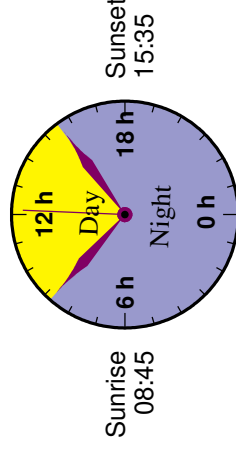
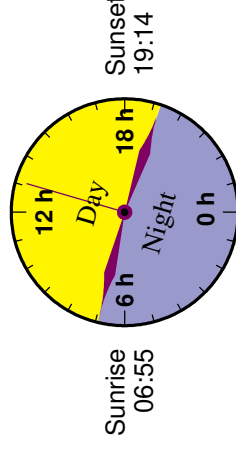
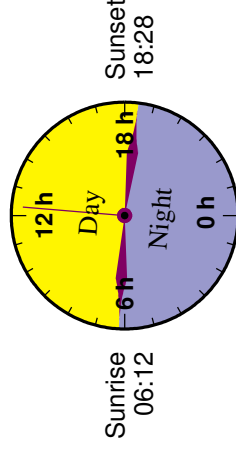
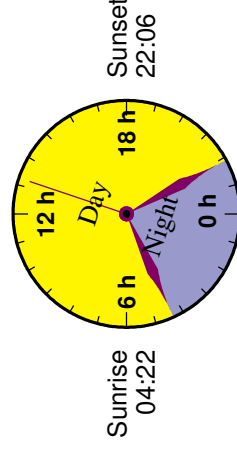
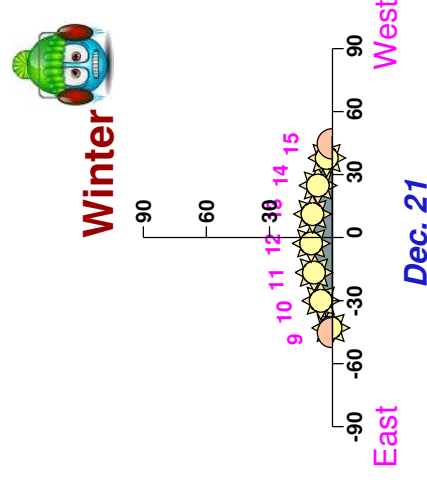
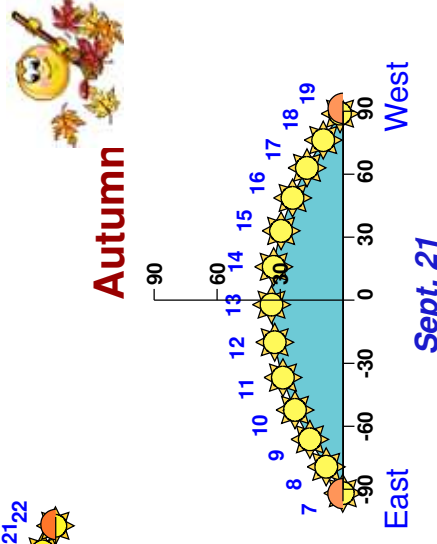
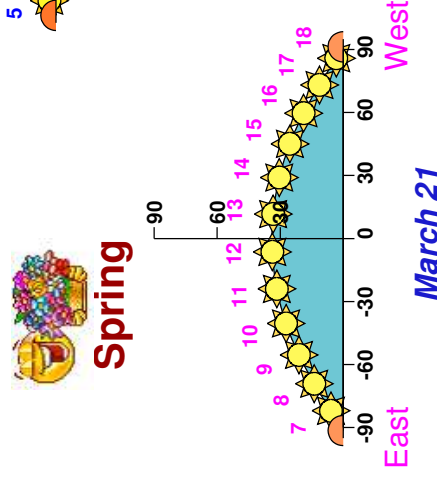
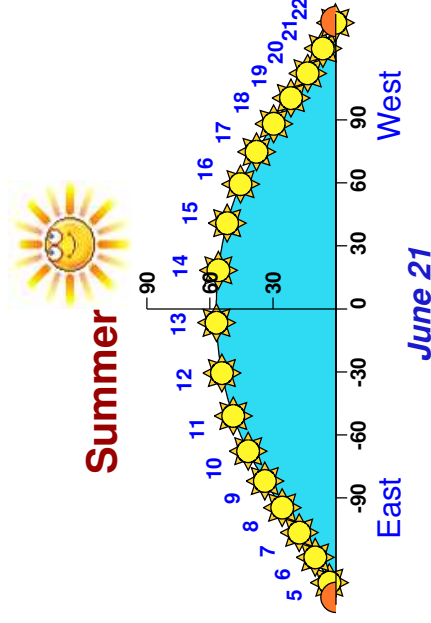


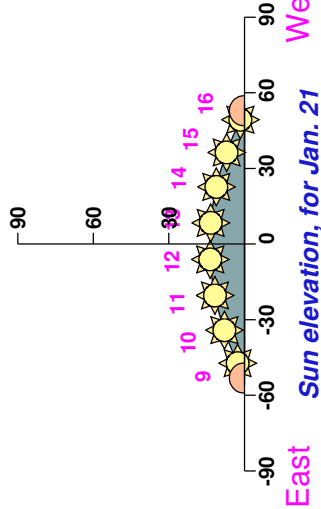
Sun Calendar 2022

Produced by *ScientiDev*
www.scientidev.fr

Dundee
-2.97°E, 56.46°N

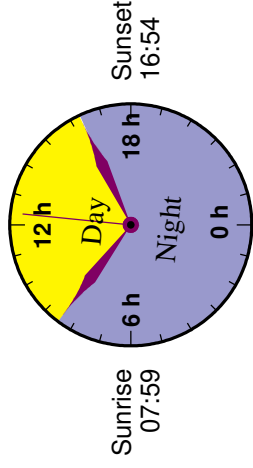


January 2022



Dundee

-2.97°E, 56.46°N



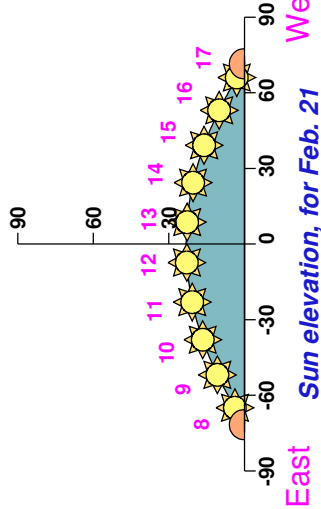
Sun elevation, for Jan. 21

Duration of the day, for January 21

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

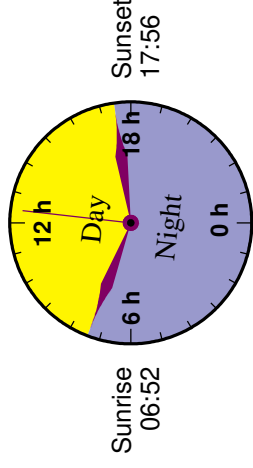
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	3 08:46 - 15:48 11°	4 08:45 - 15:49 11°	5 08:45 - 15:51 11°	6 08:44 - 15:52 11°	7 08:43 - 15:54 11°	8 08:43 - 15:55 11°	9 08:42 - 15:57 12°
2	10 08:41 - 15:58 12°	11 08:40 - 16:00 12°	12 08:39 - 16:02 12°	13 08:38 - 16:04 12°	14 08:37 - 16:06 12°	15 08:36 - 16:07 13°	16 08:35 - 16:09 13°
3	17 08:33 - 16:11 13°	18 08:32 - 16:13 13°	19 08:31 - 16:15 13°	20 08:29 - 16:17 14°	21 08:28 - 16:19 14°	22 08:26 - 16:21 14°	23 08:25 - 16:24 14°
4	24 08:23 - 16:26 14°	25 08:22 - 16:28 15°	26 08:20 - 16:30 15°	27 08:18 - 16:32 15°	28 08:16 - 16:34 15°	29 08:15 - 16:36 16°	30 08:13 - 16:39 16°
5	31 08:11 - 16:41 16°						

February 2022



Dundee

-2.97°E, 56.46°N



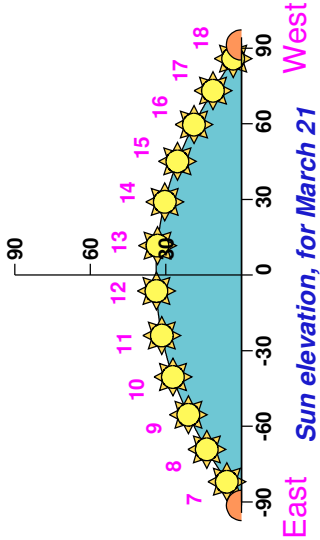
Sun elevation, for Feb. 21

Duration of the day, for February 21

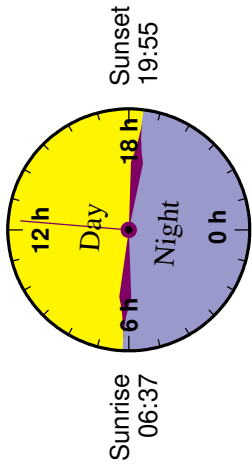
Sunrise and Sunset at Dundee (TL ± 1 mn) and sun maximal elevation (°)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
7 38 - 327 07:57 - 16:56 18°	1 32 - 333 08:09 - 16:43 17°	2 33 - 332 08:07 - 16:45 17°	3 34 - 331 08:05 - 16:48 17°	4 35 - 330 08:03 - 16:50 17°	5 36 - 329 08:01 - 16:52 18°	6 37 - 328 07:59 - 16:54 18°
14 45 - 320 07:41 - 17:12 21°	8 39 - 326 07:55 - 16:59 19°	9 40 - 325 07:52 - 17:01 19°	10 41 - 324 07:50 - 17:03 19°	11 42 - 323 07:48 - 17:05 20°	12 43 - 322 07:46 - 17:08 20°	13 44 - 321 07:43 - 17:10 20°
21 52 - 313 07:24 - 17:28 23°	15 46 - 319 07:39 - 17:14 21°	16 47 - 318 07:36 - 17:17 21°	17 48 - 317 07:34 - 17:19 22°	18 49 - 316 07:32 - 17:21 22°	19 50 - 315 07:29 - 17:23 22°	20 51 - 314 07:27 - 17:26 23°
28 59 - 306 07:07 - 17:43 26°	22 53 - 312 07:22 - 17:30 23°	23 54 - 311 07:20 - 17:32 24°	24 55 - 310 07:17 - 17:34 24°	25 56 - 309 07:15 - 17:37 25°	26 57 - 308 07:12 - 17:39 25°	27 58 - 307 07:10 - 17:41 25°

March 2022



Dundee
-2.97°E, 56.46°N



Sun elevation, for March 21

Duration of the day, for March 21

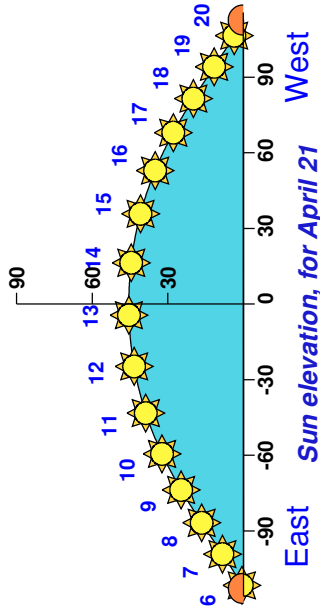
Sunrise and Sunset at Dundee (TL $\pm$ 1 mn) and sun maximal elevation (°)

Time change March 27

Monday **Tuesday** **Wednesday** **Thursday** **Friday** **Saturday** **Sunday**

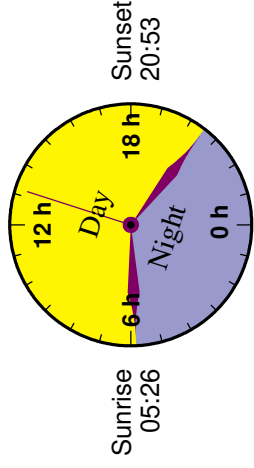
7 66 - 299 06:49 - 17:58 28°	1 60 - 305 07:04 - 17:45 26°	2 61 - 304 07:02 - 17:48 26°	3 62 - 303 06:59 - 17:50 27°	4 63 - 302 06:57 - 17:52 27°	5 64 - 301 06:54 - 17:54 28°	6 65 - 300 06:52 - 17:56 28°
14 73 - 292 06:30 - 18:13 31°	8 67 - 298 06:46 - 18:00 29°	9 68 - 297 06:44 - 18:03 29°	10 69 - 296 06:41 - 18:05 30°	11 70 - 295 06:38 - 18:07 30°	12 71 - 294 06:36 - 18:09 30°	13 72 - 293 06:33 - 18:11 31°
21 80 - 285 06:12 - 18:28 34°	15 74 - 291 06:28 - 18:15 32°	16 75 - 290 06:25 - 18:17 32°	17 76 - 289 06:22 - 18:19 32°	18 77 - 288 06:20 - 18:22 33°	19 78 - 287 06:17 - 18:24 33°	20 79 - 286 06:14 - 18:26 34°
28 87 - 278 06:53 - 19:42 37°	22 81 - 284 06:09 - 18:30 34°	23 82 - 283 06:06 - 18:32 35°	24 83 - 282 06:04 - 18:34 35°	25 84 - 281 06:01 - 18:36 35°	26 85 - 280 05:58 - 18:38 36°	27 86 - 279 06:56 - 19:40 36°

April 2022



Dundee

-2.97°E, 56.46°N

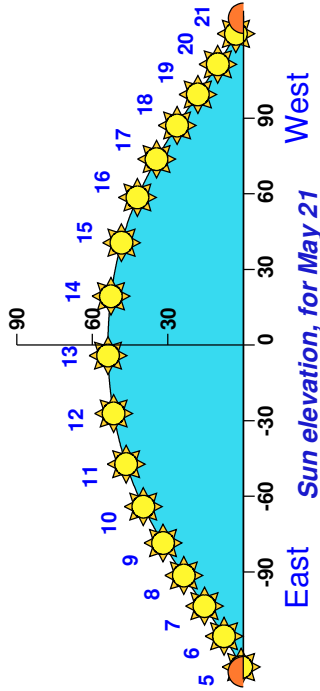


Duration of the day, for April 21

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

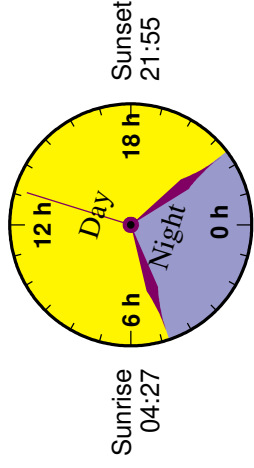
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
13	4 94 - 271 06:34 - 19:57 39°	5 95 - 270 06:32 - 19:59 40°	6 96 - 269 06:29 - 20:01 40°	7 97 - 268 06:26 - 20:03 40°	8 98 - 267 06:24 - 20:05 41°	9 99 - 266 06:21 - 20:07 41°	10 100 - 265 06:19 - 20:09 42°	11 101 - 264 06:16 - 20:12 42°	12 102 - 263 06:13 - 20:14 42°	13 103 - 262 06:11 - 20:16 43°	14 104 - 261 06:08 - 20:18 43°	15 105 - 260 06:06 - 20:20 43°	16 106 - 259 06:03 - 20:22 44°
	18 108 - 257 05:58 - 20:26 44°	19 109 - 256 05:55 - 20:28 45°	20 110 - 255 05:53 - 20:30 45°	21 111 - 254 05:50 - 20:32 46°	22 112 - 253 05:48 - 20:35 46°	23 113 - 252 05:46 - 20:37 46°	24 114 - 251 05:43 - 20:39 47°	25 115 - 250 05:41 - 20:41 47°	26 116 - 249 05:38 - 20:43 47°	27 117 - 248 05:36 - 20:45 47°	28 118 - 247 05:33 - 20:47 48°	29 119 - 246 05:31 - 20:49 48°	30 120 - 245 05:29 - 20:51 48°
14													
15													
16													
17													

May 2022



Dundee

-2.97°E, 56.46°N



Duration of the day, for May 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

17

18

19

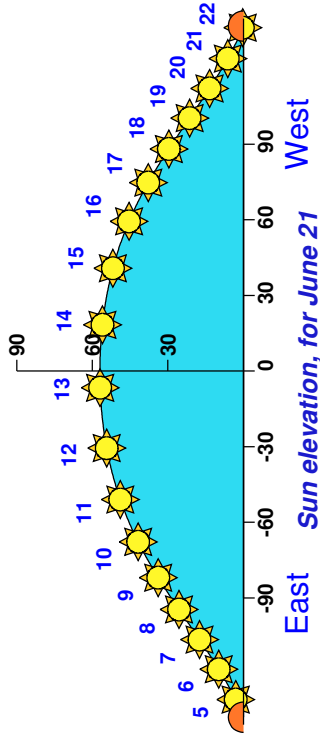
20

21

22

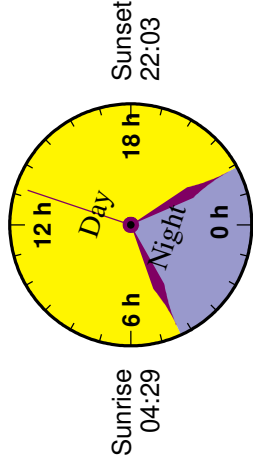
2 122 - 243 05:24 - 20:55 49°	3 123 - 242 05:22 - 20:57 49°	4 124 - 241 05:20 - 20:59 50°	5 125 - 240 05:17 - 21:01 50°	6 126 - 239 05:15 - 21:03 50°	7 127 - 238 05:13 - 21:05 50°	8 128 - 237 05:11 - 21:07 51°	1 121 - 244 05:26 - 20:53 49°
9 129 - 236 05:09 - 21:09 51°	10 130 - 235 05:07 - 21:11 51°	11 131 - 234 05:05 - 21:13 52°	12 132 - 233 05:03 - 21:15 52°	13 133 - 232 05:01 - 21:17 52°	14 134 - 231 04:59 - 21:19 52°	15 135 - 230 04:57 - 21:21 52°	
16 136 - 229 04:55 - 21:23 53°	17 137 - 228 04:53 - 21:25 53°	18 138 - 227 04:51 - 21:27 53°	19 139 - 226 04:50 - 21:29 53°	20 140 - 225 04:48 - 21:30 54°	21 141 - 224 04:46 - 21:32 54°	22 142 - 223 04:45 - 21:34 54°	
23 143 - 222 04:43 - 21:36 54°	24 144 - 221 04:41 - 21:37 54°	25 145 - 220 04:40 - 21:39 55°	26 146 - 219 04:39 - 21:41 55°	27 147 - 218 04:37 - 21:42 55°	28 148 - 217 04:36 - 21:44 55°	29 149 - 216 04:34 - 21:45 55°	
30 150 - 215 04:33 - 21:47 55°	31 151 - 214 04:32 - 21:48 56°						

June 2022



Dundee

-2.97°E, 56.46°N



Sun elevation, for June 21

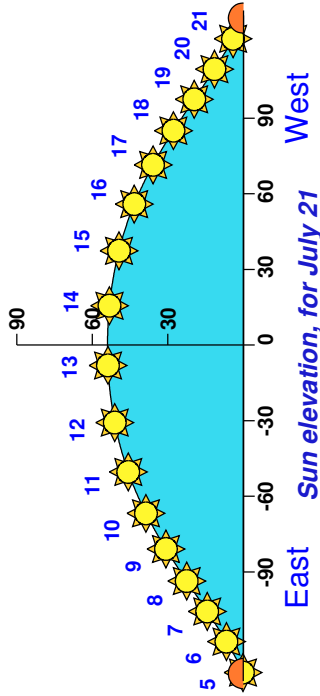
Duration of the day, for June 21

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

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

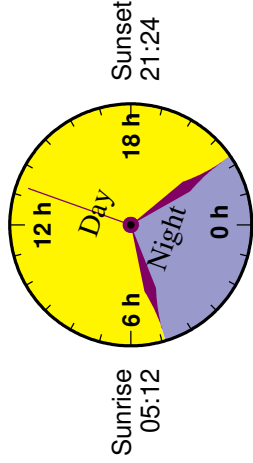
6 157 - 208 04:26 - 21:56 56°	7 158 - 207 04:25 - 21:57 56°	1 152 - 213 04:31 - 21:50 56°	2 153 - 212 04:30 - 21:51 56°	3 154 - 211 04:29 - 21:52 56°	4 155 - 210 04:28 - 21:54 56°	5 156 - 209 04:27 - 21:55 56°
13 164 - 201 04:22 - 22:03 57°	14 165 - 200 04:22 - 22:03 57°	8 159 - 206 04:25 - 21:58 56°	9 160 - 205 04:24 - 21:59 57°	10 161 - 204 04:23 - 22:00 57°	11 162 - 203 04:23 - 22:01 57°	12 163 - 202 04:23 - 22:02 57°
20 171 - 194 04:21 - 22:06 57°	21 172 - 193 04:22 - 22:06 57°	15 166 - 199 04:22 - 22:04 57°	16 167 - 198 04:21 - 22:04 57°	17 168 - 197 04:21 - 22:05 57°	18 169 - 196 04:21 - 22:05 57°	19 170 - 195 04:21 - 22:06 57°
27 178 - 187 04:24 - 22:06 57°	28 179 - 186 04:25 - 22:06 57°	29 180 - 185 04:25 - 22:05 57°	23 174 - 191 04:22 - 22:06 57°	24 175 - 190 04:22 - 22:06 57°	25 176 - 189 04:23 - 22:06 57°	26 177 - 188 04:23 - 22:06 57°

July 2022



Dundee

-2.97°E, 56.46°N

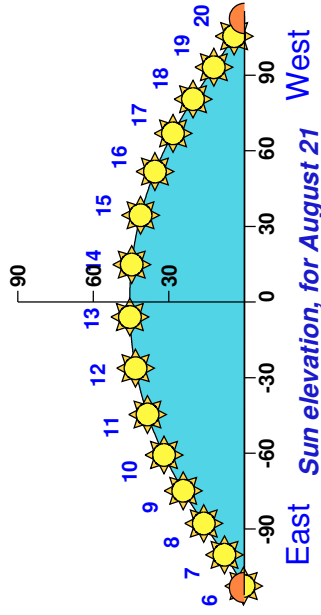


Duration of the day, for July 21

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

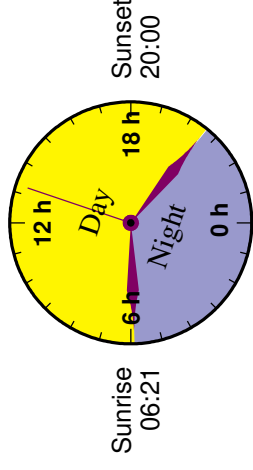
Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday				
26	4	185 - 180 04:30 - 22:03 56°	5	186 - 179 04:31 - 22:02 56°	6	187 - 178 04:32 - 22:01 56°	7	188 - 177 04:33 - 22:00 56°	8	189 - 176 04:34 - 21:59 56°	9	190 - 175 04:35 - 21:58 56°	10	191 - 174 04:37 - 21:57 56°		
	27	11	192 - 173 04:38 - 21:56 56°	12	193 - 172 04:39 - 21:55 55°	13	194 - 171 04:41 - 21:54 55°	14	195 - 170 04:42 - 21:53 55°	15	196 - 169 04:44 - 21:51 55°	16	197 - 168 04:45 - 21:50 55°	17	198 - 167 04:47 - 21:49 55°	
		28	18	199 - 166 04:48 - 21:47 55°	19	200 - 165 04:50 - 21:46 54°	20	201 - 164 04:52 - 21:44 54°	21	202 - 163 04:53 - 21:42 54°	22	203 - 162 04:55 - 21:41 54°	23	204 - 161 04:57 - 21:39 54°	24	205 - 160 04:59 - 21:37 53°
			29	25	206 - 159 05:00 - 21:36 53°	26	207 - 158 05:02 - 21:34 53°	27	208 - 157 05:04 - 21:32 53°	28	209 - 156 05:06 - 21:30 52°	29	210 - 155 05:08 - 21:28 52°	30	211 - 154 05:10 - 21:26 52°	31

August 2022



Dundee

-2.97°E, 56.46°N



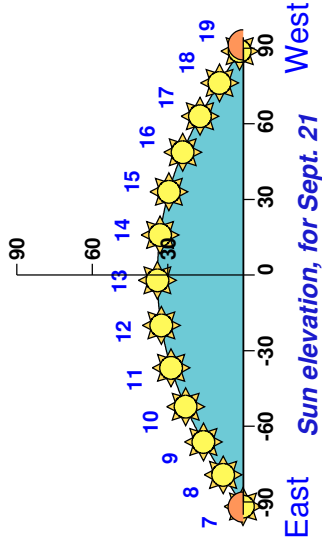
Sun elevation, for August 21

Duration of the day, for August 21

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

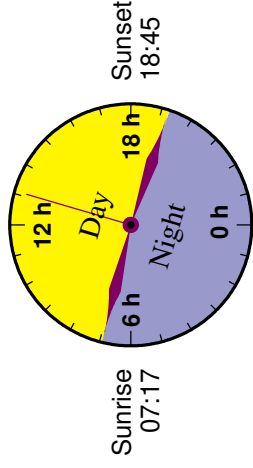
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 213 - 152 05:13 - 21:22 51°	2 214 - 151 05:15 - 21:20 51°	3 215 - 150 05:17 - 21:18 51°	4 216 - 149 05:19 - 21:16 51°	5 217 - 148 05:21 - 21:14 50°	6 218 - 147 05:23 - 21:11 50°	7 219 - 146 05:25 - 21:09 50°
31						
8 220 - 145 05:27 - 21:07 50°	9 221 - 144 05:29 - 21:05 49°	10 222 - 143 05:31 - 21:02 49°	11 223 - 142 05:33 - 21:00 49°	12 224 - 141 05:35 - 20:58 48°	13 225 - 140 05:37 - 20:55 48°	14 226 - 139 05:39 - 20:53 48°
32						
15 227 - 138 05:41 - 20:51 48°	16 228 - 137 05:43 - 20:48 47°	17 229 - 136 05:45 - 20:46 47°	18 230 - 135 05:47 - 20:43 47°	19 231 - 134 05:49 - 20:41 46°	20 232 - 133 05:51 - 20:38 46°	21 233 - 132 05:53 - 20:36 46°
33						
22 234 - 131 05:55 - 20:33 45°	23 235 - 130 05:57 - 20:31 45°	24 236 - 129 05:59 - 20:28 45°	25 237 - 128 06:01 - 20:26 44°	26 238 - 127 06:03 - 20:23 44°	27 239 - 126 06:05 - 20:21 44°	28 240 - 125 06:07 - 20:18 43°
34						
29 241 - 124 06:09 - 20:15 43°	30 242 - 123 06:11 - 20:13 42°	31 243 - 122 06:13 - 20:10 42°				
35						

September 2022



Dundee

-2.97°E, 56.46°N



Duration of the day, for September 21

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

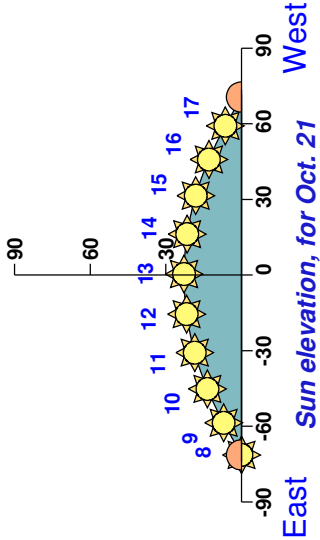
Monday Tuesday Wednesday Thursday Friday Saturday Sunday

35

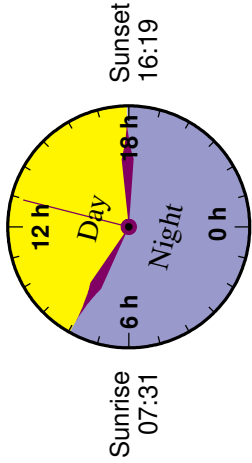
5 248 - 117 06:23 - 19:57 40°	6 249 - 116 06:25 - 19:54 40°	7 250 - 115 06:27 - 19:52 40°	1 244 - 121 06:15 - 20:08 42°	2 245 - 120 06:17 - 20:05 41°	3 246 - 119 06:19 - 20:02 41°	4 247 - 118 06:21 - 20:00 41°
12 255 - 110 06:37 - 19:38 38°	13 256 - 109 06:39 - 19:36 37°	14 257 - 108 06:41 - 19:33 37°	8 251 - 114 06:29 - 19:49 39°	9 252 - 113 06:31 - 19:46 39°	10 253 - 112 06:33 - 19:44 38°	11 254 - 111 06:35 - 19:41 38°
19 262 - 103 06:51 - 19:19 35°	20 263 - 102 06:53 - 19:17 35°	21 264 - 101 06:55 - 19:14 34°	15 258 - 107 06:43 - 19:30 36°	16 259 - 106 06:45 - 19:28 36°	17 260 - 105 06:47 - 19:25 36°	18 261 - 104 06:49 - 19:22 35°
26 269 - 96 07:05 - 19:01 32°	27 270 - 95 07:07 - 18:58 32°	28 271 - 94 07:09 - 18:55 31°	22 265 - 100 06:57 - 19:11 34°	23 266 - 99 06:59 - 19:09 33°	24 267 - 98 07:01 - 19:06 33°	25 268 - 97 07:03 - 19:03 33°

39

October 2022



Dundee
-2.97°E, 56.46°N



Duration of the day, for October 21

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

Time change *October 30*

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
3 276 - 89 07:19 - 18:42 30°	4 277 - 88 07:21 - 18:39 29°	5 278 - 87 07:23 - 18:37 29°	6 279 - 86 07:25 - 18:34 28°	7 280 - 85 07:27 - 18:31 28°	1 274 - 91 07:15 - 18:47 30°	2 275 - 90 07:17 - 18:45 30°
10 283 - 82 07:34 - 18:24 27°	11 284 - 81 07:36 - 18:21 26°	12 285 - 80 07:38 - 18:18 26°	13 286 - 79 07:40 - 18:16 26°	14 287 - 78 07:42 - 18:13 25°	8 281 - 84 07:29 - 18:29 28°	9 282 - 83 07:31 - 18:26 27°
17 290 - 75 07:48 - 18:06 24°	18 291 - 74 07:50 - 18:03 24°	19 292 - 73 07:52 - 18:01 24°	20 293 - 72 07:55 - 17:58 23°	21 294 - 71 07:57 - 17:56 23°	15 288 - 77 07:44 - 18:11 25°	16 289 - 76 07:46 - 18:08 25°
24 297 - 68 08:03 - 17:48 22°	25 298 - 67 08:05 - 17:46 21°	26 299 - 66 08:07 - 17:44 21°	27 300 - 65 08:10 - 17:41 21°	28 301 - 64 08:12 - 17:39 20°	22 295 - 70 07:59 - 17:53 22°	23 296 - 69 08:01 - 17:51 22°
31 304 - 61 07:18 - 16:32 19°					29 302 - 63 08:14 - 17:37 20°	30 303 - 62 07:16 - 16:35 20°

39

40

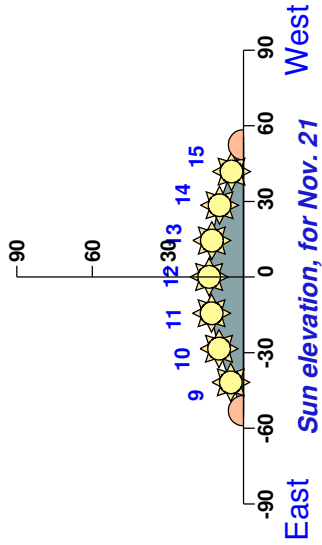
41

42

43

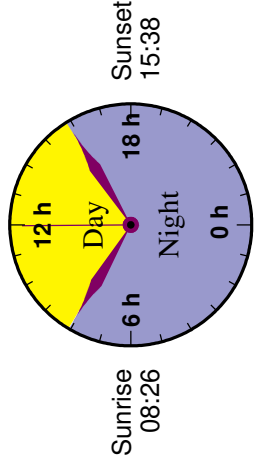
44

November 2022



Dundee

-2.97°E, 56.46°N



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

Duration of the day, for November 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

7 311 - 54 07:33 - 16:17 17°	14 318 - 47 07:48 - 16:04 15°	21 325 - 40 08:03 - 15:52 14°	28 332 - 33 08:16 - 15:43 12°	4 308 - 57 07:27 - 16:24 18°	11 315 - 50 07:42 - 16:09 16°	18 322 - 43 07:57 - 15:57 14°	25 329 - 36 08:11 - 15:47 13°	5 309 - 56 07:29 - 16:21 18°	12 316 - 49 07:44 - 16:07 16°	19 323 - 42 07:59 - 15:55 14°	26 330 - 35 08:13 - 15:46 13°	6 310 - 55 07:31 - 16:19 18°	13 317 - 48 07:46 - 16:06 16°	20 324 - 41 08:01 - 15:54 14°	27 331 - 34 08:14 - 15:44 12°
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Saturday

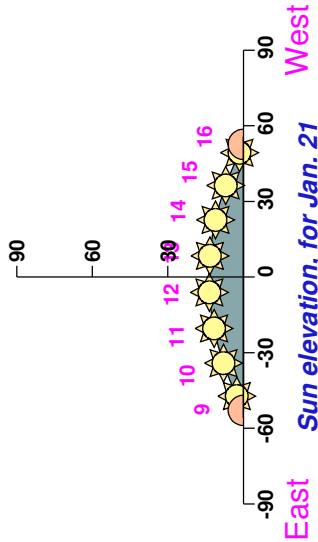
48

50

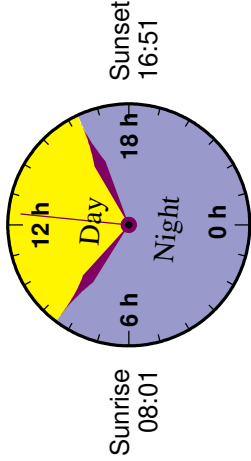
51

52

January 2023



Dundee
-2.97°E, 56.46°N



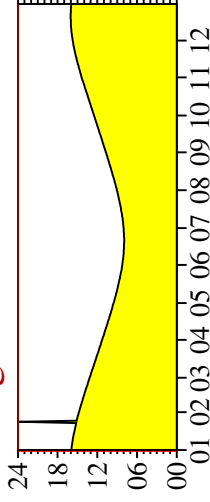
Duration of the day, for January 21

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

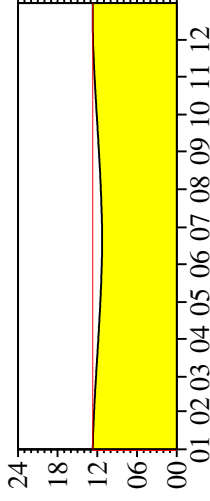
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2 08:46 - 15:46 11°	3 08:46 - 15:47 11°	4 08:45 - 15:49 11°	5 08:45 - 15:50 11°	6 08:44 - 15:52 11°	7 08:44 - 15:53 11°	8 08:43 - 15:55 11°
2	9 08:42 - 15:56 12°	10 08:41 - 15:58 12°	11 08:40 - 16:00 12°	12 08:39 - 16:02 12°	13 08:38 - 16:03 12°	14 08:37 - 16:05 12°	15 08:36 - 16:07 12°
3	16 08:35 - 16:09 13°	17 08:34 - 16:11 13°	18 08:32 - 16:13 13°	19 08:31 - 16:15 13°	20 08:30 - 16:17 13°	21 08:28 - 16:19 14°	22 08:27 - 16:21 14°
4	23 08:25 - 16:23 14°	24 08:24 - 16:25 14°	25 08:22 - 16:27 15°	26 08:20 - 16:29 15°	27 08:19 - 16:32 15°	28 08:17 - 16:34 15°	29 08:15 - 16:36 16°
5	30 08:13 - 16:38 16°	31 08:11 - 16:40 16°					

Day duration for any cities for 2021

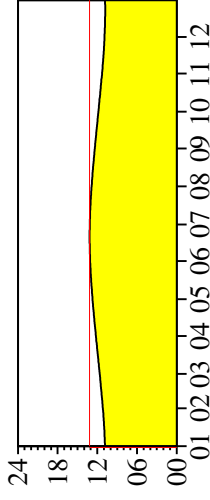
Kerguelen 69.33°E, -49.33°N



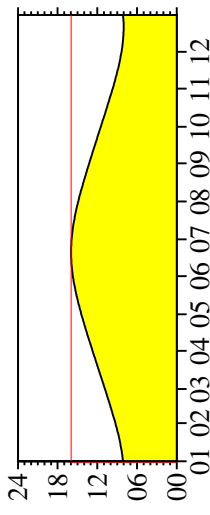
Lima -77.03°E, -12.05°N



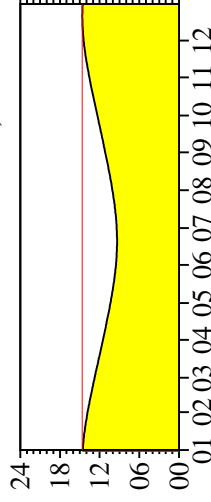
Mexico -99.13°E, 19.43°N



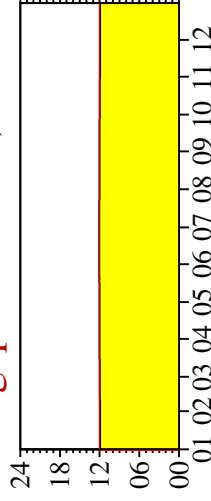
Paris 2.35°E, 48.86°N



Melbourne 144.97°E, -37.81°N



Singapour 103.85°E, 1.03°N



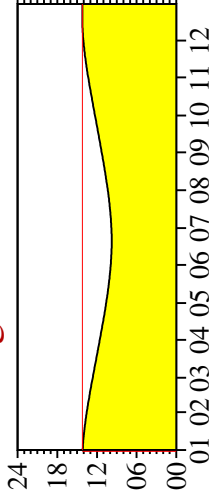
Miami -80.22°E, 25.78°N



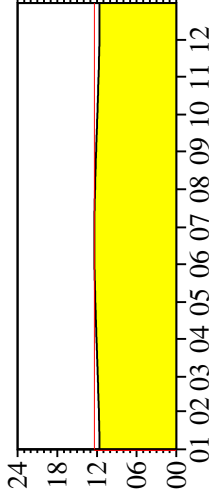
Oslo 10.75°E, 59.92°N



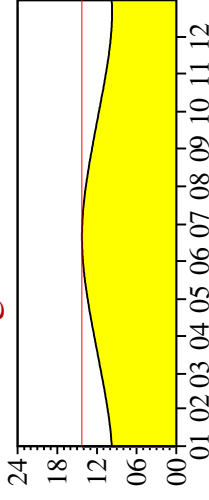
Santiago -70.65°E, -33.43°N



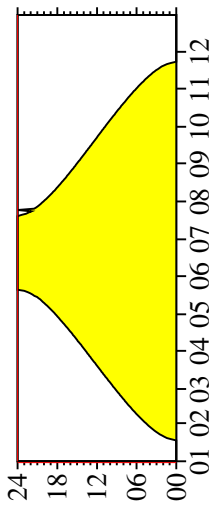
Colombo 79.83°E, 6.92°N



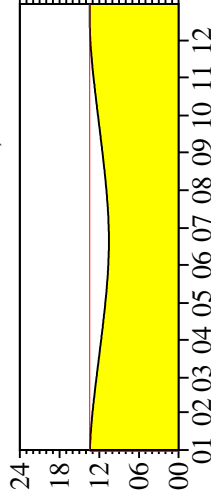
Los Angeles -118.24°E, 34.05°N



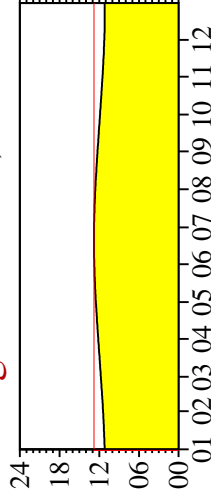
Tromso 18.97°E, 69.66°N



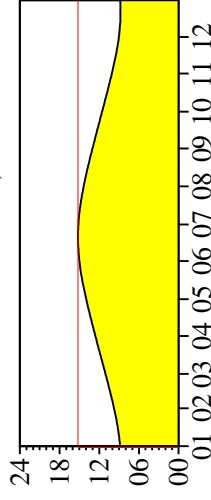
Sao Paulo -46.63°E, -23.55°N



Bangkok 100.49°E, 13.75°N



Marseille 5.38°E, 43.3°N



Ny Alesund 11.92°E, 78.92°N

