

Sun Azimuth & Elevation Intersections for <u>Kauai, Hawaii</u>										(22° N, 159.5° W)		Dates & Times-- twice a year for each occurrence:		Standard Time = UTC – 1000				No daylight time observed		
AZIMUTH	65°		90°		115°		135°		180°		225°		245°		270°		295°			
ALTITUDE																				
90°	31- May										12- Jul									90°
	12:36										12:44									
80°			28- May 11:52	14- Jul 12:01	09- May 11:57	03- Aug 12:06	29- Apr 12:06	12- Aug 12:14	21- Apr 12:37	21- Aug 12:41	29- Apr 13:05	12- Aug 13:12	09- May 13:13	13- Aug 13:22	28- May 13:19	14- Jul 13:27			80°	
75°			26- May 11:31	17- Jul 11:40	30- Apr 11:39	11- Aug 11:47	18- Apr 11:54	24- Aug 11:57	07- Apr 12:40	04- Sep 12:37	18- Apr 13:20	24- Aug 13:24	30- Apr 13:32	11- Aug 13:39	26- May 13:40	17- Jul 13:49			75°	
60°			15- May 10:27	28- Jul 10:37	08- Apr 10:51	03- Sep 10:49	19- Mar 11:23	23- Sep 11:08	27- Feb 12:51	13- Oct 12:24	19- Mar 14:09	23- Sep 13:53	08- Apr 14:29	03- Sep 14:26	14- May 14:42	28- Jul 14:52			60°	
45°			01- May 09:26	10- Aug 09:35	18- Mar 10:07	24- Sep 09:50	18- Feb 10:49	23- Oct 10:20	12- Dec 12:32	30- Dec 12:41	18- Feb 14:55	23- Oct 14:25	18- Mar 15:26	24- Sep 15:09	01- May 15:44	10- Aug 15:52			45°	
30°			17- Apr 08:30	25- Aug 08:33	25- Feb 09:20	15- Oct 08:53	06- Jan 09:58	05- Dec 09:43			06- Jan 15:30	05- Dec 15:15	25- Feb 16:21	15- Oct 15:54	17- Apr 16:45	24- Aug 16:48			30°	
15°			03- Apr 07:37	08- Sep 07:31	03- Feb 08:28	07- Nov 07:58							03- Feb 17:16	07- Nov 16:46	03- Apr 17:46	08- Sep 17:40			15°	
10°			29- Mar 07:19	13- Sep 07:11	25- Jan 08:08	16- Nov 07:41							25- Jan 17:33	16- Nov 17:05	29- Mar 18:06	13- Sep 17:57			10°	
5°			25- Mar 07:02	18- Sep 06:50	15- Jan 07:46	26- Nov 07:24							26- Nov 17:27	15- Jan 17:49	24- Mar 18:26	17- Sep 18:14			5°	
0°	08- Jun 05:56	04- Jul 06:01	20- Mar 06:44	23- Sep 06:29	16- Dec 07:11	27- Dec 07:16							16- Dec 17:57	27- Dec 18:02	19- Mar 18:48	23- Sep 18:33	07- Jun 19:19	03- Jul 19:24	0°	
	65°		90°		115°		135°		180°		225°		245°		270°		295°			

For: The Jungle Rock Island Map

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>