

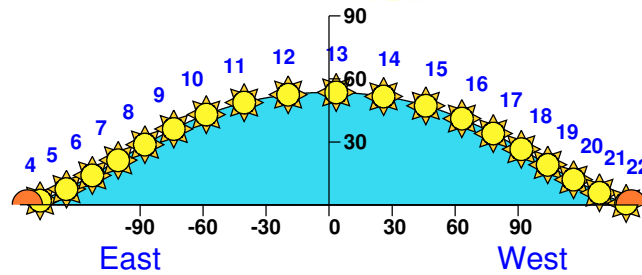
Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

Uppsala

17.645°E, 59.858°N

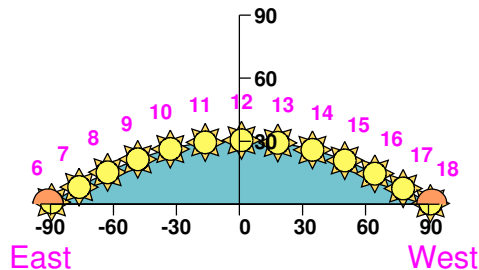
Summer



June 21

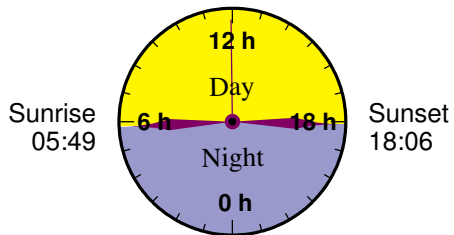


Spring



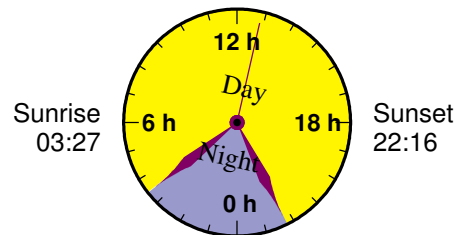
March 21

Day duration 12:18



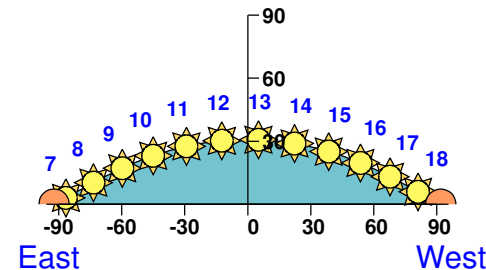
Spring Equinox

Day duration 18:49



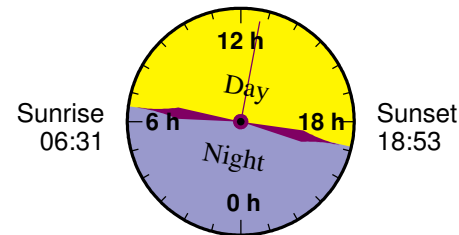
Summer Solstice

Autumn



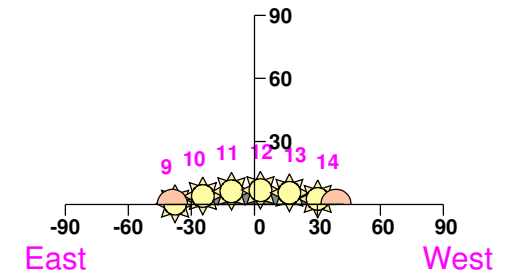
Sept. 21

Day duration 12:22



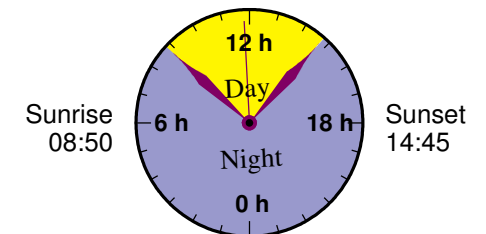
Autumn Equinox

Winter



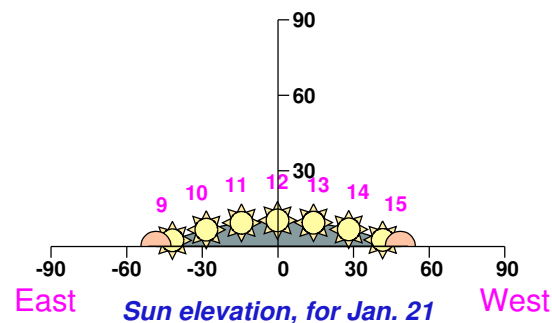
Dec. 21

Day duration 5:55

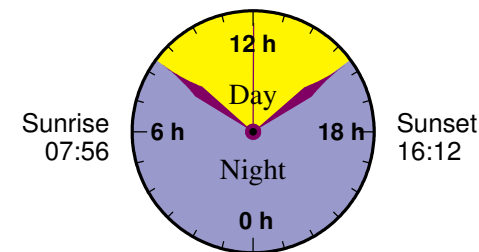


Winter Solstice

January 2018



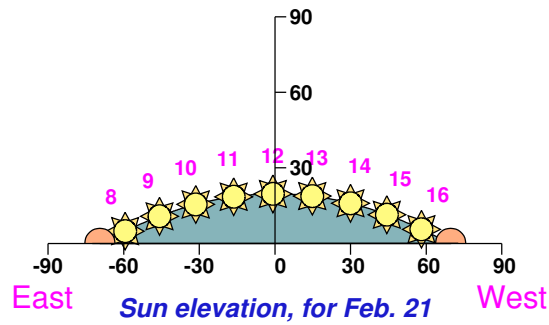
Uppsala
17.645°E, 59.858°N



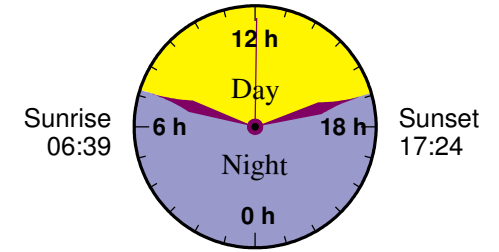
Sunrise and Sunset at Uppsala (TL $\pm$ 1 mn) and sun maximal elevation ($^{\circ}$)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 08:51 - 14:56 7° 	2 2 - 363 08:50 - 14:57 7° 	3 3 - 362 08:49 - 14:59 7° 	4 4 - 361 08:49 - 15:01 8° 	5 5 - 360 08:48 - 15:02 8° 	6 6 - 359 08:47 - 15:04 8° 	7 7 - 358 08:46 - 15:06 8°
2	8 8 - 357 08:45 - 15:08 8° 	9 9 - 356 08:44 - 15:10 8° 	10 10 - 355 08:43 - 15:12 8° 	11 11 - 354 08:42 - 15:14 8° 	12 12 - 353 08:41 - 15:16 9° 	13 13 - 352 08:39 - 15:18 9° 	14 14 - 351 08:38 - 15:20 9°
3	15 15 - 350 08:36 - 15:22 9° 	16 16 - 349 08:35 - 15:24 9° 	17 17 - 348 08:33 - 15:27 10° 	18 18 - 347 08:31 - 15:29 10° 	19 19 - 346 08:30 - 15:31 10° 	20 20 - 345 08:28 - 15:34 10° 	21 21 - 344 08:26 - 15:36 10°
4	22 22 - 343 08:24 - 15:39 11° 	23 23 - 342 08:22 - 15:41 11° 	24 24 - 341 08:20 - 15:44 11° 	25 25 - 340 08:18 - 15:46 11° 	26 26 - 339 08:16 - 15:49 12° 	27 27 - 338 08:14 - 15:51 12° 	28 28 - 337 08:12 - 15:54 12°
5	29 29 - 336 08:10 - 15:56 12° 	30 30 - 335 08:07 - 15:59 13° 	31 31 - 334 08:05 - 16:02 13° 				

February 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for February 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

1 32 - 333 08:03 - 16:04 13°	2 33 - 332 08:01 - 16:07 13°	3 34 - 331 07:58 - 16:09 14°	4 35 - 330 07:56 - 16:12 14°

6

5 36 - 329 07:53 - 16:15 14°	6 37 - 328 07:51 - 16:17 15°	7 38 - 327 07:48 - 16:20 15°	8 39 - 326 07:46 - 16:23 15°	9 40 - 325 07:43 - 16:25 16°	10 41 - 324 07:41 - 16:28 16°	11 42 - 323 07:38 - 16:30 16°

7

12 43 - 322 07:36 - 16:33 17°	13 44 - 321 07:33 - 16:36 17°	14 45 - 320 07:30 - 16:38 17°	15 46 - 319 07:28 - 16:41 18°	16 47 - 318 07:25 - 16:43 18°	17 48 - 317 07:22 - 16:46 18°	18 49 - 316 07:19 - 16:49 19°

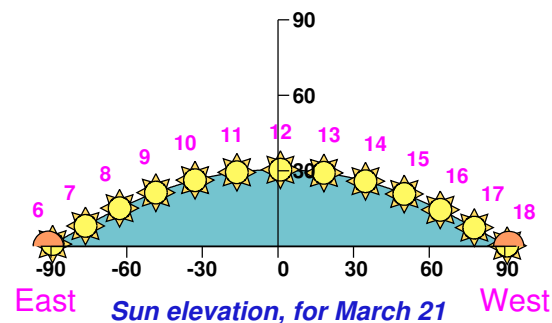
8

19 50 - 315 07:17 - 16:51 19°	20 51 - 314 07:14 - 16:54 19°	21 52 - 313 07:11 - 16:56 20°	22 53 - 312 07:08 - 16:59 20°	23 54 - 311 07:05 - 17:02 20°	24 55 - 310 07:03 - 17:04 21°	25 56 - 309 07:00 - 17:07 21°

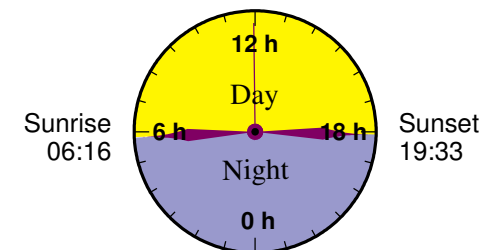
9

26 57 - 308 06:57 - 17:09 22°	27 58 - 307 06:54 - 17:12 22°	28 59 - 306 06:51 - 17:14 22°

March 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for March 21

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

Time change March 25

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

9

1 60 - 305 06:48 - 17:17 23°	2 61 - 304 06:45 - 17:19 23°	3 62 - 303 06:42 - 17:22 23°	4 63 - 302 06:39 - 17:24 24°

10

5 64 - 301 06:37 - 17:27 24°	6 65 - 300 06:34 - 17:29 25°	7 66 - 299 06:31 - 17:32 25°	8 67 - 298 06:28 - 17:34 25°	9 68 - 297 06:25 - 17:37 26°	10 69 - 296 06:22 - 17:39 26°	11 70 - 295 06:19 - 17:42 27°

11

12 71 - 294 06:16 - 17:44 27°	13 72 - 293 06:13 - 17:47 27°	14 73 - 292 06:10 - 17:49 28°	15 74 - 291 06:07 - 17:52 28°	16 75 - 290 06:04 - 17:54 29°	17 76 - 289 06:01 - 17:56 29°	18 77 - 288 05:58 - 17:59 29°

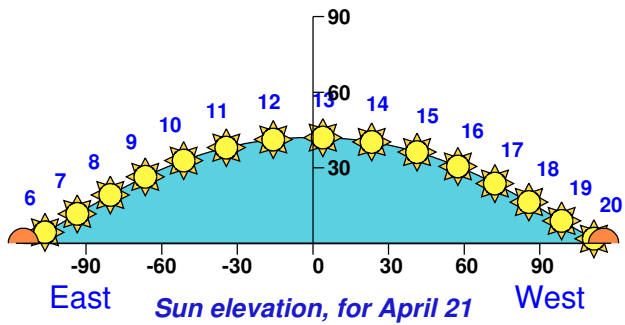
12

19 78 - 287 05:55 - 18:01 30°	20 79 - 286 05:52 - 18:04 30°	21 80 - 285 05:49 - 18:06 30°	22 81 - 284 05:46 - 18:09 31°	23 82 - 283 05:43 - 18:11 31°	24 83 - 282 05:40 - 18:13 32°	25 84 - 281 06:37 - 19:16 32°

13

26 85 - 280 06:34 - 19:18 32°	27 86 - 279 06:31 - 19:21 33°	28 87 - 278 06:28 - 19:23 33°	29 88 - 277 06:25 - 19:26 34°	30 89 - 276 06:22 - 19:28 34°	31 90 - 275 06:19 - 19:30 34°

April 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for April 21

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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

13

14

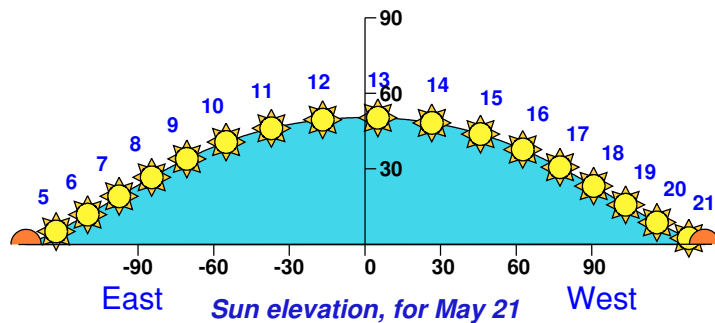
15

16

17

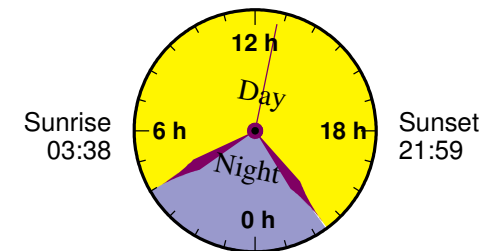
18

						191 - 274 06:16 - 19:33 35°
292 - 273 06:13 - 19:35 35° 	393 - 272 06:10 - 19:38 36° 	494 - 271 06:07 - 19:40 36° 	595 - 270 06:04 - 19:43 36° 	696 - 269 06:01 - 19:45 37° 	797 - 268 05:58 - 19:47 37° 	898 - 267 05:55 - 19:50 37°
999 - 266 05:52 - 19:52 38° 	10100 - 265 05:49 - 19:55 38° 	11101 - 264 05:46 - 19:57 39° 	12102 - 263 05:43 - 20:00 39° 	13103 - 262 05:40 - 20:02 39° 	14104 - 261 05:37 - 20:04 40° 	15105 - 260 05:34 - 20:07 40°
16106 - 259 05:31 - 20:09 40° 	17107 - 258 05:28 - 20:12 41° 	18108 - 257 05:25 - 20:14 41° 	19109 - 256 05:22 - 20:17 41° 	20110 - 255 05:19 - 20:19 42° 	21111 - 254 05:17 - 20:22 42° 	22112 - 253 05:14 - 20:24 42°
23113 - 252 05:11 - 20:27 43° 	24114 - 251 05:08 - 20:29 43° 	25115 - 250 05:05 - 20:32 43° 	26116 - 249 05:02 - 20:34 44° 	27117 - 248 05:00 - 20:37 44° 	28118 - 247 04:57 - 20:39 44° 	29119 - 246 04:54 - 20:41 45°
30120 - 245 04:51 - 20:44 45° 						



May 2018

Uppsala
17.645°E, 59.858°N

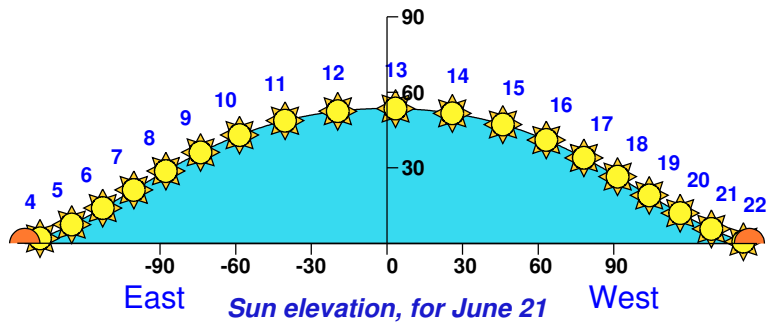


Duration of the day, for May 21

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

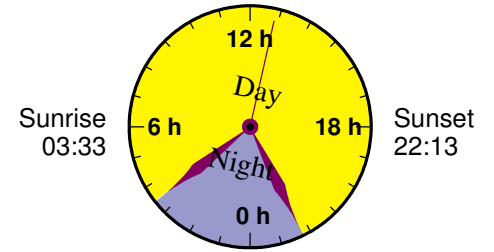
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
18		1 121 - 244 04:49 - 20:46 45° 	2 122 - 243 04:46 - 20:49 46° 	3 123 - 242 04:43 - 20:51 46° 	4 124 - 241 04:41 - 20:54 46° 	5 125 - 240 04:38 - 20:56 46° 	6 126 - 239 04:35 - 20:59 47°
19	7 127 - 238 04:33 - 21:01 47° 	8 128 - 237 04:30 - 21:04 47° 	9 129 - 236 04:28 - 21:06 48° 	10 130 - 235 04:25 - 21:08 48° 	11 131 - 234 04:23 - 21:11 48° 	12 132 - 233 04:20 - 21:13 48° 	13 133 - 232 04:18 - 21:16 49°
20	14 134 - 231 04:16 - 21:18 49° 	15 135 - 230 04:13 - 21:20 49° 	16 136 - 229 04:11 - 21:23 49° 	17 137 - 228 04:09 - 21:25 50° 	18 138 - 227 04:07 - 21:27 50° 	19 139 - 226 04:04 - 21:29 50° 	20 140 - 225 04:02 - 21:32 50°
21	21 141 - 224 04:00 - 21:34 50° 	22 142 - 223 03:58 - 21:36 51° 	23 143 - 222 03:56 - 21:38 51° 	24 144 - 221 03:54 - 21:40 51° 	25 145 - 220 03:52 - 21:42 51° 	26 146 - 219 03:50 - 21:44 51° 	27 147 - 218 03:49 - 21:46 51°
22	28 148 - 217 03:47 - 21:48 52° 	29 149 - 216 03:45 - 21:50 52° 	30 150 - 215 03:44 - 21:52 52° 	31 151 - 214 03:42 - 21:54 52° 			

June 2018



Uppsala

17.645°E, 59.858°N



Duration of the day, for June 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

1 152 - 213
03:40 - 21:56 52°

2 153 - 212
03:39 - 21:57 52°

3 154 - 211
03:38 - 21:59 52°

23

4 155 - 210
03:36 - 22:00 53°

5 156 - 209
03:35 - 22:02 53°

6 157 - 208
03:34 - 22:03 53°

7 158 - 207
03:33 - 22:05 53°

8 159 - 206
03:32 - 22:06 53°

9 160 - 205
03:31 - 22:07 53°

10 161 - 204
03:30 - 22:09 53°

24

11 162 - 203
03:30 - 22:10 53°

12 163 - 202
03:29 - 22:11 53°

13 164 - 201
03:28 - 22:12 53°

14 165 - 200
03:28 - 22:12 53°

15 166 - 199
03:27 - 22:13 53°

16 167 - 198
03:27 - 22:14 54°

17 168 - 197
03:27 - 22:14 54°

25

18 169 - 196
03:27 - 22:15 54°

19 170 - 195
03:27 - 22:15 54°

20 171 - 194
03:27 - 22:16 54°

21 172 - 193
03:27 - 22:16 54°

22 173 - 192
03:27 - 22:16 54°

23 174 - 191
03:27 - 22:16 54°

24 175 - 190
03:28 - 22:16 54°

26

25 176 - 189
03:28 - 22:16 54°

26 177 - 188
03:29 - 22:16 54°

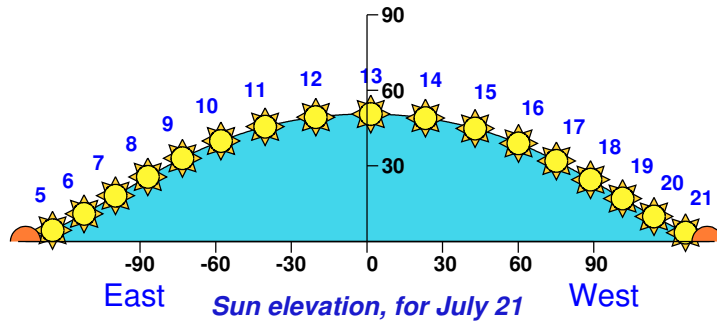
27 178 - 187
03:30 - 22:15 53°

28 179 - 186
03:30 - 22:15 53°

29 180 - 185
03:31 - 22:14 53°

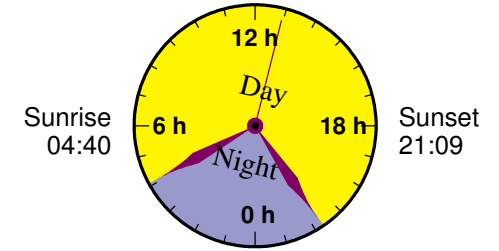
30 181 - 184
03:32 - 22:14 53°

July 2018



Uppsala

17.645°E, 59.858°N



Duration of the day, for July 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

28

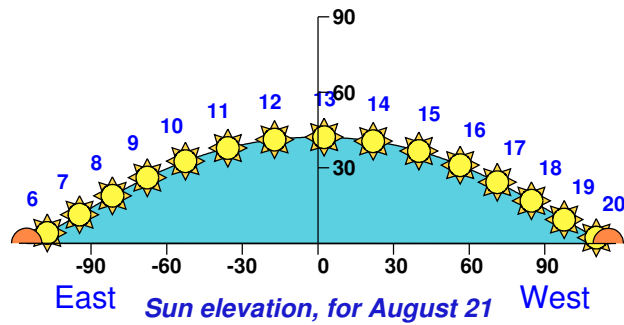
29

30

31

						1 182 - 183 03:33 - 22:13 53°
2 183 - 182 03:34 - 22:12 53° 	3 184 - 181 03:35 - 22:11 53° 	4 185 - 180 03:37 - 22:11 53° 	5 186 - 179 03:38 - 22:10 53° 	6 187 - 178 03:39 - 22:08 53° 	7 188 - 177 03:41 - 22:07 53° 	8 189 - 176 03:42 - 22:06 53°
9 190 - 175 03:44 - 22:05 52° 	10 191 - 174 03:45 - 22:03 52° 	11 192 - 173 03:47 - 22:02 52° 	12 193 - 172 03:49 - 22:00 52° 	13 194 - 171 03:51 - 21:59 52° 	14 195 - 170 03:52 - 21:57 52° 	15 196 - 169 03:54 - 21:56 52°
16 197 - 168 03:56 - 21:54 51° 	17 198 - 167 03:58 - 21:52 51° 	18 199 - 166 04:00 - 21:50 51° 	19 200 - 165 04:02 - 21:48 51° 	20 201 - 164 04:04 - 21:46 51° 	21 202 - 163 04:06 - 21:44 51° 	22 203 - 162 04:08 - 21:42 50°
23 204 - 161 04:11 - 21:40 50° 	24 205 - 160 04:13 - 21:38 50° 	25 206 - 159 04:15 - 21:36 50° 	26 207 - 158 04:17 - 21:34 50° 	27 208 - 157 04:19 - 21:31 49° 	28 209 - 156 04:22 - 21:29 49° 	29 210 - 155 04:24 - 21:27 49°
30 211 - 154 04:26 - 21:24 49° 	31 212 - 153 04:29 - 21:22 48° 					

August 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for August 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

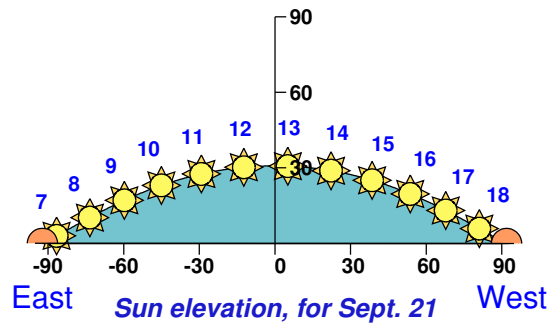
33

34

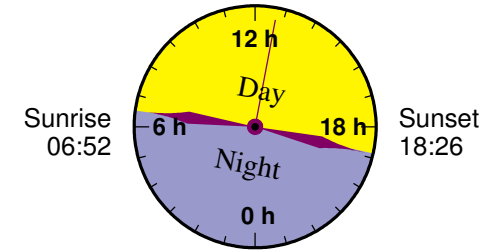
35

1 213 - 152 04:31 - 21:19 48°	2 214 - 151 04:33 - 21:17 48°	3 215 - 150 04:36 - 21:14 48°	4 216 - 149 04:38 - 21:12 47°	5 217 - 148 04:40 - 21:09 47°
8 220 - 145 04:47 - 21:01 46°	9 221 - 144 04:50 - 20:59 46°	10 222 - 143 04:52 - 20:56 46°	11 223 - 142 04:55 - 20:53 45°	12 224 - 141 04:57 - 20:51 45°
15 227 - 138 05:04 - 20:42 44°	16 228 - 137 05:06 - 20:40 44°	17 229 - 136 05:09 - 20:37 44°	18 230 - 135 05:11 - 20:34 43°	19 231 - 134 05:14 - 20:31 43°
22 234 - 131 05:21 - 20:23 42°	23 235 - 130 05:23 - 20:20 42°	24 236 - 129 05:26 - 20:17 41°	25 237 - 128 05:28 - 20:14 41°	26 238 - 127 05:30 - 20:11 41°
29 241 - 124 05:37 - 20:02 39°	30 242 - 123 05:40 - 19:59 39°	31 243 - 122 05:42 - 19:56 39°		

September 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for September 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

36

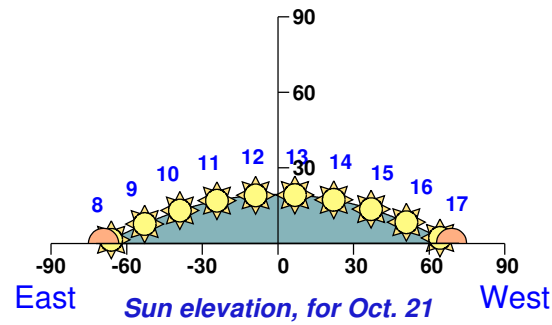
37

38

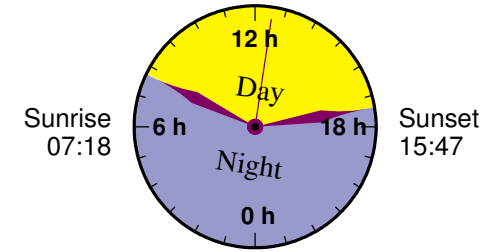
39

1 244 - 121 05:44 - 19:53 38° 	2 245 - 120 05:47 - 19:50 38°
3 246 - 119 05:49 - 19:47 38° 	4 247 - 118 05:51 - 19:44 37°
5 248 - 117 05:54 - 19:41 37° 	6 249 - 116 05:56 - 19:38 37°
7 250 - 115 05:58 - 19:35 36° 	8 251 - 114 06:01 - 19:32 36°
9 252 - 113 06:03 - 19:29 35° 	
10 253 - 112 06:05 - 19:26 35° 	11 254 - 111 06:08 - 19:23 35°
12 255 - 110 06:10 - 19:20 34° 	13 256 - 109 06:12 - 19:17 34°
14 257 - 108 06:15 - 19:14 34° 	15 258 - 107 06:17 - 19:11 33°
16 259 - 106 06:19 - 19:08 33° 	
17 260 - 105 06:22 - 19:05 32° 	18 261 - 104 06:24 - 19:02 32°
19 262 - 103 06:26 - 18:59 32° 	20 263 - 102 06:29 - 18:56 31°
21 264 - 101 06:31 - 18:53 31° 	22 265 - 100 06:33 - 18:50 30°
23 266 - 99 06:36 - 18:47 30° 	
24 267 - 98 06:38 - 18:44 30° 	25 268 - 97 06:40 - 18:41 29°
26 269 - 96 06:43 - 18:38 29° 	27 270 - 95 06:45 - 18:35 28°
28 271 - 94 06:47 - 18:32 28° 	29 272 - 93 06:50 - 18:29 28°
30 273 - 92 06:52 - 18:26 27° 	

October 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for October 21

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

Time change October 28

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

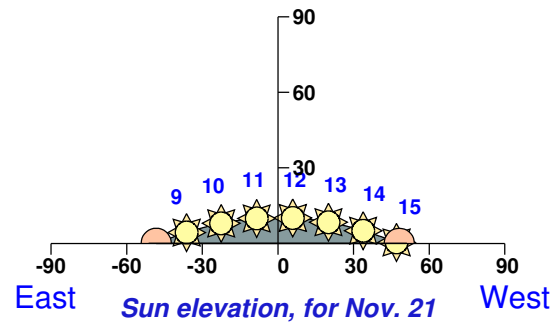
42

43

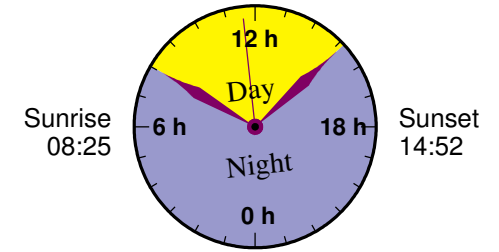
44

1 274 - 91 06:55 - 18:23 27° 	2 275 - 90 06:57 - 18:20 27° 	3 276 - 89 06:59 - 18:17 26° 	4 277 - 88 07:02 - 18:14 26° 	5 278 - 87 07:04 - 18:11 25° 	6 279 - 86 07:06 - 18:08 25° 	7 280 - 85 07:09 - 18:05 25°
8 281 - 84 07:11 - 18:02 24° 	9 282 - 83 07:14 - 17:59 24° 	10 283 - 82 07:16 - 17:56 23° 	11 284 - 81 07:18 - 17:53 23° 	12 285 - 80 07:21 - 17:50 23° 	13 286 - 79 07:23 - 17:47 22° 	14 287 - 78 07:26 - 17:44 22°
15 288 - 77 07:28 - 17:41 22° 	16 289 - 76 07:31 - 17:39 21° 	17 290 - 75 07:33 - 17:36 21° 	18 291 - 74 07:36 - 17:33 21° 	19 292 - 73 07:38 - 17:30 20° 	20 293 - 72 07:41 - 17:27 20° 	21 294 - 71 07:43 - 17:24 19°
22 295 - 70 07:45 - 17:22 19° 	23 296 - 69 07:48 - 17:19 19° 	24 297 - 68 07:50 - 17:16 18° 	25 298 - 67 07:53 - 17:13 18° 	26 299 - 66 07:56 - 17:11 18° 	27 300 - 65 07:58 - 17:08 17° 	28 301 - 64 07:01 - 16:05 17°
29 302 - 63 07:03 - 16:03 17° 	30 303 - 62 07:06 - 16:00 16° 	31 304 - 61 07:08 - 15:57 16° 				

November 2018



Uppsala
17.645°E, 59.858°N



Duration of the day, for November 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

1 305 - 60 07:11 - 15:55 16° 	2 306 - 59 07:13 - 15:52 15° 	3 307 - 58 07:16 - 15:50 15° 	4 308 - 57 07:18 - 15:47 15°
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45

5 309 - 56 07:21 - 15:45 14° 	6 310 - 55 07:24 - 15:42 14° 	7 311 - 54 07:26 - 15:40 14° 	8 312 - 53 07:29 - 15:37 14° 	9 313 - 52 07:31 - 15:35 13° 	10 314 - 51 07:34 - 15:32 13° 	11 315 - 50 07:36 - 15:30 13°
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46

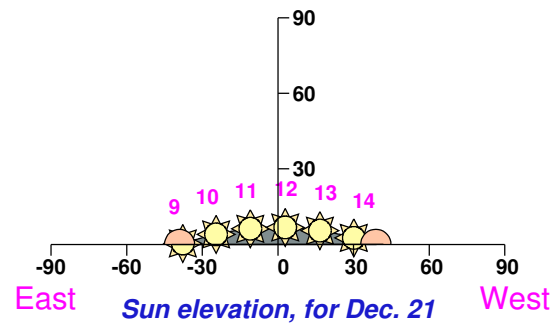
12 316 - 49 07:39 - 15:28 12° 	13 317 - 48 07:41 - 15:26 12° 	14 318 - 47 07:44 - 15:23 12° 	15 319 - 46 07:46 - 15:21 12° 	16 320 - 45 07:49 - 15:19 11° 	17 321 - 44 07:51 - 15:17 11° 	18 322 - 43 07:54 - 15:15 11°
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47

19 323 - 42 07:56 - 15:13 11° 	20 324 - 41 07:59 - 15:11 11° 	21 325 - 40 08:01 - 15:09 10° 	22 326 - 39 08:03 - 15:07 10° 	23 327 - 38 08:06 - 15:06 10° 	24 328 - 37 08:08 - 15:04 10° 	25 329 - 36 08:10 - 15:02 9°
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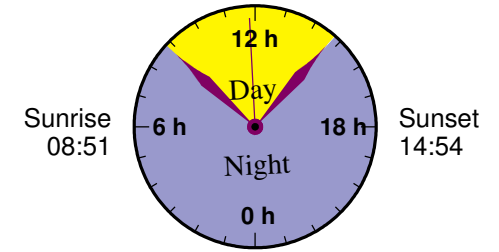
48

26 330 - 35 08:12 - 15:01 9° 	27 331 - 34 08:15 - 14:59 9° 	28 332 - 33 08:17 - 14:58 9° 	29 333 - 32 08:19 - 14:56 9° 	30 334 - 31 08:21 - 14:55 9°
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December 2018

Uppsala
17.645°E, 59.858°N



Duration of the day, for December 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

48

49

50

51

52

53

1 335 - 30 08:23 - 14:54 8° 	2 336 - 29 08:25 - 14:52 8°
3 337 - 28 08:27 - 14:51 8° 	4 338 - 27 08:29 - 14:50 8°
5 339 - 26 08:31 - 14:49 8° 	6 340 - 25 08:32 - 14:48 8°
7 341 - 24 08:34 - 14:48 8° 	8 342 - 23 08:36 - 14:47 8°
9 343 - 22 08:37 - 14:46 7° 	10 344 - 21 08:39 - 14:46 7°
11 345 - 20 08:40 - 14:45 7° 	12 346 - 19 08:42 - 14:45 7°
13 347 - 18 08:43 - 14:44 7° 	14 348 - 17 08:44 - 14:44 7°
15 349 - 16 08:45 - 14:44 7° 	16 350 - 15 08:46 - 14:44 7°
17 351 - 14 08:47 - 14:44 7° 	18 352 - 13 08:48 - 14:44 7°
19 353 - 12 08:49 - 14:44 7° 	20 354 - 11 08:50 - 14:45 7°
21 355 - 10 08:50 - 14:45 7° 	22 356 - 9 08:51 - 14:46 7°
23 357 - 8 08:51 - 14:46 7° 	24 358 - 7 08:51 - 14:47 7°
25 359 - 6 08:52 - 14:48 7° 	26 360 - 5 08:52 - 14:49 7°
27 361 - 4 08:52 - 14:50 7° 	28 362 - 3 08:52 - 14:51 7°
29 363 - 2 08:52 - 14:52 7° 	30 364 - 1 08:51 - 14:53 7°

31 365 - 0 08:51 - 14:54 7°
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