

Sun Azimuth & Elevation Intersections for Equatorial Pacific										(0° N, 120° W)				Dates & Times-- twice a year for each occurrence.				Standard Time = UTC - 0800				No daylight time observed			
AZ		110°		90°		70°		45°		0°		315°		290°		270°		250°							
ALT								23- May 10:28		19- Jul 10:37				23- May 13:26		19- Jul 13:35				60°					
60°																									
75°		SUN IN NORTHERN SKY						17- Apr 11:17		25- Aug 11:19		30- Apr 11:57		12- Aug 12:05		17- Apr 12:43		25- Aug 12:45		SUN IN NORTHERN SKY		75°			
90°						20- Mar 12:07										22- Sep 11:52						90°			
AZ		70°		90°		110°		135°		180°		225°		250°		270°		290°		AZ					
ALT																				ALT					
75°		02- Apr 11:07	09- Sep 11:01	20- Mar 11:07	23- Sep 10:53	07- Mar 11:14	06- Oct 10:52	21- Feb 11:31	20- Oct 11:02	08- Feb 12:14	03- Nov 11:44	21- Feb 12:57	20- Oct 12:28	07- Mar 13:07	06- Oct 12:45	20- Mar 13:07	22- Sep 12:52	02- Apr 13:00	09- Sep 12:54	75°					
60°		15- Apr 10:06	27- Aug 10:07	20- Mar 10:07	23- Sep 09:53	23- Feb 10:20	18- Oct 09:51	17- Jan 10:41	25- Nov 10:18			17- Jan 13:39	24- Nov 13:16	22- Feb 14:07	18- Oct 13:39	20- Mar 14:08	22- Sep 13:52	15- Apr 13:54	27- Aug 13:55	60°					
45°		27- Apr 09:05	15- Aug 09:12	20- Mar 09:07	23- Sep 08:53	10- Feb 09:21	31- Oct 08:51							11- Feb 15:07	30- Oct 14:37	20- Mar 15:08	22- Sep 14:52	27- Apr 14:51	15- Aug 14:58	45°					
30°		08- May 08:03	04- Aug 08:12	20- Mar 08:07	23- Sep 07:53	31- Jan 08:19	04- Nov 07:50							31- Jan 16:07	10- Nov 15:38	20- Mar 16:08	22- Sep 15:53	08- May 15:50	04- Aug 16:00	30°					
15°		17- May 07:00	26- Jul 07:10	20- Mar 07:07	23- Sep 06:52	23- Jan 07:15	18- Nov 06:49							23- Jan 17:09	18- Nov 16:42	20- Mar 17:08	22- Sep 16:53	16- May 16:53	26- Jul 17:03	15°					
10°		19- May 06:39	25- Jul 06:49	20- Mar 06:47	23- Sep 06:32	22- Jan 06:54	20- Nov 06:28							21- Jan 17:29	19- Nov 17:03	20- Mar 17:28	22- Sep 17:13	18- May 17:14	24- Jul 17:24	10°					
5°		20- May 06:17	24- Jul 06:27	20- Mar 06:27	23- Sep 06:12	21- Jan 06:32	21- Nov 06:06							20- Jan 17:51	21- Nov 17:25	20- Mar 17:48	22- Sep 17:33	19- May 17:36	23- Jul 17:46	5°					
0°		20- May 05:54	23- Jul 06:04	20- Mar 06:05	23- Sep 05:50	20- Jan 06:09	21- Nov 05:43							20- Jan 18:14	21- Nov 17:48	19- Mar 18:10	22- Sep 17:55	20- May 17:59	23- Jul 18:09	0°					
For: The Cliff Map																									
Gray rectangles indicate the intersections where the sun can never be, at the given location.																									
If 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																									