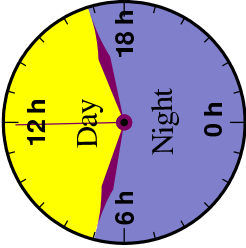
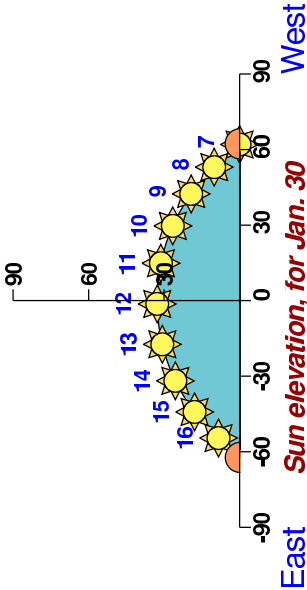


Sun Diary 2014

© Patrick ROBERT, PatCie, Déc. 2012

Week 1

Dec. - Jan. 2015



Pasadena
-118.14°E, 34.14°N

Duration of the day, for Dec. 29

Monday 30

Tuesday 31

Wednesday 1

Thursday 2

Friday 2

Saturday 3

Sunday 4

Sunrise and Sunset at Pasadena (TL ± 1 mn)

363 - 2
06:58 - 16:52

363 - 2
06:58 - 16:53

363 - 2
06:59 - 16:54

363 - 2
06:59 - 16:54

362 - 3
06:59 - 16:54

362 - 3
06:59 - 16:55

362 - 3
06:59 - 16:56

9:54

+1 m.

33°

9:54

+1 m.

33°

9:55

+2 m.

33°

9:55

+2 m.

33°

9:55

+2 m.

33°

9:56

+3 m.

33°

9:56

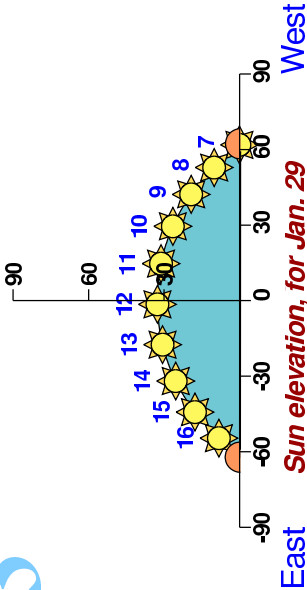
+3 m.

33°

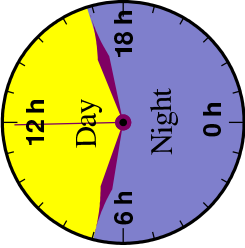
Duration of the day - Variation - Sun maximal elevation (°)

Week 53

Dec. - Jan. 2014



Pasadena
-118.14°E, 34.14°N



Duration of the day, for Dec. 30

Monday 29

Tuesday 30

Wednesday 31

Thursday 1

Friday 3

Saturday 4

Sunday 5

Sunrise and Sunset at Pasadena (TL ± 1 mn)

362 - 3

06:58 - 16:51

362 - 3

06:58 - 16:52

362 - 3

06:58 - 16:53

362 - 3

06:59 - 16:53

363 - 2

06:59 - 16:55

363 - 2

06:59 - 16:56

363 - 2

06:59 - 16:57

9:53

+0 m.

33°

9:54

+1 m.

33°

9:54

+1 m.

33°

9:54

+1 m.

33°

9:56

+3 m.

33°

9:56

+3 m.

33°

9:57

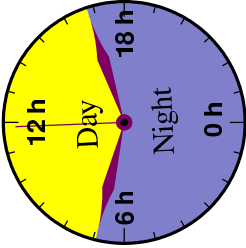
+4 m.

33°

Duration of the day - Variation - Sun maximal elevation (°)

Week 2

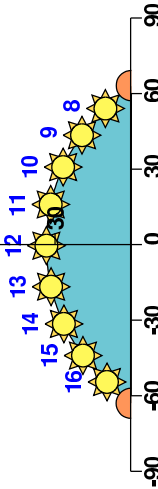
December 2014



Pasadena

-118.14°E, 34.14°N

East Sun elevation, for Jan. 6 West



Duration of the day, for Dec. 22

Monday 6

Tuesday 7

Wednesday 8

Thursday 9

Friday 26

Saturday 27

Sunday 28

Sunrise and Sunset at Pasadena (TL ± 1 mn)

5 - 360

06:59 - 16:58

5 - 360

06:59 - 16:58

5 - 360

06:59 - 16:59

5 - 360

06:59 - 17:00

355 - 10

06:57 - 16:49

355 - 10

06:57 - 16:50

355 - 10

06:58 - 16:51

9:58

+1 m.

33°

9:59

+2 m.

34°

10:00

+3 m.

34°

10:01

+4 m.

34°

9:52

+0 m.

33°

9:52

+0 m.

33°

9:53

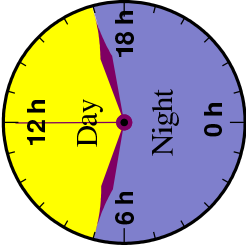
+1 m.

33°

Duration of the day - Variation - Sun maximal elevation (°)

Week 52

January 2014

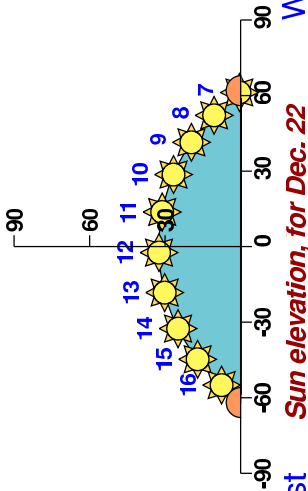


Pasadena

-118.14°E, 34.14°N

East Sun elevation, for Dec. 22

Duration of the day, for Jan. 6



Monday 22

Tuesday

23

Wednesday

24

Thursday

25

Friday

10

Saturday

11

Sunday

12

Sunrise and Sunset at Pasadena (TL ± 1 mn)

355 - 10

06:55 - 16:47

355 - 10

06:56 - 16:48

355 - 10

06:56 - 16:48

355 - 10

06:56 - 16:49

5 - 360

06:59 - 17:01

5 - 360

06:59 - 17:02

5 - 360

06:59 - 17:03

9:52

+0 m.

32°

9:52

+0 m.

32°

9:52

+0 m.

32°

9:52

+0 m.

33°

10:02

+5 m.

34°

10:03

+6 m.

34°

10:04

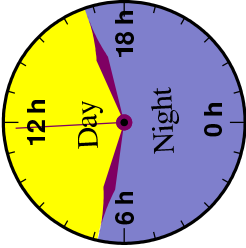
+7 m.

34°

Duration of the day - Variation - Sun maximal elevation (°)

Week **3**

December 2014



Pasadena

-118.14°E, 34.14°N

East **Sun elevation, for Jan. 13** West

Duration of the day, for Dec. 13

Monday **13**

Tuesday **14**

Wednesday **15**

Thursday **16**

Friday **19**

Saturday **20**

Sunday **21**

Sunrise and Sunset at Pasadena (TL ± 1 mn)

12 - 353

06:59 - 17:04

12 - 353

06:58 - 17:05

12 - 353

06:58 - 17:06

12 - 353

06:58 - 17:06

348 - 17

06:54 - 16:46

348 - 17

06:54 - 16:46

348 - 17

06:55 - 16:47

10:05

+1 m.

35°

10:06

+2 m.

35°

10:07

+3 m.

35°

10:08

+4 m.

35°

9:52

-1 m.

32°

9:52

-1 m.

32°

9:52

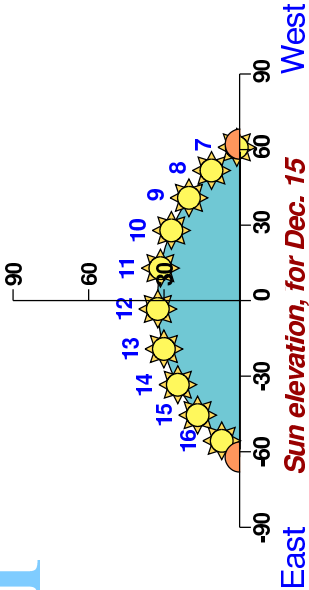
-1 m.

32°

Duration of the day - Variation - Sun maximal elevation (°)

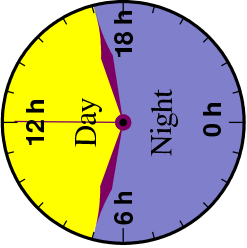
Week 51

January 2014



Pasadena

-118.14°E, 34.14°N



Duration of the day, for Jan. 13

Monday 15

Tuesday 16

Wednesday 17

Thursday 18

Friday 17

Saturday 18

Sunday 19

Sunrise and Sunset at Pasadena (TL ± 1 mn)

348 - 17

06:51 - 16:44

348 - 17

06:52 - 16:45

348 - 17

06:52 - 16:45

348 - 17

06:53 - 16:45

12 - 353

06:58 - 17:07

12 - 353

06:57 - 17:08

12 - 353

06:57 - 17:09

9:53

+0 m.

33°

9:53

+0 m.

33°

9:52

-1 m.

33°

9:52

-1 m.

32°

10:10

+6 m.

35°

10:11

+7 m.

35°

10:12

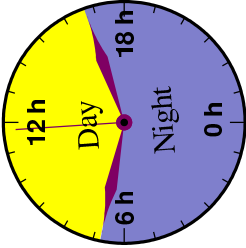
+8 m.

36°

Duration of the day - Variation - Sun maximal elevation (°)

Week 4

December 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Jan. 20 West

Duration of the day, for Dec. 8

Monday 20

Tuesday 21

Wednesday 22

Thursday 23

Friday 12

Saturday 13

Sunday 14

Sunrise and Sunset at Pasadena (TL ± 1 mn)

19 - 346
06:57 - 17:10

19 - 346
06:56 - 17:11

19 - 346
06:56 - 17:12

19 - 346
06:55 - 17:13

341 - 24
06:49 - 16:44

341 - 24
06:50 - 16:44

341 - 24
06:51 - 16:44

10:14

+2 m.

36°

10:15

+3 m.

36°

10:17

+5 m.

36°

10:18

+6 m.

37°

9:54

-3 m.

33°

9:54

-3 m.

33°

9:53

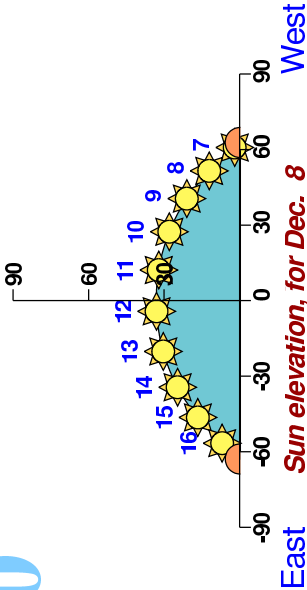
-4 m.

33°

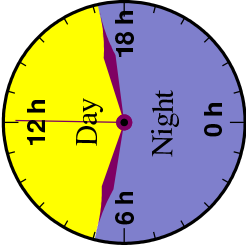
Duration of the day - Variation - Sun maximal elevation (°)

Week 50

January 2014



Pasadena
-118.14°E, 34.14°N



Duration of the day, for Jan. 2014

Monday 8

Tuesday 9

Wednesday 10

Thursday 11

Friday 24

Saturday 25

Sunday 26

Sunrise and Sunset at Pasadena (TL ± 1 mn)

341 - 24
06:46 - 16:43

341 - 24
06:47 - 16:43

341 - 24
06:48 - 16:43

341 - 24
06:48 - 16:43

19 - 346
06:55 - 17:14

19 - 346
06:54 - 17:15

19 - 346
06:54 - 17:16

9:57

+0 m.

33°

9:56

-1 m.

33°

9:55

-2 m.

33°

9:55

-2 m.

33°

10:19

+7 m.

37°

10:21

+9 m.

37°

10:23

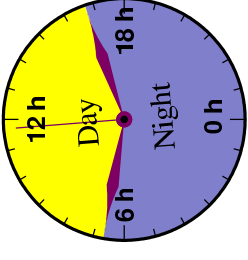
+11 m.

37°

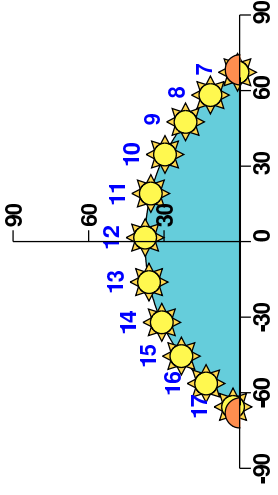
Duration of the day - Variation - Sun maximal elevation (°)

Week 5

December 2014

Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Feb. 27 West



Duration of the day, for Dec. 1

Monday 27

Tuesday
28

Wednesday

30 Thursday

Friday

Saturday

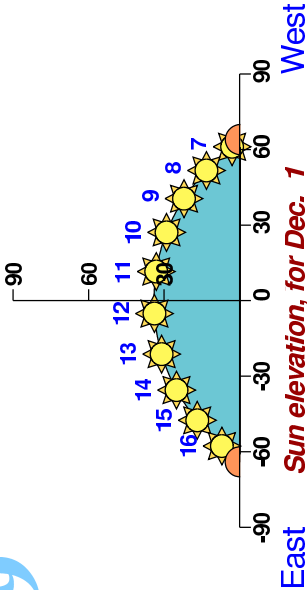
7 Sunday

Sunrise and Sunset at Pasadena ($TL \pm 1\text{ mn}$)

26 - 339 06:53 - 17:17	26 - 339 06:53 - 17:18	26 - 339 06:52 - 17:19	26 - 339 06:51 - 17:20	334 - 31 06:44 - 16:43	334 - 31 06:45 - 16:43	334 - 31 06:45 - 16:43
10:24 +1 m.	10:26 +3 m.	10:27 +4 m.	10:29 +6 m.	9:59 -5 m.	9:58 -6 m.	9:57 -7 m.
38°	38°	38°	38°	33°	33°	33°

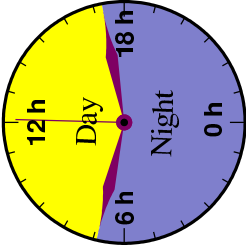
Week **49**

Jan. - Feb. 2014



Pasadena

-118.14°E, 34.14°N



Duration of the day, for Jan. 27

Monday 1

Tuesday 2

Wednesday 3

Thursday 4

Friday 31

Saturday 1

Sunday 2

Sunrise and Sunset at Pasadena (TL ± 1 mn)

334 - 31

06:40 - 16:43

334 - 31

06:41 - 16:43

334 - 31

06:42 - 16:43

334 - 31

06:43 - 16:43

26 - 339

06:51 - 17:21

26 - 339

06:50 - 17:22

26 - 339

06:49 - 17:23

10:03

-1 m.

34°

10:02

-2 m.

34°

10:01

-3 m.

34°

10:00

-4 m.

34°

10:31

+8 m.

39°

10:32

+9 m.

39°

10:34

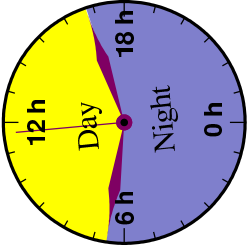
+11 m.

39°

Duration of the day - Variation - Sun maximal elevation (°)

Week 6

November 2014

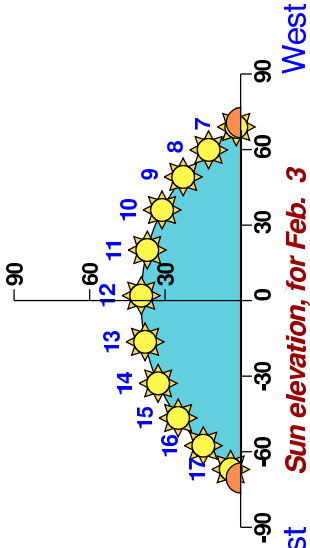


Pasadena

-118.14°E, 34.14°N

East Sun elevation, for Feb. 3

Duration of the day, for Nov. 24



Monday 3

Tuesday 4

Wednesday 5

Thursday 6

Friday 28

Saturday 29

Sunday 30

Sunrise and Sunset at Pasadena (TL ± 1 mn)

33 - 332
06:48 - 17:24

33 - 332
06:48 - 17:25

33 - 332
06:47 - 17:26

33 - 332
06:46 - 17:27

327 - 38
06:38 - 16:44

327 - 38
06:39 - 16:44

327 - 38
06:39 - 16:43

10:36

+2 m.

40°

10:38

+4 m.

40°

10:39

+5 m.

40°

10:41

+7 m.

40°

10:06

-6 m.

34°

10:05

-7 m.

34°

10:04

-8 m.

34°

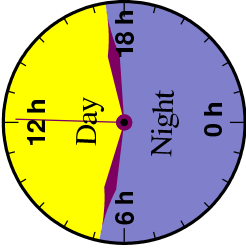
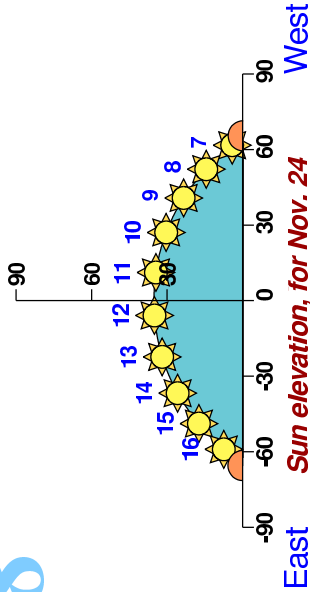
Duration of the day - Variation - Sun maximal elevation (°)

Week
48

February 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Feb. 27

Monday
24

Tuesday
25

Wednesday
26

Thursday
27

Friday
7

Saturday
8

Sunday
9

Sunrise and Sunset at Pasadena (TL ± 1 mn)

327 - 38
06:34 - 16:45

327 - 38
06:35 - 16:45

327 - 38
06:36 - 16:44

327 - 38
06:37 - 16:44

33 - 332
06:45 - 17:28

33 - 332
06:44 - 17:29

33 - 332
06:43 - 17:30

10:11

-1 m.

35°

10:10

-2 m.

35°

10:08

-4 m.

35°

10:07

-5 m.

35°

10:43

+9 m.

41°

10:45

+11 m.

41°

10:47

+13 m.

41°

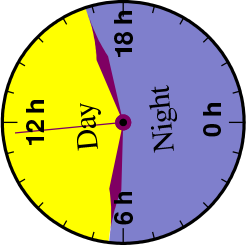
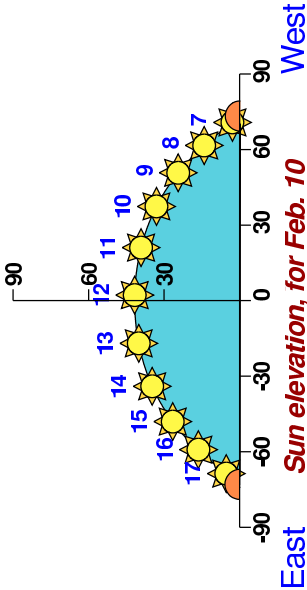
Duration of the day - Variation - Sun maximal elevation (°)

Week 7

November 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Nov. 17

Monday 10

Tuesday 11

Wednesday 12

Thursday 13

Friday 21

Saturday 22

Sunday 23

Sunrise and Sunset at Pasadena (TL ± 1 mn)

40 - 325
06:42 - 17:31

40 - 325
06:41 - 17:32

40 - 325
06:40 - 17:33

40 - 325
06:39 - 17:34

320 - 45
06:31 - 16:46

320 - 45
06:32 - 16:46

320 - 45
06:33 - 16:45

10:49

+2 m.

42°

10:51

+4 m.

42°

10:53

+6 m.

42°

10:55

+8 m.

43°

10:15

-7 m.

36°

10:14

-8 m.

36°

10:12

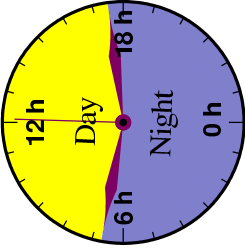
-10 m.

35°

Duration of the day - Variation - Sun maximal elevation (°)

Week 47

February 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Nov. 17 West

Duration of the day, for Feb. 10

Monday 17

Tuesday

18

Wednesday

19

Thursday

20

Friday

14

Saturday

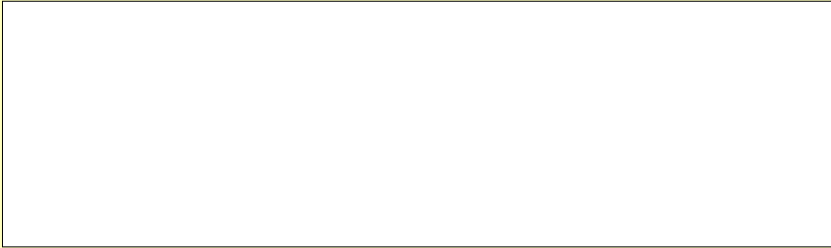
15

Sunday

16

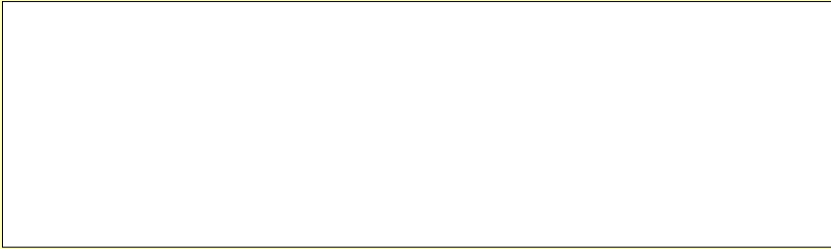
Sunrise and Sunset at Pasadena (TL ± 1 mn)

320 - 45
06:27 - 16:48



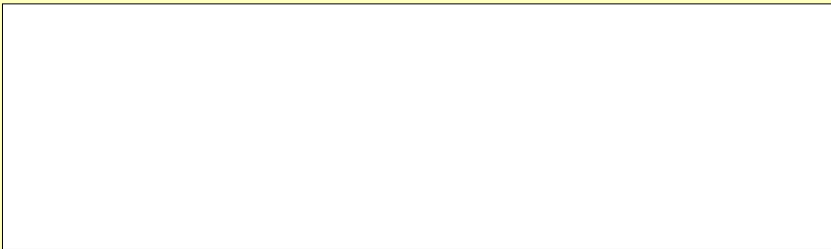
10:21 -1 m. 37°

320 - 45
06:28 - 16:48



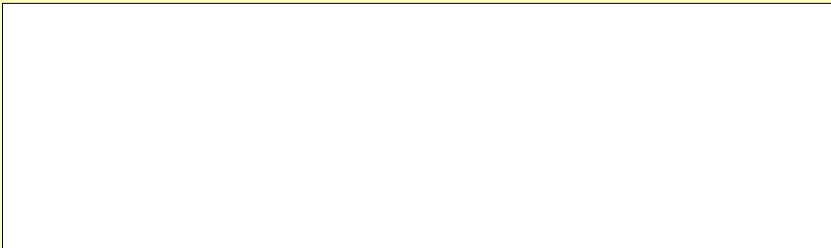
10:19 -3 m. 37°

320 - 45
06:29 - 16:47



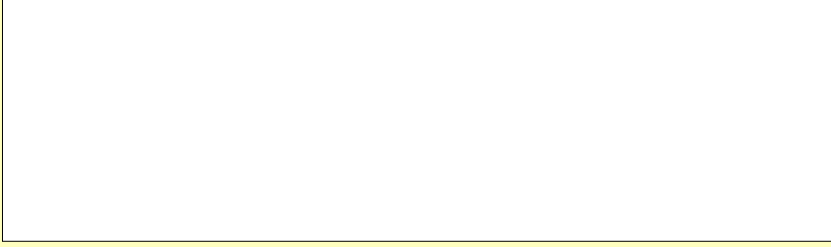
10:18 -4 m. 36°

320 - 45
06:30 - 16:47



10:16 -6 m. 36°

40 - 325
06:38 - 17:35



10:56 +9 m. 43°

40 - 325
06:37 - 17:36



10:58 +11 m. 43°

40 - 325
06:36 - 17:37



11:00 +13 m. 44°

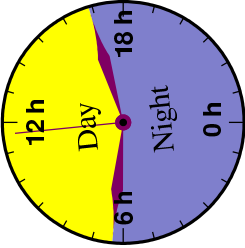
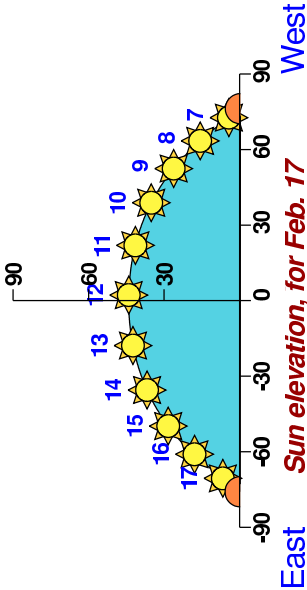
Duration of the day - Variation - Sun maximal elevation (°)

Week 8

November 2014

Pasadena

-118.14°E, 34.14°N



East Sun elevation, for Feb. 17 West

Duration of the day, for Nov. 10

Monday 17

Tuesday 18

Wednesday 19

Thursday 20

Friday 14

Saturday 15

Sunday 16

Sunrise and Sunset at Pasadena (TL ± 1 mn)

47 - 318
06:35 - 17:38

47 - 318
06:34 - 17:39

47 - 318
06:33 - 17:39

47 - 318
06:32 - 17:40

313 - 52
06:25 - 16:50

313 - 52
06:26 - 16:49

313 - 52
06:27 - 16:49

11:02

+2 m.

44°

11:04

+4 m.

44°

11:06

+6 m.

45°

11:08

+8 m.

45°

10:26

-8 m.

38°

10:24

-10 m.

37°

10:22

-12 m.

37°

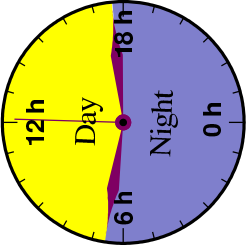
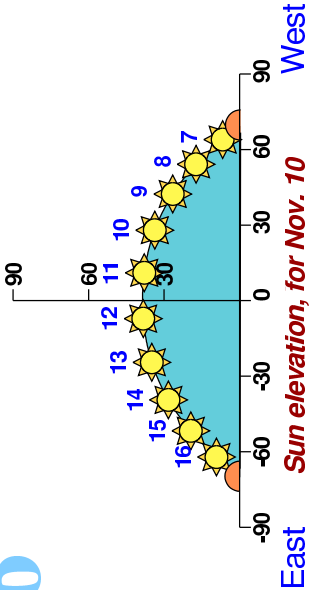
Duration of the day - Variation - Sun maximal elevation (°)

Week 46

February 2014

Pasadena

-118.14°E, 34.14°N



East Sun elevation, for Nov. 10 West

Duration of the day, for Feb. 17

Monday 10

Tuesday 11

Wednesday 12

Thursday 13

Friday 21

Saturday 22

Sunday 23

Sunrise and Sunset at Pasadena (TL ± 1 mn)

313 - 52

06:21 - 16:53

313 - 52

06:22 - 16:52

313 - 52

06:23 - 16:51

313 - 52

06:24 - 16:51

47 - 318

06:31 - 17:41

47 - 318

06:30 - 17:42

47 - 318

06:29 - 17:43

10:32

-2 m.

39°

10:30

-4 m.

38°

10:29

-5 m.

38°

10:27

-7 m.

38°

11:10

+10 m.

46°

11:12

+12 m.

46°

11:15

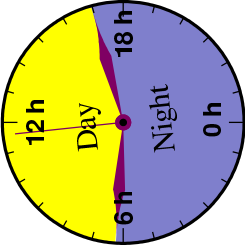
+15 m.

46°

Duration of the day - Variation - Sun maximal elevation (°)

Week 9

November 2014



Pasadena

-118.14°E, 34.14°N

East Sun elevation, for March 24 West

Duration of the day, for Nov. 3

Monday 24

Tuesday 25

Wednesday 26

Thursday 27

Friday 7

Saturday 8

Sunday 9

Sunrise and Sunset at Pasadena (TL ± 1 mn)

54 - 311

06:27 - 17:44

54 - 311

06:26 - 17:45

54 - 311

06:25 - 17:46

54 - 311

06:24 - 17:47

306 - 59

06:18 - 16:55

306 - 59

06:19 - 16:54

306 - 59

06:20 - 16:54

11:17

+2 m.

47°

11:19

+4 m.

47°

11:21

+6 m.

47°

11:23

+8 m.

48°

10:37

-9 m.

39°

10:35

-11 m.

39°

10:34

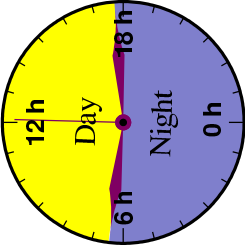
-12 m.

39°

Duration of the day - Variation - Sun maximal elevation (°)

Week 45

Feb. - March 2014



Pasadena

-118.14°E, 34.14°N

East Sun elevation, for Nov. 3 West

Duration of the day, for Feb. 24

Monday 3

Tuesday 4

Wednesday 5

Thursday 6

Friday 28

Saturday 1

Sunday 2

Sunrise and Sunset at Pasadena (TL ± 1 mn)

306 - 59

06:14 - 16:59

306 - 59

06:15 - 16:58

306 - 59

06:16 - 16:57

306 - 59

06:17 - 16:56

54 - 311

06:23 - 17:47

54 - 311

06:21 - 17:48

54 - 311

06:20 - 17:49

10:44

-2 m.

41 °

10:43

-3 m.

40 °

10:41

-5 m.

40 °

10:39

-7 m.

40 °

11:25

+10 m.

48 °

11:27

+12 m.

48 °

11:29

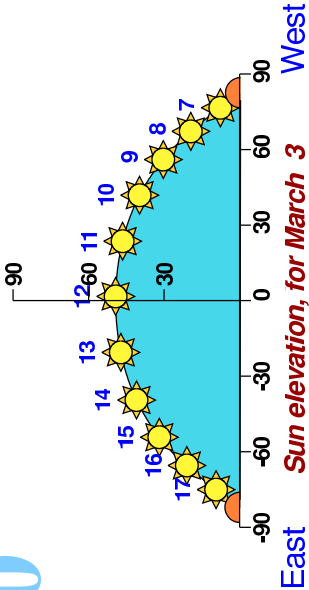
+14 m.

49 °

Duration of the day - Variation - Sun maximal elevation (°)

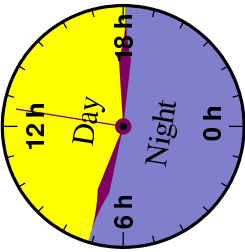
Week **10**

Oct. - Nov. 2014



Pasadena

-118.14°E, 34.14°N



East **Sun elevation, for March 3** West

Duration of the day, for Oct. 27

Monday 3

Tuesday 4

Wednesday 5

Thursday 6

Friday 31

Saturday 1

Sunday 2

Sunrise and Sunset at Pasadena (TL ± 1 mn)

61 - 304

06:19 - 17:50

61 - 304

06:18 - 17:51

61 - 304

06:16 - 17:52

61 - 304

06:15 - 17:52

299 - 66

07:12 - 18:02

299 - 66

07:13 - 18:01

299 - 66

06:13 - 17:00

+2 m.

49°

+4 m.

50°

+6 m.

50°

+8 m.

50°

10:50

-10 m.

10:48

-12 m.

10:46

-14 m.

41°

41°

41°

41°

Time change November 2

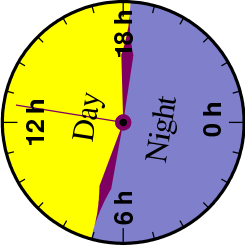
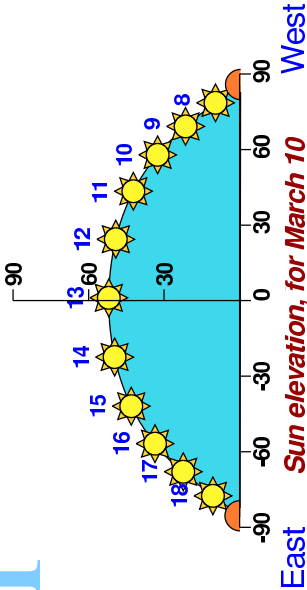
Duration of the day - Variation - Sun maximal elevation (°)

Week 11

October 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Oct. 20

Monday 10

Tuesday 11

Wednesday 12

Thursday 13

Friday 24

Saturday 25

Sunday 26

Sunrise and Sunset at Pasadena (TL ± 1 mn)

68 - 297
07:10 - 18:56

68 - 297
07:08 - 18:57

68 - 297
07:07 - 18:57

68 - 297
07:06 - 18:58

292 - 73
07:05 - 18:09

292 - 73
07:06 - 18:08

292 - 73
07:07 - 18:07

11:46

+2 m.

52°

11:48

+4 m.

52°

11:50

+6 m.

53°

11:53

+9 m.

53°

11:04

-10 m.

44°

11:02

-12 m.

44°

11:00

-14 m.

43°

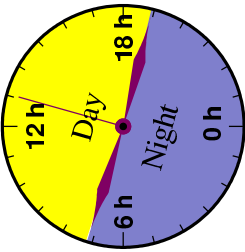
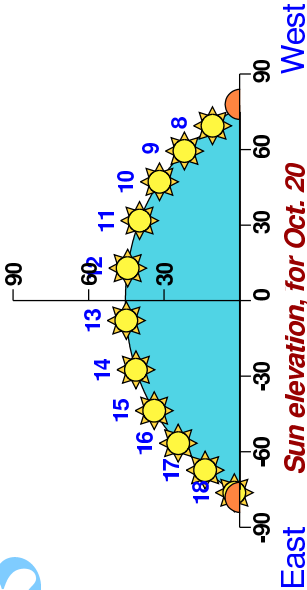
Duration of the day - Variation - Sun maximal elevation (°)

Week 43

March 2014

Pasadena

-118.14°E, 34.14°N



East Sun elevation, for Oct. 20 West

Duration of the day, for March 10

Monday 20

Tuesday 21

Wednesday 22

Thursday 23

Friday 14

Saturday 15

Sunday 16

Sunrise and Sunset at Pasadena (TL ± 1 mn)

292 - 73
07:02 - 18:14

292 - 73
07:03 - 18:12

292 - 73
07:04 - 18:11

292 - 73
07:05 - 18:10

68 - 297
07:04 - 18:59

68 - 297
07:03 - 19:00

68 - 297
07:02 - 19:01

11:12 -2 m. 45°

11:10 -4 m. 45°

11:08 -6 m. 45°

11:06 -8 m. 44°

11:55 +11 m. 54°

11:57 +13 m. 54°

+15 m.

54°

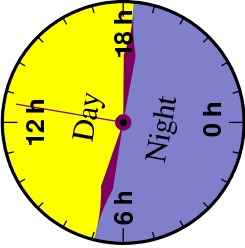
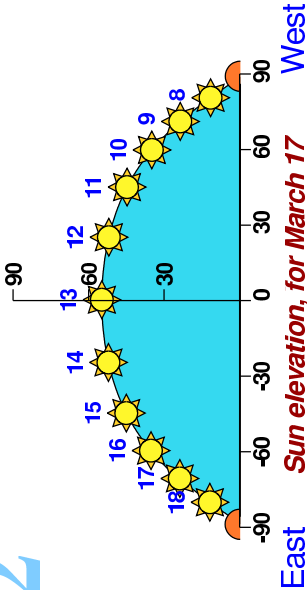
Duration of the day - Variation - Sun maximal elevation (°)

Week 12

October 2014

Pasadena

-118.14°E, 34.14°N



East Sun elevation, for March 17 West

Duration of the day, for Oct. 13

Monday 17

Tuesday 18

Wednesday 19

Thursday 20

Friday 17

Saturday 18

Sunday 19

Sunrise and Sunset at Pasadena (TL ± 1 mn)

75 - 290

07:00 - 19:01

75 - 290

06:59 - 19:02

75 - 290

06:58 - 19:03

75 - 290

06:56 - 19:04

285 - 80

07:00 - 18:17

285 - 80

07:00 - 18:16

285 - 80

07:01 - 18:15

12:01

+2 m.

55°

12:03

+4 m.

55°

12:05

+6 m.

56°

12:08

+9 m.

56°

11:18

-10 m.

46°

11:16

-12 m.

46°

11:14

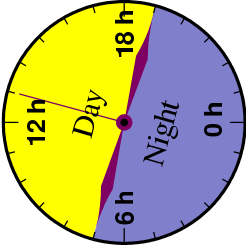
-14 m.

46°

Duration of the day - Variation - Sun maximal elevation (°)

Week 42

March 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Oct. 13 West

Duration of the day, for March 17

Monday 13

Tuesday 14

Wednesday 15

Thursday 16

Friday 21

Saturday 22

Sunday 23

Sunrise and Sunset at Pasadena (TL ± 1 mn)

285 - 80
06:56 - 18:22

11:26

-2 m.

48°

11:24

-4 m.

48°

11:20

-8 m.

47°

285 - 80
06:59 - 18:18

75 - 290
06:55 - 19:04

12:10

+11 m.

56°

75 - 290
06:54 - 19:05

12:12

+13 m.

57°

75 - 290
06:52 - 19:06

12:14

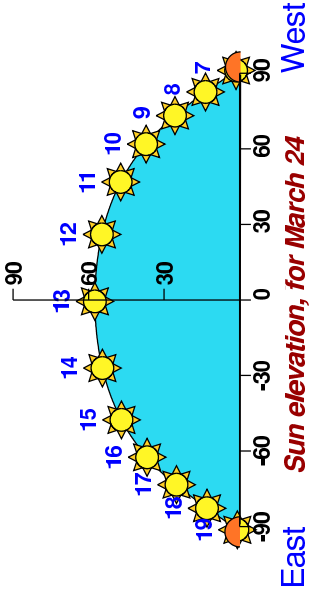
+15 m.

57°

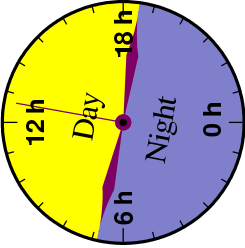
Duration of the day - Variation - Sun maximal elevation (°)

Week 13

October 2014



Pasadena
-118.14°E, 34.14°N



Duration of the day, for Oct. 6

Monday 24

Tuesday 25

Wednesday 26

Thursday 27

Friday 10

Saturday 11

Sunday 12

Sunrise and Sunset at Pasadena (TL ± 1 mn)

82 - 283
06:51 - 19:07

82 - 283
06:49 - 19:08

82 - 283
06:48 - 19:08

82 - 283
06:47 - 19:09

278 - 87
06:54 - 18:26

278 - 87
06:55 - 18:25

278 - 87
06:56 - 18:23

12:16 +2 m. 57°

12:18 +4 m. 58°

12:20 +6 m. 58°

12:22 +8 m. 59°

11:32 -11 m. 49°

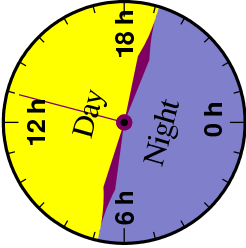
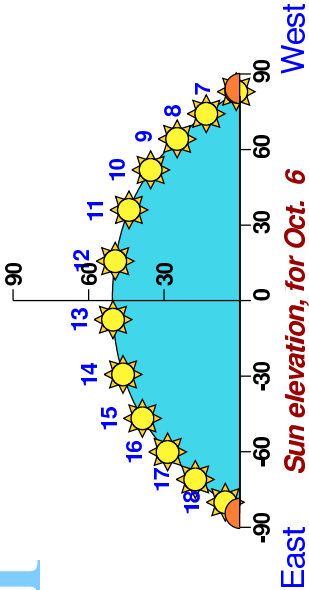
11:30 -13 m. 49°

11:28 -15 m. 48°

Duration of the day - Variation - Sun maximal elevation (°)

Week 41

March 2014



Pasadena

-118.14°E, 34.14°N

Duration of the day, for March 24

Monday 6

Tuesday 7

Wednesday 8

Thursday 9

Friday 28

Saturday 29

Sunday 30

Sunrise and Sunset at Pasadena (TL ± 1 mn)

278 - 87
06:51 - 18:31

278 - 87
06:52 - 18:30

278 - 87
06:53 - 18:29

278 - 87
06:53 - 18:27

82 - 283
06:45 - 19:10

82 - 283
06:44 - 19:11

82 - 283
06:43 - 19:11

11:40

-3 m.

51°

11:38

-5 m.

50°

11:36

-7 m.

50°

11:34

-9 m.

49°

12:25

+11 m.

59°

12:27

+13 m.

59°

12:29

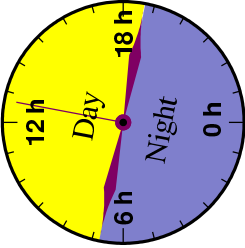
+15 m.

60°

Duration of the day - Variation - Sun maximal elevation (°)

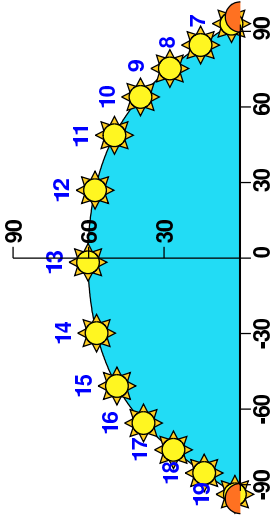
Week **14**

Sept. - Oct. 2014



Pasadena
-118.14°E, 34.14°N

Sun elevation, for April 31



Duration of the day, for Sept. 29

Monday 31

Tuesday 1

Wednesday 2

Thursday 3

Friday 3

Saturday 4

Sunday 5

Sunrise and Sunset at Pasadena (TL ± 1 mn)

89 - 276
06:41 - 19:12

89 - 276
06:40 - 19:13

89 - 276
06:39 - 19:14

89 - 276
06:37 - 19:14

271 - 94
06:49 - 18:35

271 - 94
06:50 - 18:34

271 - 94
06:50 - 18:33

12:31

+2 m.

60°

12:33

+4 m.

61°

12:35

+6 m.

61°

12:37

+8 m.

61°

11:47

-10 m.

52°

11:45

-12 m.

51°

11:43

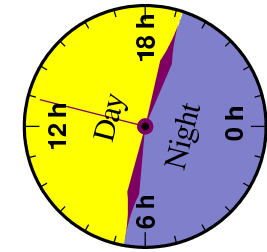
-14 m.

51°

Duration of the day - Variation - Sun maximal elevation (°)

Week 40

March - April 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Oct. 29 West

Duration of the day, for March 31

Monday 29

Tuesday 30

Wednesday 1

Thursday 2

Friday 4

Saturday 5

Sunday 6

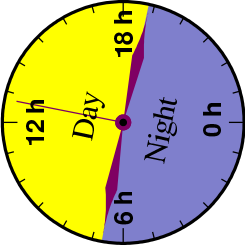
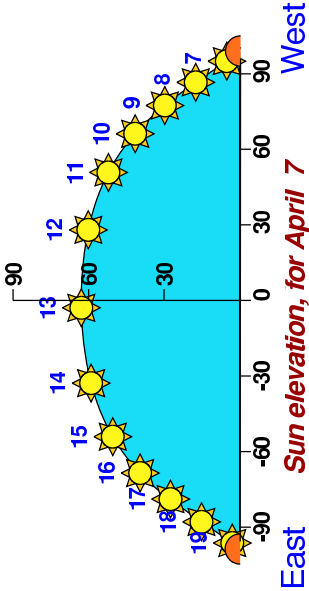
Sunrise and Sunset at Pasadena (TL ± 1 mn)

271 - 94 06:46 - 18:41	271 - 94 06:47 - 18:40	271 - 94 06:47 - 18:38	271 - 94 06:48 - 18:37	89 - 276 06:36 - 19:15	89 - 276 06:35 - 19:16	89 - 276 06:33 - 19:17
11:55 -2 m. 53°	11:53 -4 m. 53°	11:51 -6 m. 52°	11:49 -8 m. 52°	12:39 +10 m. 62°	12:41 +12 m. 62°	12:44 +15 m. 63°

Duration of the day - Variation - Sun maximal elevation (°)

Week 15

September 2014



Pasadena
-118.14°E, 34.14°N

Duration of the day, for Sept. 22

Monday 7

Tuesday 8

Wednesday 9

Thursday 10

Friday 26

Saturday 27

Sunday 28

Sunrise and Sunset at Pasadena (TL ± 1 mn)

96 - 269
06:32 - 19:17

96 - 269
06:31 - 19:18

96 - 269
06:29 - 19:19

96 - 269
06:28 - 19:20

264 - 101
06:44 - 18:45

264 - 101
06:44 - 18:44

264 - 101
06:45 - 18:42

12:46

+2 m.

63°

12:48

+4 m.

63°

12:50

+6 m.

64°

12:52

+8 m.

64°

12:01

-11 m.

54°

11:59

-13 m.

54°

11:57

-15 m.

54°

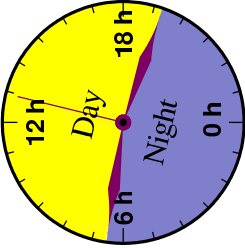
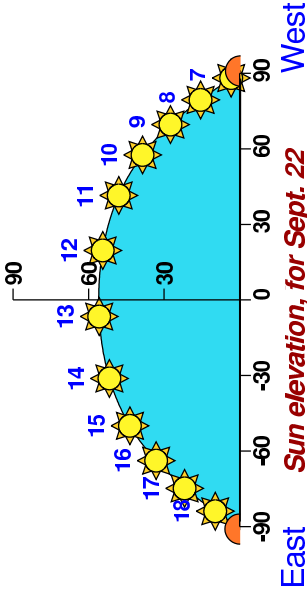
Duration of the day - Variation - Sun maximal elevation (°)

Week 39

April 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for April 7

Monday 22

Tuesday 23

Wednesday 24

Thursday 25

Friday 11

Saturday 12

Sunday 13

Sunrise and Sunset at Pasadena (TL ± 1 mn)

264 - 101
06:41 - 18:51

264 - 101
06:42 - 18:49

264 - 101
06:42 - 18:48

264 - 101
06:43 - 18:47

96 - 269
06:27 - 19:21

96 - 269
06:25 - 19:21

96 - 269
06:24 - 19:22

12:10

-2 m.

56°

12:08

-4 m.

56°

12:06

-6 m.

55°

12:04

-8 m.

55°

12:54

+10 m.

64°

12:56

+12 m.

65°

12:58

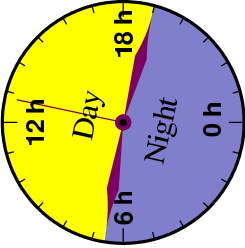
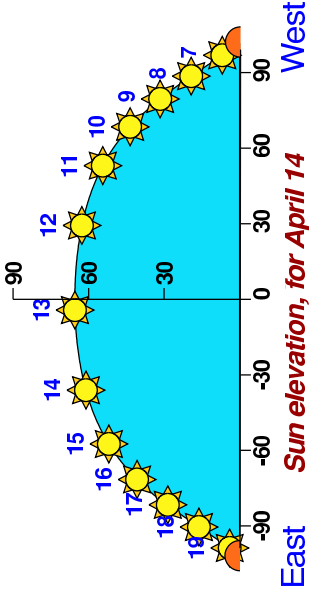
+14 m.

65°

Duration of the day - Variation - Sun maximal elevation (°)

Week **16**

September 2014



Pasadena
-118.14°E, 34.14°N

Duration of the day, for Sept. 15

Monday **14**

Tuesday **15**

Wednesday **16**

Thursday **17**

Friday **19**

Saturday **20**

Sunday **21**

Sunrise and Sunset at Pasadena (TL ± 1 mn)

103 - 262
06:23 - 19:23

103 - 262
06:22 - 19:24

103 - 262
06:20 - 19:24

103 - 262
06:19 - 19:25

257 - 108
06:39 - 18:55

257 - 108
06:39 - 18:54

257 - 108
06:40 - 18:52

13:00 **+2 m.** 65°

13:02 **+4 m.** 66°

13:04 **+6 m.** 66°

13:06 **+8 m.** 67°

12:16

12:14

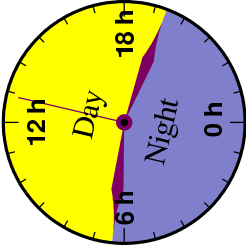
12:12

56°

Duration of the day - Variation - Sun maximal elevation (°)

Week 38

April 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Sept. 15 West

Duration of the day, for April 14

Monday 15

Tuesday 16

Wednesday 17

Thursday 18

Friday 18

Saturday 19

Sunday 20

Sunrise and Sunset at Pasadena (TL ± 1 mn)

257 - 108
06:36 - 19:01

257 - 108
06:37 - 18:59

257 - 108
06:37 - 18:58

257 - 108
06:38 - 18:56

103 - 262
06:18 - 19:26

103 - 262
06:17 - 19:27

103 - 262
06:15 - 19:27

12:25 -2 m. 59°

12:23 -4 m. 58°

12:20 -7 m. 58°

12:18 -9 m. 58°

13:08 +10 m. 67°

13:10 +12 m. 67°

13:12 +14 m. 68°

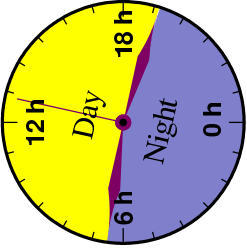
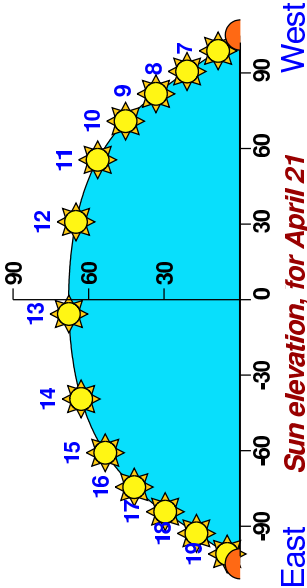
Duration of the day - Variation - Sun maximal elevation (°)

Week **17**

September 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Sept. 17

Monday **21**

Tuesday **22**

Wednesday **23**

Thursday **24**

Friday **12**

Saturday **13**

Sunday **14**

Sunrise and Sunset at Pasadena (TL ± 1 mn)

110 - 255
06:14 - 19:28

110 - 255
06:13 - 19:29

110 - 255
06:12 - 19:30

110 - 255
06:11 - 19:31

250 - 115
06:34 - 19:05

250 - 115
06:35 - 19:03

250 - 115
06:35 - 19:02

13:14

+2 m.

68°

13:16

+4 m.

68°

13:18

+6 m.

69°

13:20

+8 m.

69°

12:31

-10 m.

60°

12:29

-12 m.

59°

12:27

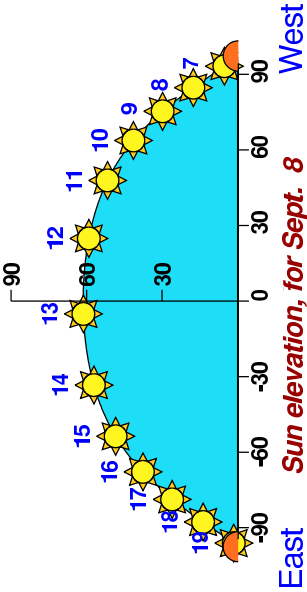
-14 m.

59°

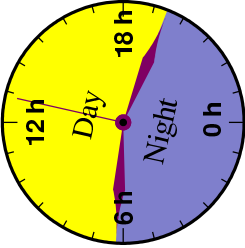
Duration of the day - Variation - Sun maximal elevation (°)

Week 37

April 2014



Pasadena
-118.14°E, 34.14°N



Duration of the day, for April 21

Monday 8

Tuesday 9

Wednesday 10

Thursday 11

Friday 25

Saturday 26

Sunday 27

Sunrise and Sunset at Pasadena (TL ± 1 mn)

250 - 115
06:31 - 19:10

250 - 115
06:32 - 19:09

250 - 115
06:33 - 19:08

250 - 115
06:33 - 19:06

110 - 255
06:10 - 19:31

110 - 255
06:09 - 19:32

110 - 255
06:07 - 19:33

12:39 -2 m. 61°

12:37 -4 m. 61°

12:35 -6 m. 61°

12:33 -8 m. 60°

13:22

13:24

13:26

70°

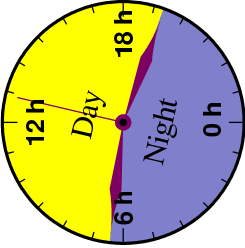
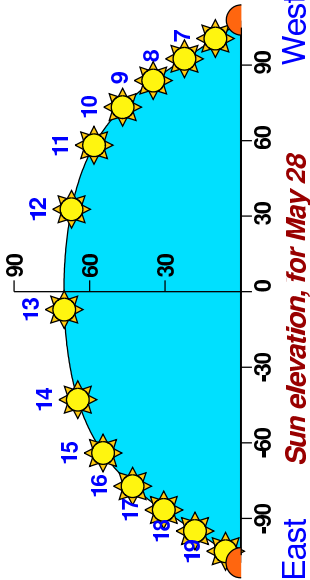
Duration of the day - Variation - Sun maximal elevation (°)

Week 18

September 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Sept. 1

Monday 28

Tuesday 29

Wednesday 30

Thursday 1

Friday 5

Saturday 6

Sunday 7

Sunrise and Sunset at Pasadena (TL ± 1 mn)

117 - 248
06:06 - 19:34

117 - 248
06:05 - 19:34

117 - 248
06:04 - 19:35

117 - 248
06:03 - 19:36

243 - 122
06:29 - 19:14

243 - 122
06:30 - 19:13

243 - 122
06:30 - 19:12

13:27

+1 m.

70°

13:29

+3 m.

70°

13:31

+5 m.

71°

13:33

+7 m.

71°

12:45

-11 m.

62°

12:43

-13 m.

62°

12:41

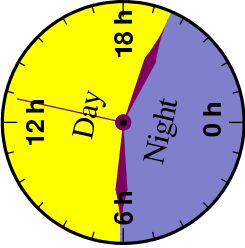
-15 m.

62°

Duration of the day - Variation - Sun maximal elevation (°)

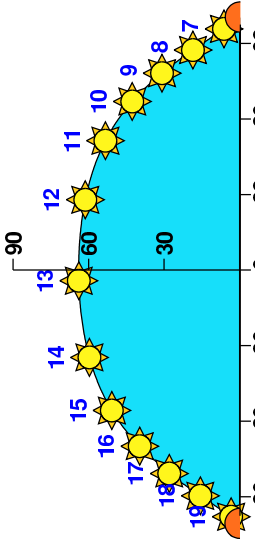
Week 36

April - May 2014



Pasadena
-118.14°E, 34.14°N

Sun elevation, for Sept. 1 West



Duration of the day, for April 28

Monday 1

Tuesday 2

Wednesday 3

Thursday 4

Friday 2

Saturday 3

Sunday 4

Sunrise and Sunset at Pasadena (TL ± 1 mn)

243 - 122
06:26 - 19:20

243 - 122
06:27 - 19:18

243 - 122
06:28 - 19:17

243 - 122
06:28 - 19:16

117 - 248
06:02 - 19:37

117 - 248
06:01 - 19:38

117 - 248
06:00 - 19:38

12:54

-2 m.

64 °

12:52

-4 m.

64 °

12:50

-6 m.

63 °

12:47

-9 m.

63 °

13:35

+9 m.

71 °

13:36

+10 m.

72 °

13:38

+12 m.

72 °

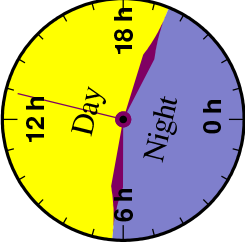
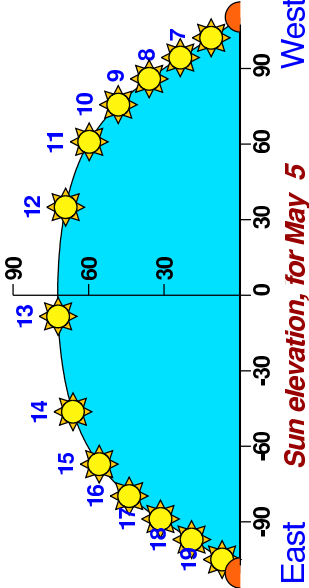
Duration of the day - Variation - Sun maximal elevation (°)

Week 19

August 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Aug. 25

Monday 5

Tuesday 6

Wednesday 7

Thursday 8

Friday 29

Saturday 30

Sunday 31

Sunrise and Sunset at Pasadena (TL ± 1 mn)

124 - 241

05:59 - 19:39

124 - 241

05:58 - 19:40

124 - 241

05:57 - 19:41

124 - 241

05:57 - 19:42

236 - 129

06:24 - 19:24

236 - 129

06:25 - 19:22

236 - 129

06:26 - 19:21

13:40

+2 m.

72°

13:42

+4 m.

73°

13:43

+5 m.

73°

13:45

+7 m.

73°

13:00

-10 m.

65°

12:58

-12 m.

65°

12:56

-14 m.

64°

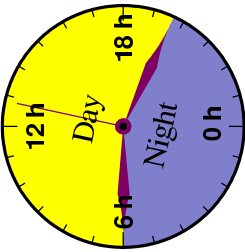
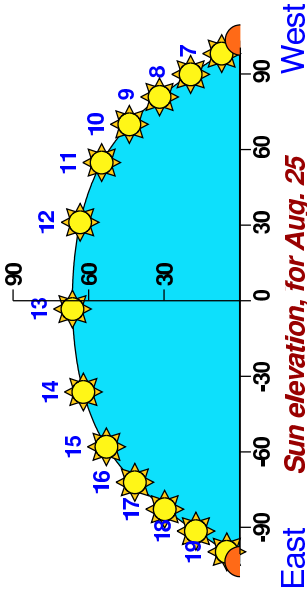
Duration of the day - Variation - Sun maximal elevation (°)

Week 35

May 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for May 5

Monday 25

Tuesday 26

Wednesday 27

Thursday 28

Friday 9

Saturday 10

Sunday 11

Sunrise and Sunset at Pasadena (TL ± 1 mn)

236 - 129
06:21 - 19:29

236 - 129
06:22 - 19:28

236 - 129
06:23 - 19:26

236 - 129
06:23 - 19:25

124 - 241
05:56 - 19:42

124 - 241
05:55 - 19:43

124 - 241
05:54 - 19:44

13:08

-2 m.

13:06

-4 m.

13:04

-6 m.

13:02

-8 m.

13:47

+9 m.

13:48

+10 m.

13:50

+12 m.

74°

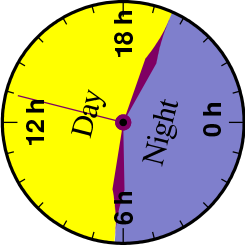
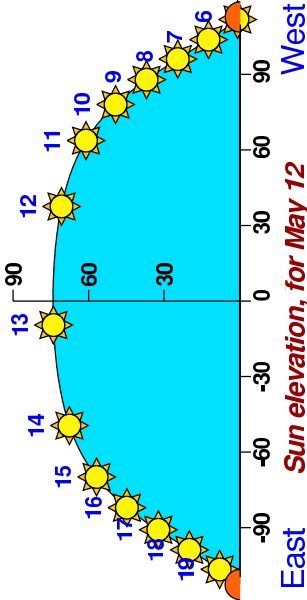
Duration of the day - Variation - Sun maximal elevation (°)

Week 20

August 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Aug. 18

Monday 12

Tuesday 13

Wednesday 14

Thursday 15

Friday 22

Saturday 23

Sunday 24

Sunrise and Sunset at Pasadena (TL ± 1 mn)

131 - 234
05:53 - 19:45

131 - 234
05:52 - 19:45

131 - 234
05:52 - 19:46

131 - 234
05:51 - 19:47

229 - 136
06:19 - 19:33

229 - 136
06:20 - 19:31

229 - 136
06:21 - 19:30

13:51

+1 m.

74°

13:53

+3 m.

74°

13:55

+5 m.

75°

13:56

+6 m.

75°

13:13

-10 m.

67°

13:12

-11 m.

67°

13:10

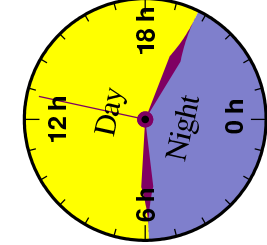
-13 m.

67°

Duration of the day - Variation - Sun maximal elevation (°)

Week **34**

May 2014



Pasadena

-118.14°E, 34.14°N

East **Sun elevation, for Aug. 18** **West**

Duration of the day, for May 12

Monday 18

Tuesday 19

Wednesday 20

Thursday 21

Friday 16

Saturday 17

Sunday 18

Sunrise and Sunset at Pasadena (TL ± 1 mn)

229 - 136
06:16 - 19:37

229 - 136
06:17 - 19:36

229 - 136
06:18 - 19:35

229 - 136
06:18 - 19:34

131 - 234
05:50 - 19:48

131 - 234
05:50 - 19:48

131 - 234
05:49 - 19:49

13:21

-2 m.

69°

13:19

-4 m.

68°

13:17

-6 m.

68°

13:15

-8 m.

68°

13:57

+7 m.

75°

13:59

+9 m.

75°

14:00

+10 m.

76°

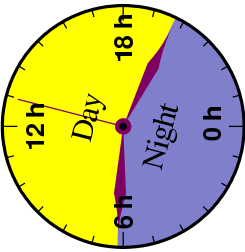
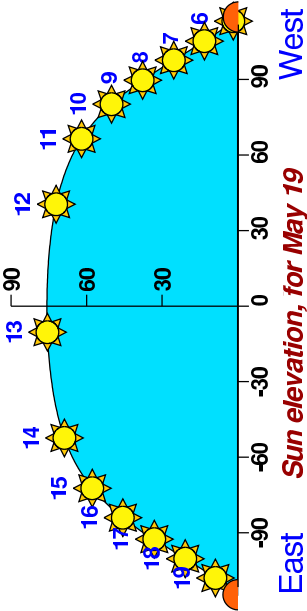
Duration of the day - Variation - Sun maximal elevation (°)

Week 21

August 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Aug. 17

Monday 19

Tuesday 20

Wednesday 21

Thursday 22

Friday 15

Saturday 16

Sunday 17

Sunrise and Sunset at Pasadena (TL ± 1 mn)

138 - 227

05:48 - 19:50

138 - 227

05:48 - 19:51

138 - 227

05:47 - 19:51

138 - 227

05:46 - 19:52

222 - 143

06:14 - 19:41

222 - 143

06:15 - 19:40

222 - 143

06:16 - 19:39

14:02

+2 m.

76°

14:03

+3 m.

76°

14:05

+5 m.

76°

14:06

+6 m.

76°

13:27

-9 m.

70°

13:25

-11 m.

69°

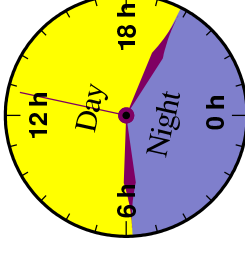
13:23

-13 m.

69°

Duration of the day - Variation - Sun maximal elevation (°)

May 2014



-118.14°E, 34.14°N

Duration of the day, for May 19

25
Sunday

138 - 227
05:45 - 19:54

77°

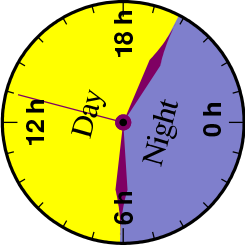
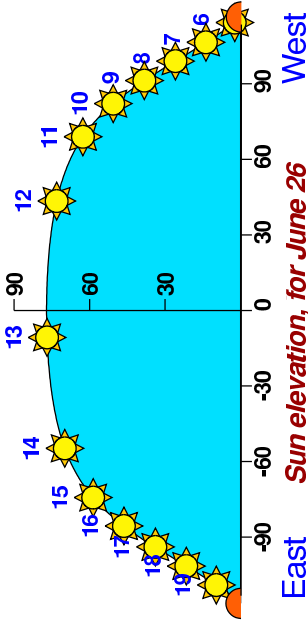
Duration of the day - Variation - Sun maximal elevation (°)

Week 22

August 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for Aug. 4

Monday 26

Tuesday 27

Wednesday 28

Thursday 29

Friday 8

Saturday 9

Sunday 10

Sunrise and Sunset at Pasadena (TL ± 1 mn)

145 - 220
05:44 - 19:55

145 - 220
05:44 - 19:56

145 - 220
05:44 - 19:56

145 - 220
05:43 - 19:57

215 - 150
06:09 - 19:48

215 - 150
06:10 - 19:47

215 - 150
06:11 - 19:46

14:11

+2 m.

77°

14:12

+3 m.

77°

14:13

+4 m.

77°

14:14

+5 m.

78°

13:39

-8 m.

72°

13:37

-10 m.

72°

13:36

-11 m.

71°

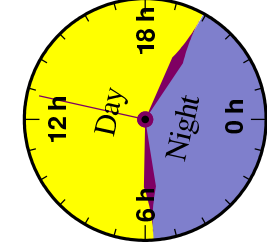
Duration of the day - Variation - Sun maximal elevation (°)

Week 32

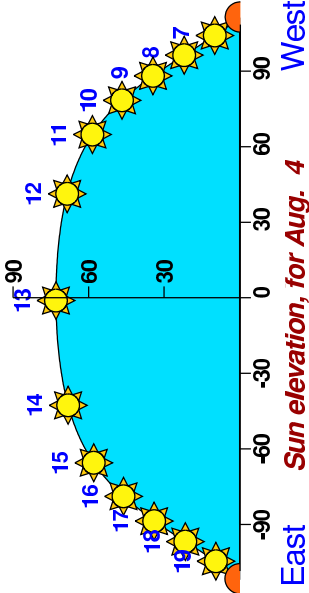
May - June 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for May 28



Monday 4

Tuesday 5

Wednesday 6

Thursday 7

Friday 30

Saturday 31

Sunday 1

Sunrise and Sunset at Pasadena (TL ± 1 mn)

215 - 150
06:06 - 19:52

215 - 150
06:07 - 19:51

215 - 150
06:08 - 19:50

215 - 150
06:08 - 19:49

145 - 220
05:43 - 19:57

145 - 220
05:42 - 19:58

145 - 220
05:42 - 19:59

13:46

-1 m.

73°

13:44

-3 m.

73°

13:43

-4 m.

72°

13:41

-6 m.

72°

14:15

+6 m.

78°

14:16

+7 m.

78°

14:17

+8 m.

78°

Duration of the day - Variation - Sun maximal elevation (°)

-118.14°E, 34.14°N



Monday

Wednesday

Friday

3 Sunday

152 - 213

05:42 - 19:59

05:41 - 20:00

05:41 - 20:01

06:04 - 19:55

06:05 - 19:54

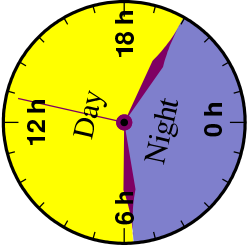
06:05 - 19:53

73°

Duration of the day - Variation - Sun maximal elevation (°)

Week 31

June 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for Aug. 28 West

Duration of the day, for June 28

Monday 28

Tuesday 29

Wednesday 30

Thursday 31

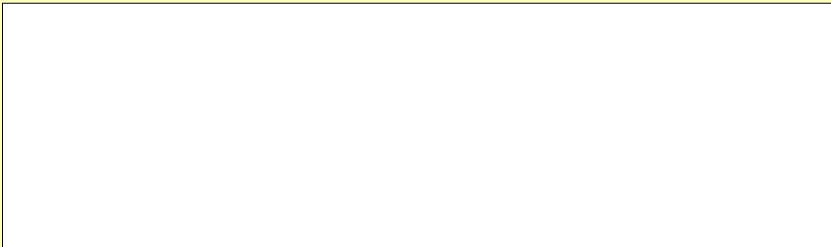
Friday 6

Saturday 7

Sunday 8

Sunrise and Sunset at Pasadena (TL ± 1 mn)

208 - 157
06:01 - 19:58

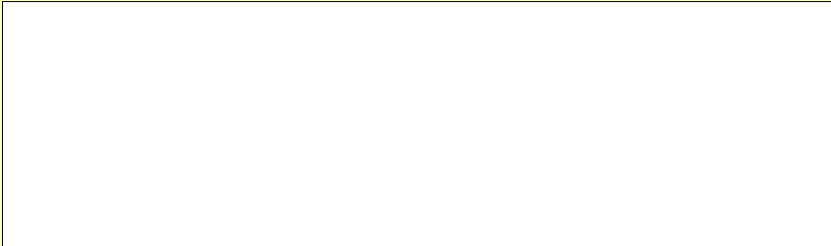


13:57

-1 m.

75°

208 - 157
06:02 - 19:57

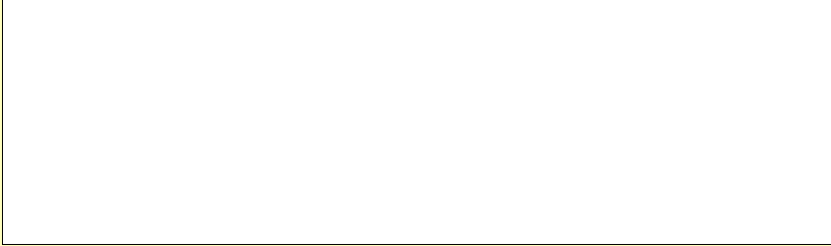


13:55

-3 m.

74°

208 - 157
06:03 - 19:56

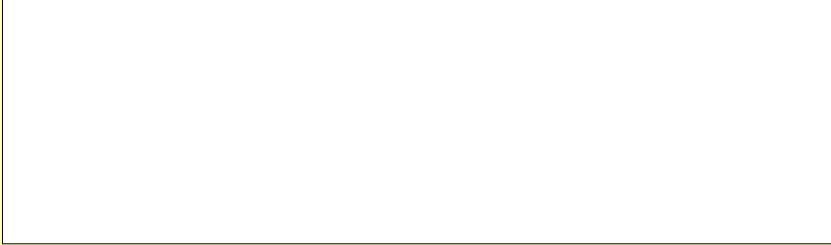


13:54

-4 m.

74°

208 - 157
06:03 - 19:55

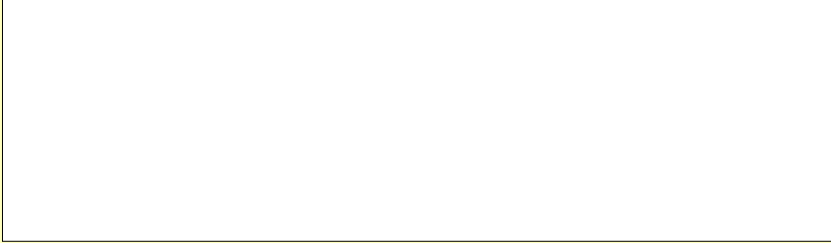


13:52

-6 m.

74°

152 - 213
05:41 - 20:02

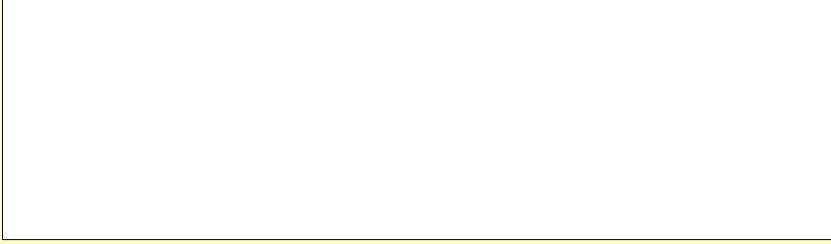


14:21

+4 m.

79°

152 - 213
05:41 - 20:02



14:21

+4 m.

79°

152 - 213
05:41 - 20:03



14:22

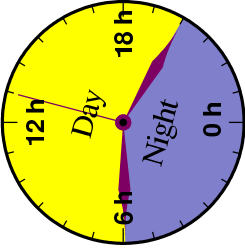
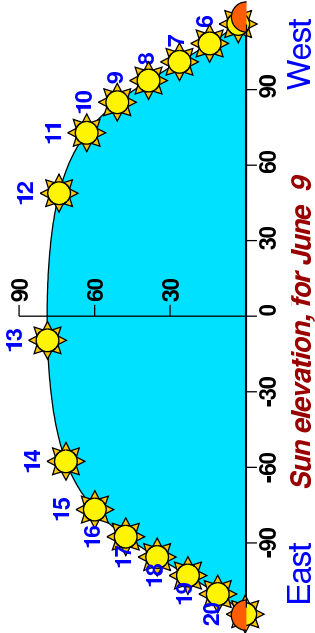
+5 m.

79°

Duration of the day - Variation - Sun maximal elevation (°)

Week 24

July 2014



Pasadena

-118.14°E, 34.14°N

East Sun elevation, for June 9 West

Duration of the day, for July 27

Monday 9

Tuesday 10

Wednesday 11

Thursday 12

Friday 25

Saturday 26

Sunday 27

Sunrise and Sunset at Pasadena (TL ± 1 mn)

159 - 206

05:41 - 20:03

159 - 206

05:41 - 20:04

159 - 206

05:41 - 20:04

159 - 206

05:41 - 20:04

201 - 164

05:59 - 20:00

201 - 164

06:00 - 19:59

201 - 164

06:00 - 19:58

14:23

+1 m.

79°

14:23

+1 m.

79°

14:24

+2 m.

79°

14:24

+2 m.

79°

14:01

-6 m.

75°

13:59

-8 m.

75°

13:58

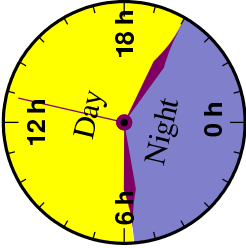
-9 m.

75°

Duration of the day - Variation - Sun maximal elevation (°)

Week 30

June 2014



Pasadena

-118.14°E, 34.14°N

East Sun elevation, for July 21 West

Duration of the day, for June 9

Monday 21

Tuesday 22

Wednesday 23

Thursday 24

Friday 13

Saturday 14

Sunday 15

Sunrise and Sunset at Pasadena (TL ± 1 mn)

201 - 164
05:56 - 20:02

201 - 164
05:57 - 20:02

201 - 164
05:58 - 20:01

201 - 164
05:58 - 20:01

159 - 206
05:41 - 20:05

159 - 206
05:41 - 20:05

159 - 206
05:41 - 20:06

14:06

-1 m.

76°

14:05

-2 m.

76°

14:04

-3 m.

76°

14:02

-5 m.

76°

14:24

+2 m.

79°

14:25

+3 m.

79°

14:25

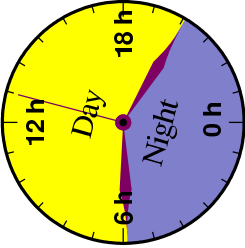
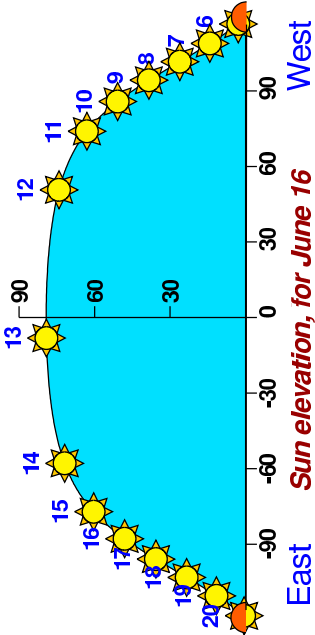
+3 m.

79°

Duration of the day - Variation - Sun maximal elevation (°)

Week 25

July 2014



Pasadena

-118.14°E, 34.14°N

Duration of the day, for July 14

Monday 16

Tuesday 17

Wednesday 18

Thursday 19

Friday 18

Saturday 19

Sunday 20

Sunrise and Sunset at Pasadena (TL ± 1 mn)

166 - 199

05:41 - 20:06

166 - 199

05:41 - 20:06

166 - 199

05:41 - 20:07

166 - 199

05:41 - 20:07

194 - 171

05:54 - 20:04

194 - 171

05:55 - 20:03

194 - 171

05:56 - 20:03

14:25

+0 m.

79°

14:25

+0 m.

79°

14:26

+1 m.

79°

14:26

+1 m.

79°

14:10

-5 m.

77°

14:09

-6 m.

77°

14:07

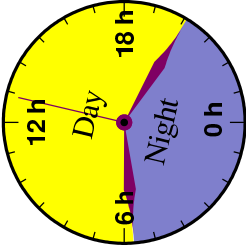
-8 m.

76°

Duration of the day - Variation - Sun maximal elevation (°)

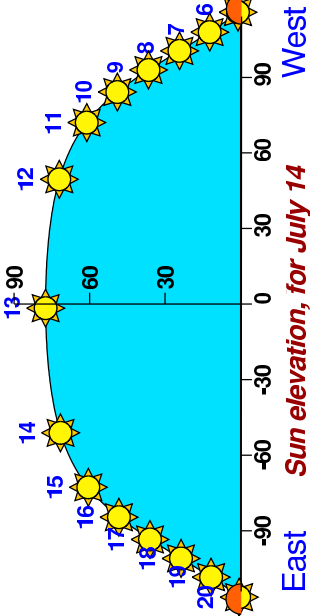
Week 29

June 2014



Pasadena
-118.14°E, 34.14°N

Duration of the day, for June 16



Monday 14

Tuesday 15

Wednesday 16

Thursday 17

Friday 20

Saturday 21

Sunday 22

Sunrise and Sunset at Pasadena (TL ± 1 mn)

194 - 171

05:52 - 20:06

194 - 171

05:52 - 20:05

194 - 171

05:53 - 20:05

194 - 171

05:54 - 20:04

166 - 199

05:41 - 20:07

166 - 199

05:42 - 20:07

166 - 199

05:42 - 20:08

14:14

-1 m.

77°

14:13

-2 m.

77°

14:12

-3 m.

77°

14:11

-4 m.

77°

14:26

+1 m.

79°

14:26

+1 m.

79°

14:26

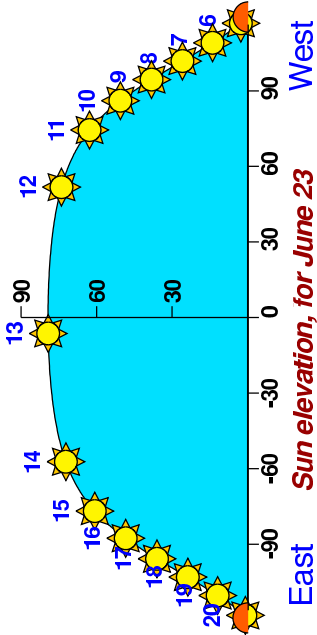
+1 m.

79°

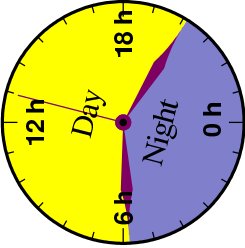
Duration of the day - Variation - Sun maximal elevation (°)

Week 26

July 2014



Pasadena
-118.14°E, 34.14°N



Duration of the day, for July 7

Monday 23

Tuesday 24

Wednesday 25

Thursday 26

Friday 11

Saturday 12

Sunday 13

Sunrise and Sunset at Pasadena (TL ± 1 mn)

173 - 192
05:42 - 20:08

173 - 192
05:42 - 20:08

173 - 192
05:43 - 20:08

173 - 192
05:43 - 20:08

187 - 178
05:50 - 20:07

187 - 178
05:50 - 20:06

187 - 178
05:51 - 20:06

14:26

+0 m.

79°

14:26

+0 m.

79°

14:26

+0 m.

79°

14:25

-1 m.

79°

14:17

-4 m.

78°

14:16

-5 m.

78°

14:15

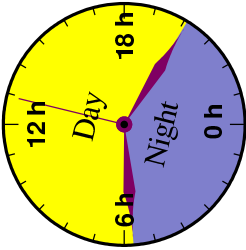
-6 m.

78°

Duration of the day - Variation - Sun maximal elevation (°)

Week 28

June 2014



Pasadena
-118.14°E, 34.14°N

East Sun elevation, for July 7 West

Duration of the day, for June 23

Monday 7

Tuesday 8

Wednesday 9

Thursday 10

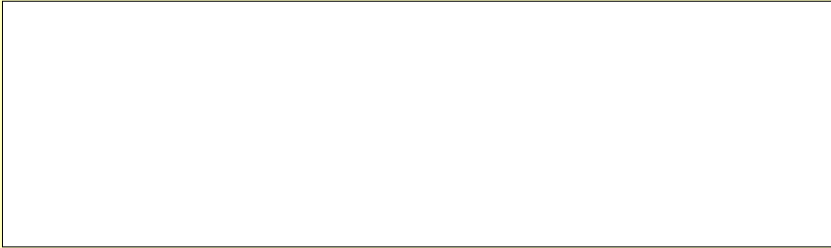
Friday 27

Saturday 28

Sunday 29

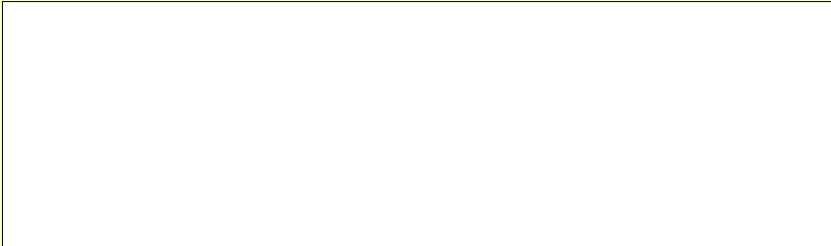
Sunrise and Sunset at Pasadena (TL ± 1 mn)

187 - 178
05:48 - 20:08



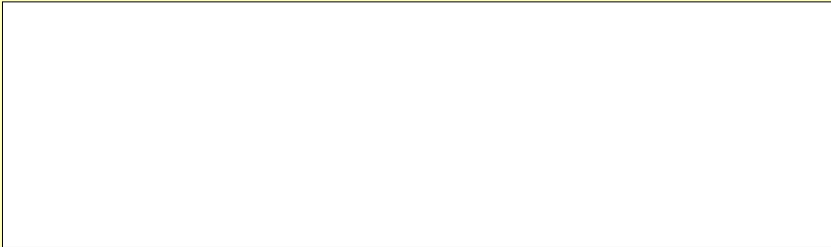
14:20 -1 m. 78°

187 - 178
05:48 - 20:08



14:19 -2 m. 78°

187 - 178
05:49 - 20:07



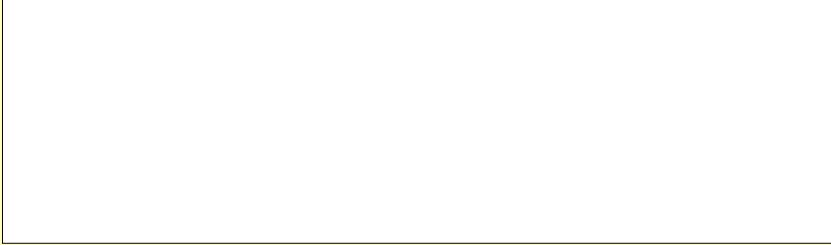
14:19 -2 m. 78°

187 - 178
05:49 - 20:07



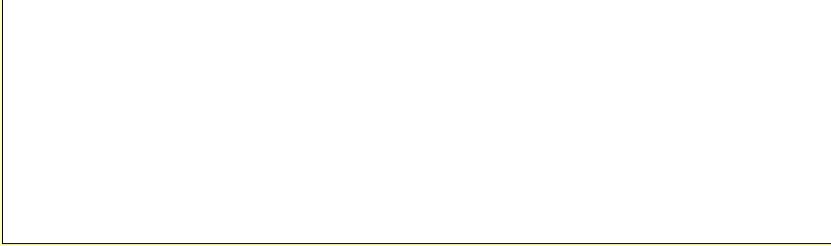
14:18 -3 m. 78°

173 - 192
05:43 - 20:08



14:25 -1 m. 79°

173 - 192
05:44 - 20:08



14:25 -1 m. 79°

173 - 192
05:44 - 20:08



14:25 -1 m. 79°

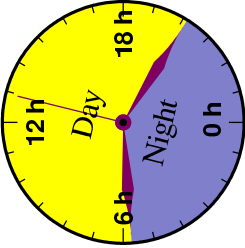
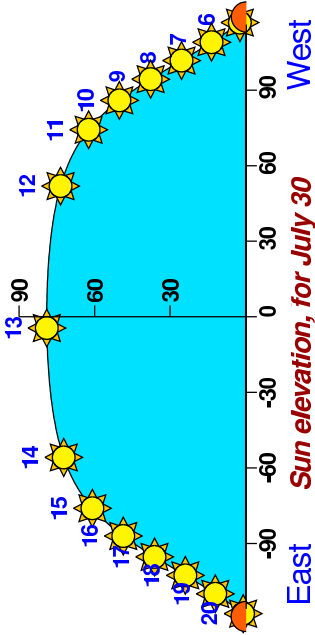
Duration of the day - Variation - Sun maximal elevation (°)

Week 27

June - July 2014

Pasadena

-118.14°E, 34.14°N



Duration of the day, for June 30

Monday 30

Tuesday 1

Wednesday 2

Thursday 3

Friday 4

Saturday 5

Sunday 6

Sunrise and Sunset at Pasadena (TL ± 1 mn)

180 - 185
05:44 - 20:08

180 - 185
05:45 - 20:08

180 - 185
05:45 - 20:08

180 - 185
05:46 - 20:08

180 - 185
05:46 - 20:08

180 - 185
05:47 - 20:08

180 - 185
05:47 - 20:08

14:24

-1 m.

79°

14:24

-1 m.

79°

14:23

-2 m.

79°

14:23

-2 m.

79°

14:22

-3 m.

79°

14:22

-3 m.

79°

14:21

-4 m.

78°

Duration of the day - Variation - Sun maximal elevation (°)