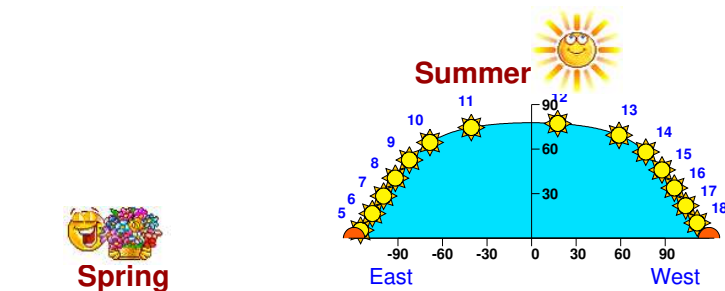


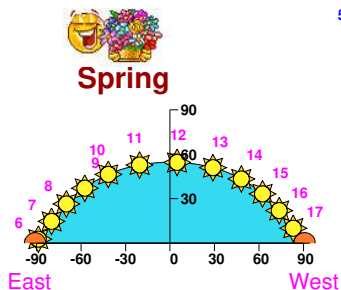
Sun Calendar 2018

Produced by *ScientiDev*
www.scientidev.fr

Tokyo
139.58°E, 35.61°N



June 21

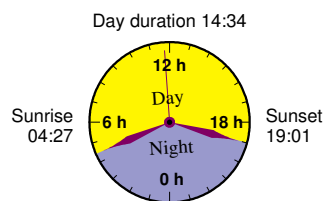


March 21

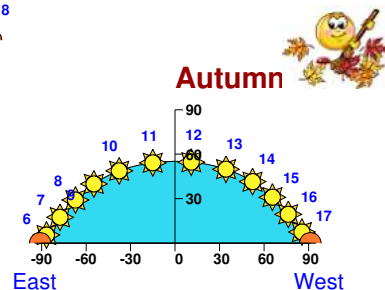
Day duration 12:11



Spring Equinox

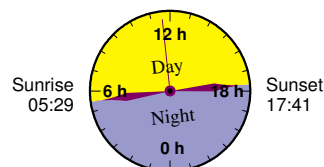


Summer Solstice

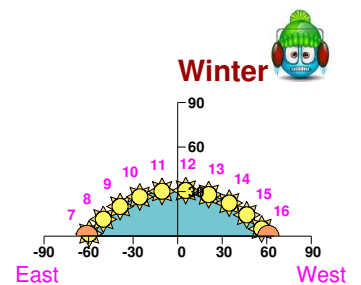


Sept. 21

Day duration 12:12



Autumn Equinox



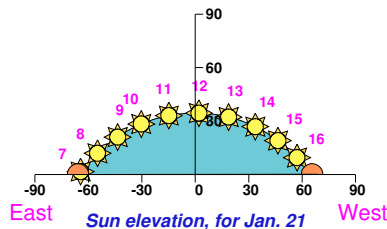
Dec. 21

Day duration 9:44

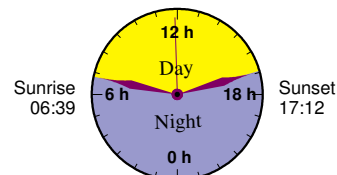


Winter Solstice

January 2018



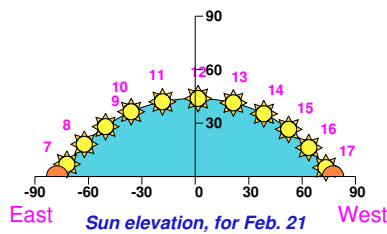
Tokyo
139.58°E, 35.61°N



Duration of the day, for January 21

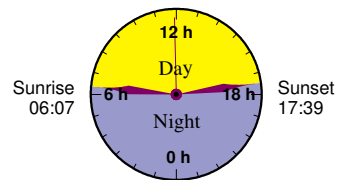
Sunrise and Sunset at Tokyo (TL ± 1 mn) and sun maximal elevation (°)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	1 1 - 364 06:52 - 16:39 31° 	2 2 - 363 06:52 - 16:40 31° 	3 3 - 362 06:52 - 16:41 32° 	4 4 - 361 06:52 - 16:42 32° 	5 5 - 360 06:52 - 16:42 32° 	6 6 - 359 06:52 - 16:43 32° 	7 7 - 358 06:52 - 16:44 32°
2	8 8 - 357 06:52 - 16:45 32° 	9 9 - 356 06:52 - 16:46 32° 	10 10 - 355 06:52 - 16:47 32° 	11 11 - 354 06:52 - 16:48 33° 	12 12 - 353 06:51 - 16:49 33° 	13 13 - 352 06:51 - 16:50 33° 	14 14 - 351 06:51 - 16:51 33°
3	15 15 - 350 06:51 - 16:52 33° 	16 16 - 349 06:50 - 16:53 33° 	17 17 - 348 06:50 - 16:54 34° 	18 18 - 347 06:50 - 16:55 34° 	19 19 - 346 06:49 - 16:56 34° 	20 20 - 345 06:49 - 16:57 34° 	21 21 - 344 06:48 - 16:58 34°
4	22 22 - 343 06:48 - 16:59 35° 	23 23 - 342 06:47 - 17:00 35° 	24 24 - 341 06:47 - 17:01 35° 	25 25 - 340 06:46 - 17:02 35° 	26 26 - 339 06:46 - 17:03 36° 	27 27 - 338 06:45 - 17:04 36° 	28 28 - 337 06:44 - 17:05 36°
5	29 29 - 336 06:44 - 17:06 36° 	30 30 - 335 06:43 - 17:07 37° 	31 31 - 334 06:42 - 17:08 37° 				



February 2018

Tokyo
139.58°E, 35.61°N



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

Duration of the day, for February 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

5

6

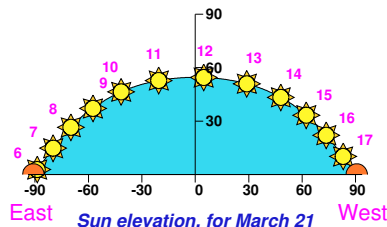
7

8

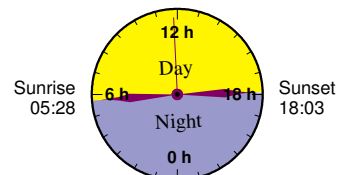
9

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

March 2018



Tokyo
139.58°E, 35.61°N



Duration of the day, for March 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

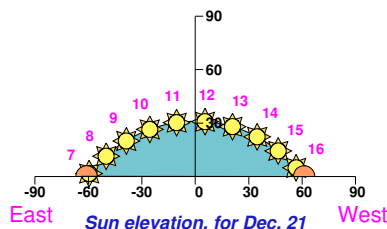
Saturday

Sunday

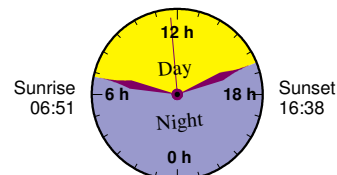
			1 60 - 305 06:11 - 17:37 47°	2 61 - 304 06:10 - 17:37 47°	3 62 - 303 06:09 - 17:38 48°	4 63 - 302 06:07 - 17:39 48°
5 64 - 301 06:06 - 17:40 48°	6 65 - 300 06:05 - 17:41 49°	7 66 - 299 06:03 - 17:42 49°	8 67 - 298 06:02 - 17:43 49°	9 68 - 297 06:00 - 17:44 50°	10 69 - 296 05:59 - 17:45 50°	11 70 - 295 05:58 - 17:45 51°
12 71 - 294 05:56 - 17:46 51°	13 72 - 293 05:55 - 17:47 51°	14 73 - 292 05:53 - 17:48 52°	15 74 - 291 05:52 - 17:49 52°	16 75 - 290 05:51 - 17:50 53°	17 76 - 289 05:49 - 17:51 53°	18 77 - 288 05:48 - 17:51 53°
19 78 - 287 05:46 - 17:52 54°	20 79 - 286 05:45 - 17:53 54°	21 80 - 285 05:43 - 17:54 55°	22 81 - 284 05:42 - 17:55 55°	23 82 - 283 05:41 - 17:56 55°	24 83 - 282 05:39 - 17:56 56°	25 84 - 281 05:38 - 17:57 56°
26 85 - 280 05:36 - 17:58 57°	27 86 - 279 05:35 - 17:59 57°	28 87 - 278 05:33 - 18:00 57°	29 88 - 277 05:32 - 18:01 58°	30 89 - 276 05:31 - 18:01 58°	31 90 - 275 05:29 - 18:02 58°	

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December 2018



Tokyo
139.58°E, 35.61°N



Duration of the day, for December 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

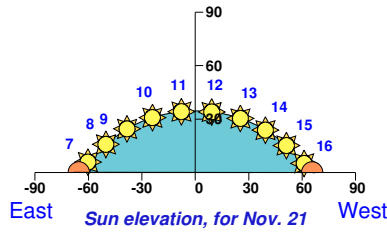
Sunday

1 335 - 30 06:33 - 16:29 33°	2 336 - 29 06:34 - 16:29 32°
3 337 - 28 06:35 - 16:29 32°	4 338 - 27 06:36 - 16:28 32°
5 339 - 26 06:37 - 16:28 32°	6 340 - 25 06:38 - 16:28 32°
7 341 - 24 06:38 - 16:28 32°	8 342 - 23 06:39 - 16:28 32°
9 343 - 22 06:40 - 16:29 32°	10 344 - 21 06:41 - 16:29 32°
11 345 - 20 06:42 - 16:29 31°	12 346 - 19 06:42 - 16:29 31°
13 347 - 18 06:43 - 16:29 31°	14 348 - 17 06:44 - 16:30 31°
15 349 - 16 06:44 - 16:30 31°	16 350 - 15 06:45 - 16:30 31°
17 351 - 14 06:46 - 16:30 31°	18 352 - 13 06:46 - 16:31 31°
19 353 - 12 06:47 - 16:31 31°	20 354 - 11 06:47 - 16:32 31°
21 355 - 10 06:48 - 16:32 31°	22 356 - 9 06:48 - 16:33 31°
23 357 - 8 06:49 - 16:33 31°	24 358 - 7 06:49 - 16:34 31°
25 359 - 6 06:50 - 16:34 31°	26 360 - 5 06:50 - 16:35 31°
27 361 - 4 06:50 - 16:36 31°	28 362 - 3 06:51 - 16:36 31°
29 363 - 2 06:51 - 16:37 31°	30 364 - 1 06:51 - 16:38 31°

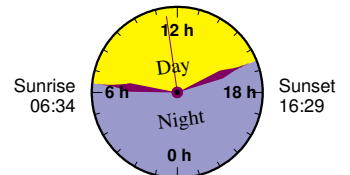
31 365 - 0 06:51 - 16:38 31°

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November 2018



Tokyo
139.58°E, 35.61°N



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

Duration of the day, for November 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 305 - 60
06:04 - 16:47 40°

2 306 - 59
06:05 - 16:46 40°

3 307 - 58
06:06 - 16:45 39°

4 308 - 57
06:07 - 16:44 39°

5 309 - 56
06:08 - 16:43 39°

6 310 - 55
06:09 - 16:42 38°

7 311 - 54
06:10 - 16:42 38°

8 312 - 53
06:11 - 16:41 38°

9 313 - 52
06:12 - 16:40 38°

10 314 - 51
06:13 - 16:39 37°

11 315 - 50
06:14 - 16:38 37°

12 316 - 49
06:15 - 16:38 37°

13 317 - 48
06:16 - 16:37 36°

14 318 - 47
06:17 - 16:36 36°

15 319 - 46
06:18 - 16:35 36°

16 320 - 45
06:19 - 16:35 36°

17 321 - 44
06:20 - 16:34 35°

18 322 - 43
06:21 - 16:34 35°

19 323 - 42
06:22 - 16:33 35°

20 324 - 41
06:23 - 16:32 35°

21 325 - 40
06:24 - 16:32 35°

22 326 - 39
06:25 - 16:32 34°

23 327 - 38
06:26 - 16:31 34°

24 328 - 37
06:27 - 16:31 34°

25 329 - 36
06:28 - 16:30 34°

26 330 - 35
06:29 - 16:30 34°

27 331 - 34
06:30 - 16:30 33°

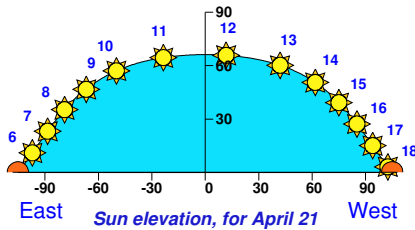
28 332 - 33
06:31 - 16:29 33°

29 333 - 32
06:32 - 16:29 33°

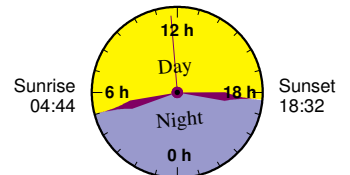
30 334 - 31
06:32 - 16:29 33°

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

April 2018



Tokyo
139.58°E, 35.61°N



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

Duration of the day, for April 21

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

1 91 - 274
05:28 - 18:03 59°

2 92 - 273
05:26 - 18:04 59°

3 93 - 272
05:25 - 18:05 60°

4 94 - 271
05:24 - 18:06 60°

5 95 - 270
05:22 - 18:06 60°

6 96 - 269
05:21 - 18:07 61°

7 97 - 268
05:19 - 18:08 61°

8 98 - 267
05:18 - 18:09 62°

9 99 - 266
05:17 - 18:10 62°

10 100 - 265
05:15 - 18:10 62°

11 101 - 264
05:14 - 18:11 63°

12 102 - 263
05:13 - 18:12 63°

13 103 - 262
05:11 - 18:13 63°

14 104 - 261
05:10 - 18:14 64°

15 105 - 260
05:09 - 18:15 64°

16 106 - 259
05:07 - 18:15 64°

17 107 - 258
05:06 - 18:16 65°

18 108 - 257
05:05 - 18:17 65°

19 109 - 256
05:04 - 18:18 66°

20 110 - 255
05:02 - 18:19 66°

21 111 - 254
05:01 - 18:20 66°

22 112 - 253
05:00 - 18:20 67°

23 113 - 252
04:59 - 18:21 67°

24 114 - 251
04:57 - 18:22 67°

25 115 - 250
04:56 - 18:23 68°

26 116 - 249
04:55 - 18:24 68°

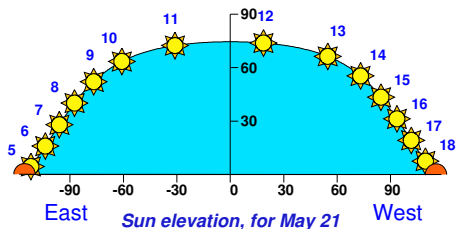
27 117 - 248
04:54 - 18:25 68°

28 118 - 247
04:53 - 18:25 68°

29 119 - 246
04:52 - 18:26 69°

30 120 - 245
04:51 - 18:27 69°

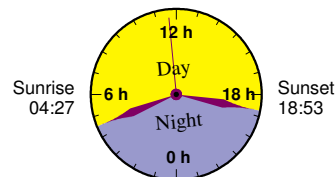
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



May 2018

Tokyo

139.58°E, 35.61°N



Duration of the day, for May 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

18

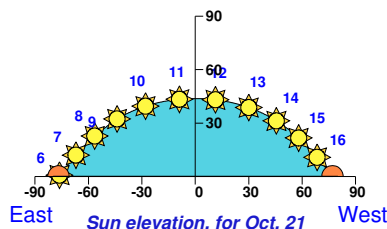
19

20

21

22

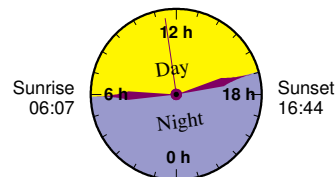
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



October 2018

Tokyo

139.58°E, 35.61°N



Duration of the day, for October 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

40

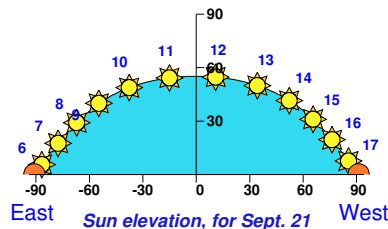
41

42

43

44

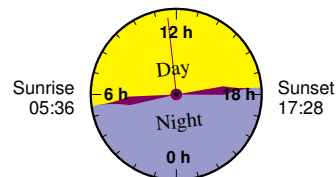
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



September 2018

Tokyo

139.58°E, 35.61°N



Duration of the day, for September 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

35

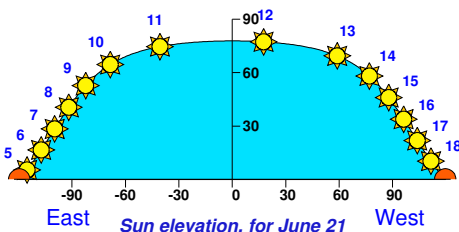
36

37

38

39

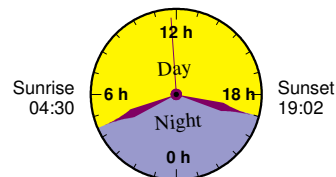
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June 2018

Tokyo

139.58°E, 35.61°N



Duration of the day, for June 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

22

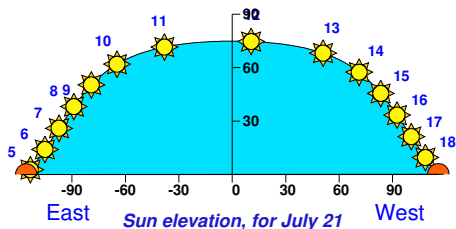
23

24

25

26

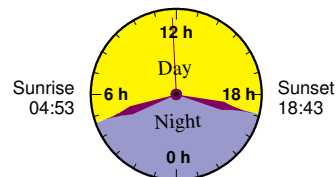
Sun Calendar © P. Robert / ScientiDev, Déc. 2014



July 2018

Tokyo

139.58°E, 35.61°N



Duration of the day, for July 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

26

27

28

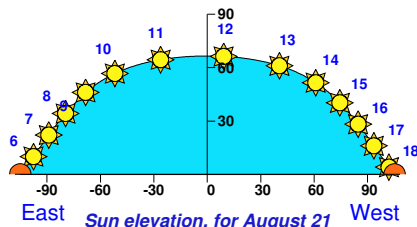
29

30

31

						1 182 - 183 04:30 - 19:02 78°
2 183 - 182 04:31 - 19:01 77° 	3 184 - 181 04:31 - 19:01 77° 	4 185 - 180 04:31 - 19:01 77° 	5 186 - 179 04:32 - 19:01 77° 	6 187 - 178 04:33 - 19:01 77° 	7 188 - 177 04:33 - 19:01 77° 	8 189 - 176 04:34 - 19:00 77°
9 190 - 175 04:34 - 19:00 77° 	10 191 - 174 04:35 - 19:00 77° 	11 192 - 173 04:35 - 19:00 77° 	12 193 - 172 04:36 - 18:59 76° 	13 194 - 171 04:37 - 18:59 76° 	14 195 - 170 04:37 - 18:58 76° 	15 196 - 169 04:38 - 18:58 76°
16 197 - 168 04:39 - 18:58 76° 	17 198 - 167 04:39 - 18:57 76° 	18 199 - 166 04:40 - 18:56 75° 	19 200 - 165 04:41 - 18:56 75° 	20 201 - 164 04:41 - 18:55 75° 	21 202 - 163 04:42 - 18:55 75° 	22 203 - 162 04:43 - 18:54 75°
23 204 - 161 04:44 - 18:53 74° 	24 205 - 160 04:44 - 18:53 74° 	25 206 - 159 04:45 - 18:52 74° 	26 207 - 158 04:46 - 18:51 74° 	27 208 - 157 04:47 - 18:51 74° 	28 209 - 156 04:47 - 18:50 73° 	29 210 - 155 04:48 - 18:49 73°
30 211 - 154 04:49 - 18:48 73° 	31 212 - 153 04:50 - 18:47 73° 					

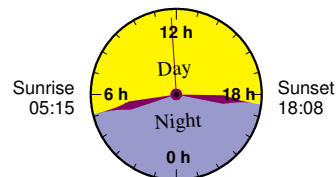
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August 2018

Tokyo

139.58°E, 35.61°N



Duration of the day, for August 21

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

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

31

32

33

34

35

			1 213 - 152 04:50 - 18:46 72° 	2 214 - 151 04:51 - 18:45 72° 	3 215 - 150 04:52 - 18:45 72° 	4 216 - 149 04:53 - 18:44 72° 	5 217 - 148 04:53 - 18:43 71°
6 218 - 147 04:54 - 18:42 71° 	7 219 - 146 04:55 - 18:41 71° 	8 220 - 145 04:56 - 18:40 71° 	9 221 - 144 04:57 - 18:39 70° 	10 222 - 143 04:57 - 18:37 70° 	11 223 - 142 04:58 - 18:36 70° 	12 224 - 141 04:59 - 18:35 69° 	
13 225 - 140 05:00 - 18:34 69° 	14 226 - 139 05:00 - 18:33 69° 	15 227 - 138 05:01 - 18:32 68° 	16 228 - 137 05:02 - 18:31 68° 	17 229 - 136 05:03 - 18:29 68° 	18 230 - 135 05:04 - 18:28 68° 	19 231 - 134 05:04 - 18:27 67° 	
20 232 - 133 05:05 - 18:26 67° 	21 233 - 132 05:06 - 18:25 67° 	22 234 - 131 05:07 - 18:23 66° 	23 235 - 130 05:07 - 18:22 66° 	24 236 - 129 05:08 - 18:21 66° 	25 237 - 128 05:09 - 18:19 65° 	26 238 - 127 05:10 - 18:18 65° 	
27 239 - 126 05:10 - 18:17 65° 	28 240 - 125 05:11 - 18:15 64° 	29 241 - 124 05:12 - 18:14 64° 	30 242 - 123 05:13 - 18:13 63° 	31 243 - 122 05:14 - 18:11 63° 			

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