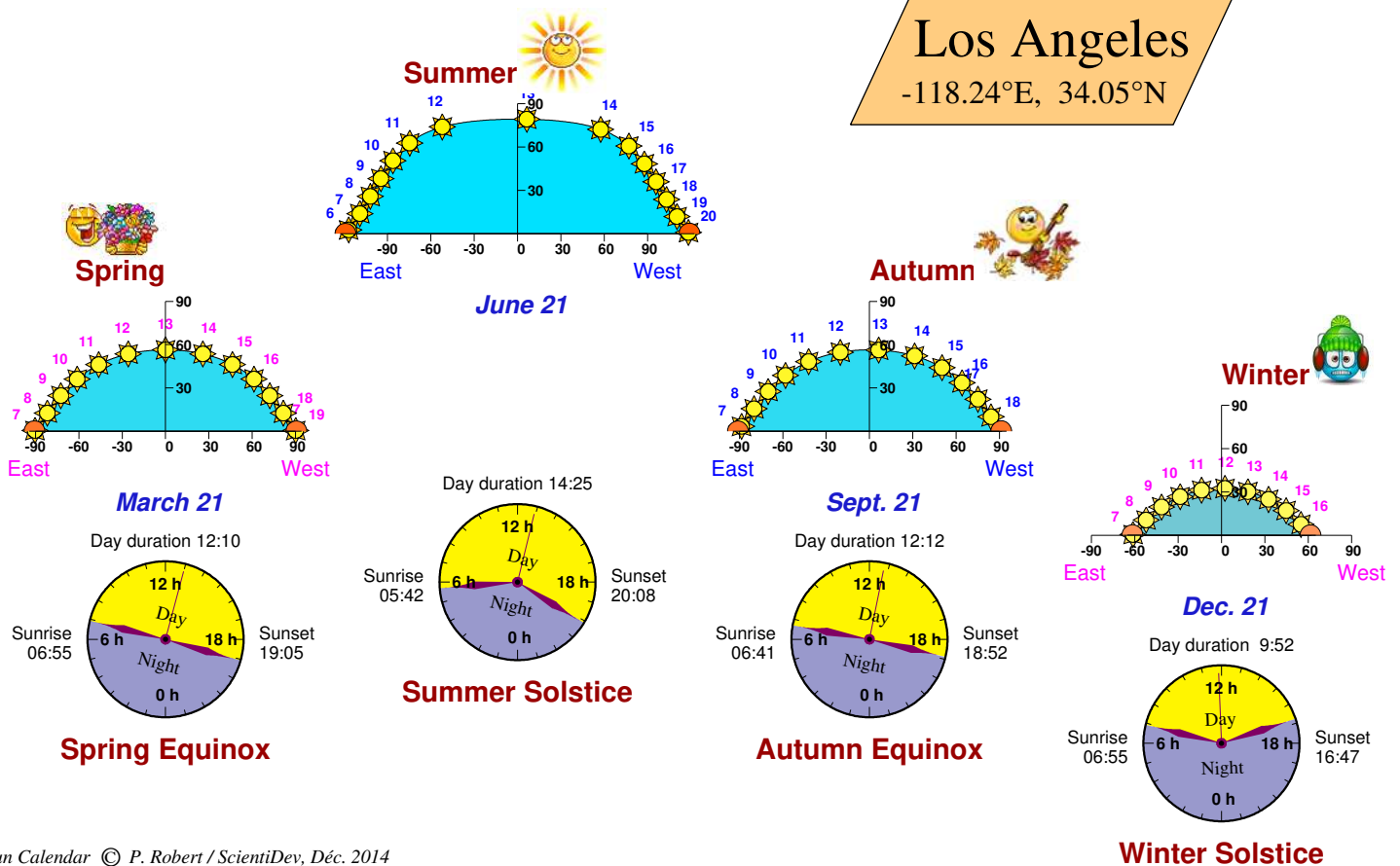


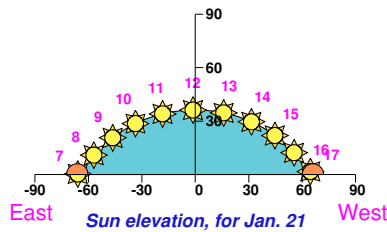
Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

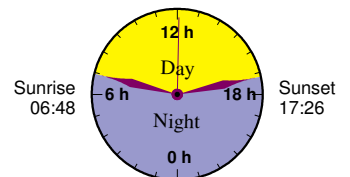
Los Angeles
-118.24°E, 34.05°N



January 2018



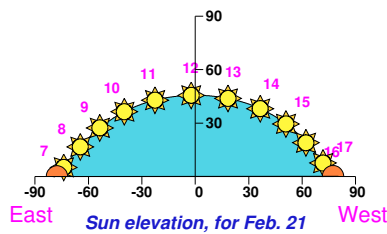
Los Angeles
-118.24°E, 34.05°N



Duration of the day, for January 21

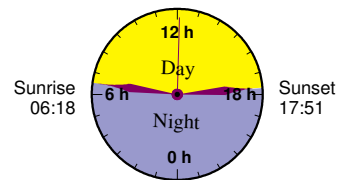
Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 06:59 - 16:54 33°	2 2 - 363 06:59 - 16:55 33°	3 3 - 362 06:59 - 16:56 33°	4 4 - 361 06:59 - 16:57 33°	5 5 - 360 06:59 - 16:57 33°	6 6 - 359 06:59 - 16:58 34°	7 7 - 358 06:59 - 16:59 34°
2	8 8 - 357 06:59 - 17:00 34°	9 9 - 356 06:59 - 17:01 34°	10 10 - 355 06:59 - 17:02 34°	11 11 - 354 06:59 - 17:03 34°	12 12 - 353 06:59 - 17:03 34°	13 13 - 352 06:59 - 17:04 35°	14 14 - 351 06:59 - 17:05 35°
3	15 15 - 350 06:58 - 17:06 35°	16 16 - 349 06:58 - 17:07 35°	17 17 - 348 06:58 - 17:08 35°	18 18 - 347 06:58 - 17:09 36°	19 19 - 346 06:57 - 17:10 36°	20 20 - 345 06:57 - 17:11 36°	21 21 - 344 06:56 - 17:12 36°
4	22 22 - 343 06:56 - 17:13 36°	23 23 - 342 06:56 - 17:14 37°	24 24 - 341 06:55 - 17:15 37°	25 25 - 340 06:55 - 17:16 37°	26 26 - 339 06:54 - 17:17 37°	27 27 - 338 06:53 - 17:18 38°	28 28 - 337 06:53 - 17:19 38°
5	29 29 - 336 06:52 - 17:20 38°	30 30 - 335 06:52 - 17:21 38°	31 31 - 334 06:51 - 17:22 39°				



February 2018

Los Angeles
-118.24°E, 34.05°N



Duration of the day, for February 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

6

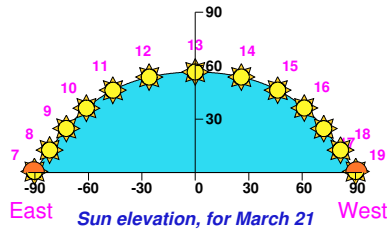
7

8

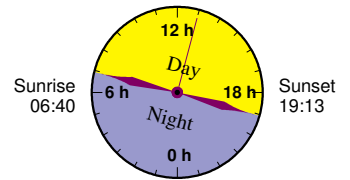
9

			1 32 - 333 06:50 - 17:23 39° 	2 33 - 332 06:49 - 17:24 39° 	3 34 - 331 06:49 - 17:25 40° 	4 35 - 330 06:48 - 17:26 40°
5 36 - 329 06:47 - 17:27 40° 	6 37 - 328 06:46 - 17:28 41° 	7 38 - 327 06:45 - 17:29 41° 	8 39 - 326 06:44 - 17:30 41° 	9 40 - 325 06:44 - 17:31 41° 	10 41 - 324 06:43 - 17:32 42° 	11 42 - 323 06:42 - 17:32 42°
12 43 - 322 06:41 - 17:33 42° 	13 44 - 321 06:40 - 17:34 43° 	14 45 - 320 06:39 - 17:35 43° 	15 46 - 319 06:38 - 17:36 43° 	16 47 - 318 06:37 - 17:37 44° 	17 48 - 317 06:36 - 17:38 44° 	18 49 - 316 06:35 - 17:39 45°
19 50 - 315 06:33 - 17:40 45° 	20 51 - 314 06:32 - 17:41 45° 	21 52 - 313 06:31 - 17:42 46° 	22 53 - 312 06:30 - 17:43 46° 	23 54 - 311 06:29 - 17:44 46° 	24 55 - 310 06:28 - 17:44 47° 	25 56 - 309 06:27 - 17:45 47°
26 57 - 308 06:25 - 17:46 47° 	27 58 - 307 06:24 - 17:47 48° 	28 59 - 306 06:23 - 17:48 48° 				

March 2018



Los Angeles
-118.24°E, 34.05°N



Duration of the day, for March 21

Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation (°)

Time change March 11

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 60 - 305
06:22 - 17:49 49°

2 61 - 304
06:20 - 17:50 49°

3 62 - 303
06:19 - 17:50 49°

4 63 - 302
06:18 - 17:51 50°

5 64 - 301
06:17 - 17:52 50°

6 65 - 300
06:15 - 17:53 51°

7 66 - 299
06:14 - 17:54 51°

8 67 - 298
06:13 - 17:55 51°

9 68 - 297
06:11 - 17:55 52°

10 69 - 296
06:10 - 17:56 52°

11 70 - 295
07:09 - 18:57 52°

12 71 - 294
07:07 - 18:58 53°

13 72 - 293
07:06 - 18:59 53°

14 73 - 292
07:05 - 18:59 54°

15 74 - 291
07:03 - 19:00 54°

16 75 - 290
07:02 - 19:01 54°

17 76 - 289
07:01 - 19:02 55°

18 77 - 288
06:59 - 19:03 55°

19 78 - 287
06:58 - 19:03 56°

20 79 - 286
06:57 - 19:04 56°

21 80 - 285
06:55 - 19:05 56°

22 81 - 284
06:54 - 19:06 57°

23 82 - 283
06:53 - 19:06 57°

24 83 - 282
06:51 - 19:07 58°

25 84 - 281
06:50 - 19:08 58°

26 85 - 280
06:48 - 19:09 58°

27 86 - 279
06:47 - 19:09 59°

28 87 - 278
06:46 - 19:10 59°

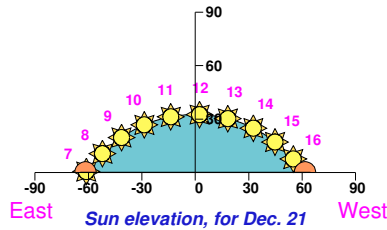
29 88 - 277
06:44 - 19:11 60°

30 89 - 276
06:43 - 19:12 60°

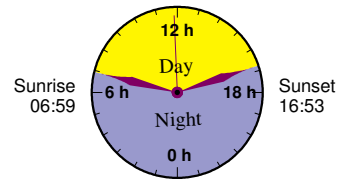
31 90 - 275
06:42 - 19:13 60°

Sun Calendar © P. Robert / ScientiDev, Déc. 2014

December 2018



Los Angeles
-118.24°E, 34.05°N



Duration of the day, for December 21

Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 335 - 30
06:41 - 16:44 34°

2 336 - 29
06:41 - 16:44 34°

3 337 - 28
06:42 - 16:44 34°

4 338 - 27
06:43 - 16:44 34°

5 339 - 26
06:44 - 16:44 34°

6 340 - 25
06:45 - 16:44 33°

7 341 - 24
06:46 - 16:44 33°

8 342 - 23
06:46 - 16:44 33°

9 343 - 22
06:47 - 16:44 33°

10 344 - 21
06:48 - 16:44 33°

11 345 - 20
06:49 - 16:44 33°

12 346 - 19
06:49 - 16:44 33°

13 347 - 18
06:50 - 16:45 33°

14 348 - 17
06:51 - 16:45 33°

15 349 - 16
06:51 - 16:45 33°

16 350 - 15
06:52 - 16:45 33°

17 351 - 14
06:53 - 16:46 33°

18 352 - 13
06:53 - 16:46 33°

19 353 - 12
06:54 - 16:46 33°

20 354 - 11
06:54 - 16:47 33°

21 355 - 10
06:55 - 16:47 33°

22 356 - 9
06:55 - 16:48 33°

23 357 - 8
06:56 - 16:48 33°

24 358 - 7
06:56 - 16:49 33°

25 359 - 6
06:57 - 16:49 33°

26 360 - 5
06:57 - 16:50 33°

27 361 - 4
06:57 - 16:51 33°

28 362 - 3
06:58 - 16:51 33°

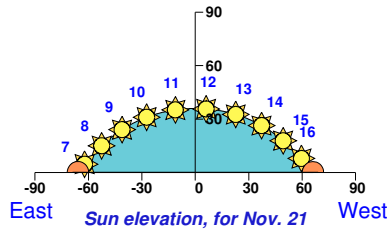
29 363 - 2
06:58 - 16:52 33°

30 364 - 1
06:58 - 16:53 33°

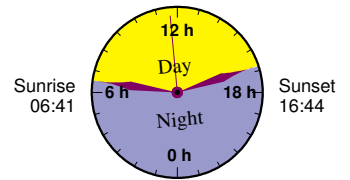
31 365 - 0
06:59 - 16:53 33°

Sun Calendar © P. Robert / ScientiDev, Déc. 2014

November 2018



Los Angeles
-118.24°E, 34.05°N



Duration of the day, for November 21

Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation (°)

Time change November 4

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 305 - 60
07:13 - 18:01 41°

2 306 - 59
07:14 - 18:00 41°

3 307 - 58
07:15 - 17:59 41°

4 308 - 57
06:16 - 16:58 40°

5 309 - 56
06:16 - 16:57 40°

6 310 - 55
06:17 - 16:57 40°

7 311 - 54
06:18 - 16:56 40°

8 312 - 53
06:19 - 16:55 39°

9 313 - 52
06:20 - 16:54 39°

10 314 - 51
06:21 - 16:53 39°

11 315 - 50
06:22 - 16:53 38°

12 316 - 49
06:23 - 16:52 38°

13 317 - 48
06:24 - 16:51 38°

14 318 - 47
06:25 - 16:51 38°

15 319 - 46
06:26 - 16:50 37°

16 320 - 45
06:27 - 16:49 37°

17 321 - 44
06:28 - 16:49 37°

18 322 - 43
06:29 - 16:48 37°

19 323 - 42
06:30 - 16:48 36°

20 324 - 41
06:31 - 16:47 36°

21 325 - 40
06:32 - 16:47 36°

22 326 - 39
06:32 - 16:46 36°

23 327 - 38
06:33 - 16:46 36°

24 328 - 37
06:34 - 16:46 35°

25 329 - 36
06:35 - 16:45 35°

26 330 - 35
06:36 - 16:45 35°

27 331 - 34
06:37 - 16:45 35°

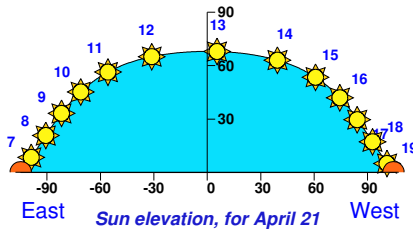
28 332 - 33
06:38 - 16:44 35°

29 333 - 32
06:39 - 16:44 34°

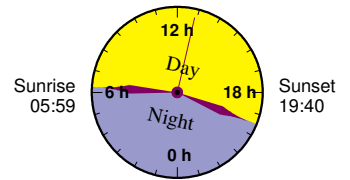
30 334 - 31
06:40 - 16:44 34°

Sun Calendar © P. Robert / ScientiDev, Déc. 2014

April 2018



Los Angeles
-118.24°E, 34.05°N



Duration of the day, for April 21

Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation (°)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 91 - 274
06:40 - 19:13 61°

2 92 - 273
06:39 - 19:14 61°

3 93 - 272
06:38 - 19:15 61°

4 94 - 271
06:36 - 19:16 62°

5 95 - 270
06:35 - 19:16 62°

6 96 - 269
06:34 - 19:17 63°

7 97 - 268
06:32 - 19:18 63°

8 98 - 267
06:31 - 19:19 63°

9 99 - 266
06:30 - 19:19 64°

10 100 - 265
06:28 - 19:20 64°

11 101 - 264
06:27 - 19:21 64°

12 102 - 263
06:26 - 19:22 65°

13 103 - 262
06:25 - 19:22 65°

14 104 - 261
06:23 - 19:23 66°

15 105 - 260
06:22 - 19:24 66°

16 106 - 259
06:21 - 19:25 66°

17 107 - 258
06:20 - 19:25 67°

18 108 - 257
06:18 - 19:26 67°

19 109 - 256
06:17 - 19:27 67°

20 110 - 255
06:16 - 19:28 68°

21 111 - 254
06:15 - 19:29 68°

22 112 - 253
06:14 - 19:29 68°

23 113 - 252
06:12 - 19:30 69°

24 114 - 251
06:11 - 19:31 69°

25 115 - 250
06:10 - 19:32 69°

26 116 - 249
06:09 - 19:32 70°

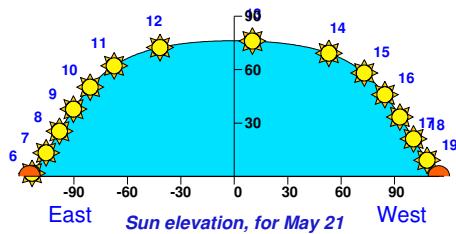
27 117 - 248
06:08 - 19:33 70°

28 118 - 247
06:07 - 19:34 70°

29 119 - 246
06:06 - 19:35 71°

30 120 - 245
06:05 - 19:36 71°

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May 2018

Los Angeles
-118.24°E, 34.05°N



Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation ($^{\circ}$)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

19

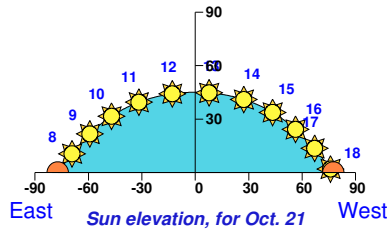
20

21

22

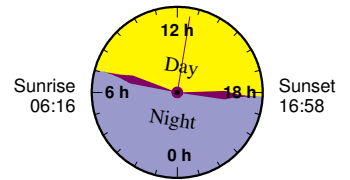
	1 121 - 244 06:04 - 19:36 71°	2 122 - 243 06:03 - 19:37 71°	3 123 - 242 06:02 - 19:38 72°	4 124 - 241 06:01 - 19:39 72°	5 125 - 240 06:00 - 19:39 72°	6 126 - 239 05:59 - 19:40 73°
7 127 - 238 05:58 - 19:41 73°	8 128 - 237 05:57 - 19:42 73°	9 129 - 236 05:56 - 19:43 73°	10 130 - 235 05:55 - 19:43 74°	11 131 - 234 05:55 - 19:44 74°	12 132 - 233 05:54 - 19:45 74°	13 133 - 232 05:53 - 19:46 74°
14 134 - 231 05:52 - 19:46 75°	15 135 - 230 05:51 - 19:47 75°	16 136 - 229 05:51 - 19:48 75°	17 137 - 228 05:50 - 19:49 75°	18 138 - 227 05:49 - 19:49 76°	19 139 - 226 05:49 - 19:50 76°	20 140 - 225 05:48 - 19:51 76°
21 141 - 224 05:48 - 19:52 76°	22 142 - 223 05:47 - 19:52 76°	23 143 - 222 05:46 - 19:53 77°	24 144 - 221 05:46 - 19:54 77°	25 145 - 220 05:45 - 19:54 77°	26 146 - 219 05:45 - 19:55 77°	27 147 - 218 05:45 - 19:56 77°
28 148 - 217 05:44 - 19:56 78°	29 149 - 216 05:44 - 19:57 78°	30 150 - 215 05:43 - 19:58 78°	31 151 - 214 05:43 - 19:58 78°			

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October 2018

Los Angeles
-118.24°E, 34.05°N



Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation ($^{\circ}$)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

41

42

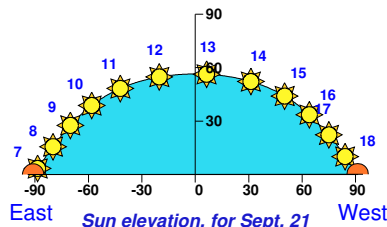
43

44

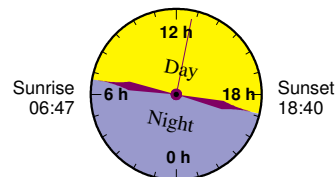
1 274 - 91 06:48 - 18:39 53°	2 275 - 90 06:48 - 18:37 52°	3 276 - 89 06:49 - 18:36 52°	4 277 - 88 06:50 - 18:34 51°	5 278 - 87 06:51 - 18:33 51°	6 279 - 86 06:51 - 18:32 51°	7 280 - 85 06:52 - 18:30 50°
8 281 - 84 06:53 - 18:29 50°	9 282 - 83 06:54 - 18:28 49°	10 283 - 82 06:54 - 18:26 49°	11 284 - 81 06:55 - 18:25 49°	12 285 - 80 06:56 - 18:24 48°	13 286 - 79 06:57 - 18:23 48°	14 287 - 78 06:58 - 18:21 48°
15 288 - 77 06:58 - 18:20 47°	16 289 - 76 06:59 - 18:19 47°	17 290 - 75 07:00 - 18:18 47°	18 291 - 74 07:01 - 18:16 46°	19 292 - 73 07:02 - 18:15 46°	20 293 - 72 07:02 - 18:14 45°	21 294 - 71 07:03 - 18:13 45°
22 295 - 70 07:04 - 18:12 45°	23 296 - 69 07:05 - 18:11 44°	24 297 - 68 07:06 - 18:09 44°	25 298 - 67 07:07 - 18:08 44°	26 299 - 66 07:08 - 18:07 43°	27 300 - 65 07:08 - 18:06 43°	28 301 - 64 07:09 - 18:05 43°
29 302 - 63 07:10 - 18:04 42°	30 303 - 62 07:11 - 18:03 42°	31 304 - 61 07:12 - 18:02 42°				

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September 2018



Los Angeles
-118.24°E, 34.05°N



Duration of the day, for September 21

Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation ($^\circ$)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

36

37

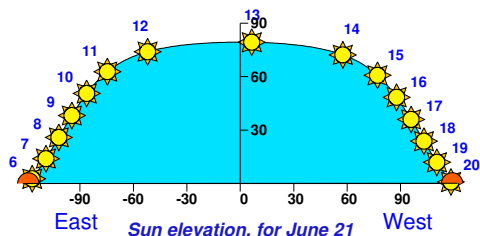
38

39

1 244 - 121 06:27 - 19:20 64°	2 245 - 120 06:27 - 19:19 64°
3 246 - 119 06:28 - 19:17 63°	4 247 - 118 06:29 - 19:16 63°
5 248 - 117 06:30 - 19:15 63°	6 249 - 116 06:30 - 19:13 62°
7 250 - 115 06:31 - 19:12 62°	8 251 - 114 06:32 - 19:11 61°
9 252 - 113 06:32 - 19:09 61°	10 253 - 112 06:33 - 19:08 61°
11 254 - 111 06:34 - 19:06 60°	12 255 - 110 06:34 - 19:05 60°
13 256 - 109 06:35 - 19:04 60°	14 257 - 108 06:36 - 19:02 59°
15 258 - 107 06:36 - 19:01 59°	16 259 - 106 06:37 - 19:00 58°
17 260 - 105 06:38 - 18:58 58°	18 261 - 104 06:38 - 18:57 58°
19 262 - 103 06:39 - 18:55 57°	20 263 - 102 06:40 - 18:54 57°
21 264 - 101 06:41 - 18:52 56°	22 265 - 100 06:41 - 18:51 56°
23 266 - 99 06:42 - 18:50 56°	24 267 - 98 06:43 - 18:48 55°
25 268 - 97 06:43 - 18:47 55°	26 269 - 96 06:44 - 18:45 55°
27 270 - 95 06:45 - 18:44 54°	28 271 - 94 06:46 - 18:43 54°
29 272 - 93 06:46 - 18:41 53°	30 273 - 92 06:47 - 18:40 53°

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June 2018



Los Angeles
-118.24°E, 34.05°N



Duration of the day, for June 21

Sunrise and Sunset at Los Angeles (TL ± 1 mn) and sun maximal elevation ($^\circ$)

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

23

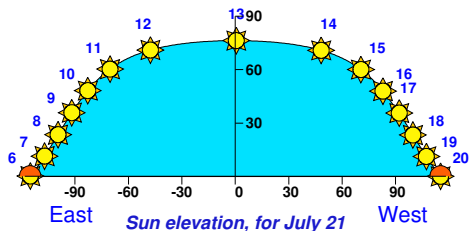
24

25

26

1 152 - 213 05:43 - 19:59 78°	2 153 - 212 05:42 - 20:00 78°	3 154 - 211 05:42 - 20:00 78°
4 155 - 210 05:42 - 20:01 78°	5 156 - 209 05:42 - 20:01 79°	6 157 - 208 05:42 - 20:02 79°
7 158 - 207 05:42 - 20:02 79°	8 159 - 206 05:41 - 20:03 79°	9 160 - 205 05:41 - 20:03 79°
10 161 - 204 05:41 - 20:04 79°	11 162 - 203 05:41 - 20:04 79°	12 163 - 202 05:41 - 20:05 79°
13 164 - 201 05:41 - 20:05 79°	14 165 - 200 05:41 - 20:05 79°	15 166 - 199 05:41 - 20:06 79°
16 167 - 198 05:41 - 20:06 79°	17 168 - 197 05:41 - 20:06 79°	18 169 - 196 05:42 - 20:07 79°
19 170 - 195 05:42 - 20:07 79°	20 171 - 194 05:42 - 20:07 79°	21 172 - 193 05:42 - 20:08 79°
22 173 - 192 05:42 - 20:08 79°	23 174 - 191 05:43 - 20:08 79°	24 175 - 190 05:43 - 20:08 79°
25 176 - 189 05:43 - 20:08 79°	26 177 - 188 05:44 - 20:08 79°	27 178 - 187 05:44 - 20:08 79°
28 179 - 186 05:44 - 20:09 79°	29 180 - 185 05:45 - 20:09 79°	30 181 - 184 05:45 - 20:09 79°

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July 2018

Los Angeles
-118.24°E, 34.05°N



Duration of the day, for July 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

28

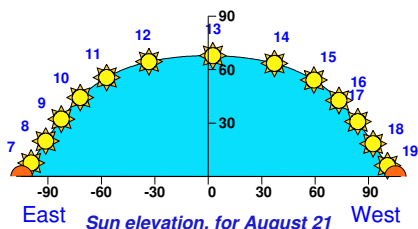
29

30

31

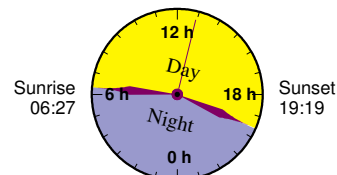
						1 182 - 183 05:45 - 20:09 79°
2 183 - 182 05:46 - 20:09 79° 	3 184 - 181 05:46 - 20:08 79° 	4 185 - 180 05:47 - 20:08 79° 	5 186 - 179 05:47 - 20:08 79° 	6 187 - 178 05:48 - 20:08 79° 	7 188 - 177 05:48 - 20:08 78° 	8 189 - 176 05:49 - 20:08 78°
9 190 - 175 05:49 - 20:07 78° 	10 191 - 174 05:50 - 20:07 78° 	11 192 - 173 05:51 - 20:07 78° 	12 193 - 172 05:51 - 20:07 78° 	13 194 - 171 05:52 - 20:06 78° 	14 195 - 170 05:52 - 20:06 78° 	15 196 - 169 05:53 - 20:05 77°
16 197 - 168 05:54 - 20:05 77° 	17 198 - 167 05:54 - 20:05 77° 	18 199 - 166 05:55 - 20:04 77° 	19 200 - 165 05:56 - 20:04 77° 	20 201 - 164 05:56 - 20:03 77° 	21 202 - 163 05:57 - 20:03 76° 	22 203 - 162 05:58 - 20:02 76°
23 204 - 161 05:58 - 20:01 76° 	24 205 - 160 05:59 - 20:01 76° 	25 206 - 159 06:00 - 20:00 75° 	26 207 - 158 06:00 - 19:59 75° 	27 208 - 157 06:01 - 19:59 75° 	28 209 - 156 06:02 - 19:58 75° 	29 210 - 155 06:02 - 19:57 75°
30 211 - 154 06:03 - 19:56 74° 	31 212 - 153 06:04 - 19:56 74° 					

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August 2018

Los Angeles
-118.24°E, 34.05°N



Duration of the day, for August 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

34

35

		1 213 - 152 06:05 - 19:55 74° 	2 214 - 151 06:05 - 19:54 74° 	3 215 - 150 06:06 - 19:53 73° 	4 216 - 149 06:07 - 19:52 73° 	5 217 - 148 06:07 - 19:51 73°
6 218 - 147 06:08 - 19:50 72° 	7 219 - 146 06:09 - 19:49 72° 	8 220 - 145 06:10 - 19:48 72° 	9 221 - 144 06:10 - 19:47 72° 	10 222 - 143 06:11 - 19:46 71° 	11 223 - 142 06:12 - 19:45 71° 	12 224 - 141 06:13 - 19:44 71°
13 225 - 140 06:13 - 19:43 70° 	14 226 - 139 06:14 - 19:42 70° 	15 227 - 138 06:15 - 19:41 70° 	16 228 - 137 06:15 - 19:40 70° 	17 229 - 136 06:16 - 19:39 69° 	18 230 - 135 06:17 - 19:38 69° 	19 231 - 134 06:18 - 19:36 69°
20 232 - 133 06:18 - 19:35 68° 	21 233 - 132 06:19 - 19:34 68° 	22 234 - 131 06:20 - 19:33 68° 	23 235 - 130 06:20 - 19:32 67° 	24 236 - 129 06:21 - 19:30 67° 	25 237 - 128 06:22 - 19:29 67° 	26 238 - 127 06:23 - 19:28 66°
27 239 - 126 06:23 - 19:27 66° 	28 240 - 125 06:24 - 19:25 65° 	29 241 - 124 06:25 - 19:24 65° 	30 242 - 123 06:25 - 19:23 65° 	31 243 - 122 06:26 - 19:21 64° 		

Sun Calendar © P. Robert / ScientiDev, Déc. 2014