

Sun Azimuth & Elevation Intersections for San Francisco, California										(37.75° N, 122.5° W)		Dates & Times-- twice a year for each occurrence.		Standard Time = UTC - 0800		Daylight Time = UTC - 0700			
AXIMUTH	60°		90°		115°		135°		180°		225°		245°		270°		300°		DT = Second Sun in March -- First Sun in November
ALTITUDE																			
75°									07-Jun 13:09	05-Jul 13:14									75°
60°					27-May 11:10	16-Jul 11:19	29-Apr 11:41	13-Aug 11:49	09-Apr 13:11	02-Sep 13:09	29-Apr 14:33	13-Aug 14:40	27-May 15:03	16-Jul 15:12					60°
45°					19-Apr 10:25	23-Aug 10:29	26-Mar 11:15	17-Sep 11:04	02-Mar 12:22	11-Oct 12:56	25-Mar 15:16	17-Sep 15:04	19-Apr 15:52	23-Aug 15:56					45°
30°			11-May 08:44	02-Aug 08:54	23-Mar 09:50	20-Sep 09:36	22-Feb 09:49	19-Oct 10:20	08-Jan 12:16	04-Dec 12:00	21-Feb 14:57	19-Oct 15:29	22-Mar 16:43	20-Sep 16:30	10-May 17:28	01-Aug 17:38			30°
15°			13-Apr 07:58	30-Aug 07:58	24-Feb 08:13	18-Oct 08:45	06-Jan 08:50	06-Dec 09:05			06-Jan 15:26	05-Dec 15:11	23-Feb 16:33	17-Oct 17:05	13-Apr 18:22	29-Aug 18:23			15°
10°			05-Apr 07:44	07-Sep 07:39	14-Feb 07:58	27-Oct 08:28							14-Feb 16:49	27-Oct 17:19	04-Apr 18:41	06-Sep 18:36			10°
5°			28-Mar 07:30	15-Sep 07:20	03-Feb 07:42	07-Nov 07:12							03-Feb 17:04	07-Nov 16:34	27-Mar 19:00	15-Sep 18:50			5°
0°	09-Jun 05:49	04-Jul 05:54	19-Mar 07:16	24-Sep 07:00	21-Jan 07:23	21-Nov 06:58							21-Jan 17:19	20-Nov 16:53	19-Mar 19:19	23-Sep 19:04	08-Jun 20:29	03-Jul 20:34	0°

For: West Coast, USA -- Nor-Cal Section

Gray rectangles indicate the intersections where the sun can never be, at the given location.

The above table is for when you know the azimuth and altitude you have in mind, and want to yield the dates and times. However, if you wish to do the opposite-- that is... you have a specific date and time in mind, and want to know what the correct azimuth and altitude is for a given location (via latitude and longitude)-- then click on the link below to use the calculator in this website:

<https://www.esrl.noaa.gov/gmd/grad/solcalc/azel.html>