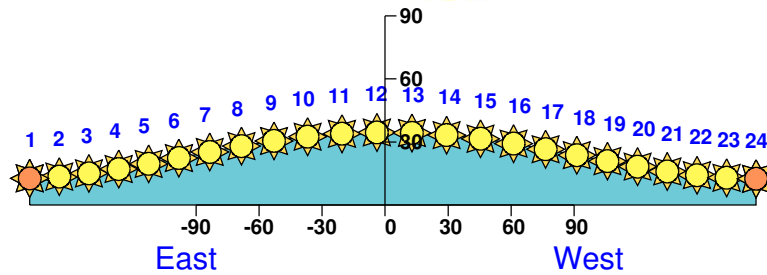


Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

Ny-Alesund
11.92°E, 78.92°N

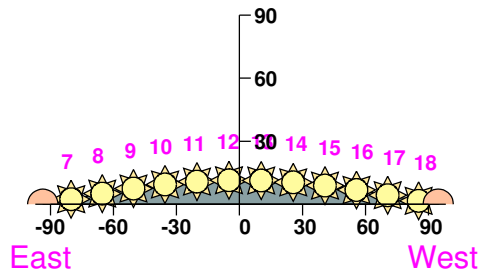
Summer



June 21

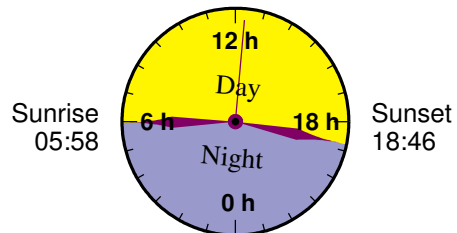


Spring



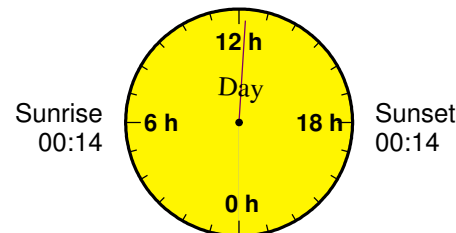
March 21

Day duration 12:48



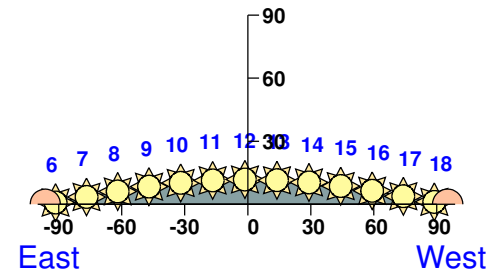
Spring Equinox

Day duration 24:00



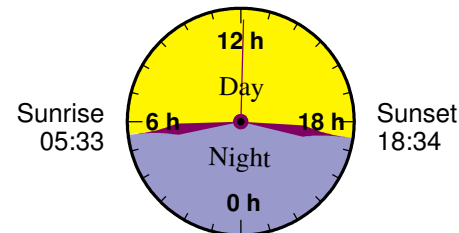
Summer Solstice

Autumn



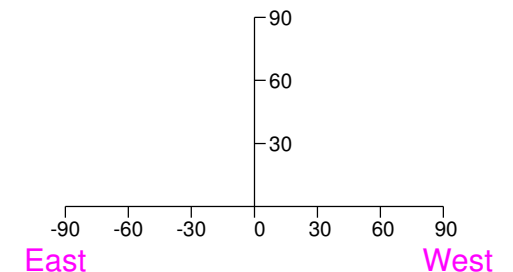
Sept. 21

Day duration 13:00



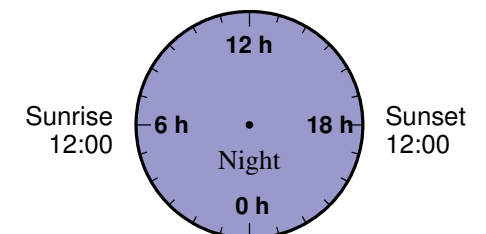
Autumn Equinox

Winter

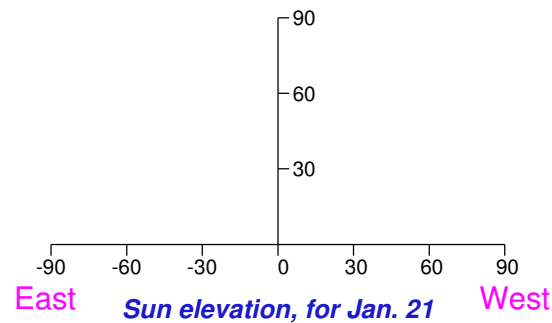


Dec. 21

Day duration 00:00



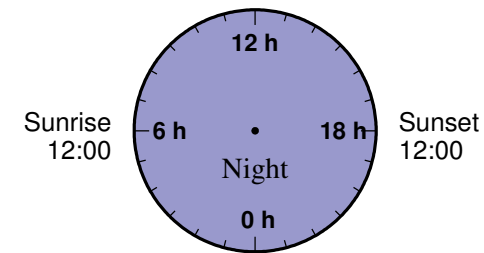
Winter Solstice



January 2018

Ny-Alesund

11.92°E, 78.92°N

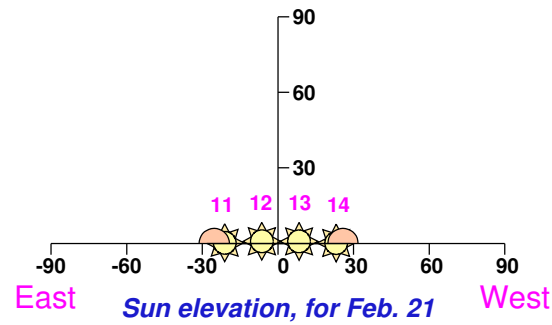


Duration of the day, for January 21

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

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 Polar Night 	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
2	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 	13 13 - 352 Polar Night 	14 14 - 351 Polar Night
3	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 	20 20 - 345 Polar Night 	21 21 - 344 Polar Night
4	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 	27 27 - 338 Polar Night 	28 28 - 337 Polar Night
5	29 29 - 336 Polar Night 	30 30 - 335 Polar Night 	31 31 - 334 Polar Night 				

February 2018



Ny-Alesund

11.92°E, 78.92°N



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

1 32 - 333 Polar Night	2 33 - 332 Polar Night	3 34 - 331 Polar Night	4 35 - 330 Polar Night

6

5 36 - 329 Polar Night	6 37 - 328 Polar Night	7 38 - 327 Polar Night	8 39 - 326 Polar Night	9 40 - 325 Polar Night	10 41 - 324 Polar Night	11 42 - 323 Polar Night

7

12 43 - 322 Polar Night	13 44 - 321 Polar Night	14 45 - 320 Polar Night	15 46 - 319 Polar Night	16 47 - 318 Polar Night	17 48 - 317 12:21 - 12:34 0°	18 49 - 316 11:28 - 13:27 0°

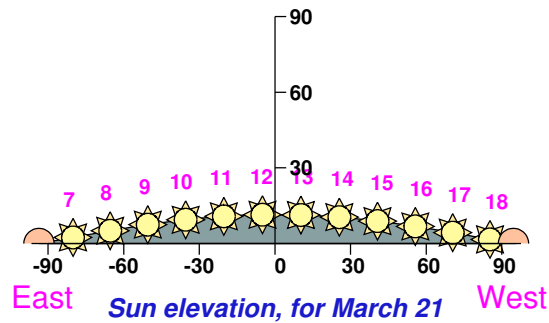
8

19 50 - 315 11:04 - 13:51 0°	20 51 - 314 10:45 - 14:10 1°	21 52 - 313 10:28 - 14:27 1°	22 53 - 312 10:13 - 14:41 1°	23 54 - 311 Polar Night	24 55 - 310 09:47 - 15:07 2°	25 56 - 309 09:36 - 15:18 2°

9

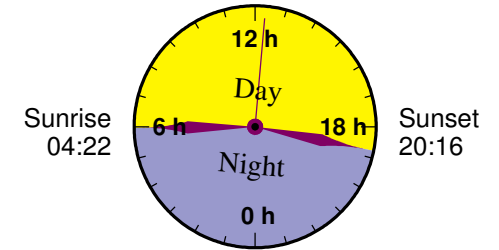
26 57 - 308 09:24 - 15:29 3°	27 58 - 307 09:13 - 15:40 3°	28 59 - 306 09:03 - 15:50 3°

March 2018



Ny-Alesund

11.92°E, 78.92°N



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

1 60 - 305 08:53 - 16:00 4° 	2 61 - 304 08:43 - 16:09 4° 	3 62 - 303 08:33 - 16:19 5° 	4 63 - 302 08:24 - 16:28 5°
---	---	---	---

10

5 64 - 301 08:15 - 16:36 5° 	6 65 - 300 08:06 - 16:45 6° 	7 66 - 299 07:57 - 16:54 6° 	8 67 - 298 07:48 - 17:02 6° 	9 68 - 297 07:39 - 17:10 7° 	10 69 - 296 07:30 - 17:19 7° 	11 70 - 295 07:22 - 17:27 8°
---	---	---	---	---	--	--

11

12 71 - 294 07:13 - 17:35 8° 	13 72 - 293 07:05 - 17:43 8° 	14 73 - 292 06:56 - 17:51 9° 	15 74 - 291 06:48 - 17:59 9° 	16 75 - 290 06:40 - 18:06 10° 	17 76 - 289 06:31 - 18:14 10° 	18 77 - 288 06:23 - 18:22 10°
--	--	--	--	---	---	---

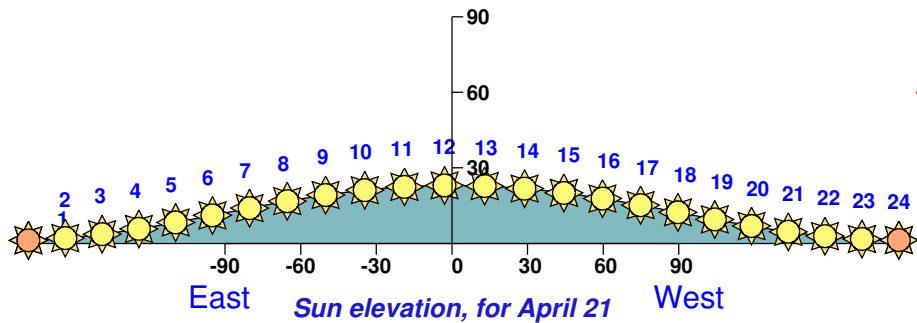
12

19 78 - 287 06:15 - 18:30 11° 	20 79 - 286 06:06 - 18:38 11° 	21 80 - 285 05:58 - 18:46 11° 	22 81 - 284 05:50 - 18:53 12° 	23 82 - 283 05:41 - 19:01 12° 	24 83 - 282 05:33 - 19:09 13° 	25 84 - 281 05:24 - 19:17 13°
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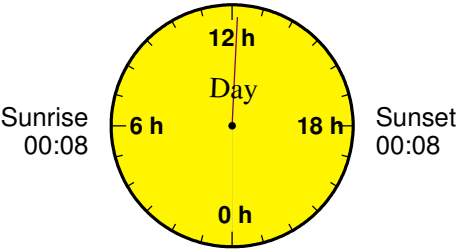
13

26 85 - 280 05:16 - 19:25 13° 	27 86 - 279 05:07 - 19:34 14° 	28 87 - 278 04:58 - 19:42 14° 	29 88 - 277 04:50 - 19:50 15° 	30 89 - 276 04:41 - 19:59 15° 	31 90 - 275 04:32 - 20:07 15°
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April 2018



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

14

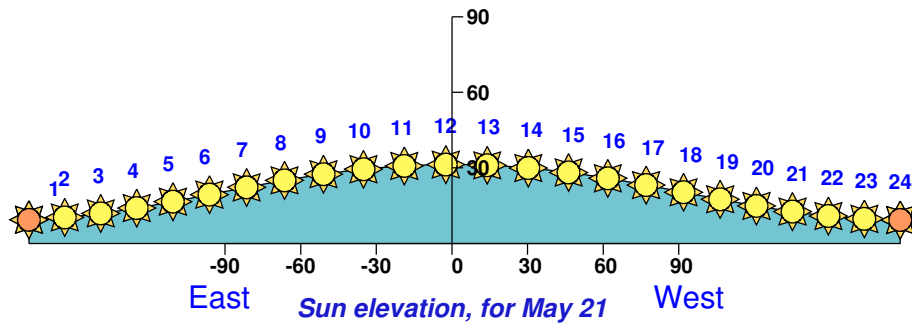
15

16

17

18

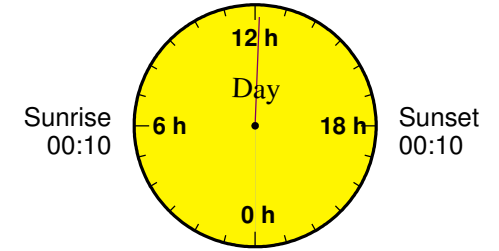
						191 - 274 04:22 - 20:16 16°
292 - 273 04:13 - 20:25 16° 	393 - 272 04:04 - 20:35 17° 	494 - 271 03:54 - 20:44 17° 	595 - 270 03:44 - 20:54 17° 	696 - 269 03:33 - 21:04 18° 	797 - 268 03:23 - 21:15 18° 	898 - 267 03:12 - 21:26 18°
999 - 266 03:00 - 21:37 19° 	10100 - 265 02:48 - 21:50 19° 	11101 - 264 02:35 - 22:03 20° 	12102 - 263 02:21 - 22:18 20° 	13103 - 262 02:05 - 22:35 20° 	14104 - 261 01:48 - 22:56 21° 	15105 - 260 00:59 - 23:24 21°
16106 - 259 Day at anytime 	17107 - 258 Day at anytime 	18108 - 257 Day at anytime 	19109 - 256 Day at anytime 	20110 - 255 Day at anytime 	21111 - 254 Day at anytime 	22112 - 253 Day at anytime
23113 - 252 Day at anytime 	24114 - 251 Day at anytime 	25115 - 250 Day at anytime 	26116 - 249 Day at anytime 	27117 - 248 Day at anytime 	28118 - 247 Day at anytime 	29119 - 246 Day at anytime
30120 - 245 Day at anytime 						



May 2018

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

18

1 121 - 244
Day at anytime

2 122 - 243
Day at anytime

3 123 - 242
Day at anytime

4 124 - 241
Day at anytime

5 125 - 240
Day at anytime

6 126 - 239
Day at anytime

19

7 127 - 238
Day at anytime

8 128 - 237
Day at anytime

9 129 - 236
Day at anytime

10 130 - 235
Day at anytime

11 131 - 234
Day at anytime

12 132 - 233
Day at anytime

13 133 - 232
Day at anytime

20

14 134 - 231
Day at anytime

15 135 - 230
Day at anytime

16 136 - 229
Day at anytime

17 137 - 228
Day at anytime

18 138 - 227
Day at anytime

19 139 - 226
Day at anytime

20 140 - 225
Day at anytime

21

21 141 - 224
Day at anytime

22 142 - 223
Day at anytime

23 143 - 222
Day at anytime

24 144 - 221
Day at anytime

25 145 - 220
Day at anytime

26 146 - 219
Day at anytime

27 147 - 218
Day at anytime

22

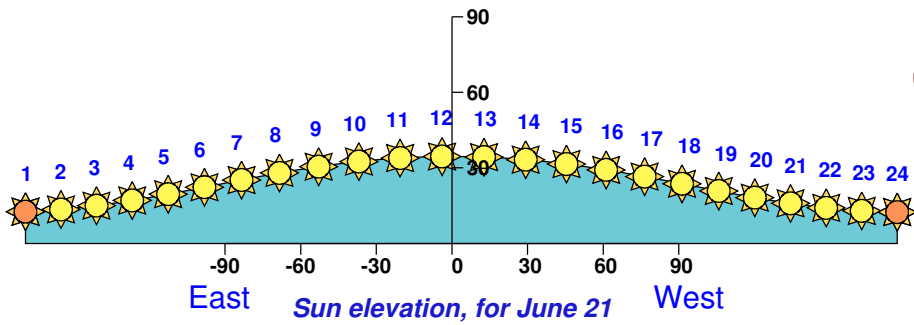
28 148 - 217
Day at anytime

29 149 - 216
Day at anytime

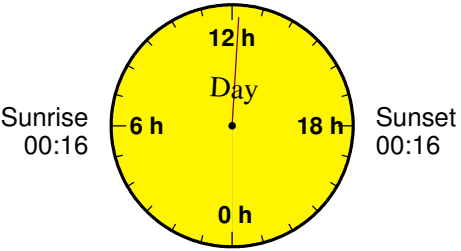
30 150 - 215
Day at anytime

31 151 - 214
Day at anytime

June 2018



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

1 152 - 213 Day at anytime 	2 153 - 212 Day at anytime 	3 154 - 211 Day at anytime
--	--	--

23

4 155 - 210 Day at anytime 	5 156 - 209 Day at anytime 	6 157 - 208 Day at anytime 	7 158 - 207 Day at anytime 	8 159 - 206 Day at anytime 	9 160 - 205 Day at anytime 	10 161 - 204 Day at anytime
--	--	--	--	--	--	---

24

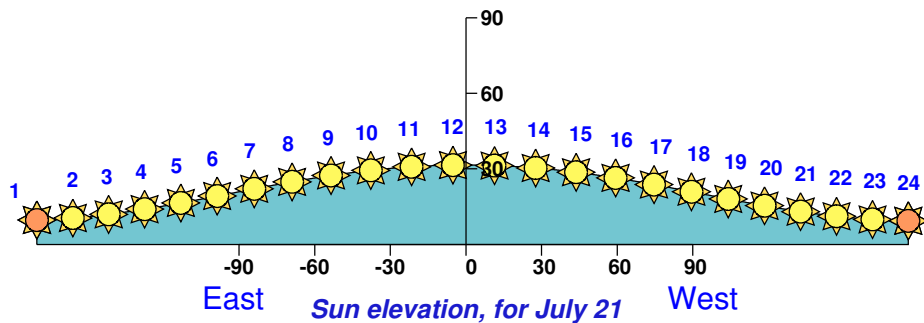
11 162 - 203 Day at anytime 	12 163 - 202 Day at anytime 	13 164 - 201 Day at anytime 	14 165 - 200 Day at anytime 	15 166 - 199 Day at anytime 	16 167 - 198 Day at anytime 	17 168 - 197 Day at anytime
---	---	---	---	---	---	---

25

18 169 - 196 Day at anytime 	19 170 - 195 Day at anytime 	20 171 - 194 Day at anytime 	21 172 - 193 Day at anytime 	22 173 - 192 Day at anytime 	23 174 - 191 Day at anytime 	24 175 - 190 Day at anytime
---	---	---	---	---	---	---

26

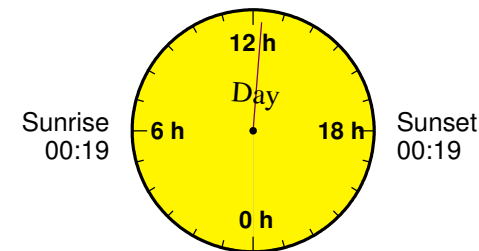
25 176 - 189 Day at anytime 	26 177 - 188 Day at anytime 	27 178 - 187 Day at anytime 	28 179 - 186 Day at anytime 	29 180 - 185 Day at anytime 	30 181 - 184 Day at anytime
---	---	---	---	---	---



July 2018

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

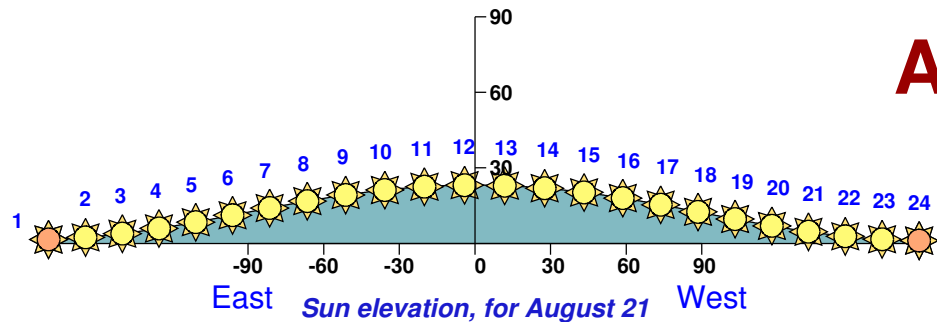
29

30

31

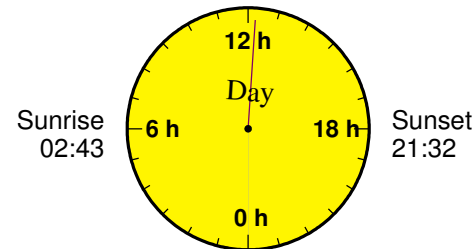
						1 182 - 183 Day at anytime
2 183 - 182 Day at anytime 	3 184 - 181 Day at anytime 	4 185 - 180 Day at anytime 	5 186 - 179 Day at anytime 	6 187 - 178 Day at anytime 	7 188 - 177 Day at anytime 	8 189 - 176 Day at anytime
9 190 - 175 Day at anytime 	10 191 - 174 Day at anytime 	11 192 - 173 Day at anytime 	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 	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 	24 205 - 160 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 	29 210 - 155 Day at anytime
30 211 - 154 Day at anytime 	31 212 - 153 Day at anytime 					

August 2018



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 ($^{\circ}$)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

34

35

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
00:44 - 23:47 21°

27 239 - 126
01:00 - 23:10 21°

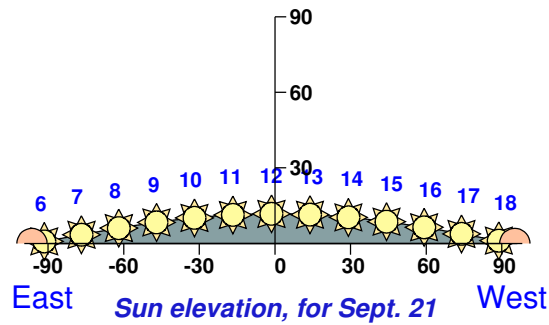
28 240 - 125
01:20 - 22:47 21°

29 241 - 124
01:43 - 22:28 20°

30 242 - 123
02:01 - 22:12 20°

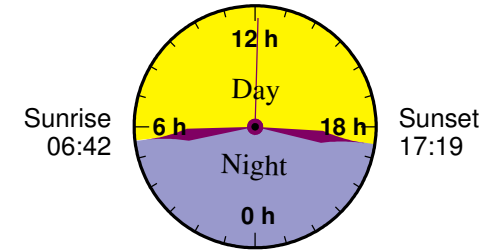
31 243 - 122
02:16 - 21:58 20°

September 2018



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

36

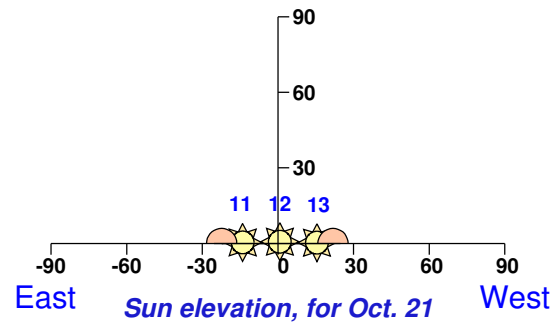
37

38

39

1 244 - 121 02:30 - 21:45 19° 	2 245 - 120 02:43 - 21:32 19°
3 246 - 119 02:54 - 21:20 19° 	4 247 - 118 03:06 - 21:09 18°
5 248 - 117 03:16 - 20:58 18° 	6 249 - 116 03:26 - 20:48 17°
7 250 - 115 03:36 - 20:38 17° 	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°
12 255 - 110 04:21 - 19:51 15° 	13 256 - 109 04:30 - 19:42 15°
14 257 - 108 04:38 - 19:33 14° 	15 258 - 107 04:46 - 19:24 14°
16 259 - 106 04:54 - 19:16 14° 	
17 260 - 105 05:02 - 19:07 13° 	18 261 - 104 05:10 - 18:59 13°
19 262 - 103 05:18 - 18:50 13° 	20 263 - 102 05:26 - 18:42 12°
21 264 - 101 05:33 - 18:34 12° 	22 265 - 100 05:41 - 18:25 11°
23 266 - 99 05:49 - 18:17 11° 	
24 267 - 98 05:56 - 18:09 11° 	25 268 - 97 06:04 - 18:00 10°
26 269 - 96 06:12 - 17:52 10° 	27 270 - 95 06:19 - 17:44 9°
28 271 - 94 06:27 - 17:36 9° 	29 272 - 93 06:35 - 17:27 9°
30 273 - 92 06:42 - 17:19 8° 	

October 2018



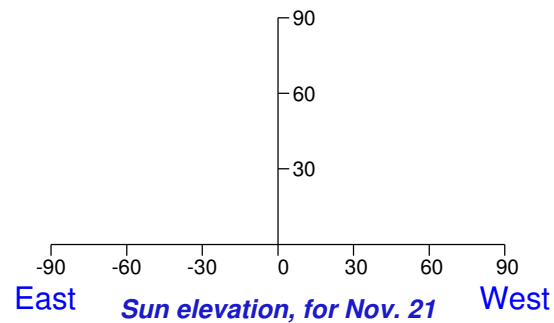
Ny-Alesund

11.92°E, 78.92°N



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

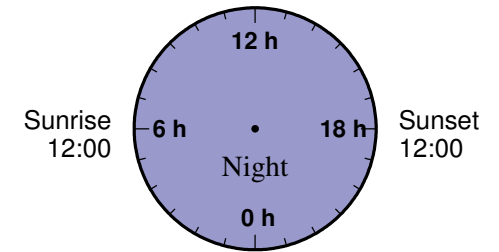
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
40	1 274 - 91 06:50 - 17:11 8° 	2 275 - 90 06:58 - 17:02 8° 	3 276 - 89 07:06 - 16:54 7° 	4 277 - 88 07:14 - 16:45 7° 	5 278 - 87 07:22 - 16:36 6° 	6 279 - 86 07:30 - 16:28 6° 	7 280 - 85 07:39 - 16:19 6°
41	8 281 - 84 07:47 - 16:10 5° 	9 282 - 83 07:56 - 16:01 5° 	10 283 - 82 08:05 - 15:51 5° 	11 284 - 81 08:14 - 15:42 4° 	12 285 - 80 08:23 - 15:32 4° 	13 286 - 79 08:33 - 15:22 3° 	14 287 - 78 08:43 - 15:12 3°
42	15 288 - 77 08:53 - 15:01 3° 	16 289 - 76 09:04 - 14:50 2° 	17 290 - 75 09:15 - 14:38 2° 	18 291 - 74 09:27 - 14:26 2° 	19 292 - 73 09:40 - 14:13 1° 	20 293 - 72 09:54 - 13:58 1° 	21 294 - 71 10:09 - 13:43 1°
43	22 295 - 70 10:27 - 13:24 1° 	23 296 - 69 10:49 - 13:02 0° 	24 297 - 68 Polar Night 	25 298 - 67 Polar Night 	26 299 - 66 Polar Night 	27 300 - 65 Polar Night 	28 301 - 64 Polar Night
44	29 302 - 63 Polar Night 	30 303 - 62 Polar Night 	31 304 - 61 Polar Night 				



November 2018

Ny-Alesund

11.92°E, 78.92°N



Duration of the day, for November 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

1 305 - 60 Polar Night	2 306 - 59 Polar Night	3 307 - 58 Polar Night	4 308 - 57 Polar Night

45

5 309 - 56 Polar Night	6 310 - 55 Polar Night	7 311 - 54 Polar Night	8 312 - 53 Polar Night	9 313 - 52 Polar Night	10 314 - 51 Polar Night	11 315 - 50 Polar Night

46

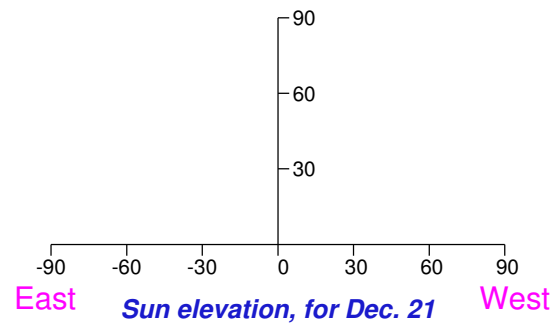
12 316 - 49 Polar Night	13 317 - 48 Polar Night	14 318 - 47 Polar Night	15 319 - 46 Polar Night	16 320 - 45 Polar Night	17 321 - 44 Polar Night	18 322 - 43 Polar Night

47

19 323 - 42 Polar Night	20 324 - 41 Polar Night	21 325 - 40 Polar Night	22 326 - 39 Polar Night	23 327 - 38 Polar Night	24 328 - 37 Polar Night	25 329 - 36 Polar Night

48

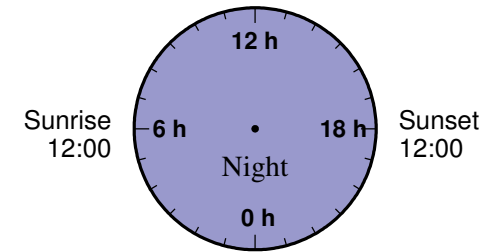
26 330 - 35 Polar Night	27 331 - 34 Polar Night	28 332 - 33 Polar Night	29 333 - 32 Polar Night	30 334 - 31 Polar Night



December 2018

Ny-Alesund

11.92°E, 78.92°N



Duration of the day, for December 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

48

49

50

51

52

53

1 335 - 30 Polar Night 	2 336 - 29 Polar Night
8 342 - 23 Polar Night 	9 343 - 22 Polar Night
15 349 - 16 Polar Night 	16 350 - 15 Polar Night
22 356 - 9 Polar Night 	23 357 - 8 Polar Night
29 363 - 2 Polar Night 	30 364 - 1 Polar Night

3 337 - 28 Polar Night

4 338 - 27 Polar Night

5 339 - 26 Polar Night

6 340 - 25 Polar Night

7 341 - 24 Polar Night

10 344 - 21 Polar Night
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11 345 - 20 Polar Night
--

12 346 - 19 Polar Night
--

13 347 - 18 Polar Night
--

14 348 - 17 Polar Night
--

17 351 - 14 Polar Night
--

18 352 - 13 Polar Night
--

19 353 - 12 Polar Night
--

20 354 - 11 Polar Night
--

21 355 - 10 Polar Night
--

24 358 - 7 Polar Night

25 359 - 6 Polar Night

26 360 - 5 Polar Night

27 361 - 4 Polar Night

28 362 - 3 Polar Night

31 365 - 0 Polar Night
