

USNO Calculations

Use 500 km as the true north-south distance between Sacramento and Los Angeles

Sacramento, October 29, 2016

Position of Sun

Pacific Daylight Time

h m	altitude	azimuth	zenith angle
12:00	36.4	165.0	53.6
12:10	36.9	168.0	53.1
12:20	37.2	171.0	52.8
12:30	37.5	174.0	52.5
12:40	37.6	177.1	52.4
12:50	37.7	180.2	52.3
13:00	37.6	183.2	52.4
13:10	37.4	186.3	52.6
13:20	37.2	189.3	52.8
13:30	36.8	192.3	53.2

Sacramento, October 28, 2016

Position of the Sun

Pacific Daylight Time

hm	altitude	azimuth	zenith angle
12:00	36.7	164.9	53.3
12:10	37.2	167.9	52.8
12:20	37.5	170.9	52.5
12:30	37.8	174.0	52.2
12:40	38.0	177.1	52.0
12:50	38.0	180.1	52.0
13:00	37.9	183.2	52.1
13:10	37.8	186.3	52.2
13:20	37.5	189.3	52.5
13:30	37.1	192.4	52.9