309 09:29 - 15:24 3°	27 58 - 308 09:18 - 15:35 3°	28 59 - 307 09:08 - 15:45 3°	22 53 - 313 10:20 - 14:35 1°	23 54 - 312 10:06 - 14:48 2°	24 55 - 311 09:53 - 15:01 2°	25 56 - 310 09:41 - 15:13 2°

March 2024



Ny-Alesund
11.92°E, 78.92°N



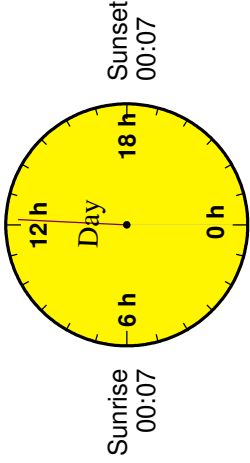
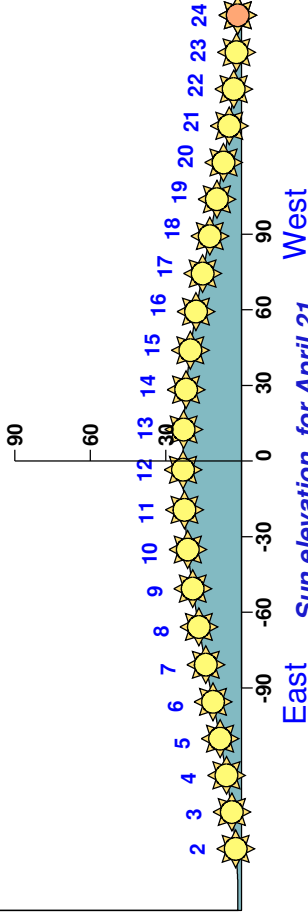
East Sun elevation, for March 21

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
9	4 08:19 - 16:32 5°	5 08:10 - 16:41 5°	6 08:01 - 16:50 6°	7 07:52 - 16:58 6°	1 08:47 - 16:05 4°	2 08:38 - 16:14 4°	3 08:28 - 16:24 5°
10	11 07:17 - 17:31 8°	12 07:09 - 17:39 8°	13 07:00 - 17:47 9°	14 06:52 - 17:55 9°	8 07:43 - 17:07 7°	9 07:34 - 17:15 7°	10 07:26 - 17:23 7°
11	18 06:19 - 18:26 11°	19 06:10 - 18:34 11°	20 06:02 - 18:42 11°	21 05:54 - 18:50 12°	15 06:44 - 18:03 9°	16 06:35 - 18:11 10°	17 06:27 - 18:19 10°
12	25 05:20 - 19:22 13°	26 05:11 - 19:30 14°	27 05:02 - 19:38 14°	28 04:54 - 19:46 14°	22 05:45 - 18:58 12°	23 05:37 - 19:06 12°	24 05:28 - 19:14 13°
13					29 04:45 - 19:55 15°	30 04:36 - 20:04 15°	31 04:27 - 20:12 16°

April 2024

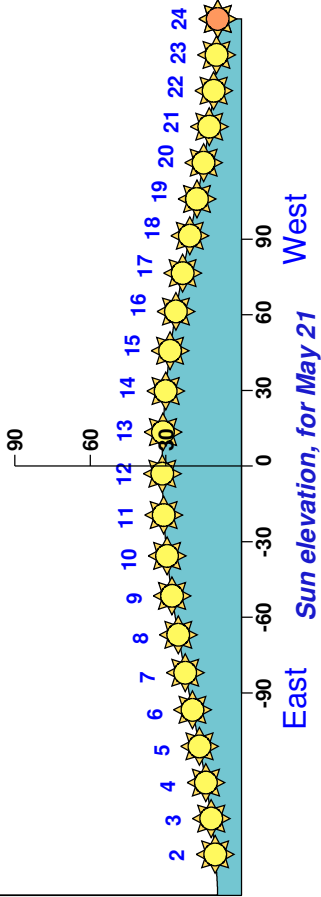


Duration of the day, for April 21

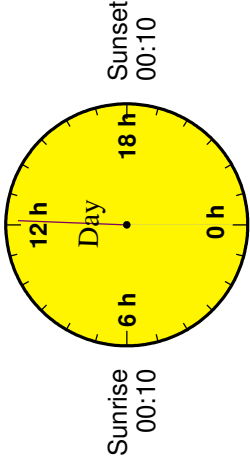
Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
14	1 92 - 274 04:17 - 20:21 16°	2 93 - 273 04:08 - 20:30 16°	3 94 - 272 03:58 - 20:40 17°	4 95 - 271 03:48 - 20:49 17°	5 96 - 270 03:38 - 20:59 17°	6 97 - 269 03:28 - 21:10 18°	7 98 - 268 03:17 - 21:21 18°	15	8 99 - 267 03:05 - 21:32 19°	9 100 - 266 02:53 - 21:44 19°	10 101 - 265 02:41 - 21:57 19°	11 102 - 264 02:27 - 22:11 20°	12 103 - 263 02:13 - 22:27 20°	13 104 - 262 01:56 - 22:46 20°	14 105 - 261 01:37 - 23:10 21°	16	15 106 - 260 00:30 - 23:52 21°	16 107 - 259 Day at anytime	17 108 - 258 Day at anytime	18 109 - 257 Day at anytime	19 110 - 256 Day at anytime	20 111 - 255 Day at anytime	21 112 - 254 Day at anytime	17	22 113 - 253 Day at anytime	23 114 - 252 Day at anytime	24 115 - 251 Day at anytime	25 116 - 250 Day at anytime	26 117 - 249 Day at anytime	27 118 - 248 Day at anytime	28 119 - 247 Day at anytime	18	29 120 - 246 Day at anytime	30 121 - 245 Day at anytime																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

May 2024



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
6 127 - 239 Day at anytime	7 128 - 238 Day at anytime	1 122 - 244 Day at anytime	2 123 - 243 Day at anytime	3 124 - 242 Day at anytime	4 125 - 241 Day at anytime	5 126 - 240 Day at anytime
13 134 - 232 Day at anytime	14 135 - 231 Day at anytime	8 129 - 237 Day at anytime	9 130 - 236 Day at anytime	10 131 - 235 Day at anytime	11 132 - 234 Day at anytime	12 133 - 233 Day at anytime
20 141 - 225 Day at anytime	21 142 - 224 Day at anytime	15 136 - 230 Day at anytime	16 137 - 229 Day at anytime	17 138 - 228 Day at anytime	18 139 - 227 Day at anytime	19 140 - 226 Day at anytime
27 148 - 218 Day at anytime	28 149 - 217 Day at anytime	22 143 - 223 Day at anytime	23 144 - 222 Day at anytime	24 145 - 221 Day at anytime	25 146 - 220 Day at anytime	26 147 - 219 Day at anytime

18

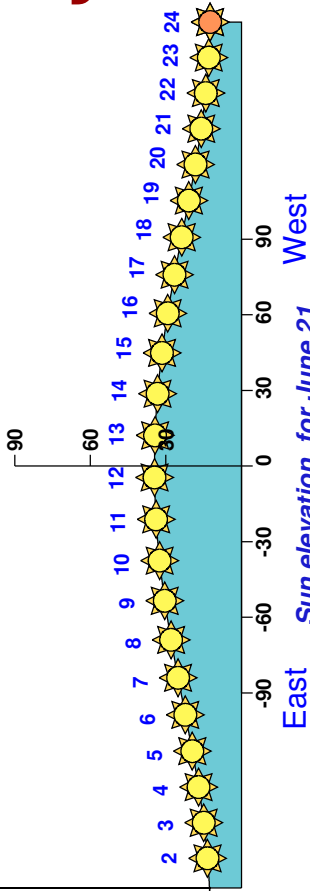
19

20

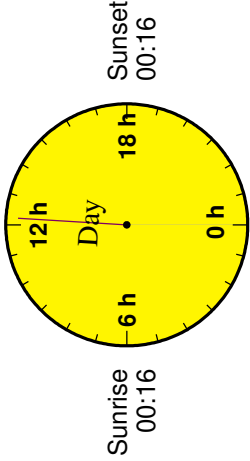
21

22

June 2024



Ny-Alesund
11.92°E, 78.92°N

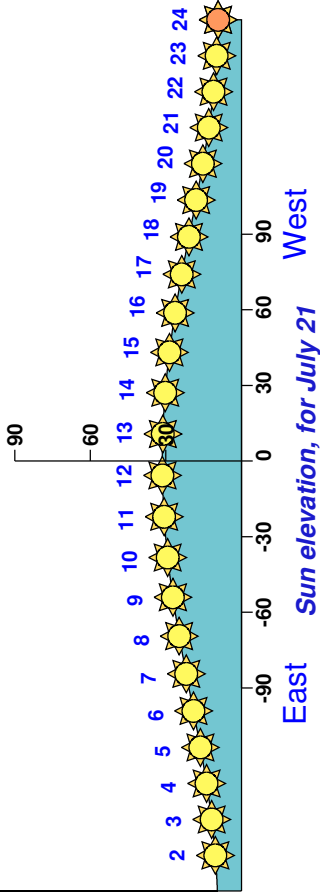


Duration of the day, for June 21

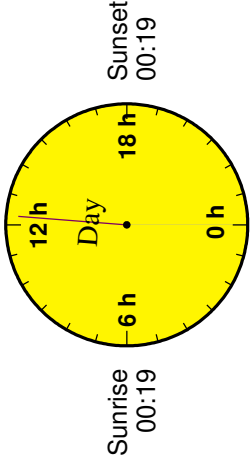
Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
3 155 - 211 Day at anytime	4 156 - 210 Day at anytime	5 157 - 209 Day at anytime	6 158 - 208 Day at anytime	7 159 - 207 Day at anytime	8 160 - 206 Day at anytime	9 161 - 205 Day at anytime	10 162 - 204 Day at anytime
17 169 - 197 Day at anytime	18 170 - 196 Day at anytime	19 171 - 195 Day at anytime	20 172 - 194 Day at anytime	21 173 - 193 Day at anytime	22 174 - 192 Day at anytime	23 175 - 191 Day at anytime	24 176 - 190 Day at anytime
23 162 - 204 Day at anytime	24 163 - 203 Day at anytime	25 164 - 202 Day at anytime	26 165 - 201 Day at anytime	27 166 - 200 Day at anytime	28 167 - 199 Day at anytime	29 168 - 198 Day at anytime	30 169 - 197 Day at anytime
1 153 - 213 Day at anytime	2 154 - 212 Day at anytime	3 155 - 211 Day at anytime	4 156 - 210 Day at anytime	5 157 - 209 Day at anytime	6 158 - 208 Day at anytime	7 159 - 207 Day at anytime	8 160 - 206 Day at anytime
15 167 - 199 Day at anytime	16 168 - 198 Day at anytime	17 169 - 197 Day at anytime	18 170 - 196 Day at anytime	19 171 - 195 Day at anytime	20 172 - 194 Day at anytime	21 173 - 193 Day at anytime	22 174 - 192 Day at anytime
29 181 - 185 Day at anytime	30 182 - 184 Day at anytime	31 183 - 183 Day at anytime	32 184 - 182 Day at anytime	33 185 - 181 Day at anytime	34 186 - 180 Day at anytime	35 187 - 179 Day at anytime	36 188 - 178 Day at anytime

July 2024



Ny-Alesund
11.92°E, 78.92°N

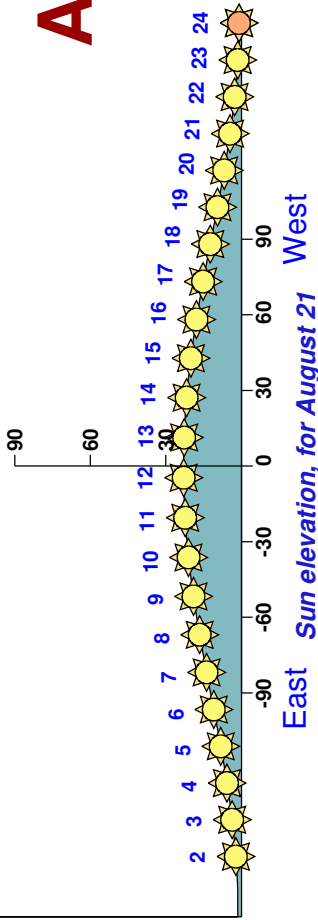


Duration of the day, for July 21

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

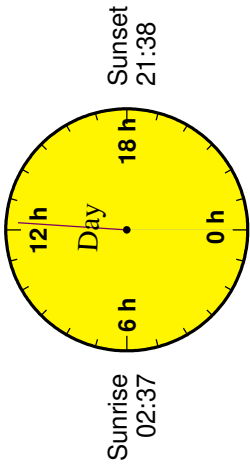
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1	183 - 183 Day at anytime	2	184 - 182 Day at anytime	3	185 - 181 Day at anytime	4	186 - 180 Day at anytime	5	187 - 179 Day at anytime	6	188 - 178 Day at anytime	7	189 - 177 Day at anytime
8	190 - 176 Day at anytime	9	191 - 175 Day at anytime	10	192 - 174 Day at anytime	11	193 - 173 Day at anytime	12	194 - 172 Day at anytime	13	195 - 171 Day at anytime	14	196 - 170 Day at anytime
15	197 - 169 Day at anytime	16	198 - 168 Day at anytime	17	199 - 167 Day at anytime	18	200 - 166 Day at anytime	19	201 - 165 Day at anytime	20	202 - 164 Day at anytime	21	203 - 163 Day at anytime
22	204 - 162 Day at anytime	23	205 - 161 Day at anytime	24	206 - 160 Day at anytime	25	207 - 159 Day at anytime	26	208 - 158 Day at anytime	27	209 - 157 Day at anytime	28	210 - 156 Day at anytime
29	211 - 155 Day at anytime	30	212 - 154 Day at anytime	31	213 - 153 Day at anytime								

August 2024



Ny-Alesund

11.92°E, 78.92°N

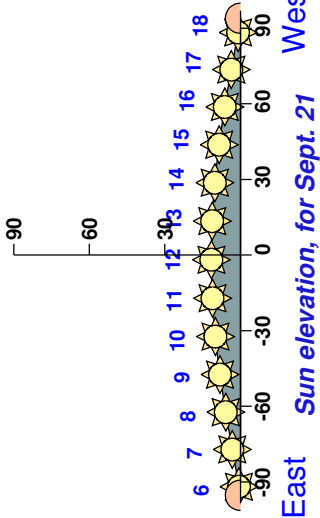


Sun elevation, for August 21

Duration of the day, for August 21

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

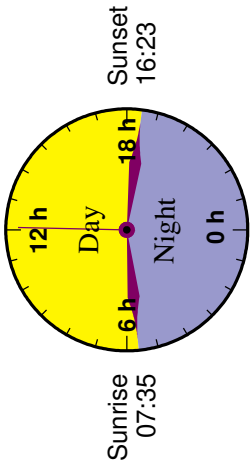
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5 218 - 148 Day at anytime	6 219 - 147 Day at anytime	7 220 - 146 Day at anytime	1 214 - 152 Day at anytime	2 215 - 151 Day at anytime	3 216 - 150 Day at anytime	4 217 - 149 Day at anytime
12 225 - 141 Day at anytime	13 226 - 140 Day at anytime	14 227 - 139 Day at anytime	8 221 - 145 Day at anytime	9 222 - 144 Day at anytime	10 223 - 143 Day at anytime	11 224 - 142 Day at anytime
19 232 - 134 Day at anytime	20 233 - 133 Day at anytime	21 234 - 132 Day at anytime	15 228 - 138 Day at anytime	16 229 - 137 Day at anytime	17 230 - 136 Day at anytime	18 231 - 135 Day at anytime
26 239 - 127 Day at anytime	27 240 - 126 01:07 - 22:57 21°	28 241 - 125 01:33 - 22:36 21°	22 235 - 131 Day at anytime	23 236 - 130 Day at anytime	24 237 - 129 Day at anytime	25 238 - 128 Day at anytime
31 246 - 120 Day at anytime	32 247 - 119 01:33 - 22:36 21°	33 248 - 118 01:33 - 22:36 21°	29 242 - 124 01:53 - 22:19 20°	30 243 - 123 02:09 - 22:04 20°	31 244 - 122 02:24 - 21:51 19°	34 245 - 121 Day at anytime



East West
Sun elevation, for Sept. 21

September 2024

Ny-Alesund
11.92°E, 78.92°N



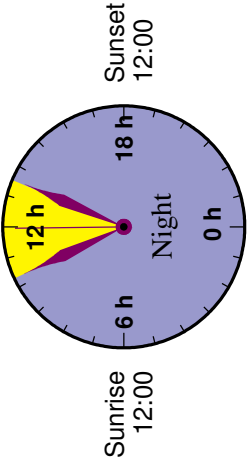
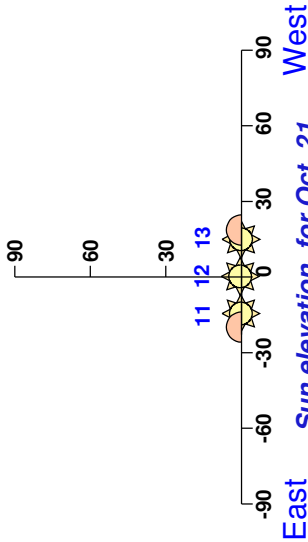
Duration of the day, for September 21

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

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
2 02:49 - 21:26 19°	3 03:01 - 21:14 18°	4 03:12 - 21:03 18°	5 03:22 - 20:53 18°	6 03:32 - 20:42 17°	7 03:41 - 20:32 17°	1 02:37 - 21:38 19°
9 04:00 - 20:13 16°	10 04:09 - 20:04 16°	11 04:17 - 19:55 15°	12 04:26 - 19:46 15°	13 04:34 - 19:37 15°	14 04:42 - 19:28 14°	8 03:51 - 20:23 17°
16 04:58 - 19:11 13°	17 05:06 - 19:03 13°	18 05:14 - 18:54 13°	19 05:22 - 18:46 12°	20 05:30 - 18:37 12°	21 05:37 - 18:29 12°	15 04:50 - 19:20 14°
23 05:53 - 18:12 11°	24 06:00 - 18:04 10°	25 06:08 - 17:56 10°	26 06:16 - 17:48 10°	27 06:23 - 17:39 9°	28 06:31 - 17:31 9°	22 05:45 - 18:21 11°
30 06:47 - 17:14 8°						29 06:39 - 17:23 8°

October 2024

Ny-Alesund
11.92°E, 78.92°N



Sun elevation, for Oct. 21

Duration of the day, for October 21

Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation ($^{\circ}$)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
7	281 - 85 07:43 - 16:14 5°	1	275 - 91 06:54 - 17:06 8°	2	276 - 90 07:02 - 16:58 7°	3	277 - 89 07:10 - 16:49 7°	4	278 - 88 07:18 - 16:40 7°	5	279 - 87 07:27 - 16:32 6°	6	280 - 86 07:35 - 16:23 6°
14	288 - 78 08:48 - 15:06 3°	8	282 - 84 07:52 - 16:05 5°	9	283 - 83 08:01 - 15:56 5°	10	284 - 82 08:10 - 15:46 4°	11	285 - 81 08:19 - 15:37 4°	12	286 - 80 08:28 - 15:27 4°	13	287 - 79 08:38 - 15:16 3°
21	295 - 71 10:19 - 13:33 1°	15	289 - 77 08:59 - 14:55 3°	16	290 - 76 09:10 - 14:44 2°	17	291 - 75 09:21 - 14:32 2°	18	292 - 74 09:34 - 14:19 2°	19	293 - 73 09:47 - 14:05 1°	20	294 - 72 10:02 - 13:50 1°
28	302 - 64 Polar Night	22	296 - 70 10:39 - 13:13 0°	23	297 - 69 11:05 - 12:46 0°	24	298 - 68 Polar Night	25	299 - 67 Polar Night	26	300 - 66 Polar Night	27	301 - 65 Polar Night

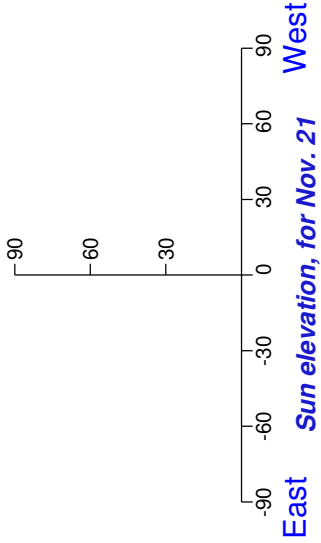
40

41

42

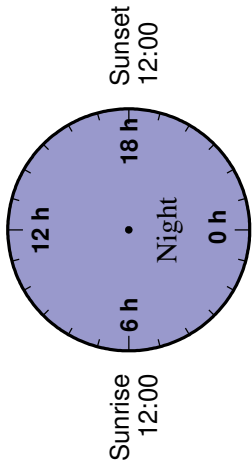
43

44



November 2024

Ny-Alesund
11.92°E, 78.92°N

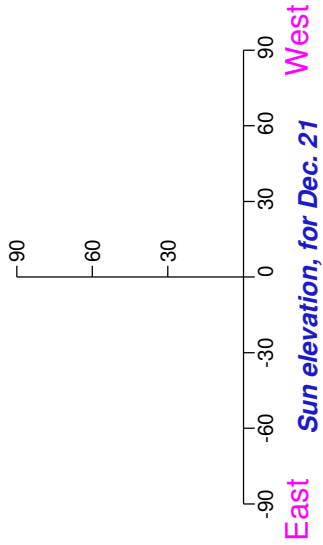


East **Sun elevation, for Nov. 21** West

Duration of the day, for November 21

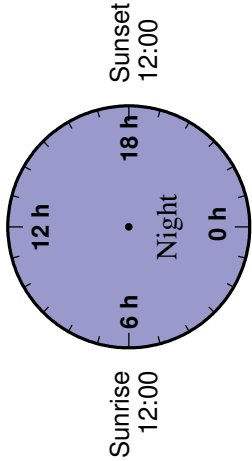
Sunrise and Sunset at Ny-Alesund (TL $\pm$ 1 mn) and sun maximal elevation (°)

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



December 2024

Ny-Alesund
11.92°E, 78.92°N

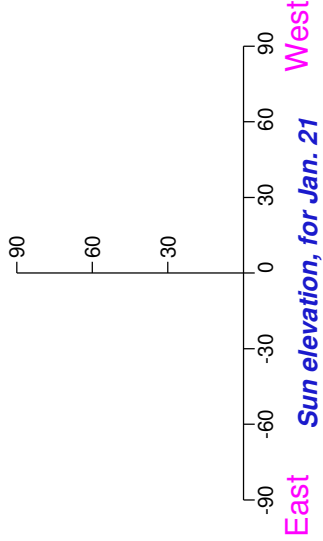


East *Sun elevation, for Dec. 21* West

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

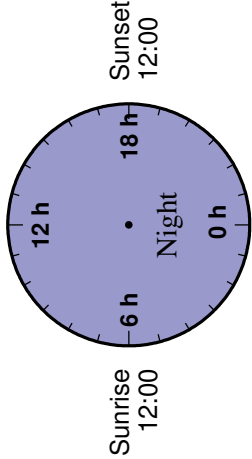
Duration of the day, for December 21

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
2 337 - 29 Polar Night	3 338 - 28 Polar Night	4 339 - 27 Polar Night	5 340 - 26 Polar Night	6 341 - 25 Polar Night	7 342 - 24 Polar Night	8 343 - 23 Polar Night
9 344 - 22 Polar Night	10 345 - 21 Polar Night	11 346 - 20 Polar Night	12 347 - 19 Polar Night	13 348 - 18 Polar Night	14 349 - 17 Polar Night	15 350 - 16 Polar Night
16 351 - 15 Polar Night	17 352 - 14 Polar Night	18 353 - 13 Polar Night	19 354 - 12 Polar Night	20 355 - 11 Polar Night	21 356 - 10 Polar Night	22 357 - 9 Polar Night
23 358 - 8 Polar Night	24 359 - 7 Polar Night	25 360 - 6 Polar Night	26 361 - 5 Polar Night	27 362 - 4 Polar Night	28 363 - 3 Polar Night	29 364 - 2 Polar Night
30 365 - 1 Polar Night	31 366 - 0 Polar Night					



January 2025

Ny-Alesund
11.92°E, 78.92°N



East Sun elevation, for Jan. 21 West

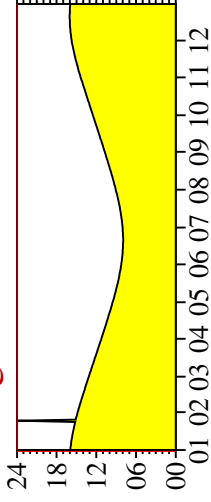
Duration of the day, for January 21

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

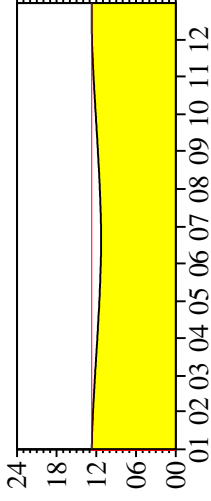
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	6 6 - 359 Polar Night		1 1 - 365 Polar Night	2 2 - 363 Polar Night	3 3 - 362 Polar Night	4 4 - 361 Polar Night	5 5 - 360 Polar Night
2	13 13 - 352 Polar Night	7 7 - 358 Polar Night	8 8 - 357 Polar Night	9 9 - 356 Polar Night	10 10 - 355 Polar Night	11 11 - 354 Polar Night	12 12 - 353 Polar Night
3	20 20 - 345 Polar Night	14 14 - 351 Polar Night	15 15 - 350 Polar Night	16 16 - 349 Polar Night	17 17 - 348 Polar Night	18 18 - 347 Polar Night	19 19 - 346 Polar Night
4	27 27 - 338 Polar Night	21 21 - 344 Polar Night	22 22 - 343 Polar Night	23 23 - 342 Polar Night	24 24 - 341 Polar Night	25 25 - 340 Polar Night	26 26 - 339 Polar Night
5		28 28 - 337 Polar Night	29 29 - 336 Polar Night	30 30 - 335 Polar Night	31 31 - 334 Polar Night		

Day duration for any cities for 2024

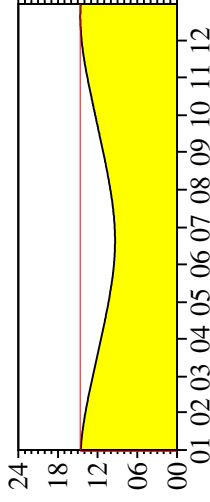
Kerguelen 69.33°E, -49.33°N



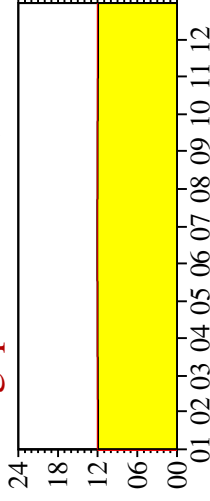
Lima -77.03°E, -12.05°N



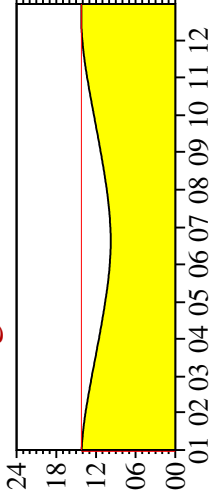
Melbourne 144.97°E, -37.81°N



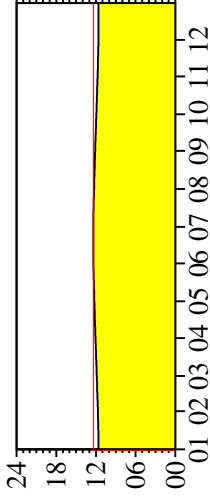
Singapour 103.85°E, 1.03°N



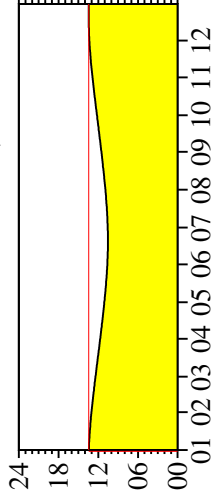
Santiago -70.65°E, -33.43°N



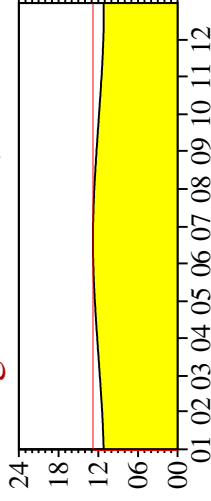
Colombo 79.83°E, 6.92°N



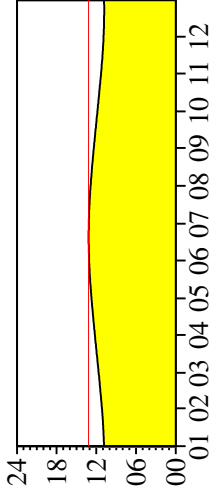
Sao Paulo -46.63°E, -23.55°N



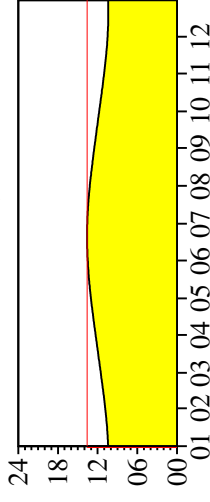
Bangkok 100.49°E, 13.75°N



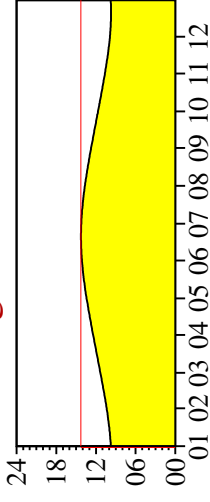
Mexico -99.13°E, 19.43°N



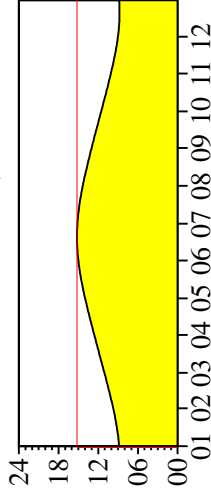
Miami -80.22°E, 25.78°N



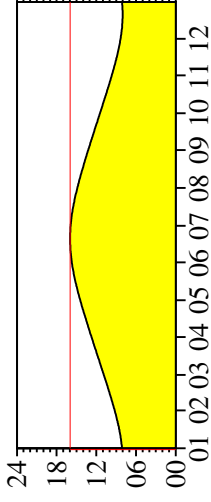
Los Angeles -118.24°E, 34.05°N



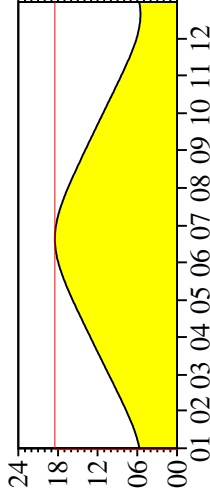
Marseille 5.38°E, 43.3°N



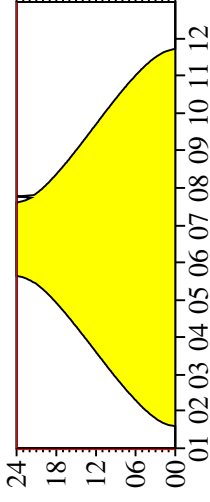
Paris 2.35°E, 48.86°N



Oslo 10.75°E, 59.92°N



Tromso 18.97°E, 69.66°N



Ny Alesund 11.92°E, 78.92°N

