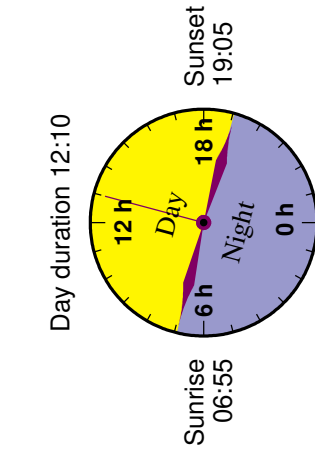
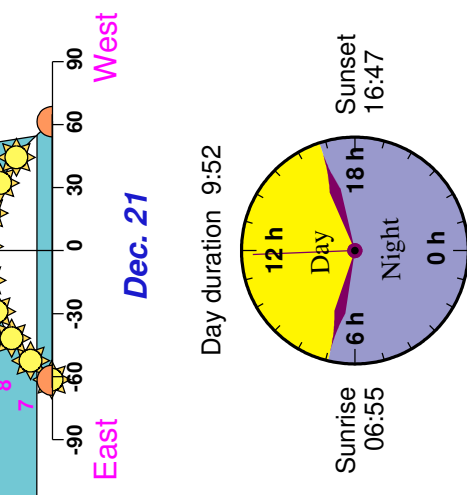
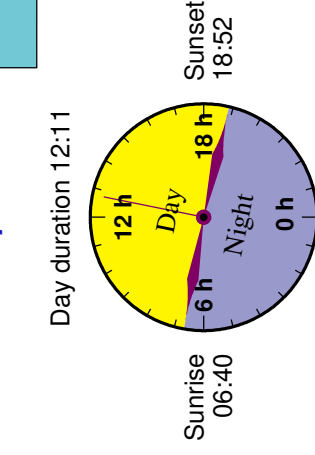
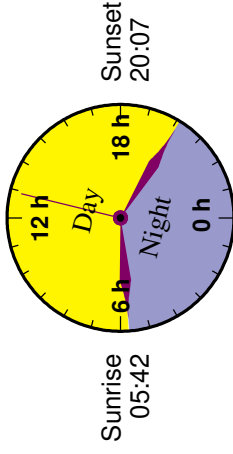
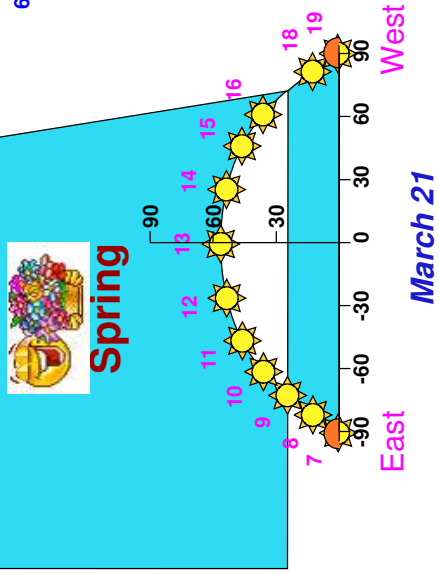
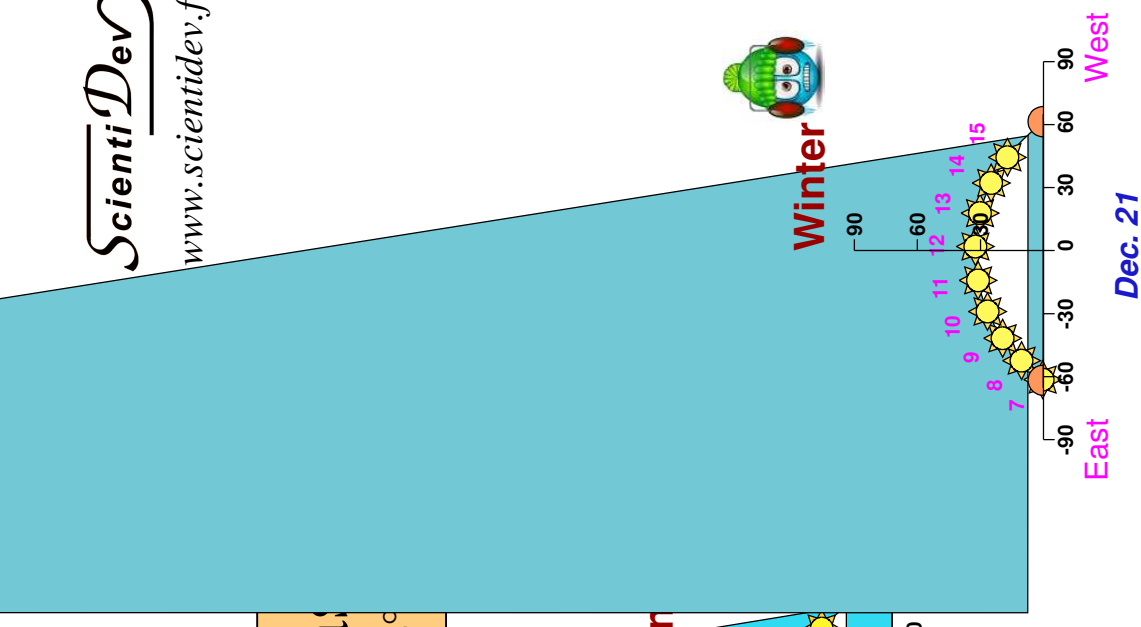
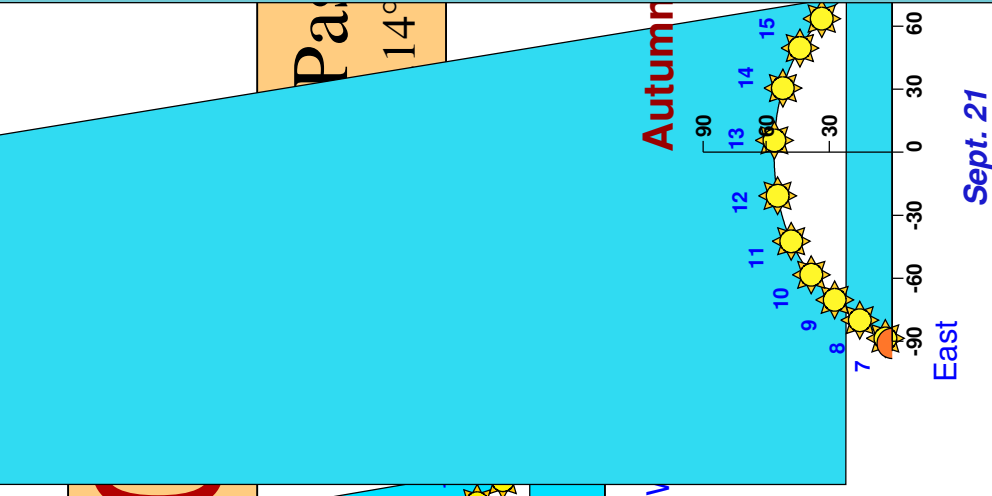
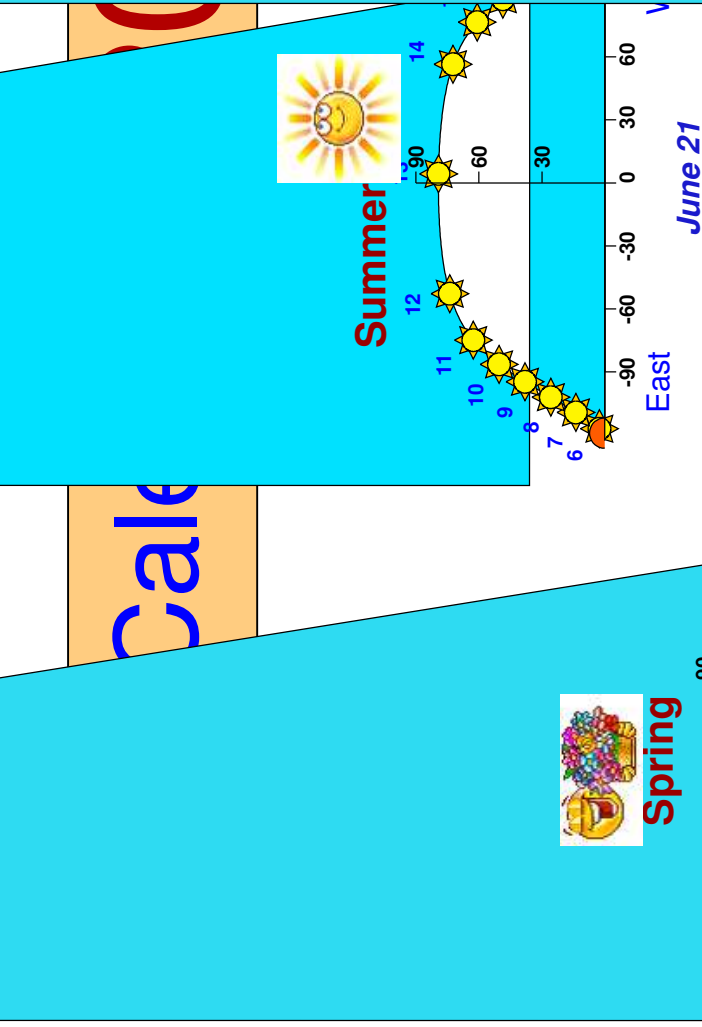


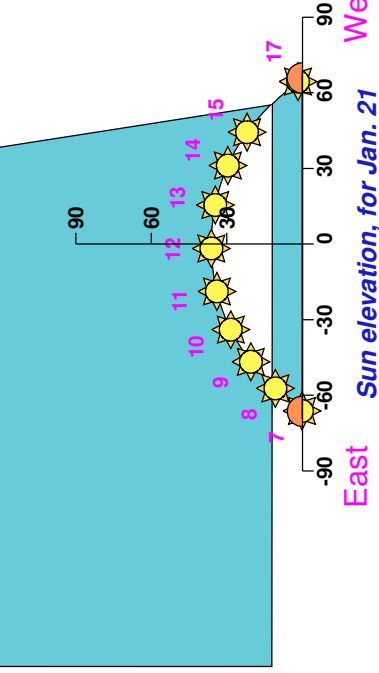


Spring Equinox

Autumn Equinox

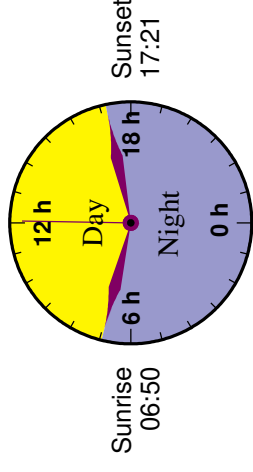
Summer Solstice

January 2021



Pasadena

-118.14°E, 34.14°N



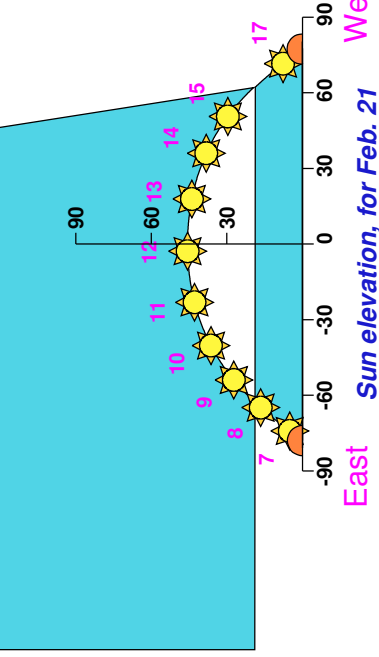
Sun elevation, for Jan. 21

Duration of the day, for January 21

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

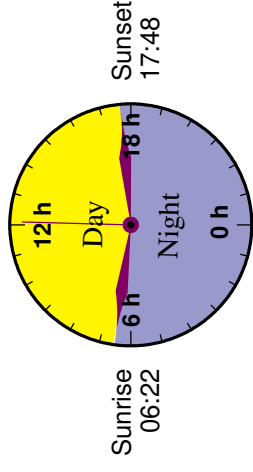
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	4 06:59 - 16:56 33°	5 06:59 - 16:57 33°	6 06:59 - 16:58 33°	7 06:59 - 16:59 34°	8 06:59 - 16:59 34°	9 06:59 - 17:00 34°	10 06:59 - 17:01 34°
2	11 06:59 - 17:02 34°	12 06:59 - 17:03 34°	13 06:59 - 17:04 35°	14 06:58 - 17:05 35°	15 06:58 - 17:06 35°	16 06:58 - 17:07 35°	17 06:58 - 17:08 35°
3	18 06:57 - 17:09 36°	19 06:57 - 17:10 36°	20 06:57 - 17:11 36°	21 06:56 - 17:12 36°	22 06:56 - 17:13 36°	23 06:55 - 17:14 37°	24 06:55 - 17:15 37°
4	25 06:54 - 17:16 37°	26 06:54 - 17:17 37°	27 06:53 - 17:18 38°	28 06:52 - 17:18 38°	29 06:52 - 17:19 38°	30 06:51 - 17:20 38°	31 06:50 - 17:21 39°

February 2021



Pasadena

-118.14°E, 34.14°N



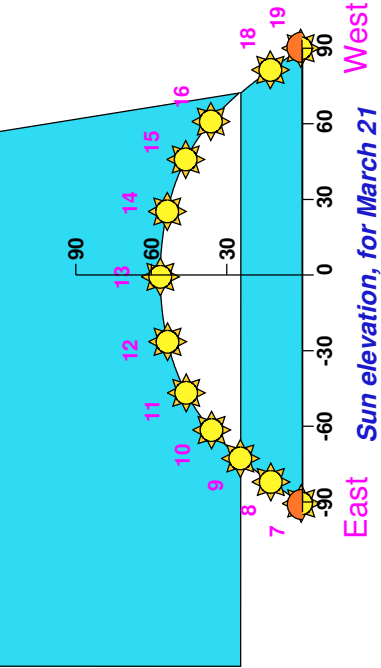
East Sun elevation, for Feb. 21 West

Duration of the day, for February 21

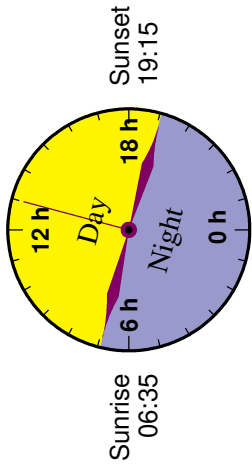
Sunrise and Sunset at Pasadena (TL $\pm$ 1 mn) and sun maximal elevation (°)

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

March 2021



Pasadena
-118.14°E, 34.14°N



East Sun elevation, for March 21 West

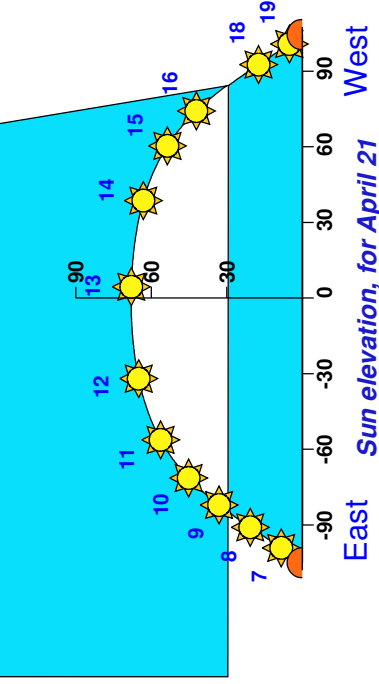
Duration of the day, for March 21

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

Time change March 14

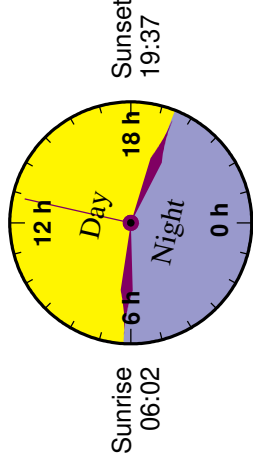
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
9	1 60 - 305 06:21 - 17:49 49°	2 61 - 304 06:20 - 17:49 49°	3 62 - 303 06:18 - 17:50 49°	4 63 - 302 06:17 - 17:51 50°	5 64 - 301 06:16 - 17:52 50°	6 65 - 300 06:15 - 17:53 51°	7 66 - 299 06:13 - 17:54 51°
10	8 67 - 298 06:12 - 17:54 51°	9 68 - 297 06:11 - 17:55 52°	10 69 - 296 06:09 - 17:56 52°	11 70 - 295 06:08 - 17:57 52°	12 71 - 294 06:07 - 17:58 53°	13 72 - 293 06:05 - 17:58 53°	14 73 - 292 07:04 - 18:59 54°
11	15 74 - 291 07:03 - 19:00 54°	16 75 - 290 07:01 - 19:01 54°	17 76 - 289 07:00 - 19:02 55°	18 77 - 288 06:59 - 19:02 55°	19 78 - 287 06:57 - 19:03 56°	20 79 - 286 06:56 - 19:04 56°	21 80 - 285 06:55 - 19:05 56°
12	22 81 - 284 06:53 - 19:05 57°	23 82 - 283 06:52 - 19:06 57°	24 83 - 282 06:50 - 19:07 58°	25 84 - 281 06:49 - 19:08 58°	26 85 - 280 06:48 - 19:09 58°	27 86 - 279 06:46 - 19:09 59°	28 87 - 278 06:45 - 19:10 59°
13	29 88 - 277 06:44 - 19:11 60°	30 89 - 276 06:42 - 19:12 60°	31 90 - 275 06:41 - 19:12 60°				

Diagram illustrating the sun's path across the sky for April 21. The horizontal axis represents sun elevation from -90 to 90 degrees. The vertical axis represents sun elevation from 30 to 90 degrees. The sun's path is a curve starting at 7 degrees elevation at -90 degrees, rising to a peak of 13 degrees at 0 degrees, and then descending to 19 degrees at 90 degrees. The sun is depicted as a yellow star with rays, and its position is marked with numbers 7 through 19. The background is light blue.



Pasadena
-118.14°E, 34.14°N

Pasadena
-118.14°E, 34.14°N

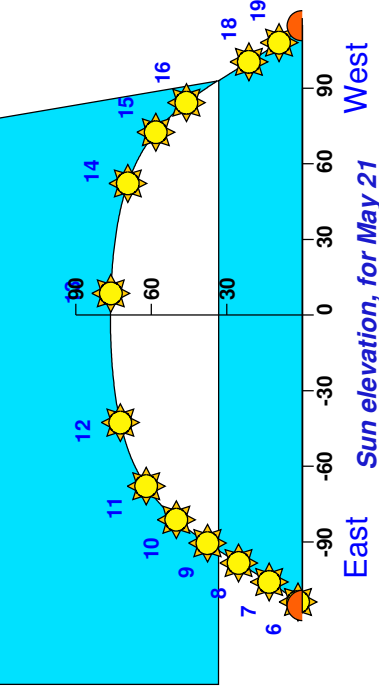


Duration of the day, for April 21

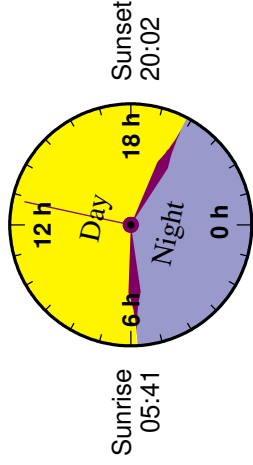
Sunrise and Sunset at Pasadena (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5 95 - 270 06:34 - 19:16 62°	6 96 - 269 06:33 - 19:17 63°	7 97 - 268 06:31 - 19:18 63°	1 91 - 274 06:40 - 19:13 61°	2 92 - 273 06:38 - 19:14 61°	3 93 - 272 06:37 - 19:15 61°	4 94 - 271 06:35 - 19:15 62°
13 102 - 263 06:25 - 19:22 65°	12 103 - 262 06:24 - 19:22 65°	14 104 - 261 06:22 - 19:23 66°	15 105 - 260 06:21 - 19:24 66°	16 106 - 259 06:20 - 19:25 66°	17 107 - 258 06:19 - 19:25 67°	18 108 - 257 06:18 - 19:26 67°
15 109 - 256 06:16 - 19:27 67°	20 110 - 255 06:15 - 19:28 68°	21 111 - 254 06:14 - 19:28 68°	22 112 - 253 06:13 - 19:29 68°	23 113 - 252 06:12 - 19:30 69°	24 114 - 251 06:10 - 19:31 69°	25 115 - 250 06:09 - 19:32 69°
17 116 - 249 06:08 - 19:32 70°	27 117 - 248 06:07 - 19:33 70°	28 118 - 247 06:06 - 19:34 70°	29 119 - 246 06:05 - 19:35 71°	30 120 - 245 06:04 - 19:36 71°		

May 2021



Pasadena
-118.14°E, 34.14°N

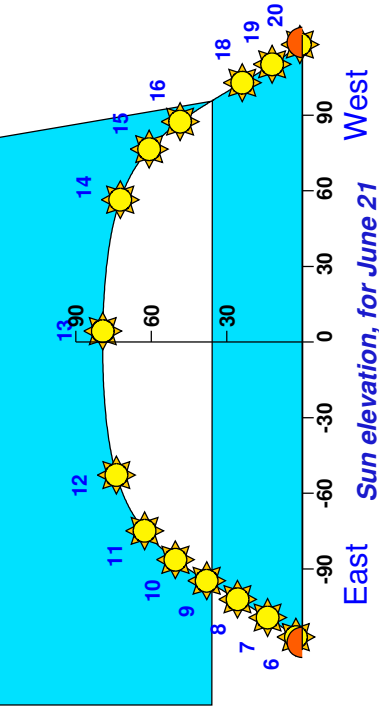


Duration of the day, for May 21

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

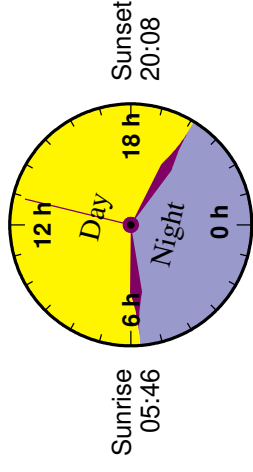
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday		
17	3	123 - 242 06:01 - 19:38 72°	4	124 - 241 06:00 - 19:39 72°	5	125 - 240 05:59 - 19:39 72°	6	126 - 239 05:58 - 19:40 73°	7	127 - 238 05:57 - 19:41 73°	1	121 - 244 06:03 - 19:36 71°	2	122 - 243 06:02 - 19:37 71°
	18													
19	10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

June 2021



Pasadena

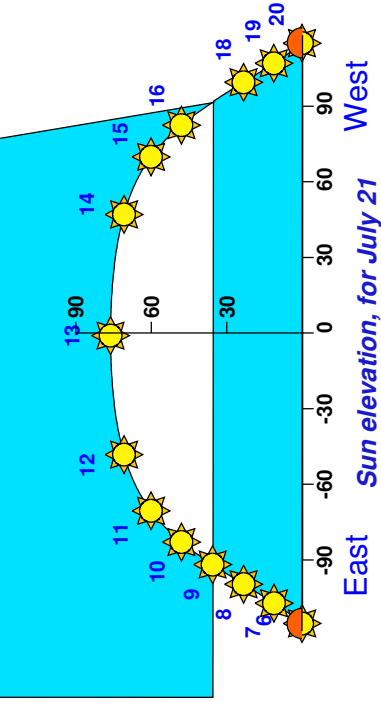
-118.14°E, 34.14°N



Duration of the day, for June 21

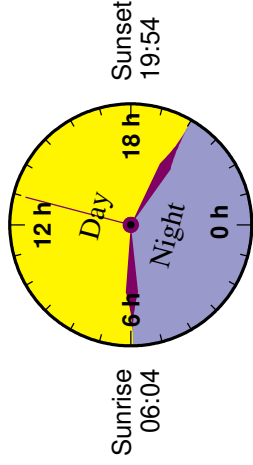
Sunrise and Sunset at Pasadena (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
22		1 152 - 213 05:42 - 19:59 78°	2 153 - 212 05:42 - 20:00 78°	3 154 - 211 05:42 - 20:00 78°	4 155 - 210 05:41 - 20:01 78°	5 156 - 209 05:41 - 20:01 78°	6 157 - 208 05:41 - 20:02 79°						
	7 158 - 207 05:41 - 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 05:41 - 20:07 79°	19 170 - 195 05:41 - 20:07 79°	20 171 - 194 05:41 - 20:07 79°						
	21 172 - 193 05:42 - 20:07 79°	22 173 - 192 05:42 - 20:08 79°	23 174 - 191 05:42 - 20:08 79°	24 175 - 190 05:42 - 20:08 79°	25 176 - 189 05:43 - 20:08 79°	26 177 - 188 05:43 - 20:08 79°	27 178 - 187 05:43 - 20:08 79°						
25													
	28 179 - 186 05:44 - 20:08 79°	29 180 - 185 05:44 - 20:08 79°	30 181 - 184 05:45 - 20:08 79°										
26													



July 2021

Pasadena
-118.14°E, 34.14°N



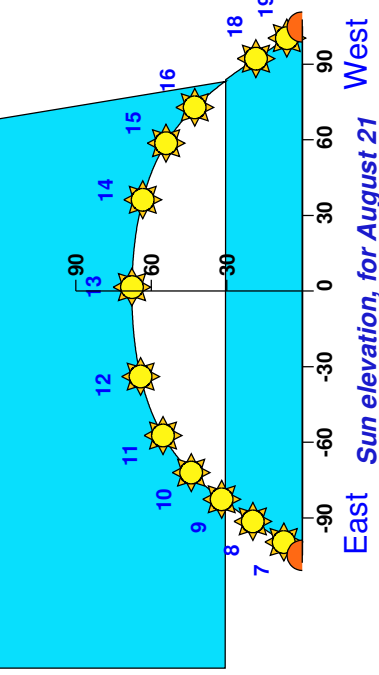
Duration of the day, for July 21

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

Sun elevation, for July 21

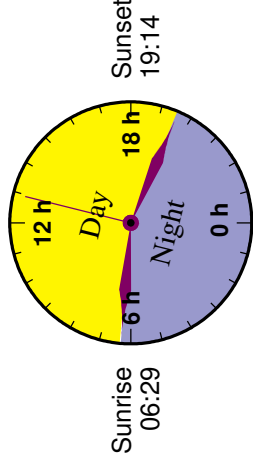
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
26 5 186 - 179 05:47 - 20:08 79°	27 6 187 - 178 05:47 - 20:08 78°	28 7 188 - 177 05:48 - 20:08 78°	29 8 189 - 176 05:48 - 20:07 78°	30 9 190 - 175 05:49 - 20:07 78°	31 10 191 - 174 05:50 - 20:07 78°	11 192 - 173 05:50 - 20:07 78°
29 12 193 - 172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

August 2021



Pasadena

-118.14°E, 34.14°N



East Sun elevation, for August 21

Duration of the day, for August 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

30

31

32

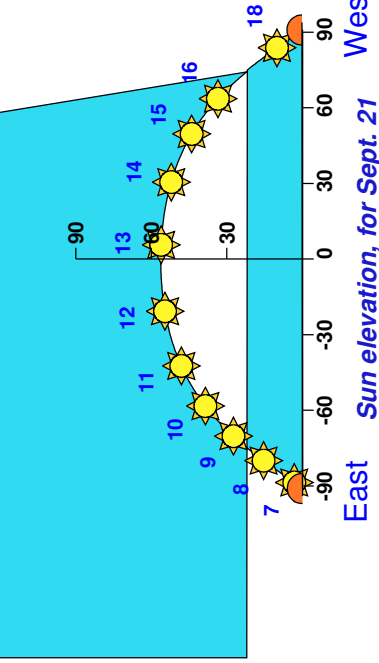
33

34

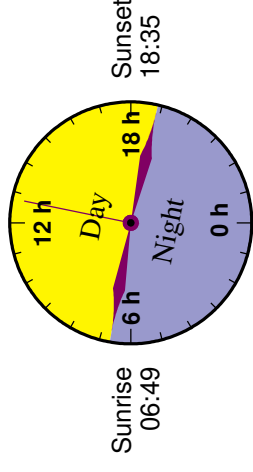
35

2 214 - 151 06:05 - 19:53 73°	3 215 - 150 06:06 - 19:53 73°	4 216 - 149 06:06 - 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 06:09 - 19:48 72°	1 213 - 152 06:04 - 19:54 74°
9 221 - 144 06:10 - 19:47 71°	10 222 - 143 06:11 - 19:46 71°	11 223 - 142 06:11 - 19:45 71°	12 224 - 141 06:12 - 19:44 71°	13 225 - 140 06:13 - 19:43 70°	14 226 - 139 06:14 - 19:42 70°	15 227 - 138 06:14 - 19:40 70°	
16 228 - 137 06:15 - 19:39 69°	17 229 - 136 06:16 - 19:38 69°	18 230 - 135 06:17 - 19:37 69°	19 231 - 134 06:17 - 19:36 68°	20 232 - 133 06:18 - 19:35 68°	21 233 - 132 06:19 - 19:33 68°	22 234 - 131 06:19 - 19:32 67°	
23 235 - 130 06:20 - 19:31 67°	24 236 - 129 06:21 - 19:30 67°	25 237 - 128 06:22 - 19:28 66°	26 238 - 127 06:22 - 19:27 66°	27 239 - 126 06:23 - 19:26 66°	28 240 - 125 06:24 - 19:25 65°	29 241 - 124 06:24 - 19:23 65°	
30 242 - 123 06:25 - 19:22 65°	31 243 - 122 06:26 - 19:21 64°						

September 2021



Pasadena
-118.14°E, 34.14°N



Duration of the day, for September 21

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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

35

6 249 - 116
06:30 - 19:13 62°

36

13 256 - 109
06:35 - 19:03 59°

37

20 263 - 102
06:40 - 18:53 57°

38

27 270 - 95
06:45 - 18:43 54°

39

1 244 - 121
06:26 - 19:19 64°

8 251 - 114
06:31 - 19:10 61°

15 258 - 107
06:36 - 19:00 59°

22 265 - 100
06:41 - 18:50 56°

29 272 - 93
06:46 - 18:41 53°

2 245 - 120
06:27 - 19:18 63°

9 252 - 113
06:32 - 19:09 61°

16 259 - 106
06:37 - 18:59 58°

23 266 - 99
06:42 - 18:49 55°

30 273 - 92
06:47 - 18:39 53°

3 246 - 119
06:28 - 19:17 63°

10 253 - 112
06:33 - 19:07 60°

17 260 - 105
06:38 - 18:57 58°

24 267 - 98
06:42 - 18:47 55°

4 247 - 118
06:29 - 19:15 63°

11 254 - 111
06:33 - 19:06 60°

18 261 - 104
06:38 - 18:56 57°

25 268 - 97
06:43 - 18:46 55°

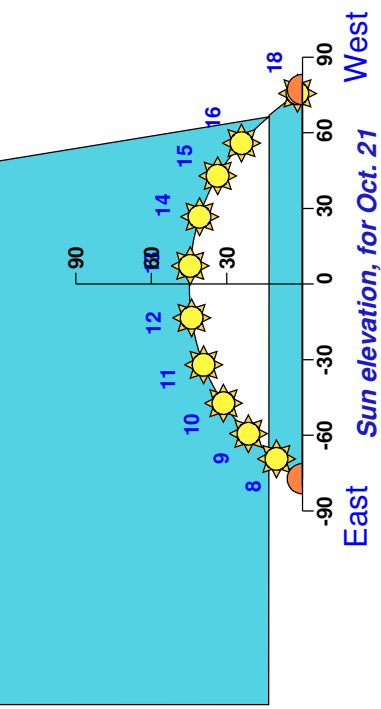
5 248 - 117
06:29 - 19:14 62°

12 255 - 110
06:34 - 19:04 60°

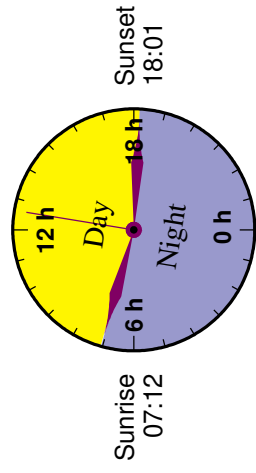
19 262 - 103
06:39 - 18:55 57°

26 269 - 96
06:44 - 18:45 54°

October 2021



Pasadena
-118.14°E, 34.14°N



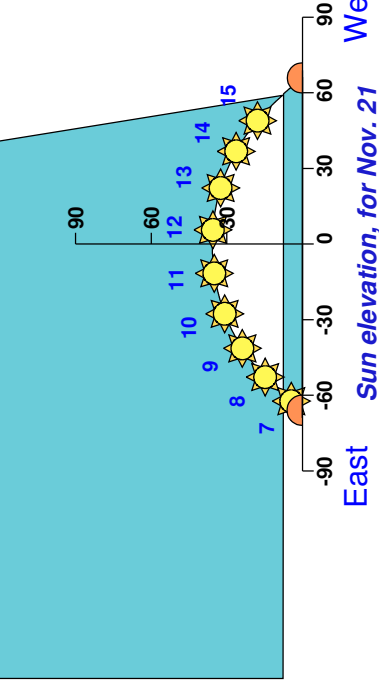
East Sun elevation, for Oct. 21 **West**

Duration of the day, for October 21

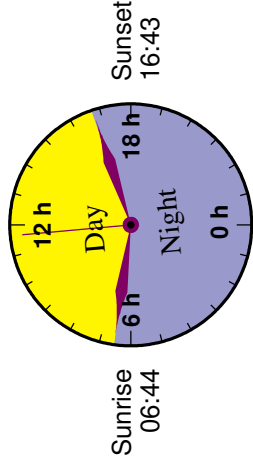
Sunrise and Sunset at Pasadena (TL $\pm$ 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
4 277 - 88 06:50 - 18:34 51°	5 278 - 87 06:50 - 18:32 51°	6 279 - 86 06:51 - 18:31 50°	7 280 - 85 06:52 - 18:30 50°	1 274 - 91 06:48 - 18:38 52°	2 275 - 90 06:48 - 18:36 52°	3 276 - 89 06:49 - 18:35 52°
11 284 - 81 06:55 - 18:24 49°	12 285 - 80 06:56 - 18:23 48°	13 286 - 79 06:57 - 18:22 48°	14 287 - 78 06:57 - 18:21 47°	8 281 - 84 06:53 - 18:28 50°	9 282 - 83 06:54 - 18:27 49°	10 283 - 82 06:54 - 18:26 49°
18 291 - 74 07:01 - 18:16 46°	19 292 - 73 07:02 - 18:14 46°	20 293 - 72 07:02 - 18:13 45°	21 294 - 71 07:03 - 18:12 45°	15 288 - 77 06:58 - 18:19 47°	16 289 - 76 06:59 - 18:18 47°	17 290 - 75 07:00 - 18:17 46°
25 298 - 67 07:07 - 18:08 43°	26 299 - 66 07:07 - 18:06 43°	27 300 - 65 07:08 - 18:05 43°	28 301 - 64 07:09 - 18:04 42°	22 295 - 70 07:04 - 18:11 45°	23 296 - 69 07:05 - 18:10 44°	24 297 - 68 07:06 - 18:09 44°
32 304 - 61 07:12 - 18:01 42°	33 305 - 60 07:13 - 18:00 41°	34 306 - 59 07:14 - 17:59 41°	35 307 - 58 07:15 - 17:58 40°	29 302 - 63 07:10 - 18:03 42°	30 303 - 62 07:11 - 18:02 42°	31 304 - 61 07:12 - 18:01 42°

November 2021



Pasadena
-118.14°E, 34.14°N



East Sun elevation, for Nov. 21 West

Duration of the day, for November 21

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

Time change November 7

Saturday Sunday

Friday

Thursday

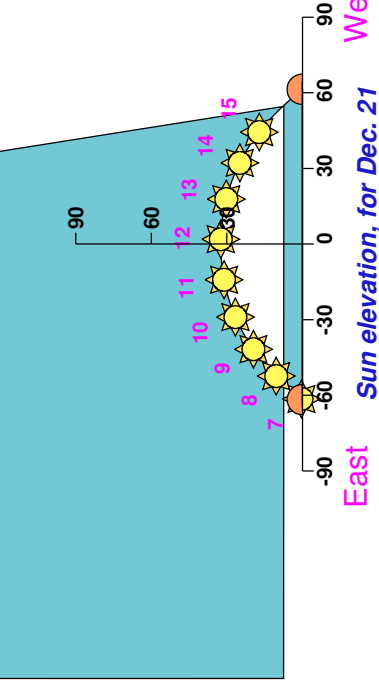
Wednesday

Tuesday

Monday

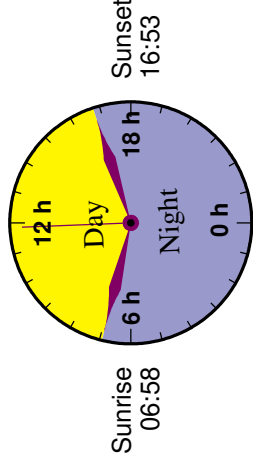
44	1 305 - 60 07:13 - 18:00 41°	2 306 - 59 07:14 - 17:59 41°	3 307 - 58 07:15 - 17:58 41°	4 308 - 57 07:16 - 17:58 40°	5 309 - 56 07:16 - 17:57 40°	6 310 - 55 07:17 - 17:56 40°	7 311 - 54 06:18 - 16:55 39°
45	8 312 - 53 06:19 - 16:54 39°	9 313 - 52 06:20 - 16:53 39°	10 314 - 51 06:21 - 16:53 39°	11 315 - 50 06:22 - 16:52 38°	12 316 - 49 06:23 - 16:51 38°	13 317 - 48 06:24 - 16:50 38°	14 318 - 47 06:25 - 16:50 37°
46	15 319 - 46 06:26 - 16:49 37°	16 320 - 45 06:27 - 16:49 37°	17 321 - 44 06:28 - 16:48 37°	18 322 - 43 06:29 - 16:47 36°	19 323 - 42 06:30 - 16:47 36°	20 324 - 41 06:31 - 16:47 36°	21 325 - 40 06:32 - 16:46 36°
47	22 326 - 39 06:32 - 16:46 36°	23 327 - 38 06:33 - 16:45 35°	24 328 - 37 06:34 - 16:45 35°	25 329 - 36 06:35 - 16:45 35°	26 330 - 35 06:36 - 16:44 35°	27 331 - 34 06:37 - 16:44 35°	28 332 - 33 06:38 - 16:44 34°
48	29 333 - 32 06:39 - 16:44 34°	30 334 - 31 06:40 - 16:43 34°					

December 2021



Pasadena

-118.14°E, 34.14°N



East Sun elevation, for Dec. 21 West

Duration of the day, for December 21

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

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
6 ^{340 - 25} 06:45 - 16:43 33°	7 ^{341 - 24} 06:46 - 16:43 33°	1 ^{335 - 30} 06:41 - 16:43 34°	2 ^{336 - 29} 06:41 - 16:43 34°	3 ^{337 - 28} 06:42 - 16:43 34°	4 ^{338 - 27} 06:43 - 16:43 34°	5 ^{339 - 26} 06:44 - 16:43 33°
13 ^{347 - 18} 06:50 - 16:44 33°	14 ^{348 - 17} 06:51 - 16:44 33°	8 ^{342 - 23} 06:46 - 16:43 33°	9 ^{343 - 22} 06:47 - 16:43 33°	10 ^{344 - 21} 06:48 - 16:43 33°	11 ^{345 - 20} 06:49 - 16:44 33°	12 ^{346 - 19} 06:49 - 16:44 33°
20 ^{354 - 11} 06:54 - 16:46 32°	21 ^{355 - 10} 06:55 - 16:47 32°	15 ^{349 - 16} 06:51 - 16:45 33°	16 ^{350 - 15} 06:52 - 16:45 33°	17 ^{351 - 14} 06:53 - 16:45 33°	18 ^{352 - 13} 06:53 - 16:46 32°	19 ^{353 - 12} 06:54 - 16:46 32°
27 ^{361 - 4} 06:57 - 16:50 33°	28 ^{362 - 3} 06:58 - 16:51 33°	22 ^{356 - 9} 06:55 - 16:47 32°	23 ^{357 - 8} 06:56 - 16:48 32°	24 ^{358 - 7} 06:56 - 16:48 32°	25 ^{359 - 6} 06:57 - 16:49 33°	26 ^{360 - 5} 06:57 - 16:50 33°
48	49	29 ^{363 - 2} 06:58 - 16:52 33°	30 ^{364 - 1} 06:58 - 16:52 33°	31 ^{365 - 0} 06:58 - 16:53 33°		
50	51					
52						

Durée du jour pour quelques villes en ~~January~~ 2022

