

Sun Calendar 2018

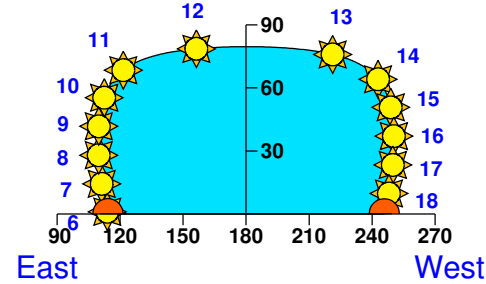
Produced by *ScientiDev*
www.scientidev.fr

Bangkok
100.48°E, 13.08°N



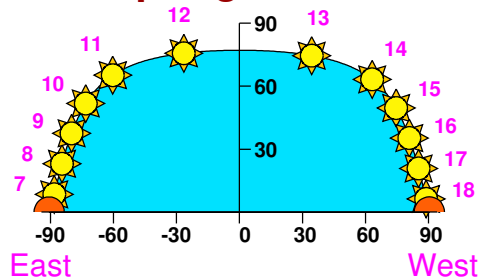
Tropical zone

Summer



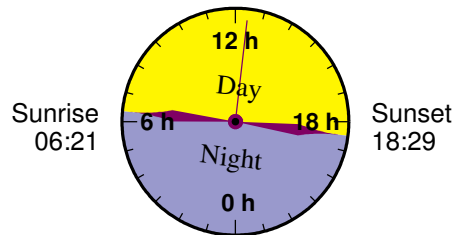
June 21

Spring



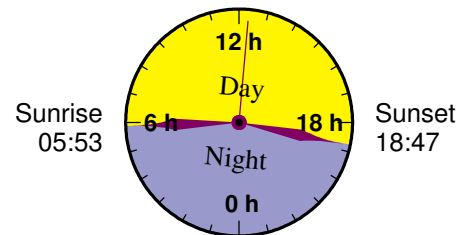
March 21

Day duration 12:08



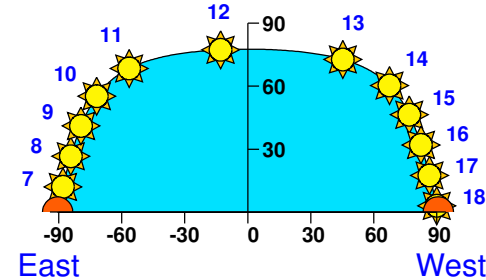
Spring Equinox

Day duration 12:54



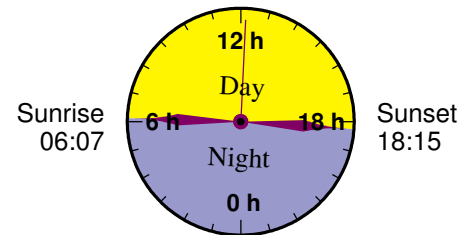
Summer Solstice

Autumn



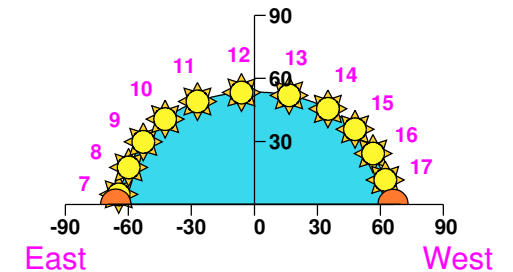
Sept. 21

Day duration 12:08



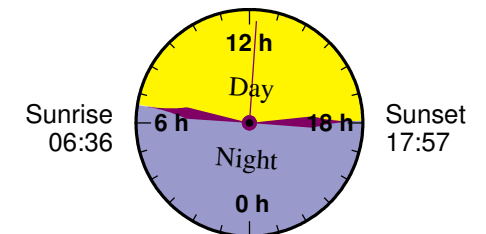
Autumn Equinox

Winter



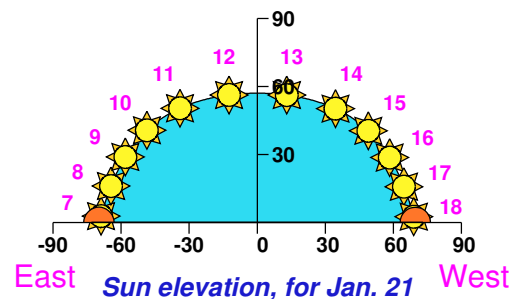
Dec. 21

Day duration 11:21

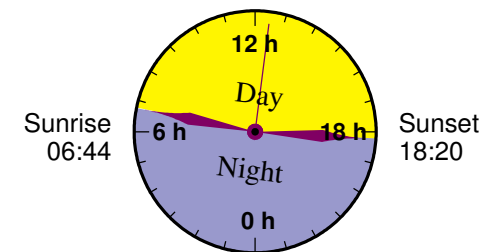


Winter Solstice

January 2018



Bangkok
100.48°E, 13.08°N

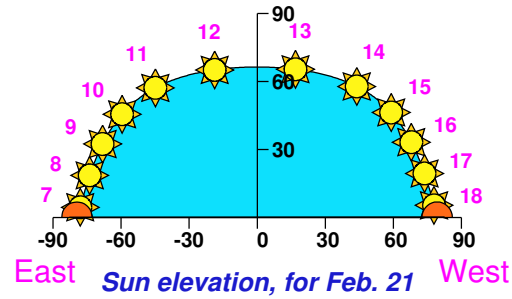


Duration of the day, for January 21

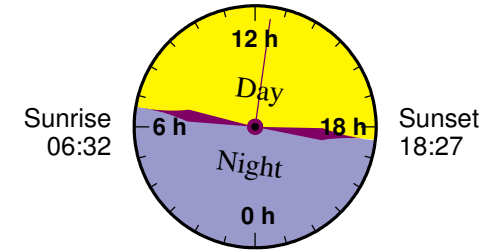
Sunrise and Sunset at Bangkok (TL $\pm$ 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 06:41 - 18:03 54° 	2 2 - 363 06:41 - 18:03 54° 	3 3 - 362 06:42 - 18:04 54° 	4 4 - 361 06:42 - 18:05 54° 	5 5 - 360 06:42 - 18:05 54° 	6 6 - 359 06:43 - 18:06 54° 	7 7 - 358 06:43 - 18:06 55°
2	8 8 - 357 06:43 - 18:07 55° 	9 9 - 356 06:43 - 18:07 55° 	10 10 - 355 06:44 - 18:08 55° 	11 11 - 354 06:44 - 18:09 55° 	12 12 - 353 06:44 - 18:09 55° 	13 13 - 352 06:44 - 18:10 55° 	14 14 - 351 06:44 - 18:10 56°
3	15 15 - 350 06:45 - 18:11 56° 	16 16 - 349 06:45 - 18:11 56° 	17 17 - 348 06:45 - 18:12 56° 	18 18 - 347 06:45 - 18:12 56° 	19 19 - 346 06:45 - 18:13 57° 	20 20 - 345 06:45 - 18:13 57° 	21 21 - 344 06:45 - 18:14 57°
4	22 22 - 343 06:45 - 18:14 57° 	23 23 - 342 06:45 - 18:15 57° 	24 24 - 341 06:45 - 18:15 58° 	25 25 - 340 06:45 - 18:16 58° 	26 26 - 339 06:45 - 18:16 58° 	27 27 - 338 06:45 - 18:17 58° 	28 28 - 337 06:45 - 18:17 59°
5	29 29 - 336 06:45 - 18:18 59° 	30 30 - 335 06:45 - 18:18 59° 	31 31 - 334 06:45 - 18:19 60° 				

February 2018



Bangkok
100.48°E, 13.08°N



Duration of the day, for February 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

1 32 - 333 06:44 - 18:19 60°	2 33 - 332 06:44 - 18:19 60°	3 34 - 331 06:44 - 18:20 60°	4 35 - 330 06:44 - 18:20 61°

6

5 36 - 329 06:44 - 18:21 61°	6 37 - 328 06:43 - 18:21 61°	7 38 - 327 06:43 - 18:21 62°	8 39 - 326 06:43 - 18:22 62°	9 40 - 325 06:43 - 18:22 62°	10 41 - 324 06:42 - 18:22 63°	11 42 - 323 06:42 - 18:23 63°

7

12 43 - 322 06:42 - 18:23 63°	13 44 - 321 06:41 - 18:23 64°	14 45 - 320 06:41 - 18:24 64°	15 46 - 319 06:41 - 18:24 64°	16 47 - 318 06:40 - 18:24 65°	17 48 - 317 06:40 - 18:24 65°	18 49 - 316 06:39 - 18:25 65°

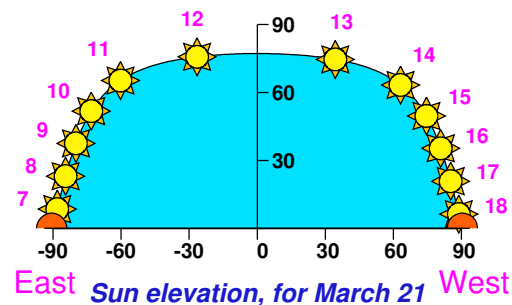
8

19 50 - 315 06:39 - 18:25 66°	20 51 - 314 06:38 - 18:25 66°	21 52 - 313 06:38 - 18:25 66°	22 53 - 312 06:38 - 18:26 67°	23 54 - 311 06:37 - 18:26 67°	24 55 - 310 06:37 - 18:26 67°	25 56 - 309 06:36 - 18:26 68°

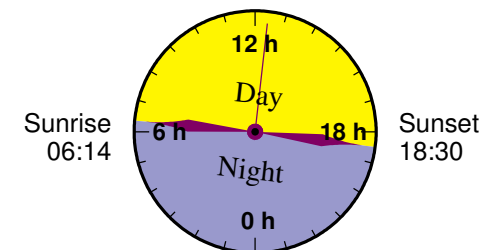
9

26 57 - 308 06:35 - 18:26 68°	27 58 - 307 06:35 - 18:27 69°	28 59 - 306 06:34 - 18:27 69°

March 2018



Bangkok
100.48°E, 13.08°N



Duration of the day, for March 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

9

1 60 - 305
06:34 - 18:27 69°

2 61 - 304
06:33 - 18:27 70°

3 62 - 303
06:33 - 18:27 70°

4 63 - 302
06:32 - 18:27 70°

10

5 64 - 301
06:32 - 18:28 71°

6 65 - 300
06:31 - 18:28 71°

7 66 - 299
06:30 - 18:28 72°

8 67 - 298
06:30 - 18:28 72°

9 68 - 297
06:29 - 18:28 72°

10 69 - 296
06:29 - 18:28 73°

11 70 - 295
06:28 - 18:28 73°

11

12 71 - 294
06:27 - 18:28 74°

13 72 - 293
06:27 - 18:29 74°

14 73 - 292
06:26 - 18:29 74°

15 74 - 291
06:25 - 18:29 75°

16 75 - 290
06:25 - 18:29 75°

17 76 - 289
06:24 - 18:29 76°

18 77 - 288
06:23 - 18:29 76°

12

19 78 - 287
06:23 - 18:29 76°

20 79 - 286
06:22 - 18:29 77°

21 80 - 285
06:21 - 18:29 77°

22 81 - 284
06:21 - 18:29 78°

23 82 - 283
06:20 - 18:29 78°

24 83 - 282
06:19 - 18:29 78°

25 84 - 281
06:19 - 18:29 79°

13

26 85 - 280
06:18 - 18:29 79°

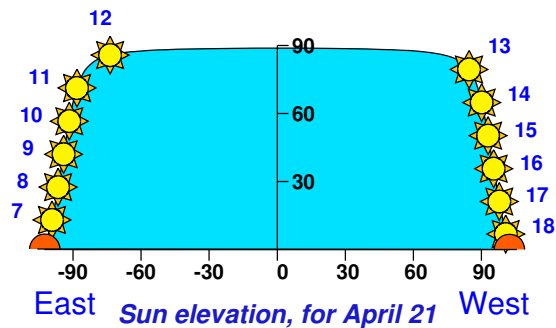
27 86 - 279
06:17 - 18:30 80°

28 87 - 278
06:17 - 18:30 80°

29 88 - 277
06:16 - 18:30 80°

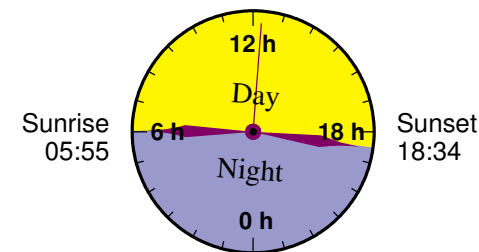
30 89 - 276
06:15 - 18:30 81°

31 90 - 275
06:15 - 18:30 81°



April 2018

Bangkok
100.48°E, 13.08°N



Duration of the day, for April 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

13

14

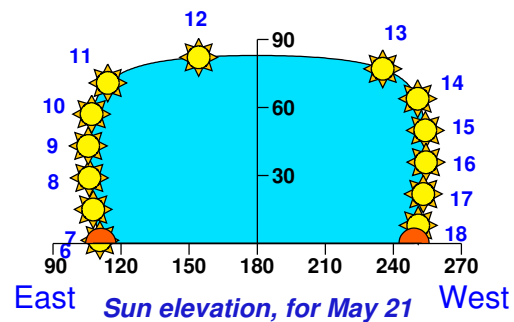
15

16

17

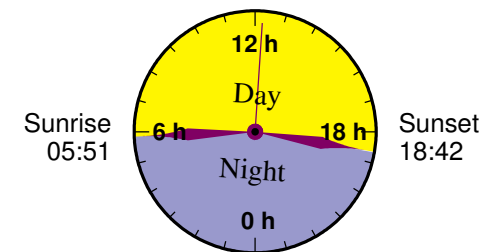
18

						1 91 - 274 06:14 - 18:30 81°
2 92 - 273 06:13 - 18:30 82° 	3 93 - 272 06:13 - 18:30 82° 	4 94 - 271 06:12 - 18:30 83° 	5 95 - 270 06:11 - 18:30 83° 	6 96 - 269 06:11 - 18:30 83° 	7 97 - 268 06:10 - 18:30 84° 	8 98 - 267 06:10 - 18:30 84°
9 99 - 266 06:09 - 18:30 84° 	10 100 - 265 06:08 - 18:31 85° 	11 101 - 264 06:08 - 18:31 85° 	12 102 - 263 06:07 - 18:31 86° 	13 103 - 262 06:06 - 18:31 86° 	14 104 - 261 06:06 - 18:31 86° 	15 105 - 260 06:05 - 18:31 87°
16 106 - 259 06:05 - 18:31 87° 	17 107 - 258 06:04 - 18:31 87° 	18 108 - 257 06:04 - 18:31 88° 	19 109 - 256 06:03 - 18:31 88° 	20 110 - 255 06:02 - 18:32 88° 	21 111 - 254 06:02 - 18:32 89° 	22 112 - 253 06:01 - 18:32 89°
23 113 - 252 06:01 - 18:32 89° 	24 114 - 251 06:00 - 18:32 89° 	25 115 - 250 06:00 - 18:32 89° 	26 116 - 249 05:59 - 18:32 89° 	27 117 - 248 05:59 - 18:33 89° 	28 118 - 247 05:58 - 18:33 89° 	29 119 - 246 05:58 - 18:33 89°
30 120 - 245 05:58 - 18:33 88° 						



May 2018

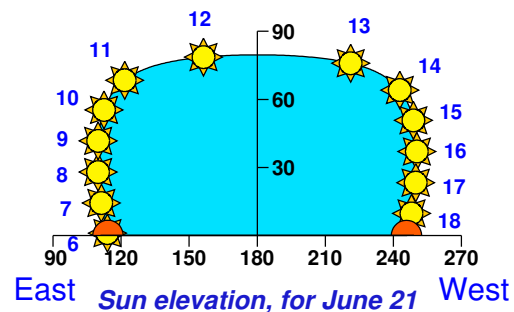
Bangkok
100.48°E, 13.08°N



Duration of the day, for May 21

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

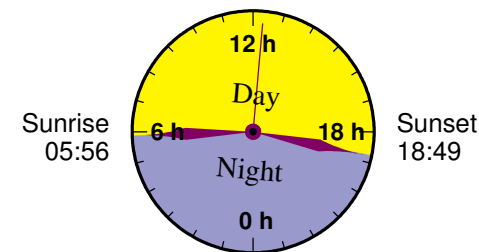
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
18		1 121 - 244 05:57 - 18:33 88° 	2 122 - 243 05:57 - 18:34 88° 	3 123 - 242 05:56 - 18:34 87° 	4 124 - 241 05:56 - 18:34 87° 	5 125 - 240 05:56 - 18:34 87° 	6 126 - 239 05:55 - 18:34 87°
19	7 127 - 238 05:55 - 18:35 86° 	8 128 - 237 05:55 - 18:35 86° 	9 129 - 236 05:54 - 18:35 86° 	10 130 - 235 05:54 - 18:35 85° 	11 131 - 234 05:54 - 18:35 85° 	12 132 - 233 05:53 - 18:36 85° 	13 133 - 232 05:53 - 18:36 85°
20	14 134 - 231 05:53 - 18:36 84° 	15 135 - 230 05:53 - 18:37 84° 	16 136 - 229 05:52 - 18:37 84° 	17 137 - 228 05:52 - 18:37 84° 	18 138 - 227 05:52 - 18:37 84° 	19 139 - 226 05:52 - 18:38 83° 	20 140 - 225 05:52 - 18:38 83°
21	21 141 - 224 05:51 - 18:38 83° 	22 142 - 223 05:51 - 18:38 83° 	23 143 - 222 05:51 - 18:39 83° 	24 144 - 221 05:51 - 18:39 82° 	25 145 - 220 05:51 - 18:39 82° 	26 146 - 219 05:51 - 18:40 82° 	27 147 - 218 05:51 - 18:40 82°
22	28 148 - 217 05:51 - 18:40 82° 	29 149 - 216 05:51 - 18:41 81° 	30 150 - 215 05:51 - 18:41 81° 	31 151 - 214 05:51 - 18:41 81° 			



June 2018

Bangkok

100.48°E, 13.08°N



Duration of the day, for June 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

1 152 - 213
05:51 - 18:41 81°

2 153 - 212
05:51 - 18:42 81°

3 154 - 211
05:51 - 18:42 81°

23

4 155 - 210
05:51 - 18:42 81°

5 156 - 209
05:51 - 18:43 81°

6 157 - 208
05:51 - 18:43 80°

7 158 - 207
05:51 - 18:43 80°

8 159 - 206
05:51 - 18:44 80°

9 160 - 205
05:51 - 18:44 80°

10 161 - 204
05:51 - 18:44 80°

24

11 162 - 203
05:51 - 18:44 80°

12 163 - 202
05:52 - 18:45 80°

13 164 - 201
05:52 - 18:45 80°

14 165 - 200
05:52 - 18:45 80°

15 166 - 199
05:52 - 18:45 80°

16 167 - 198
05:52 - 18:46 80°

17 168 - 197
05:52 - 18:46 80°

25

18 169 - 196
05:53 - 18:46 80°

19 170 - 195
05:53 - 18:46 80°

20 171 - 194
05:53 - 18:47 80°

21 172 - 193
05:53 - 18:47 80°

22 173 - 192
05:53 - 18:47 80°

23 174 - 191
05:54 - 18:47 80°

24 175 - 190
05:54 - 18:48 80°

26

25 176 - 189
05:54 - 18:48 80°

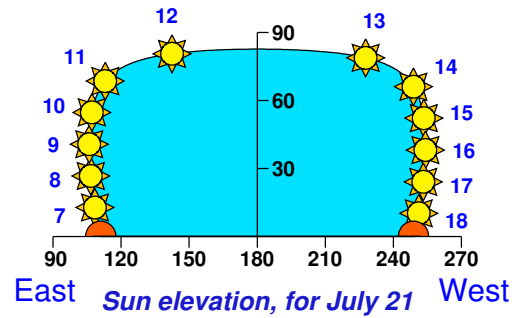
26 177 - 188
05:54 - 18:48 80°

27 178 - 187
05:55 - 18:48 80°

28 179 - 186
05:55 - 18:48 80°

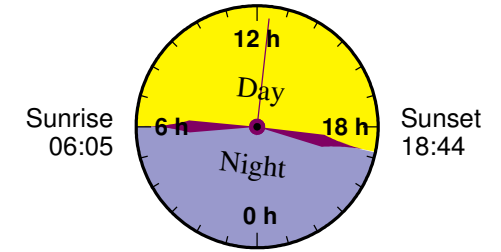
29 180 - 185
05:55 - 18:48 80°

30 181 - 184
05:55 - 18:48 80°



July 2018

Bangkok
100.48°E, 13.08°N



Duration of the day, for July 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

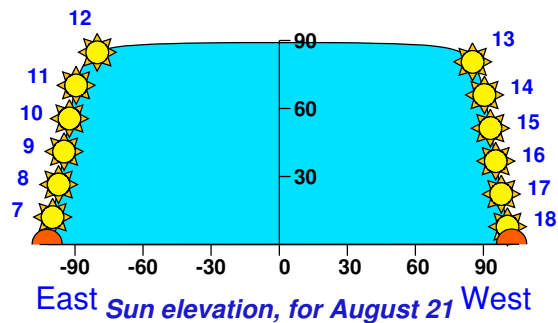
28

29

30

31

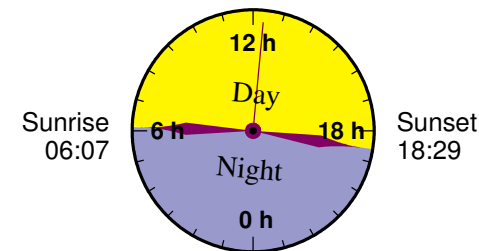
						1 182 - 183 05:56 - 18:49 80°
2 183 - 182 05:56 - 18:49 80° 	3 184 - 181 05:56 - 18:49 80° 	4 185 - 180 05:57 - 18:49 80° 	5 186 - 179 05:57 - 18:49 80° 	6 187 - 178 05:57 - 18:49 80° 	7 188 - 177 05:57 - 18:49 80° 	8 189 - 176 05:58 - 18:49 81°
9 190 - 175 05:58 - 18:49 81° 	10 191 - 174 05:58 - 18:49 81° 	11 192 - 173 05:59 - 18:49 81° 	12 193 - 172 05:59 - 18:49 81° 	13 194 - 171 05:59 - 18:49 81° 	14 195 - 170 05:59 - 18:49 81° 	15 196 - 169 06:00 - 18:49 82°
16 197 - 168 06:00 - 18:49 82° 	17 198 - 167 06:00 - 18:49 82° 	18 199 - 166 06:01 - 18:49 82° 	19 200 - 165 06:01 - 18:49 82° 	20 201 - 164 06:01 - 18:48 82° 	21 202 - 163 06:01 - 18:48 83° 	22 203 - 162 06:02 - 18:48 83°
23 204 - 161 06:02 - 18:48 83° 	24 205 - 160 06:02 - 18:48 83° 	25 206 - 159 06:02 - 18:47 83° 	26 207 - 158 06:03 - 18:47 84° 	27 208 - 157 06:03 - 18:47 84° 	28 209 - 156 06:03 - 18:47 84° 	29 210 - 155 06:03 - 18:46 84°
30 211 - 154 06:03 - 18:46 85° 	31 212 - 153 06:04 - 18:46 85° 					



August 2018

Bangkok

100.48°E, 13.08°N



Duration of the day, for August 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

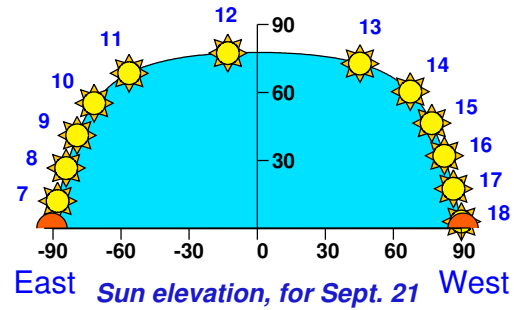
32

33

34

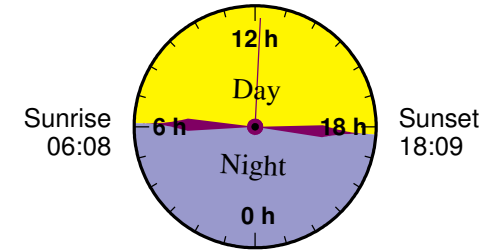
35

1 213 - 152 06:04 - 18:45 85°	2 214 - 151 06:04 - 18:45 85°	3 215 - 150 06:04 - 18:45 86°	4 216 - 149 06:04 - 18:44 86°	5 217 - 148 06:05 - 18:44 86°
8 220 - 145 06:05 - 18:43 87°	9 221 - 144 06:05 - 18:42 87°	10 222 - 143 06:05 - 18:42 88°	11 223 - 142 Day at anytime	12 224 - 141 06:06 - 18:41 88°
15 227 - 138 06:06 - 18:40 89°	16 228 - 137 06:06 - 18:39 89°	17 229 - 136 06:06 - 18:38 89°	18 230 - 135 06:06 - 18:38 89°	19 231 - 134 06:06 - 18:37 89°
22 234 - 131 06:07 - 18:36 89°	23 235 - 130 06:07 - 18:35 88°	24 236 - 129 06:07 - 18:34 88°	25 237 - 128 06:07 - 18:34 88°	26 238 - 127 06:07 - 18:33 87°
29 241 - 124 06:07 - 18:31 86°	30 242 - 123 06:07 - 18:31 86°	31 243 - 122 06:07 - 18:30 86°		



September 2018

Bangkok
100.48°E, 13.08°N



Duration of the day, for September 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

36

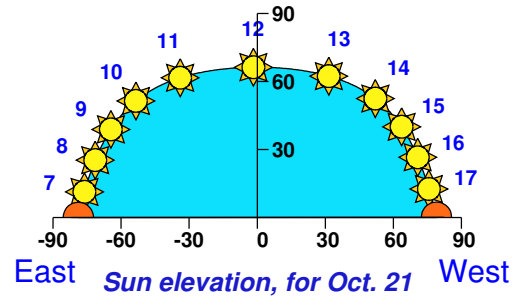
37

38

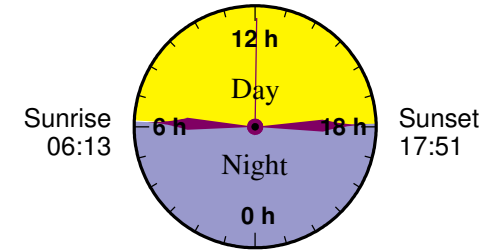
39

1 244 - 121 06:07 - 18:29 85° 	2 245 - 120 06:07 - 18:29 85°
3 246 - 119 06:07 - 18:28 84° 	4 247 - 118 06:07 - 18:27 84°
5 248 - 117 06:07 - 18:27 84° 	6 249 - 116 06:07 - 18:26 83°
7 250 - 115 06:07 - 18:25 83° 	8 251 - 114 06:07 - 18:25 83°
9 252 - 113 06:07 - 18:24 82° 	10 253 - 112 06:07 - 18:23 82°
11 254 - 111 06:07 - 18:22 81° 	12 255 - 110 06:07 - 18:22 81°
13 256 - 109 06:07 - 18:21 81° 	14 257 - 108 06:07 - 18:20 80°
15 258 - 107 06:07 - 18:20 80° 	16 259 - 106 06:07 - 18:19 80°
17 260 - 105 06:07 - 18:18 79° 	18 261 - 104 06:07 - 18:17 79°
19 262 - 103 06:07 - 18:17 78° 	20 263 - 102 06:07 - 18:16 78°
21 264 - 101 06:07 - 18:15 78° 	22 265 - 100 06:07 - 18:15 77°
23 266 - 99 06:07 - 18:14 77° 	24 267 - 98 06:07 - 18:13 76°
25 268 - 97 06:07 - 18:12 76° 	26 269 - 96 06:07 - 18:12 76°
27 270 - 95 06:07 - 18:11 75° 	28 271 - 94 06:07 - 18:10 75°
29 272 - 93 06:07 - 18:10 75° 	30 273 - 92 06:08 - 18:09 74°

October 2018



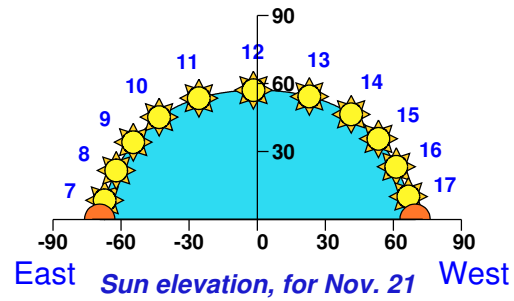
Bangkok
100.48°E, 13.08°N



Duration of the day, for October 21

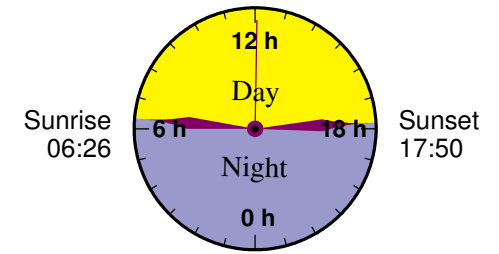
Sunrise and Sunset at Bangkok (TL $\pm$ 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
40	1 274 - 91 06:08 - 18:08 74° 	2 275 - 90 06:08 - 18:08 73° 	3 276 - 89 06:08 - 18:07 73° 	4 277 - 88 06:08 - 18:06 73° 	5 278 - 87 06:08 - 18:06 72° 	6 279 - 86 06:08 - 18:05 72° 	7 280 - 85 06:08 - 18:04 71°
41	8 281 - 84 06:08 - 18:04 71° 	9 282 - 83 06:08 - 18:03 71° 	10 283 - 82 06:08 - 18:02 70° 	11 284 - 81 06:08 - 18:02 70° 	12 285 - 80 06:08 - 18:01 70° 	13 286 - 79 06:08 - 18:01 69° 	14 287 - 78 06:09 - 18:00 69°
42	15 288 - 77 06:09 - 17:59 68° 	16 289 - 76 06:09 - 17:59 68° 	17 290 - 75 06:09 - 17:58 68° 	18 291 - 74 06:09 - 17:58 67° 	19 292 - 73 06:09 - 17:57 67° 	20 293 - 72 06:09 - 17:57 67° 	21 294 - 71 06:10 - 17:56 66°
43	22 295 - 70 06:10 - 17:56 66° 	23 296 - 69 06:10 - 17:55 66° 	24 297 - 68 06:10 - 17:55 65° 	25 298 - 67 06:10 - 17:54 65° 	26 299 - 66 06:11 - 17:54 65° 	27 300 - 65 06:11 - 17:53 64° 	28 301 - 64 06:11 - 17:53 64°
44	29 302 - 63 06:11 - 17:53 63° 	30 303 - 62 06:12 - 17:52 63° 	31 304 - 61 06:12 - 17:52 63° 				



November 2018

Bangkok
100.48°E, 13.08°N



Duration of the day, for November 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

1 305 - 60 06:12 - 17:52 63° 	2 306 - 59 06:13 - 17:51 62° 	3 307 - 58 06:13 - 17:51 62° 	4 308 - 57 06:13 - 17:51 62°
--	--	--	--

45

5 309 - 56 06:13 - 17:50 61° 	6 310 - 55 06:14 - 17:50 61° 	7 311 - 54 06:14 - 17:50 61° 	8 312 - 53 06:15 - 17:50 60° 	9 313 - 52 06:15 - 17:49 60° 	10 314 - 51 06:15 - 17:49 60° 	11 315 - 50 06:16 - 17:49 60°
--	--	--	--	--	---	---

46

12 316 - 49 06:16 - 17:49 59° 	13 317 - 48 06:16 - 17:49 59° 	14 318 - 47 06:17 - 17:49 59° 	15 319 - 46 06:17 - 17:49 58° 	16 320 - 45 06:18 - 17:49 58° 	17 321 - 44 06:18 - 17:48 58° 	18 322 - 43 06:19 - 17:48 58°
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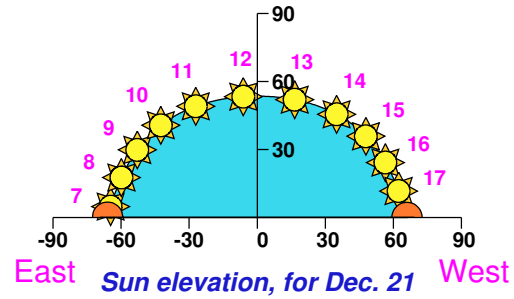
47

19 323 - 42 06:19 - 17:48 57° 	20 324 - 41 06:20 - 17:48 57° 	21 325 - 40 06:20 - 17:48 57° 	22 326 - 39 06:21 - 17:48 57° 	23 327 - 38 06:21 - 17:48 57° 	24 328 - 37 06:22 - 17:49 56° 	25 329 - 36 06:22 - 17:49 56°
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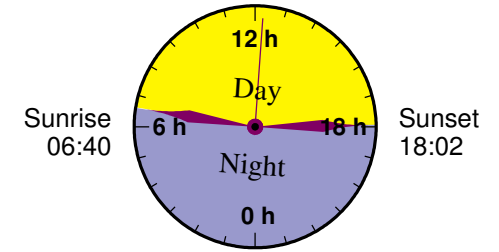
48

26 330 - 35 06:23 - 17:49 56° 	27 331 - 34 06:23 - 17:49 56° 	28 332 - 33 06:24 - 17:49 56° 	29 333 - 32 06:24 - 17:49 55° 	30 334 - 31 06:25 - 17:49 55°
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December 2018



Bangkok
100.48°E, 13.08°N



Duration of the day, for December 21

Sunrise and Sunset at Bangkok (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 06:25 - 17:50 55° 	2 336 - 29 06:26 - 17:50 55°
3 337 - 28 06:26 - 17:50 55° 	4 338 - 27 06:27 - 17:50 55°
5 339 - 26 06:27 - 17:51 55° 	6 340 - 25 06:28 - 17:51 54°
7 341 - 24 06:28 - 17:51 54° 	8 342 - 23 06:29 - 17:51 54°
9 343 - 22 06:30 - 17:52 54° 	10 344 - 21 06:30 - 17:52 54°
11 345 - 20 06:31 - 17:53 54° 	12 346 - 19 06:31 - 17:53 54°
13 347 - 18 06:32 - 17:53 54° 	14 348 - 17 06:32 - 17:54 54°
15 349 - 16 06:33 - 17:54 54° 	16 350 - 15 06:33 - 17:55 54°
17 351 - 14 06:34 - 17:55 54° 	18 352 - 13 06:34 - 17:55 54°
19 353 - 12 06:35 - 17:56 54° 	20 354 - 11 06:35 - 17:56 54°
21 355 - 10 06:36 - 17:57 53° 	22 356 - 9 06:36 - 17:57 53°
23 357 - 8 06:37 - 17:58 54° 	24 358 - 7 06:37 - 17:58 54°
25 359 - 6 06:38 - 17:59 54° 	26 360 - 5 06:38 - 17:59 54°
27 361 - 4 06:39 - 18:00 54° 	28 362 - 3 06:39 - 18:01 54°
29 363 - 2 06:40 - 18:01 54° 	30 364 - 1 06:40 - 18:02 54°

31 365 - 0 06:40 - 18:02 54°
