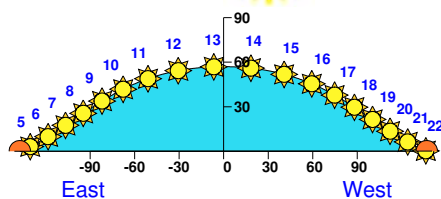


Sun Calendar 2024

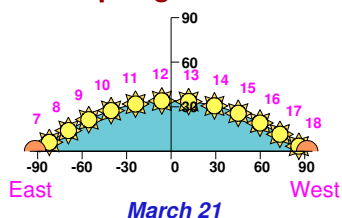
Produced by *ScientiDev*
www.scientidev.fr

Dundee
-2.97°E, 56.46°N

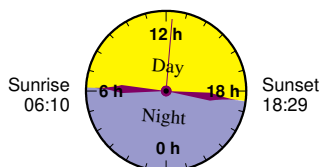
Summer



Spring

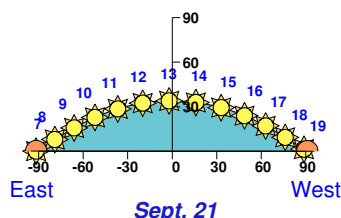


Day duration 12:19

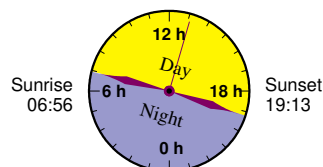


Spring Equinox

Autumn

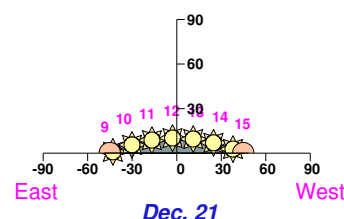


Day duration 12:17



Autumn Equinox

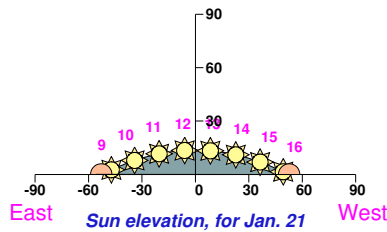
Winter



Day duration 6:50



Winter Solstice



January 2024

Dundee
-2.97°E, 56.46°N



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

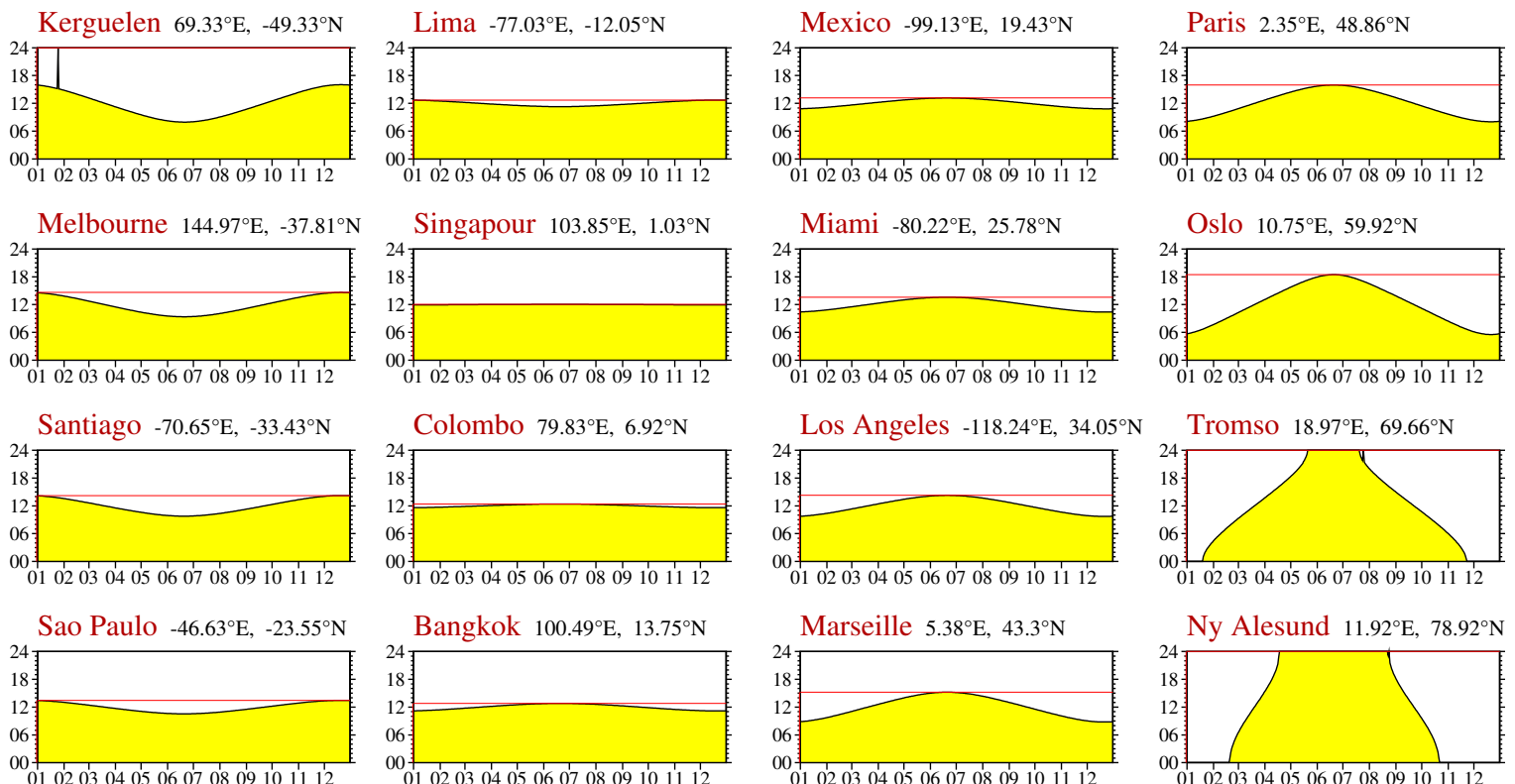
Duration of the day, for January 21

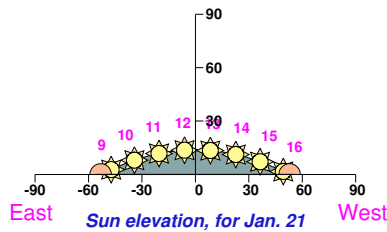
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 365 08:46 - 15:45 11° 	2 2 - 364 08:46 - 15:46 11° 	3 3 - 363 08:46 - 15:47 11° 	4 4 - 362 08:45 - 15:48 11° 	5 5 - 361 08:45 - 15:50 11° 	6 6 - 360 08:44 - 15:51 11° 	7 7 - 359 08:44 - 15:53 11°
2	8 8 - 358 08:43 - 15:54 11° 	9 9 - 357 08:42 - 15:56 11° 	10 10 - 356 08:41 - 15:58 12° 	11 11 - 355 08:41 - 15:59 12° 	12 12 - 354 08:40 - 16:01 12° 	13 13 - 353 08:39 - 16:03 12° 	14 14 - 352 08:38 - 16:05 12°
3	15 15 - 351 08:36 - 16:07 12° 	16 16 - 350 08:35 - 16:08 13° 	17 17 - 349 08:34 - 16:10 13° 	18 18 - 348 08:33 - 16:12 13° 	19 19 - 347 08:31 - 16:14 13° 	20 20 - 346 08:30 - 16:16 13° 	21 21 - 345 08:29 - 16:18 14°
4	22 22 - 344 08:27 - 16:20 14° 	23 23 - 343 08:26 - 16:23 14° 	24 24 - 342 08:24 - 16:25 14° 	25 25 - 341 08:22 - 16:27 15° 	26 26 - 340 08:21 - 16:29 15° 	27 27 - 339 08:19 - 16:31 15° 	28 28 - 338 08:17 - 16:33 15°
5	29 29 - 337 08:15 - 16:35 16° 	30 30 - 336 08:14 - 16:38 16° 	31 31 - 335 08:12 - 16:40 16° 				

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

Day duration for any cities for 2024





January 2025

Dundee
-2.97°E, 56.46°N

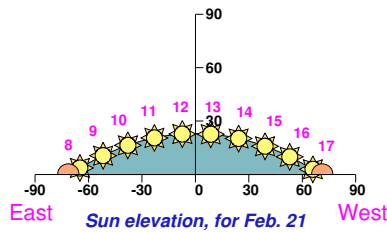


Duration of the day, for January 21

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

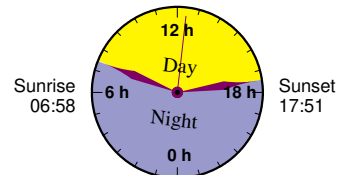
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1			1 1 - 365 08:46 - 15:45 11°	2 2 - 363 08:46 - 15:47 11°	3 3 - 362 08:45 - 15:48 11°	4 4 - 361 08:45 - 15:49 11°	5 5 - 360 08:44 - 15:51 11°
2	6 6 - 359 08:44 - 15:52 11°	7 7 - 358 08:43 - 15:54 11°	8 8 - 357 08:42 - 15:56 11°	9 9 - 356 08:42 - 15:57 12°	10 10 - 355 08:41 - 15:59 12°	11 11 - 354 08:40 - 16:01 12°	12 12 - 353 08:39 - 16:02 12°
3	13 13 - 352 08:38 - 16:04 12°	14 14 - 351 08:37 - 16:06 12°	15 15 - 350 08:36 - 16:08 13°	16 16 - 349 08:34 - 16:10 13°	17 17 - 348 08:33 - 16:12 13°	18 18 - 347 08:32 - 16:14 13°	19 19 - 346 08:30 - 16:16 13°
4	20 20 - 345 08:29 - 16:18 14°	21 21 - 344 08:27 - 16:20 14°	22 22 - 343 08:26 - 16:22 14°	23 23 - 342 08:24 - 16:24 14°	24 24 - 341 08:23 - 16:26 15°	25 25 - 340 08:21 - 16:28 15°	26 26 - 339 08:19 - 16:31 15°
5	27 27 - 338 08:18 - 16:33 15°	28 28 - 337 08:16 - 16:35 16°	29 29 - 336 08:14 - 16:37 16°	30 30 - 335 08:12 - 16:39 16°	31 31 - 334 08:10 - 16:41 16°		

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February 2024

Dundee
-2.97°E, 56.46°N



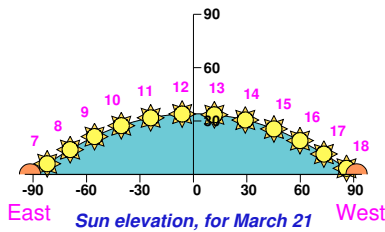
Duration of the day, for February 21

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

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
5				1 32 - 334 08:10 - 16:42 16°	2 33 - 333 08:08 - 16:44 17°	3 34 - 332 08:06 - 16:46 17°	4 35 - 331 08:04 - 16:49 17°
6	5 36 - 330 08:02 - 16:51 18°	6 37 - 329 08:00 - 16:53 18°	7 38 - 328 07:58 - 16:55 18°	8 39 - 327 07:56 - 16:58 19°	9 40 - 326 07:53 - 17:00 19°	10 41 - 325 07:51 - 17:02 19°	11 42 - 324 07:49 - 17:04 19°
7	12 43 - 323 07:47 - 17:07 20°	13 44 - 322 07:44 - 17:09 20°	14 45 - 321 07:42 - 17:11 20°	15 46 - 320 07:40 - 17:13 21°	16 47 - 319 07:38 - 17:16 21°	17 48 - 318 07:35 - 17:18 22°	18 49 - 317 07:33 - 17:20 22°
8	19 50 - 316 07:30 - 17:22 22°	20 51 - 315 07:28 - 17:25 23°	21 52 - 314 07:26 - 17:27 23°	22 53 - 313 07:23 - 17:29 23°	23 54 - 312 07:21 - 17:31 24°	24 55 - 311 07:18 - 17:33 24°	25 56 - 310 07:16 - 17:36 24°
9	26 57 - 309 07:13 - 17:38 25°	27 58 - 308 07:11 - 17:40 25°	28 59 - 307 07:08 - 17:42 26°	29 60 - 306 07:06 - 17:44 26°			

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March 2024



Dundee
-2.97°E, 56.46°N



Duration of the day, for March 21

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

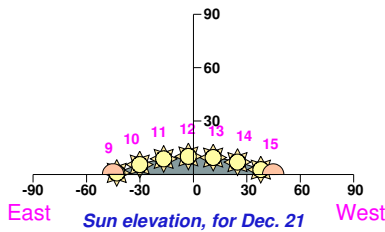
Time change March 31

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

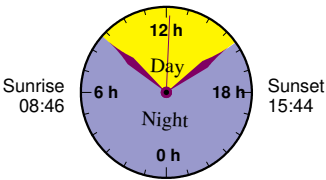
				161 - 305 07:03 - 17:46 26°	262 - 304 07:01 - 17:49 27°	363 - 303 06:58 - 17:51 27°
9						
10	464 - 302 06:55 - 17:53 27°	565 - 301 06:53 - 17:55 28°	666 - 300 06:50 - 17:57 28°	767 - 299 06:48 - 17:59 29°	868 - 298 06:45 - 18:02 29°	969 - 297 06:42 - 18:04 29°
11	1171 - 295 06:37 - 18:08 30°	1272 - 294 06:34 - 18:10 31°	1373 - 293 06:32 - 18:12 31°	1474 - 292 06:29 - 18:14 31°	1575 - 291 06:26 - 18:16 32°	1676 - 290 06:24 - 18:18 32°
12	1878 - 288 06:18 - 18:23 33°	1979 - 287 06:16 - 18:25 33°	2080 - 286 06:13 - 18:27 34°	2181 - 285 06:10 - 18:29 34°	2282 - 284 06:08 - 18:31 35°	2383 - 283 06:05 - 18:33 35°
13	2585 - 281 06:00 - 18:37 36°	2686 - 280 05:57 - 18:39 36°	2787 - 279 05:54 - 18:41 36°	2888 - 278 05:52 - 18:44 37°	2989 - 277 05:49 - 18:46 37°	3090 - 276 05:46 - 18:48 38°
						3191 - 275 06:44 - 19:50 38°

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December 2024



Dundee
-2.97°E, 56.46°N



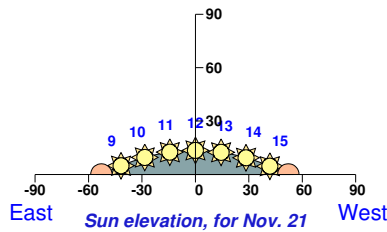
Duration of the day, for December 21

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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

						1336 - 30 08:22 - 15:40 12°
48						
49	2337 - 29 08:24 - 15:39 12°	3338 - 28 08:26 - 15:38 11°	4339 - 27 08:27 - 15:37 11°	5340 - 26 08:29 - 15:37 11°	6341 - 25 08:30 - 15:36 11°	7342 - 24 08:32 - 15:36 11°
50	9344 - 22 08:34 - 15:35 11°	10345 - 21 08:36 - 15:34 11°	11346 - 20 08:37 - 15:34 11°	12347 - 19 08:38 - 15:34 10°	13348 - 18 08:39 - 15:34 10°	14349 - 17 08:40 - 15:34 10°
51	16351 - 15 08:42 - 15:34 10°	17352 - 14 08:43 - 15:34 10°	18353 - 13 08:43 - 15:34 10°	19354 - 12 08:44 - 15:35 10°	20355 - 11 08:45 - 15:35 10°	21356 - 10 08:45 - 15:36 10°
52	23358 - 8 08:46 - 15:37 10°	24359 - 7 08:46 - 15:38 10°	25360 - 6 08:47 - 15:38 10°	26361 - 5 08:47 - 15:39 10°	27362 - 4 08:47 - 15:40 10°	28363 - 3 08:47 - 15:41 10°
53	30365 - 1 08:47 - 15:43 11°	31366 - 0 08:46 - 15:44 11°				

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November 2024

Dundee
-2.97°E, 56.46°N



Duration of the day, for November 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

44

45

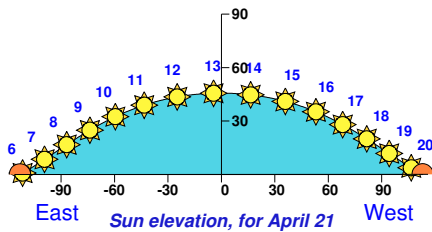
46

47

48

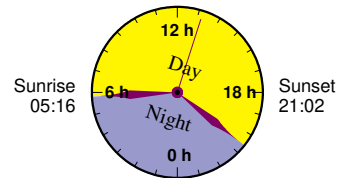
				1 306 - 60 07:22 - 16:29 19°	2 307 - 59 07:24 - 16:27 19°	3 308 - 58 07:26 - 16:25 18°
4 309 - 57 07:28 - 16:22 18°	5 310 - 56 07:30 - 16:20 18°	6 311 - 55 07:32 - 16:18 17°	7 312 - 54 07:35 - 16:16 17°	8 313 - 53 07:37 - 16:14 17°	9 314 - 52 07:39 - 16:12 17°	10 315 - 51 07:41 - 16:10 16°
11 316 - 50 07:43 - 16:08 16°	12 317 - 49 07:45 - 16:07 16°	13 318 - 48 07:47 - 16:05 15°	14 319 - 47 07:50 - 16:03 15°	15 320 - 46 07:52 - 16:01 15°	16 321 - 45 07:54 - 15:59 15°	17 322 - 44 07:56 - 15:58 14°
18 323 - 43 07:58 - 15:56 14°	19 324 - 42 08:00 - 15:55 14°	20 325 - 41 08:02 - 15:53 14°	21 326 - 40 08:04 - 15:52 14°	22 327 - 39 08:06 - 15:50 13°	23 328 - 38 08:08 - 15:49 13°	24 329 - 37 08:10 - 15:47 13°
25 330 - 36 08:12 - 15:46 13°	26 331 - 35 08:14 - 15:45 13°	27 332 - 34 08:15 - 15:44 12°	28 333 - 33 08:17 - 15:43 12°	29 334 - 32 08:19 - 15:42 12°	30 335 - 31 08:21 - 15:41 12°	

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



April 2024

Dundee
-2.97°E, 56.46°N



Duration of the day, for April 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

14

15

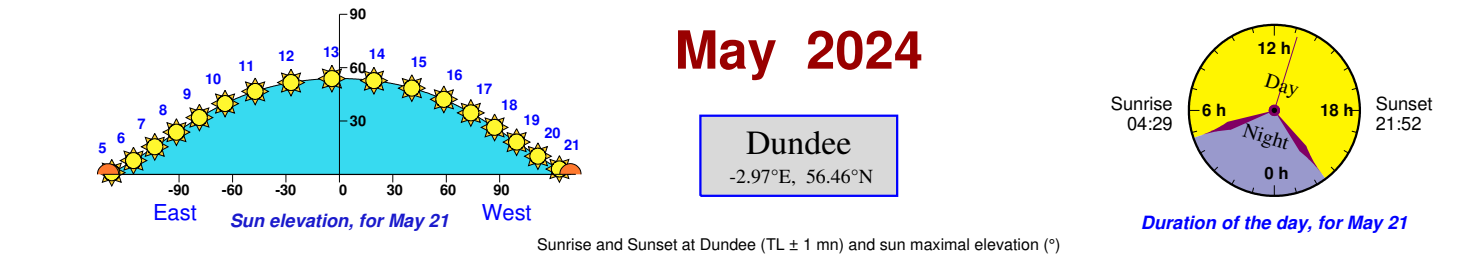
16

17

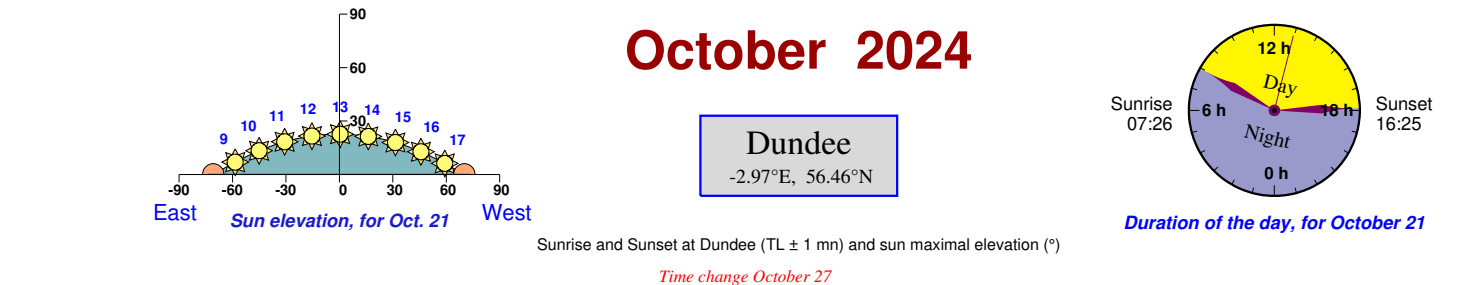
18

1 92 - 274 06:41 - 19:52 38°	2 93 - 273 06:38 - 19:54 39°	3 94 - 272 06:36 - 19:56 39°	4 95 - 271 06:33 - 19:58 40°	5 96 - 270 06:30 - 20:00 40°	6 97 - 269 06:28 - 20:02 40°	7 98 - 268 06:25 - 20:04 41°
8 99 - 267 06:22 - 20:06 41°	9 100 - 266 06:20 - 20:08 41°	10 101 - 265 06:17 - 20:11 42°	11 102 - 264 06:15 - 20:13 42°	12 103 - 263 06:12 - 20:15 43°	13 104 - 262 06:09 - 20:17 43°	14 105 - 261 06:07 - 20:19 43°
15 106 - 260 06:04 - 20:21 44°	16 107 - 259 06:02 - 20:23 44°	17 108 - 258 05:59 - 20:25 44°	18 109 - 257 05:57 - 20:27 45°	19 110 - 256 05:54 - 20:29 45°	20 111 - 255 05:52 - 20:31 45°	21 112 - 254 05:49 - 20:34 46°
22 113 - 253 05:47 - 20:36 46°	23 114 - 252 05:44 - 20:38 46°	24 115 - 251 05:42 - 20:40 47°	25 116 - 250 05:39 - 20:42 47°	26 117 - 249 05:37 - 20:44 47°	27 118 - 248 05:35 - 20:46 48°	28 119 - 247 05:32 - 20:48 48°
29 120 - 246 05:30 - 20:50 48°	30 121 - 245 05:28 - 20:52 49°					

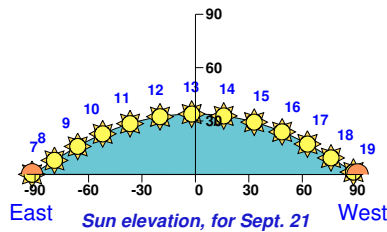
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
18			1122 - 244 05:25 - 20:54 49°	2123 - 243 05:23 - 20:56 49°	3124 - 242 05:21 - 20:58 49°	4125 - 241 05:19 - 21:00 50°	5126 - 240 05:16 - 21:02 50°
19	6127 - 239 05:14 - 21:04 50°	7128 - 238 05:12 - 21:07 51°	8129 - 237 05:10 - 21:09 51°	9130 - 236 05:08 - 21:11 51°	10131 - 235 05:06 - 21:12 51°	11132 - 234 05:04 - 21:14 52°	12133 - 233 05:02 - 21:16 52°
20	13134 - 232 05:00 - 21:18 52°	14135 - 231 04:58 - 21:20 52°	15136 - 230 04:56 - 21:22 53°	16137 - 229 04:54 - 21:24 53°	17138 - 228 04:52 - 21:26 53°	18139 - 227 04:50 - 21:28 53°	19140 - 226 04:49 - 21:30 53°
21	20141 - 225 04:47 - 21:31 54°	21142 - 224 04:45 - 21:33 54°	22143 - 223 04:44 - 21:35 54°	23144 - 222 04:42 - 21:37 54°	24145 - 221 04:41 - 21:38 54°	25146 - 220 04:39 - 21:40 55°	26147 - 219 04:38 - 21:42 55°
22	27148 - 218 04:36 - 21:43 55°	28149 - 217 04:35 - 21:45 55°	29150 - 216 04:34 - 21:46 55°	30151 - 215 04:33 - 21:48 55°	31152 - 214 04:31 - 21:49 56°		

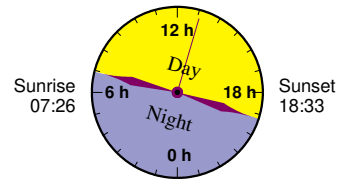


	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
40		1275 - 91 07:16 - 18:46 30°	2276 - 90 07:18 - 18:43 30°	3277 - 89 07:20 - 18:41 29°	4278 - 88 07:22 - 18:38 29°	5279 - 87 07:24 - 18:35 29°	6280 - 86 07:26 - 18:33 28°
41	7281 - 85 07:28 - 18:30 28°	8282 - 84 07:30 - 18:27 27°	9283 - 83 07:33 - 18:25 27°	10284 - 82 07:35 - 18:22 27°	11285 - 81 07:37 - 18:20 26°	12286 - 80 07:39 - 18:17 26°	13287 - 79 07:41 - 18:14 26°
42	14288 - 78 07:43 - 18:12 25°	15289 - 77 07:45 - 18:09 25°	16290 - 76 07:47 - 18:07 24°	17291 - 75 07:49 - 18:04 24°	18292 - 74 07:51 - 18:02 24°	19293 - 73 07:53 - 17:59 23°	20294 - 72 07:56 - 17:57 23°
43	21295 - 71 07:58 - 17:54 23°	22296 - 70 08:00 - 17:52 22°	23297 - 69 08:02 - 17:50 22°	24298 - 68 08:04 - 17:47 22°	25299 - 67 08:06 - 17:45 21°	26300 - 66 08:09 - 17:43 21°	27301 - 65 07:11 - 16:40 21°
44	28302 - 64 07:13 - 16:38 20°	29303 - 63 07:15 - 16:36 20°	30304 - 62 07:17 - 16:33 20°	31305 - 61 07:19 - 16:31 19°			



September 2024

Dundee
-2.97°E, 56.46°N



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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

35

36

37

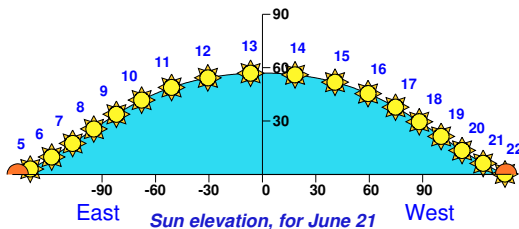
38

39

40

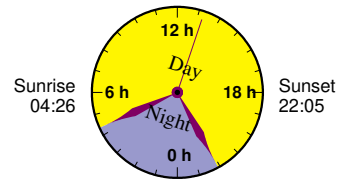
						1245 - 121 06:16 - 20:06 42°
2246 - 120 06:18 - 20:04 41°	3247 - 119 06:20 - 20:01 41°	4248 - 118 06:22 - 19:58 40°	5249 - 117 06:24 - 19:56 40°	6250 - 116 06:26 - 19:53 40°	7251 - 115 06:28 - 19:50 39°	8252 - 114 06:30 - 19:48 39°
9253 - 113 06:32 - 19:45 39°	10254 - 112 06:34 - 19:42 38°	11255 - 111 06:36 - 19:40 38°	12256 - 110 06:38 - 19:37 37°	13257 - 109 06:40 - 19:34 37°	14258 - 108 06:42 - 19:32 37°	15259 - 107 06:44 - 19:29 36°
16260 - 106 06:46 - 19:26 36°	17261 - 105 06:48 - 19:23 36°	18262 - 104 06:50 - 19:21 35°	19263 - 103 06:52 - 19:18 35°	20264 - 102 06:54 - 19:15 34°	21265 - 101 06:56 - 19:13 34°	22266 - 100 06:58 - 19:10 34°
23267 - 99 07:00 - 19:07 33°	24268 - 98 07:02 - 19:05 33°	25269 - 97 07:04 - 19:02 32°	26270 - 96 07:06 - 18:59 32°	27271 - 95 07:08 - 18:57 32°	28272 - 94 07:10 - 18:54 31°	29273 - 93 07:12 - 18:51 31°
30274 - 92 07:14 - 18:49 30°						

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June 2024

Dundee
-2.97°E, 56.46°N



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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

22

23

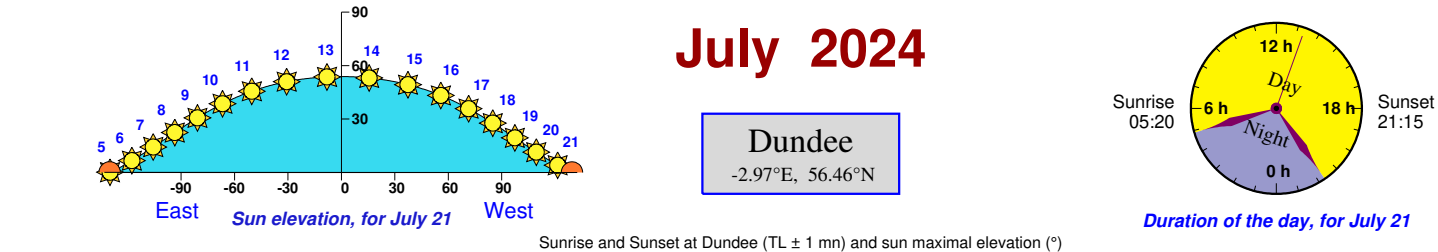
24

25

26

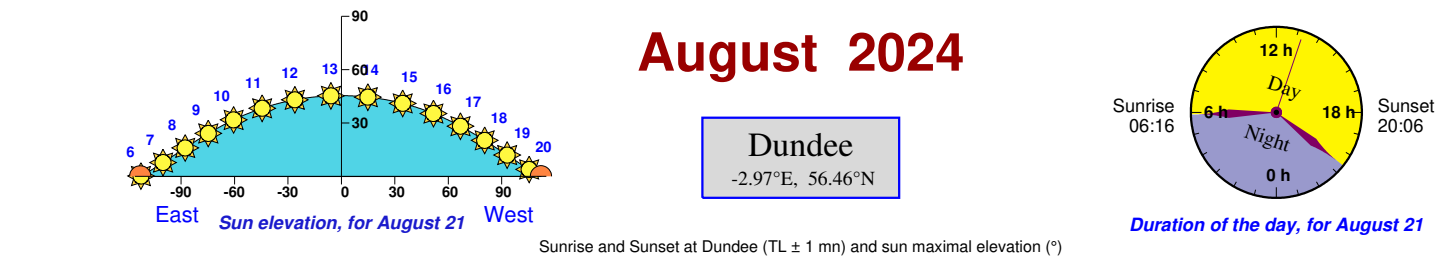
					1153 - 213 04:30 - 21:50 56°	2154 - 212 04:29 - 21:52 56°
3155 - 211 04:28 - 21:53 56°	4156 - 210 04:27 - 21:54 56°	5157 - 209 04:27 - 21:55 56°	6158 - 208 04:26 - 21:57 56°	7159 - 207 04:25 - 21:58 56°	8160 - 206 04:24 - 21:59 56°	9161 - 205 04:24 - 22:00 57°
10162 - 204 04:23 - 22:01 57°	11163 - 203 04:23 - 22:01 57°	12164 - 202 04:22 - 22:02 57°	13165 - 201 04:22 - 22:03 57°	14166 - 200 04:22 - 22:04 57°	15167 - 199 04:22 - 22:04 57°	16168 - 198 04:21 - 22:05 57°
17169 - 197 04:21 - 22:05 57°	18170 - 196 04:21 - 22:05 57°	19171 - 195 04:21 - 22:06 57°	20172 - 194 04:21 - 22:06 57°	21173 - 193 04:22 - 22:06 57°	22174 - 192 04:22 - 22:06 57°	23175 - 191 04:22 - 22:06 57°
24176 - 190 04:23 - 22:06 57°	25177 - 189 04:23 - 22:06 57°	26178 - 188 04:24 - 22:06 57°	27179 - 187 04:24 - 22:06 57°	28180 - 186 04:25 - 22:06 57°	29181 - 185 04:26 - 22:05 57°	30182 - 184 04:26 - 22:05 57°

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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
27	1 183 - 183 04:27 - 22:04 57° 	2 184 - 182 04:28 - 22:04 57° 	3 185 - 181 04:29 - 22:03 56° 	4 186 - 180 04:30 - 22:02 56° 	5 187 - 179 04:31 - 22:02 56° 	6 188 - 178 04:32 - 22:01 56° 	7 189 - 177 04:34 - 22:00 56°
28	8 190 - 176 04:35 - 21:59 56° 	9 191 - 175 04:36 - 21:58 56° 	10 192 - 174 04:37 - 21:57 56° 	11 193 - 173 04:39 - 21:56 56° 	12 194 - 172 04:40 - 21:55 55° 	13 195 - 171 04:42 - 21:53 55° 	14 196 - 170 04:43 - 21:52 55°
29	15 197 - 169 04:45 - 21:51 55° 	16 198 - 168 04:46 - 21:49 55° 	17 199 - 167 04:48 - 21:48 55° 	18 200 - 166 04:49 - 21:46 54° 	19 201 - 165 04:51 - 21:45 54° 	20 202 - 164 04:53 - 21:43 54° 	21 203 - 163 04:54 - 21:42 54°
30	22 204 - 162 04:56 - 21:40 54° 	23 205 - 161 04:58 - 21:38 53° 	24 206 - 160 05:00 - 21:36 53° 	25 207 - 159 05:01 - 21:35 53° 	26 208 - 158 05:03 - 21:33 53° 	27 209 - 157 05:05 - 21:31 53° 	28 210 - 156 05:07 - 21:29 52°
31	29 211 - 155 05:09 - 21:27 52° 	30 212 - 154 05:11 - 21:25 52° 	31 213 - 153 05:13 - 21:23 52° 				

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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
31				1 214 - 152 05:14 - 21:21 51° 	2 215 - 151 05:16 - 21:19 51° 	3 216 - 150 05:18 - 21:17 51° 	4 217 - 149 05:20 - 21:15 51°
32	5 218 - 148 05:22 - 21:12 50° 	6 219 - 147 05:24 - 21:10 50° 	7 220 - 146 05:26 - 21:08 50° 	8 221 - 145 05:28 - 21:06 49° 	9 222 - 144 05:30 - 21:03 49° 	10 223 - 143 05:32 - 21:01 49° 	11 224 - 142 05:34 - 20:59 49°
33	12 225 - 141 05:36 - 20:57 48° 	13 226 - 140 05:38 - 20:54 48° 	14 227 - 139 05:40 - 20:52 48° 	15 228 - 138 05:42 - 20:49 47° 	16 229 - 137 05:44 - 20:47 47° 	17 230 - 136 05:46 - 20:45 47° 	18 231 - 135 05:48 - 20:42 46°
34	19 232 - 134 05:50 - 20:40 46° 	20 233 - 133 05:52 - 20:37 46° 	21 234 - 132 05:54 - 20:35 45° 	22 235 - 131 05:56 - 20:32 45° 	23 236 - 130 05:58 - 20:30 45° 	24 237 - 129 06:00 - 20:27 44° 	25 238 - 128 06:02 - 20:24 44°
35	26 239 - 127 06:04 - 20:22 44° 	27 240 - 126 06:06 - 20:19 43° 	28 241 - 125 06:08 - 20:17 43° 	29 242 - 124 06:10 - 20:14 43° 	30 243 - 123 06:12 - 20:12 42° 	31 244 - 122 06:14 - 20:09 42° 	

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