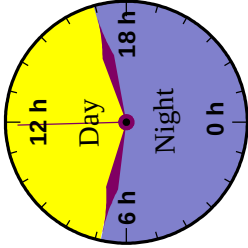
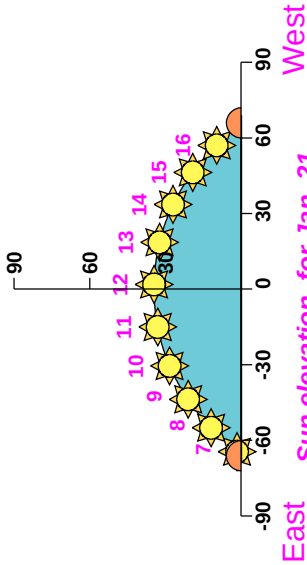


January 2013

Tokyo
139.44°E, 35.68°N



Pink Sun elevation, for Jan. 21

Purple Duration of the day, for January 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1

7	7 - 358 06:53 - 16:45		9:52	+1 m.	32°
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2

14	14 - 351 06:52 - 16:51		9:59	+1 m.	33°
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3

21	21 - 344 06:49 - 16:58		10:09	+1 m.	34°
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4

28	28 - 337 06:45 - 17:05		10:21	+2 m.	36°
----	---------------------------	--	-------	-------	-----

5

1	1 - 365 06:52 - 16:40		9:47	+1 m.	31°
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8	8 - 357 06:53 - 16:46		9:53	+1 m.	32°
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15	15 - 350 06:51 - 16:52		10:01	+2 m.	33°
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22	22 - 343 06:49 - 16:59		10:11	+2 m.	35°
----	---------------------------	--	-------	-------	-----

29	29 - 336 06:44 - 17:06		10:22	+1 m.	36°
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2	2 - 363 06:52 - 16:41		9:48	+1 m.	31°
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9	9 - 356 06:53 - 16:46		9:53	+0 m.	32°
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16	16 - 349 06:51 - 16:53		10:02	+1 m.	33°
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23	23 - 342 06:48 - 17:00		10:12	+1 m.	35°
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30	30 - 335 06:43 - 17:08		10:24	+2 m.	37°
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3	3 - 362 06:53 - 16:41		9:48	+0 m.	32°
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10	10 - 355 06:52 - 16:47		9:55	+2 m.	32°
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17	17 - 348 06:51 - 16:54		10:03	+1 m.	34°
----	---------------------------	--	-------	-------	-----

24	24 - 341 06:47 - 17:01		10:14	+2 m.	35°
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31	31 - 334 06:43 - 17:09		10:26	+2 m.	37°
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4	4 - 361 06:53 - 16:42		9:49	+1 m.	32°
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11	11 - 354 06:52 - 16:48		9:56	+1 m.	33°
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18	18 - 347 06:50 - 16:55		10:05	+2 m.	34°
----	---------------------------	--	-------	-------	-----

25	25 - 340 06:47 - 17:02		10:16	+2 m.	35°
----	---------------------------	--	-------	-------	-----

5	5 - 360 06:53 - 16:43		9:50	+1 m.	32°
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12	12 - 353 06:52 - 16:49		9:57	+1 m.	33°
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19	19 - 346 06:50 - 16:56		10:06	+1 m.	34°
----	---------------------------	--	-------	-------	-----

26	26 - 339 06:46 - 17:03		10:17	+1 m.	36°
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6	6 - 359 06:53 - 16:44		9:51	+1 m.	32°
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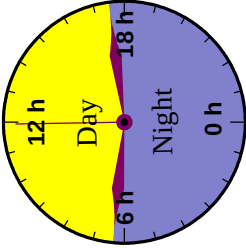
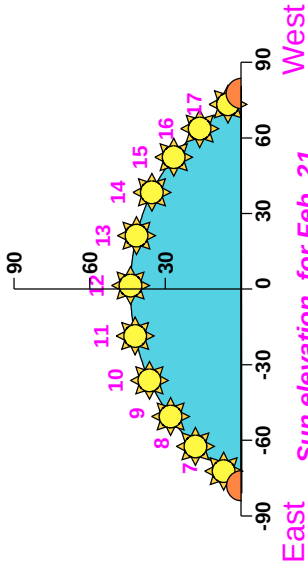
13	13 - 352 06:52 - 16:50		9:58	+1 m.	33°
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20	20 - 345 06:49 - 16:57		10:08	+2 m.	34°
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27	27 - 338 06:46 - 17:04		10:19	+2 m.	36°
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February 2013

Tokyo
139.44°E, 35.68°N



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

Duration of the day, for February 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

4	35 - 330 06:39 - 17:13	10:33	+1 m.	38°
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6

11	42 - 323 06:33 - 17:20	10:47	+2 m.	40°
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7

18	49 - 316 06:25 - 17:27	11:02	+2 m.	43°
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8

25	56 - 309 06:17 - 17:34	11:17	+2 m.	45°
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9

5	36 - 329 06:39 - 17:14	10:35	+2 m.	38°
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12	43 - 322 06:32 - 17:21	10:49	+2 m.	41°
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19	50 - 315 06:24 - 17:28	11:04	+2 m.	43°
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26	57 - 308 06:15 - 17:35	11:19	+2 m.	46°
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6	37 - 328 06:38 - 17:15	10:37	+2 m.	39°
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13	44 - 321 06:31 - 17:22	10:51	+2 m.	41°
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20	51 - 314 06:23 - 17:29	11:06	+2 m.	43°
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27	58 - 307 06:14 - 17:35	11:21	+2 m.	46°
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7	38 - 327 06:37 - 17:16	10:39	+2 m.	39°
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14	45 - 320 06:30 - 17:23	10:53	+2 m.	41°
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21	52 - 313 06:22 - 17:30	11:08	+2 m.	44°
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28	59 - 306 06:13 - 17:36	11:24	+3 m.	46°
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1	32 - 333 06:42 - 17:10	10:28	+2 m.	37°
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8	39 - 326 06:36 - 17:17	10:41	+2 m.	39°
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15	46 - 319 06:29 - 17:24	10:55	+2 m.	42°
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22	53 - 312 06:20 - 17:31	11:10	+2 m.	44°
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2	33 - 332 06:41 - 17:11	10:30	+2 m.	38°
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9	40 - 325 06:35 - 17:18	10:43	+2 m.	40°
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16	47 - 318 06:27 - 17:25	10:58	+3 m.	42°
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23	54 - 311 06:19 - 17:32	11:13	+3 m.	45°
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3	34 - 331 06:40 - 17:12	10:32	+2 m.	38°
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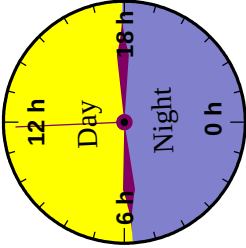
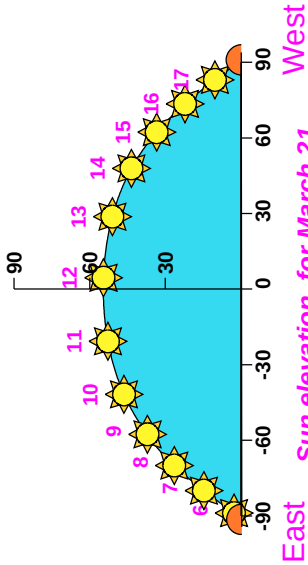
10	41 - 324 06:34 - 17:19	10:45	+2 m.	40°
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17	48 - 317 06:26 - 17:26	11:00	+2 m.	42°
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24	55 - 310 06:18 - 17:33	11:15	+2 m.	45°
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March 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for March 21 West

Duration of the day, for March 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9 4 63 - 302 06:08 - 17:40 11:33 +3 m. 48°	10 5 64 - 301 06:06 - 17:41 11:35 +2 m. 48°	11 6 65 - 300 06:05 - 17:42 11:37 +2 m. 49°	12 7 66 - 299 06:03 - 17:43 11:39 +2 m. 49°	13 8 67 - 298 06:02 - 17:44 11:42 +3 m. 49°	14 9 68 - 297 06:01 - 17:44 11:44 +2 m. 50°	15 10 69 - 296 05:59 - 17:45 11:46 +2 m. 50°
16 11 70 - 295 05:58 - 17:46 11:48 +2 m. 51°	17 12 71 - 294 05:57 - 17:47 11:51 +3 m. 51°	18 13 72 - 293 05:55 - 17:48 11:53 +2 m. 51°	19 14 73 - 292 05:54 - 17:49 11:55 +2 m. 52°	20 15 74 - 291 05:52 - 17:50 11:57 +2 m. 52°	21 16 75 - 290 05:51 - 17:50 12:00 +3 m. 53°	22 17 76 - 289 05:49 - 17:51 12:02 +2 m. 53°
23 18 77 - 288 05:48 - 17:52 12:04 +2 m. 53°	24 19 78 - 287 05:47 - 17:53 12:07 +3 m. 54°	25 20 79 - 286 05:45 - 17:54 12:09 +2 m. 54°	26 21 80 - 285 05:44 - 17:55 12:11 +2 m. 55°	27 22 81 - 284 05:42 - 17:56 12:13 +2 m. 55°	28 23 82 - 283 05:41 - 17:56 12:16 +3 m. 55°	29 24 83 - 282 05:39 - 17:57 12:18 +2 m. 56°
30 25 84 - 281 05:38 - 17:58 12:20 +2 m. 56°	31 26 85 - 280 05:37 - 17:59 12:22 +2 m. 57°	32 27 86 - 279 05:35 - 18:00 12:25 +3 m. 57°	33 28 87 - 278 05:34 - 18:01 12:27 +2 m. 57°	34 29 88 - 277 05:32 - 18:01 12:29 +2 m. 58°	35 30 89 - 276 05:31 - 18:02 12:31 +2 m. 58°	36 31 90 - 275 05:29 - 18:03 12:34 +3 m. 59°

139.44°E, 35.68°N

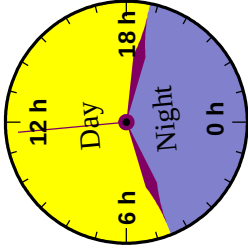
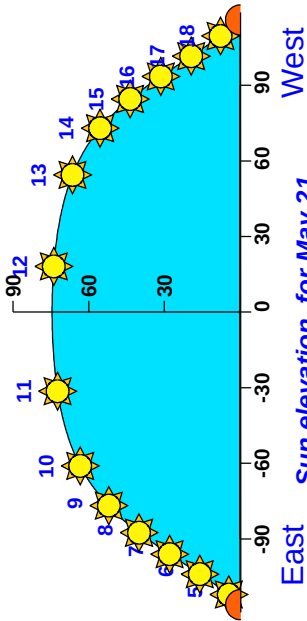
Duration of the day, for April 21

Duration of the day - Variation - Sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 91 - 274 05:28 - 18:04 12:36 +2 m. 59°	2 92 - 273 05:27 - 18:05 12:38 +2 m. 59°	3 93 - 272 05:25 - 18:05 12:40 +2 m. 60°	4 94 - 271 05:24 - 18:06 12:43 +3 m. 60°	5 95 - 270 05:22 - 18:07 12:45 +2 m. 60°	6 96 - 269 05:21 - 18:08 12:47 +2 m. 61°	7 97 - 268 05:20 - 18:09 12:49 +2 m. 61°
14	8 98 - 267 05:18 - 18:10 12:51 +2 m. 62°	9 99 - 266 05:17 - 18:10 12:54 +3 m. 62°	10 100 - 265 05:16 - 18:11 12:56 +2 m. 62°	11 101 - 264 05:14 - 18:12 12:58 +2 m. 63°	12 102 - 263 05:13 - 18:13 13:00 +2 m. 63°	13 103 - 262 05:12 - 18:14 13:02 +2 m. 63°
15	15 105 - 260 05:09 - 18:15 13:07 +3 m. 64°	16 106 - 259 05:08 - 18:16 13:09 +2 m. 64°	17 107 - 258 05:06 - 18:17 13:11 +2 m. 65°	18 108 - 257 05:05 - 18:18 13:13 +2 m. 65°	19 109 - 256 05:04 - 18:19 13:15 +2 m. 66°	20 110 - 255 05:03 - 18:20 13:17 +2 m. 66°
16	22 112 - 253 05:00 - 18:21 13:21 +2 m. 67°	23 113 - 252 04:59 - 18:22 13:23 +2 m. 67°	24 114 - 251 04:58 - 18:23 13:25 +2 m. 67°	25 115 - 250 04:56 - 18:24 13:27 +2 m. 68°	26 116 - 249 04:55 - 18:25 13:29 +2 m. 68°	27 117 - 248 04:54 - 18:25 13:31 +2 m. 68°
17	29 119 - 246 04:52 - 18:27 13:35 +2 m. 69°	30 120 - 245 04:51 - 18:28 13:37 +2 m. 69°				
18						

May 2013

Tokyo
139.44°E, 35.68°N



Sun elevation, for May 21

Duration of the day, for May 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

20

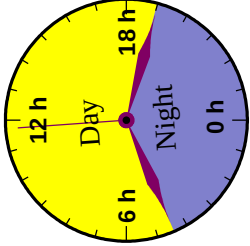
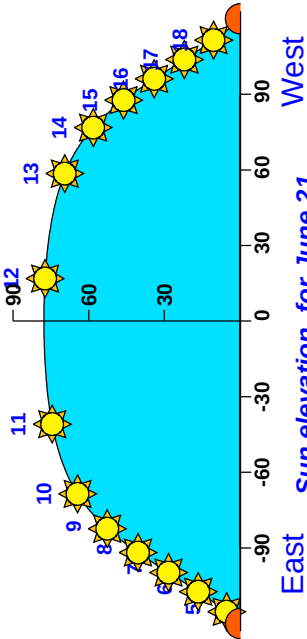
21

22

6 126 - 239 04:45 - 18:33 13:48 +1 m. 71°	7 127 - 238 04:44 - 18:34 13:50 +2 m. 71°	8 128 - 237 04:43 - 18:35 13:52 +2 m. 71°	9 129 - 236 04:42 - 18:35 13:54 +2 m. 72°	10 130 - 235 04:41 - 18:36 13:55 +1 m. 72°	11 131 - 234 04:40 - 18:37 13:57 +2 m. 72°	12 132 - 233 04:39 - 18:38 13:59 +2 m. 72°
13 133 - 232 04:38 - 18:39 14:00 +1 m. 73°	14 134 - 231 04:38 - 18:40 14:02 +2 m. 73°	15 135 - 230 04:37 - 18:40 14:03 +1 m. 73°	16 136 - 229 04:36 - 18:41 14:05 +2 m. 73°	17 137 - 228 04:35 - 18:42 14:07 +2 m. 74°	18 138 - 227 04:35 - 18:43 14:08 +1 m. 74°	19 139 - 226 04:34 - 18:43 14:09 +1 m. 74°
20 140 - 225 04:33 - 18:44 14:11 +2 m. 74°	21 141 - 224 04:33 - 18:45 14:12 +1 m. 75°	22 142 - 223 04:32 - 18:46 14:14 +2 m. 75°	23 143 - 222 04:32 - 18:47 14:15 +1 m. 75°	24 144 - 221 04:31 - 18:47 14:16 +1 m. 75°	25 145 - 220 04:31 - 18:48 14:17 +1 m. 75°	26 146 - 219 04:30 - 18:49 14:19 +2 m. 75°
27 147 - 218 04:30 - 18:49 14:20 +1 m. 76°	28 148 - 217 04:29 - 18:50 14:21 +1 m. 76°	29 149 - 216 04:29 - 18:51 14:22 +1 m. 76°	30 150 - 215 04:28 - 18:51 14:23 +1 m. 76°	31 151 - 214 04:28 - 18:52 14:24 +1 m. 76°		

June 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for June 21

West Duration of the day, for June 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

24

25

26

3	154 - 211 04:27 - 18:54	14:27	+1 m.	77°

10	161 - 204 04:26 - 18:58	14:32	+1 m.	77°

17	168 - 197 04:26 - 19:00	14:34	+0 m.	78°

24	175 - 190 04:28 - 19:02	14:34	+0 m.	78°

4	155 - 210 04:27 - 18:55	14:28	+1 m.	77°

11	162 - 203 04:26 - 18:58	14:32	+0 m.	77°

18	169 - 196 04:26 - 19:01	14:34	+0 m.	78°

25	176 - 189 04:28 - 19:02	14:34	+0 m.	78°

5	156 - 209 04:27 - 18:55	14:29	+1 m.	77°

12	163 - 202 04:26 - 18:59	14:33	+1 m.	77°

19	170 - 195 04:27 - 19:01	14:35	+1 m.	78°

26	177 - 188 04:28 - 19:02	14:34	+0 m.	78°

6	157 - 208 04:26 - 18:56	14:29	+0 m.	77°

13	164 - 201 04:26 - 18:59	14:33	+0 m.	78°

20	171 - 194 04:27 - 19:01	14:35	+0 m.	78°

27	178 - 187 04:29 - 19:02	14:33	-1 m.	78°

7	158 - 207 04:26 - 18:56	14:30	+1 m.	77°

14	165 - 200 04:26 - 18:59	14:33	+0 m.	78°

21	172 - 193 04:27 - 19:01	14:34	-1 m.	78°

28	179 - 186 04:29 - 19:02	14:33	+0 m.	78°

1	152 - 213 04:28 - 18:53	14:25	+1 m.	76°

8	159 - 206 04:26 - 18:57	14:31	+1 m.	77°

15	166 - 199 04:26 - 19:00	14:34	+1 m.	78°

22	173 - 192 04:27 - 19:02	14:35	+1 m.	78°

29	180 - 185 04:30 - 19:02	14:33	+0 m.	78°

2	153 - 212 04:27 - 18:53	14:26	+1 m.	77°

9	160 - 205 04:26 - 18:57	14:31	+0 m.	77°

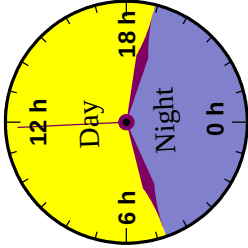
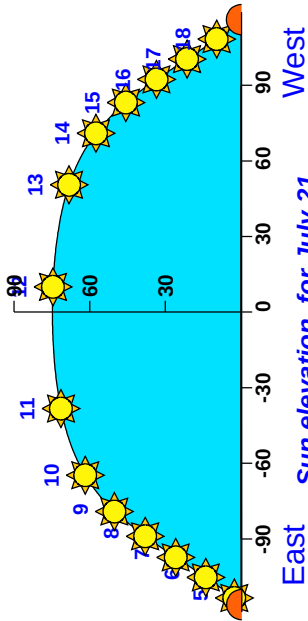
16	167 - 198 04:26 - 19:00	14:34	+0 m.	78°

23	174 - 191 04:28 - 19:02	14:34	-1 m.	78°

30	181 - 184 04:30 - 19:02	14:32	-1 m.	77°

July 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for July 21 West

Duration of the day, for July 21

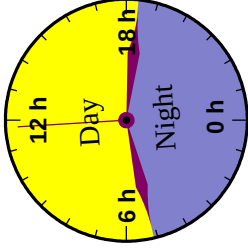
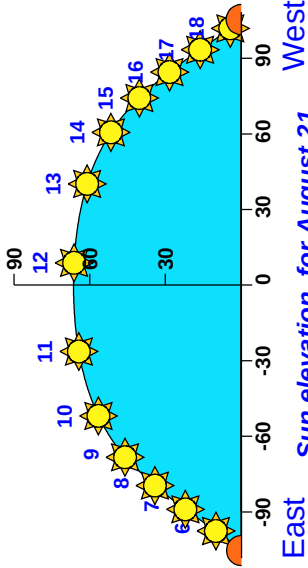
Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
1	182 - 183 04:31 - 19:02 14:32 +0 m. 77°	2	183 - 182 04:31 - 19:02 14:31 -1 m. 77°	3	184 - 181 04:31 - 19:02 14:31 +0 m. 77°	4	185 - 180 04:32 - 19:02 14:30 -1 m. 77°	5	186 - 179 04:32 - 19:02 14:29 -1 m. 77°	6	187 - 178 04:33 - 19:02 14:29 +0 m. 77°	7	188 - 177 04:34 - 19:01 14:28 -1 m. 77°
8	189 - 176 04:34 - 19:01 14:27 -1 m. 77°	9	190 - 175 04:35 - 19:01 14:26 -1 m. 77°	10	191 - 174 04:35 - 19:01 14:25 -1 m. 77°	11	192 - 173 04:36 - 19:00 14:24 -1 m. 76°	12	193 - 172 04:37 - 19:00 14:23 -1 m. 76°	13	194 - 171 04:37 - 18:59 14:22 -1 m. 76°	14	195 - 170 04:38 - 18:59 14:21 -1 m. 76°
15	196 - 169 04:38 - 18:59 14:20 -1 m. 76°	16	197 - 168 04:39 - 18:58 14:19 -1 m. 76°	17	198 - 167 04:40 - 18:58 14:18 -1 m. 76°	18	199 - 166 04:41 - 18:57 14:17 -1 m. 75°	19	200 - 165 04:41 - 18:57 14:15 -2 m. 75°	20	201 - 164 04:42 - 18:56 14:14 -1 m. 75°	21	202 - 163 04:43 - 18:55 14:13 -1 m. 75°
22	203 - 162 04:43 - 18:55 14:11 -2 m. 75°	23	204 - 161 04:44 - 18:54 14:10 -1 m. 74°	24	205 - 160 04:45 - 18:53 14:09 -1 m. 74°	25	206 - 159 04:46 - 18:53 14:07 -2 m. 74°	26	207 - 158 04:46 - 18:52 14:06 -1 m. 74°	27	208 - 157 04:47 - 18:51 14:04 -2 m. 74°	28	209 - 156 04:48 - 18:50 14:03 -1 m. 73°
29	210 - 155 04:49 - 18:49 14:01 -2 m. 73°	30	211 - 154 04:49 - 18:49 13:59 -2 m. 73°	31	212 - 153 04:50 - 18:48 13:58 -1 m. 73°								

August 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for August 21 West

Duration of the day, for August 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

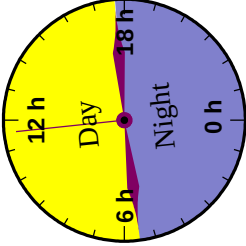
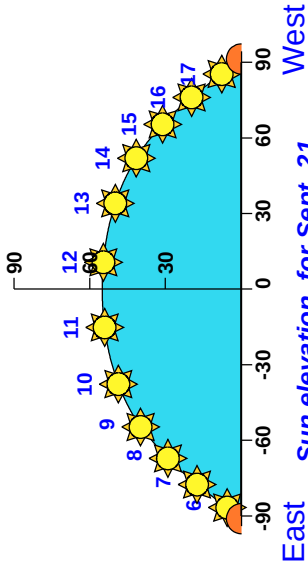
34

35

5	217 - 148 04:54 - 18:43 13:49 -2 m. 71°	6	218 - 147 04:55 - 18:42 13:47 -2 m. 71°	7	219 - 146 04:56 - 18:41 13:46 -1 m. 71°	1	213 - 152 04:51 - 18:47 13:56 -2 m. 72°	2	214 - 151 04:52 - 18:46 13:54 -2 m. 72°	3	215 - 150 04:52 - 18:45 13:53 -1 m. 72°	4	216 - 149 04:53 - 18:44 13:51 -2 m. 72°
12	224 - 141 05:00 - 18:36 13:36 -2 m. 69°	13	225 - 140 05:00 - 18:35 13:34 -2 m. 69°	14	226 - 139 05:01 - 18:33 13:32 -2 m. 69°	8	220 - 145 04:56 - 18:40 13:44 -2 m. 70°	9	221 - 144 04:57 - 18:39 13:42 -2 m. 70°	10	222 - 143 04:58 - 18:38 13:40 -2 m. 70°	11	223 - 142 04:59 - 18:37 13:38 -2 m. 70°
19	231 - 134 05:05 - 18:27 13:23 -1 m. 67°	20	232 - 133 05:06 - 18:26 13:20 -3 m. 67°	21	233 - 132 05:07 - 18:25 13:18 -2 m. 66°	15	227 - 138 05:02 - 18:32 13:30 -2 m. 68°	16	228 - 137 05:03 - 18:31 13:29 -1 m. 68°	17	229 - 136 05:03 - 18:30 13:27 -2 m. 68°	18	230 - 135 05:04 - 18:29 13:24 -3 m. 67°
26	238 - 127 05:10 - 18:18 13:08 -2 m. 65°	27	239 - 126 05:11 - 18:17 13:06 -2 m. 64°	28	240 - 125 05:12 - 18:16 13:04 -2 m. 64°	22	234 - 131 05:07 - 18:24 13:16 -2 m. 66°	23	235 - 130 05:08 - 18:22 13:14 -2 m. 66°	24	236 - 129 05:09 - 18:21 13:12 -2 m. 65°	25	237 - 128 05:10 - 18:20 13:10 -2 m. 65°

September 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for Sept. 21 West

Duration of the day, for September 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

2	245 - 120 05:16 - 18:09	12:53	-2 m.	62°
12:53 -2 m. 63°				

36

9	252 - 113 05:21 - 17:59	12:38	-2 m.	60°
12:38 -2 m. 60°				

37

16	259 - 106 05:26 - 17:49	12:22	-3 m.	57°
12:22 -3 m. 57°				

38

23	266 - 99 05:32 - 17:38	12:07	-2 m.	54°
12:07 -2 m. 54°				

39

30	273 - 92 05:37 - 17:28	11:51	-2 m.	52°
11:51 -2 m. 52°				

3	246 - 119 05:16 - 18:07	12:51	-2 m.	62°
12:51 -2 m. 62°				

10	253 - 112 05:22 - 17:57	12:36	-2 m.	59°
12:36 -2 m. 59°				

17	260 - 105 05:27 - 17:47	12:20	-2 m.	57°
12:20 -2 m. 57°				

24	267 - 98 05:32 - 17:37	12:05	-2 m.	54°
12:05 -2 m. 54°				

4	247 - 118 05:17 - 18:06	12:49	-2 m.	61°
12:49 -2 m. 61°				

11	254 - 111 05:22 - 17:56	12:34	-2 m.	59°
12:34 -2 m. 59°				

18	261 - 104 05:28 - 17:46	12:18	-2 m.	56°
12:18 -2 m. 56°				

25	268 - 97 05:33 - 17:35	12:02	-3 m.	53°
12:02 -3 m. 53°				

5	248 - 117 05:18 - 18:05	12:47	-2 m.	61°
12:47 -2 m. 61°				

12	255 - 110 05:23 - 17:54	12:31	-3 m.	58°
12:31 -3 m. 58°				

19	262 - 103 05:29 - 17:44	12:16	-2 m.	56°
12:16 -2 m. 56°				

26	269 - 96 05:34 - 17:34	12:00	-2 m.	53°
12:00 -2 m. 53°				

6	249 - 116 05:19 - 18:03	12:44	-3 m.	61°
12:44 -3 m. 61°				

13	256 - 109 05:24 - 17:53	12:29	-2 m.	58°
12:29 -2 m. 58°				

20	263 - 102 05:29 - 17:43	12:14	-2 m.	55°
12:14 -2 m. 55°				

27	270 - 95 05:35 - 17:32	11:58	-2 m.	53°
11:58 -2 m. 53°				

7	250 - 115 05:19 - 18:02	12:42	-2 m.	60°
12:42 -2 m. 60°				

14	257 - 108 05:25 - 17:52	12:27	-2 m.	58°
12:27 -2 m. 58°				

21	264 - 101 05:30 - 17:41	12:11	-3 m.	55°
12:11 -3 m. 55°				

28	271 - 94 05:35 - 17:31	11:56	-2 m.	52°
11:56 -2 m. 52°				

8	251 - 114 05:20 - 18:00	12:40	-2 m.	60°
12:40 -2 m. 60°				

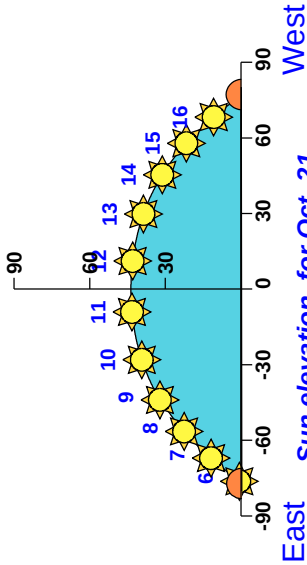
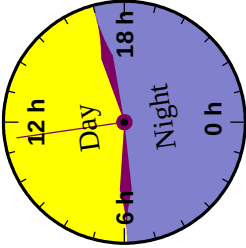
15	258 - 107 05:25 - 17:50	12:25	-2 m.	57°
12:25 -2 m. 57°				

22	265 - 100 05:31 - 17:40	12:09	-2 m.	55°
12:09 -2 m. 55°				

29	272 - 93 05:36 - 17:30	11:53	-3 m.	52°
11:53 -3 m. 52°				

October 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for Oct. 21 West

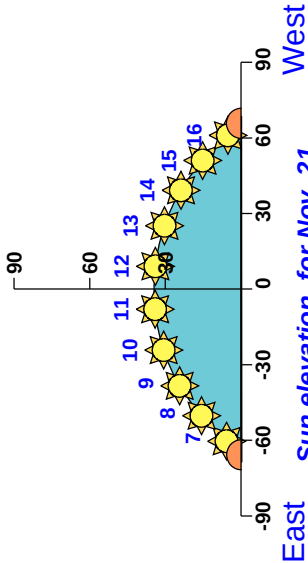
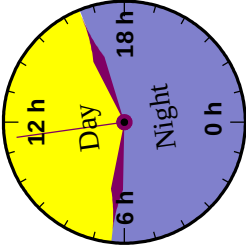
Duration of the day, for October 21

Sunrise and Sunset at Tokyo (TL ± 1 mn) Duration of the day - Variation - Sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
40	7 280 - 85 05:43 - 17:18 11:36 -2 m. 49°	8 281 - 84 05:44 - 17:17 11:33 -3 m. 48°	1 274 - 91 05:38 - 17:27 11:49 -2 m. 51°	2 275 - 90 05:39 - 17:25 11:47 -2 m. 51°	3 276 - 89 05:39 - 17:24 11:44 -3 m. 50°	4 277 - 88 05:40 - 17:22 11:42 -2 m. 50°	5 278 - 87 05:41 - 17:21 11:40 -2 m. 50°	6 279 - 86 05:42 - 17:20 11:38 -2 m. 49°	41	14 287 - 78 05:49 - 17:09 11:20 -2 m. 46°	15 288 - 77 05:49 - 17:07 11:18 -2 m. 46°	21 294 - 71 05:55 - 17:00 11:05 -2 m. 44°	28 301 - 64 06:01 - 16:52 10:51 -2 m. 41°
41	8 281 - 84 05:44 - 17:17 11:33 -3 m. 48°	9 282 - 83 05:44 - 17:15 11:31 -2 m. 48°	10 283 - 82 05:45 - 17:14 11:29 -2 m. 48°	11 284 - 81 05:46 - 17:13 11:27 -2 m. 47°	12 285 - 80 05:47 - 17:11 11:25 -2 m. 47°	13 286 - 79 05:48 - 17:10 11:22 -3 m. 47°	19 292 - 73 05:53 - 17:02 11:09 -3 m. 44°	20 293 - 72 05:54 - 17:01 11:07 -2 m. 44°	42	16 289 - 76 05:50 - 17:06 11:16 -2 m. 45°	17 290 - 75 05:51 - 17:05 11:14 -2 m. 45°	22 295 - 70 05:56 - 16:59 11:03 -2 m. 43°	29 302 - 63 06:02 - 16:51 10:48 -3 m. 41°
42	9 282 - 83 05:44 - 17:15 11:31 -2 m. 48°	10 283 - 82 05:45 - 17:14 11:29 -2 m. 48°	11 284 - 81 05:46 - 17:13 11:27 -2 m. 47°	12 285 - 80 05:47 - 17:11 11:25 -2 m. 47°	13 286 - 79 05:48 - 17:10 11:22 -3 m. 47°	19 292 - 73 05:53 - 17:02 11:09 -3 m. 44°	20 293 - 72 05:54 - 17:01 11:07 -2 m. 44°	26 299 - 66 05:59 - 16:54 10:55 -2 m. 42°	43	17 290 - 75 05:51 - 17:05 11:14 -2 m. 45°	18 291 - 74 05:52 - 17:04 11:12 -2 m. 45°	23 296 - 69 05:57 - 16:57 11:01 -2 m. 43°	30 303 - 62 06:03 - 16:50 10:47 -1 m. 41°
43	10 283 - 82 05:45 - 17:14 11:29 -2 m. 48°	11 284 - 81 05:46 - 17:13 11:27 -2 m. 47°	12 285 - 80 05:47 - 17:11 11:25 -2 m. 47°	13 286 - 79 05:48 - 17:10 11:22 -3 m. 47°	19 292 - 73 05:53 - 17:02 11:09 -3 m. 44°	20 293 - 72 05:54 - 17:01 11:07 -2 m. 44°	26 299 - 66 05:59 - 16:54 10:55 -2 m. 42°	27 300 - 65 06:00 - 16:53 10:53 -2 m. 42°	44	18 291 - 74 05:52 - 17:04 11:12 -2 m. 45°	19 292 - 73 05:53 - 17:02 11:09 -3 m. 44°	24 297 - 68 05:58 - 16:56 10:59 -2 m. 43°	31 304 - 61 06:04 - 16:48 10:44 -3 m. 40°

November 2013

Tokyo
139.44°E, 35.68°N



Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day, for November 21

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

45

46

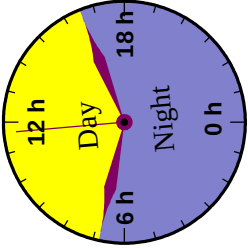
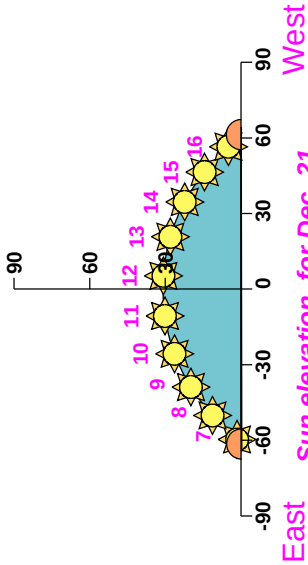
47

48

3	307 - 58 06:07 - 16:45	2	306 - 59 06:06 - 16:46	1	305 - 60 06:05 - 16:47	7	311 - 54 06:11 - 16:42	6	310 - 55 06:10 - 16:43	5	309 - 56 06:09 - 16:44	4	308 - 57 06:08 - 16:45
10:38	-2 m. 39°	10:40	-2 m. 40°	10:42	-2 m. 40°	10:31	-2 m. 38°	10:33	-2 m. 38°	10:35	-2 m. 39°	10:37	-1 m. 39°
314 - 51 06:14 - 16:39		313 - 52 06:13 - 16:40		312 - 53 06:12 - 16:41		311 - 54 06:11 - 16:42		310 - 55 06:10 - 16:43		309 - 56 06:09 - 16:44		308 - 57 06:08 - 16:45	
10:25	-2 m. 37°	10:27	-2 m. 37°	10:29	-2 m. 38°	10:31	-2 m. 38°	10:33	-2 m. 38°	10:35	-2 m. 39°	10:37	-1 m. 39°
321 - 44 06:21 - 16:34		320 - 45 06:20 - 16:35		319 - 46 06:19 - 16:36		318 - 47 06:18 - 16:36		317 - 48 06:17 - 16:37		316 - 49 06:16 - 16:38		315 - 50 06:15 - 16:39	
10:14	-1 m. 35°	10:15	-2 m. 36°	10:17	-2 m. 36°	10:19	-1 m. 36°	10:20	-2 m. 36°	10:22	-2 m. 37°	10:24	-1 m. 37°
328 - 37 06:28 - 16:31		327 - 38 06:27 - 16:31		326 - 39 06:26 - 16:32		325 - 40 06:25 - 16:32		324 - 41 06:24 - 16:33		323 - 42 06:23 - 16:33		322 - 43 06:22 - 16:34	
10:03	-2 m. 34°	10:05	-1 m. 34°	10:06	-2 m. 34°	10:08	-1 m. 34°	10:09	-1 m. 35°	10:10	-2 m. 35°	10:12	-2 m. 35°
334 - 31 06:33 - 16:29		333 - 32 06:32 - 16:30		332 - 33 06:32 - 16:30		325 - 40 06:25 - 16:32		324 - 41 06:24 - 16:33		323 - 42 06:23 - 16:33		322 - 43 06:22 - 16:34	
9:55	-2 m. 33°	9:57	-1 m. 33°	9:58	-1 m. 33°	9:59	-2 m. 33°	9:59	-2 m. 33°	10:01	-1 m. 33°	10:02	-1 m. 34°

December 2013

Tokyo
139.44°E, 35.68°N



East Sun elevation, for Dec. 21 West

Duration of the day, for December 21

Sunrise and Sunset at Tokyo (TL ± 1 mn)

Duration of the day - Variation - Sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

48

49

50

51

52

53

2 336 - 29 06:35 - 16:29 9:54 +0 m. 32°	3 337 - 28 06:36 - 16:29 9:52 -2 m. 32°	4 338 - 27 06:37 - 16:29 9:52 +0 m. 32°	5 339 - 26 06:38 - 16:29 9:51 -1 m. 32°	6 340 - 25 06:39 - 16:29 9:50 -1 m. 32°	7 341 - 24 06:39 - 16:29 9:49 -1 m. 32°	8 342 - 23 06:40 - 16:29 9:48 -1 m. 32°	1 335 - 30 06:34 - 16:29 9:54 -1 m. 33°
9 343 - 22 06:41 - 16:29 9:48 +0 m. 32°	10 344 - 21 06:42 - 16:29 9:47 -1 m. 31°	11 345 - 20 06:42 - 16:29 9:46 -1 m. 31°	12 346 - 19 06:43 - 16:29 9:46 +0 m. 31°	13 347 - 18 06:44 - 16:30 9:45 -1 m. 31°	14 348 - 17 06:45 - 16:30 9:45 +0 m. 31°	15 349 - 16 06:45 - 16:30 9:45 +0 m. 31°	
16 350 - 15 06:46 - 16:31 9:44 -1 m. 31°	17 351 - 14 06:46 - 16:31 9:44 +0 m. 31°	18 352 - 13 06:47 - 16:31 9:44 +0 m. 31°	19 353 - 12 06:48 - 16:32 9:44 +0 m. 31°	20 354 - 11 06:48 - 16:32 9:44 +0 m. 31°	21 355 - 10 06:49 - 16:33 9:44 +0 m. 31°	22 356 - 9 06:49 - 16:33 9:44 +0 m. 31°	
23 357 - 8 06:50 - 16:34 9:44 +0 m. 31°	24 358 - 7 06:50 - 16:34 9:44 +0 m. 31°	25 359 - 6 06:50 - 16:35 9:44 +0 m. 31°	26 360 - 5 06:51 - 16:35 9:44 +0 m. 31°	27 361 - 4 06:51 - 16:36 9:45 +1 m. 31°	28 362 - 3 06:51 - 16:37 9:45 +0 m. 31°	29 363 - 2 06:52 - 16:37 9:45 +0 m. 31°	
30 364 - 1 06:52 - 16:38 9:46 +1 m. 31°	31 365 - 0 06:52 - 16:39 9:46 +0 m. 31°						