



Hawaiian Lunar Calendar 2019

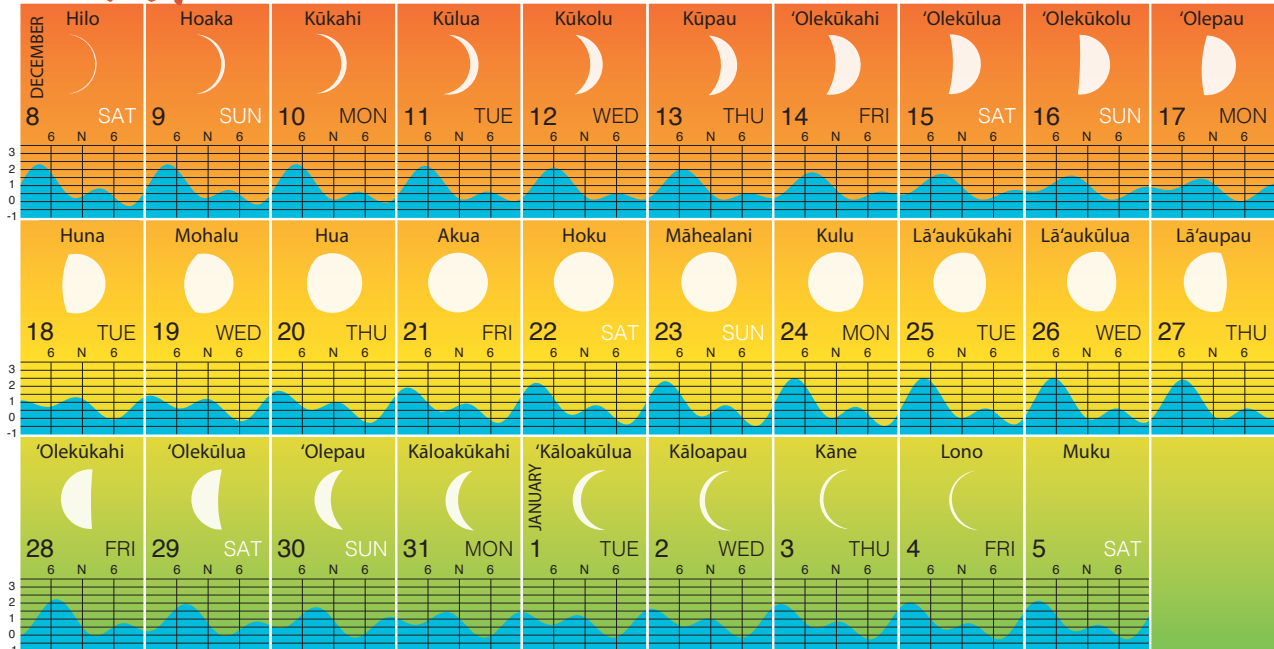


LUNAR RISE AND SET TIMES

2018			24	S 10:15	R 22:27	13	S 00:14	R 11:37	1	R 04:14	S 16:28	20	S 08:49	R 22:19	7	R 12:55		26	R 04:13	S 17:21	13	S 07:44	R 19:07
DECEMBER			25	S 10:57	R 23:26	14	S 01:12	R 12:30	2	R 04:50	S 17:19	21	S 09:41	R 22:59	8	S 00:33	R 13:52	27	S 05:18	R 18:07	14	S 08:41	R 19:55
8	R 08:11	S 19:22	26	S 11:38		15	S 02:11	R 13:27	3	R 05:26	S 18:11	22	S 10:32	R 23:37	9	S 01:18	R 14:49	28	R 06:22	S 18:53	15	S 09:38	R 20:48
9	R 09:01	S 20:12	27	S 00:22	R 12:19	16	S 03:09	R 14:29	4	R 06:05	S 19:05	23	S 11:22		10	S 02:04	R 15:44	29	R 07:25	S 19:36	16	S 10:35	R 21:46
10	R 09:48	S 21:02	28	R 01:18	S 13:00	17	S 04:06	R 15:34	5	R 06:46	S 20:03	24	R 00:11	S 12:11	11	S 02:54	R 16:37	30	R 08:28	S 20:21	17	S 11:30	R 22:46
11	R 10:33	S 21:53	29	R 02:13	S 13:42	18	S 04:59	R 16:39	6	R 07:31	S 21:02	25	R 00:45	S 13:00	12	S 03:45	R 17:26				18	S 12:21	R 23:47
12	R 11:14	S 22:43	30	R 03:07	S 14:27	19	S 05:49	R 17:44	7	R 08:21	S 22:02	26	R 01:19	S 13:51	13	S 04:37	R 18:12	OCTOBER			19	S 13:09	
13	R 11:52	S 23:33	31	R 04:00	S 15:14	20	S 06:35	R 18:48	8	R 09:15	S 23:01	27	R 01:55	S 14:42	14	S 05:29	R 18:55	1	R 09:30	S 21:07	20	R 00:49	S 13:54
14	R 12:29					21	S 07:20	R 19:50	9	R 10:14	S 23:57	28	R 02:34	S 15:37	15	S 06:20	R 19:35	2	R 10:31	S 21:54	21	R 01:50	S 14:36
15	S 00:22	R 13:05	FEBRUARY			22	S 08:03	R 20:51	10	R 11:15		29	R 03:16	S 16:34	16	S 07:11	R 20:11	3	R 11:30	S 22:44	22	R 02:50	S 15:18
16	S 01:15	R 13:41	1	R 04:51	S 16:02	23	S 08:47	R 21:51	11	S 00:48	R 12:17	30	R 04:03	S 17:34	17	S 08:00	R 20:46	4	R 12:27	S 23:35	23	R 03:51	S 16:00
17	S 02:06	R 14:18	2	R 05:40	S 16:52	24	S 09:31	R 22:49	12	S 01:38	R 13:18				18	S 08:49	R 21:20	5	R 13:20		24	R 04:52	S 16:49
18	S 03:00	R 14:58	3	R 06:26	S 17:43	25	S 10:16	R 23:46	13	S 02:23	R 14:19	JULY			19	S 09:38	R 21:54	6	S 00:27	R 14:09	25	R 05:54	S 17:29
19	S 03:56	R 15:41	4	R 07:10	S 18:32	26	S 11:03		14	S 03:07	R 15:19	1	R 04:55	S 18:35	20	S 10:27	R 22:29	7	S 01:20	R 14:54	26	R 06:55	S 18:19
20	S 04:56	R 16:29	5	R 07:50	S 19:22	27	R 04:41	S 11:52	15	S 03:48	R 16:19	2	R 05:51	S 19:40	21	S 11:17	R 23:05	8	S 02:12	R 15:35	27	R 07:57	S 19:11
21	S 05:58	R 17:23	6	R 08:28	S 20:11	28	R 01:33	S 12:42	16	S 04:30	R 17:18	3	R 06:53	S 20:39	22	S 12:10	R 23:45	9	S 03:03	R 16:13	28	R 08:56	S 20:05
22	S 07:02	R 18:22	7	R 09:05	S 21:01	29	R 02:21	S 13:33	17	S 05:12	R 18:17	4	R 07:38	S 21:32	23	S 13:05		10	S 03:53	R 16:48	29	R 09:51	S 20:59
23	S 08:05	R 19:25	8	R 09:40	S 21:50	30	R 03:06	S 14:24	18	S 05:56	R 19:17	5	R 09:03	S 22:21	24	R 00:30	S 14:02	11	S 04:42	R 17:23	30	R 10:42	S 21:53
24	S 09:05	R 20:30	9	R 10:15	S 22:41	31	R 03:48	S 15:15	19	S 06:42	R 20:15	6	R 10:06	S 23:06	25	R 01:21	S 15:01	12	S 05:31	R 17:57			
25	S 10:01	R 21:35	10	R 10:50	S 23:32				20	S 07:31	R 21:12	7	R 11:08	S 23:49	26	R 02:17	S 16:01	13	S 06:20	R 18:31	DECEMBER		
26	S 10:51	R 22:38	11	R 11:28		APRIL			21	S 08:22	R 22:05	8	R 12:07		27	R 03:18	S 16:59	14	S 07:10	R 19:06	1	R 11:28	S 22:46
27	S 11:37	R 23:39	12	S 00:27	R 12:09	1	R 04:27	S 16:05	22	S 09:14	R 22:55	9	S 00:29	R 13:05	28	R 04:23	S 17:54	15	S 08:02	R 19:44	2	R 12:09	S 23:37
28	S 12:19		13	S 01:23	R 12:54	2	R 05:04	S 16:55	23	S 10:07	R 23:41	10	S 01:10	R 14:03	29	R 05:29	S 18:46	16	S 08:55	R 20:24	3	R 12:47	
29	R 00:36	S 13:00	14	S 02:22	R 13:45	3	R 05:40	S 17:45	24	S 10:59		11	S 01:51	R 15:00	30	R 06:34	S 19:35	17	S 09:49	R 21:09	4	S 00:27	R 13:22
30	R 01:32	S 13:39	15	S 03:23	R 14:41	4	R 06:15	S 18:35	25	R 00:23	S 11:50	12	S 02:34	R 15:57	31	R 07:40	S 20:20	18	S 10:46	R 21:59	5	S 01:18	R 13:56
31	R 02:27	S 14:19	16	S 04:24	R 15:43	5	R 06:52	S 19:24	26	R 01:01	S 12:40	13	S 03:19	R 16:53				19	S 11:42	R 22:53	6	S 02:07	R 14:29
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			MARCH			19	S 06:36	R 19:33	7	R 10:10	S 23:38	27	R 01:52	S 15:17	13	S 05:57	R 18:47	NOVEMBER			20	R 01:42	S 13:58
			1	R 03:37	S 14:48	20	S 07:20	R 20:33	8	R 11:13		28	R 02:41	S 16:17	14	S 06:46	R 19:21	1	R 11:10	S 22:18	21	R 02:42	S 14:39
			2	R 04:24	S 15:39	21	S 08:05	R 21:32	9	S 00:24	R 12:14	29	R 03:35	S 17:18	15	S 07:35	R 19:55	2	R 12:02	S 23:11	22	R 03:41	S 15:22
			3	R 05:08	S 16:29	22	S 08:53	R 22:29	10	S 01:07	R 13:14	30	R 04:35	S 18:19	16	S 08:24	R 20:29	3	R 12:50		23	R 04:42	S 16:08
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			6	R 07:05	S 18:57	25	R 00:15	S 11:25	13	S 03:10	R 16:08	AUGUST			19	S 10:58	R 22:26	6	S 01:47	R 14:49			
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Makali'i

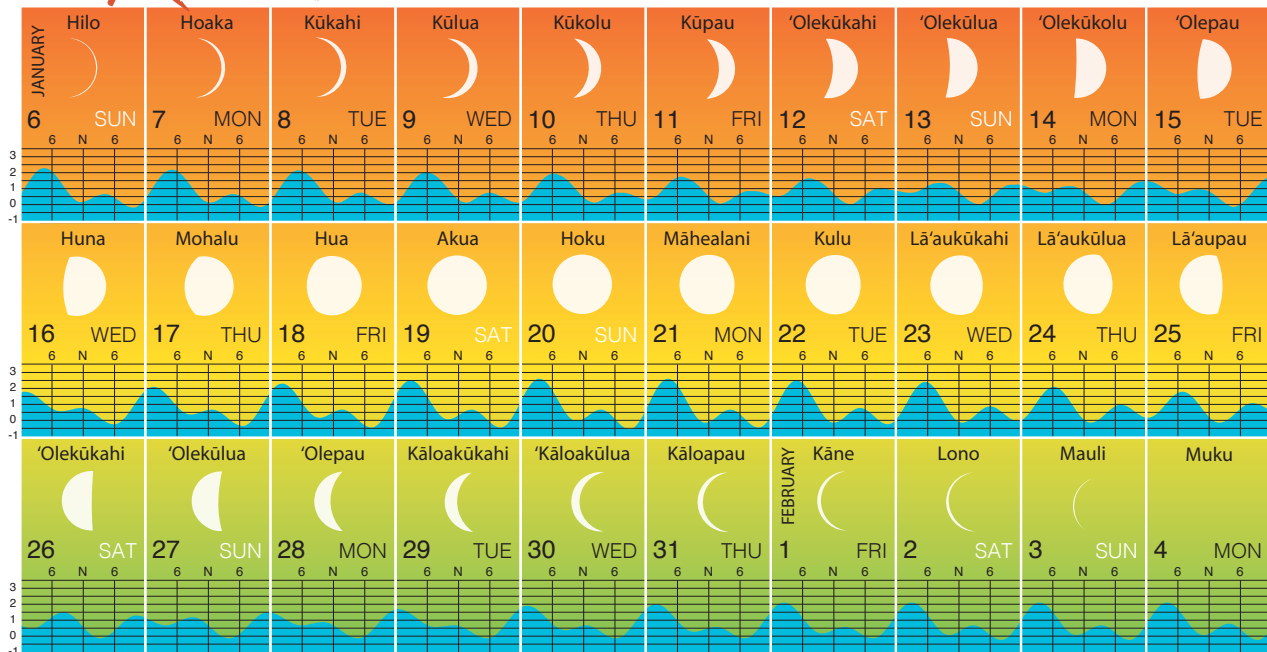
Kēkēmapa 8, 2018 - 'Ianuali 5, 2019



December 25: Christmas Day • January 1: New Years Day

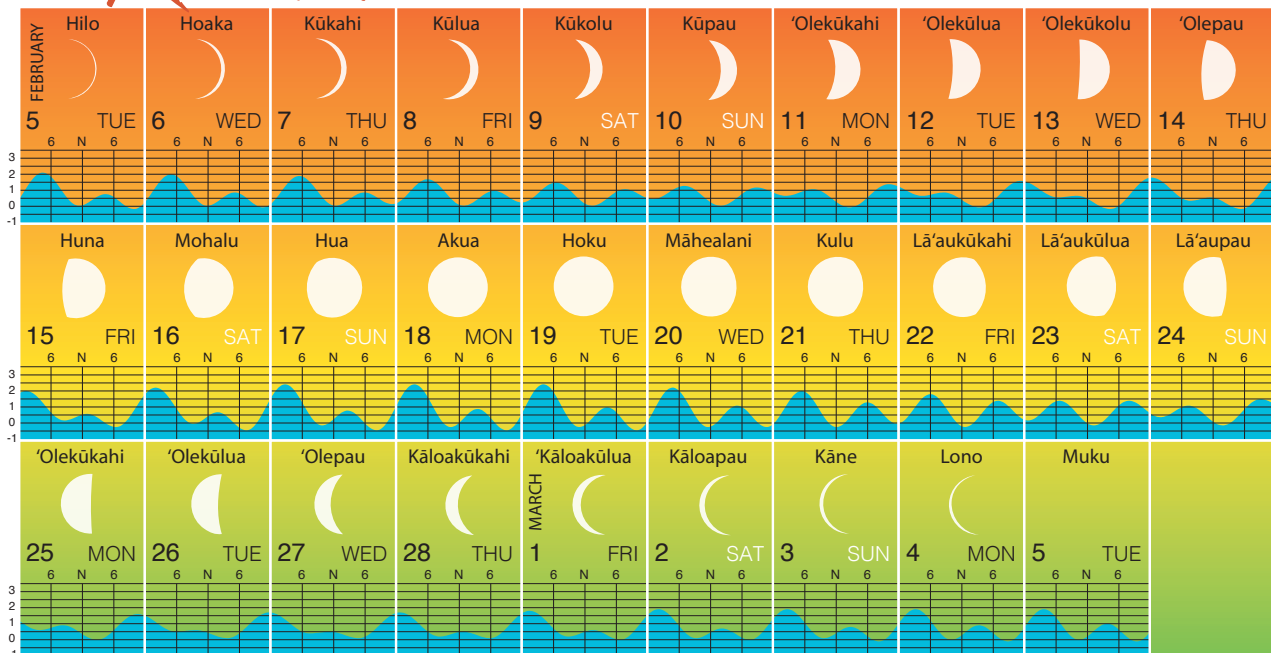
Kā'elo

Januali 6 - Pepehuali 4, 2019



Kaula

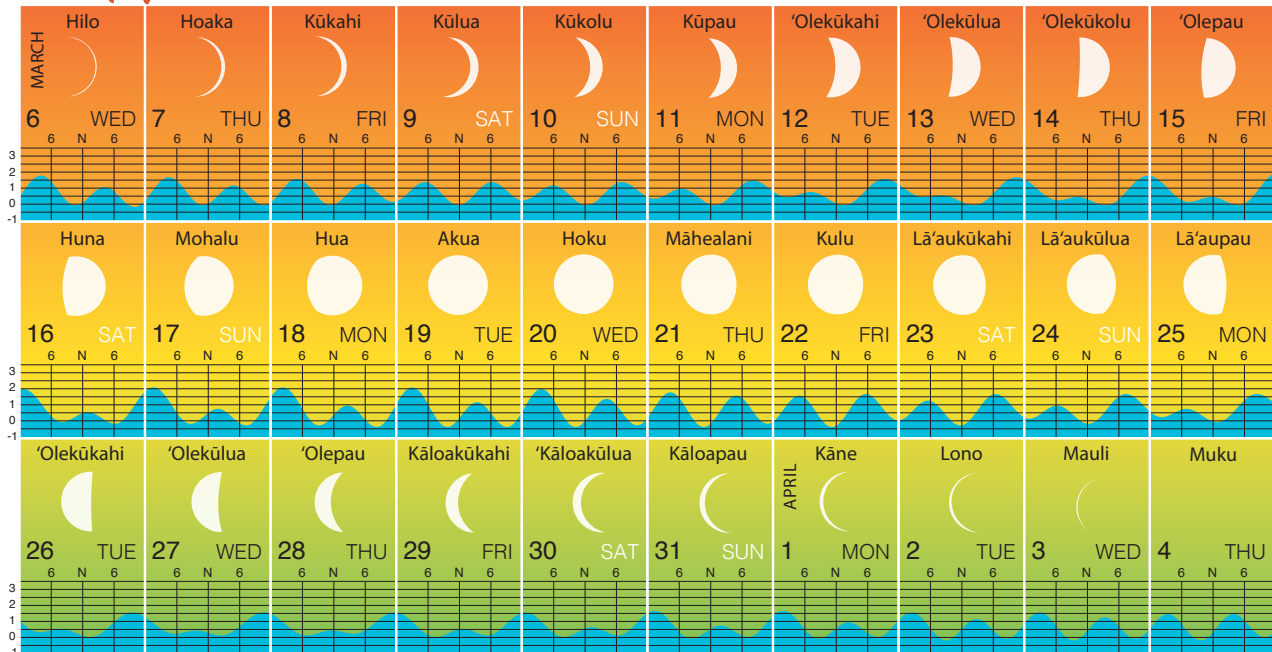
Pepehualā 5 - Malaki 5, 2019



February 18: Presidents Day

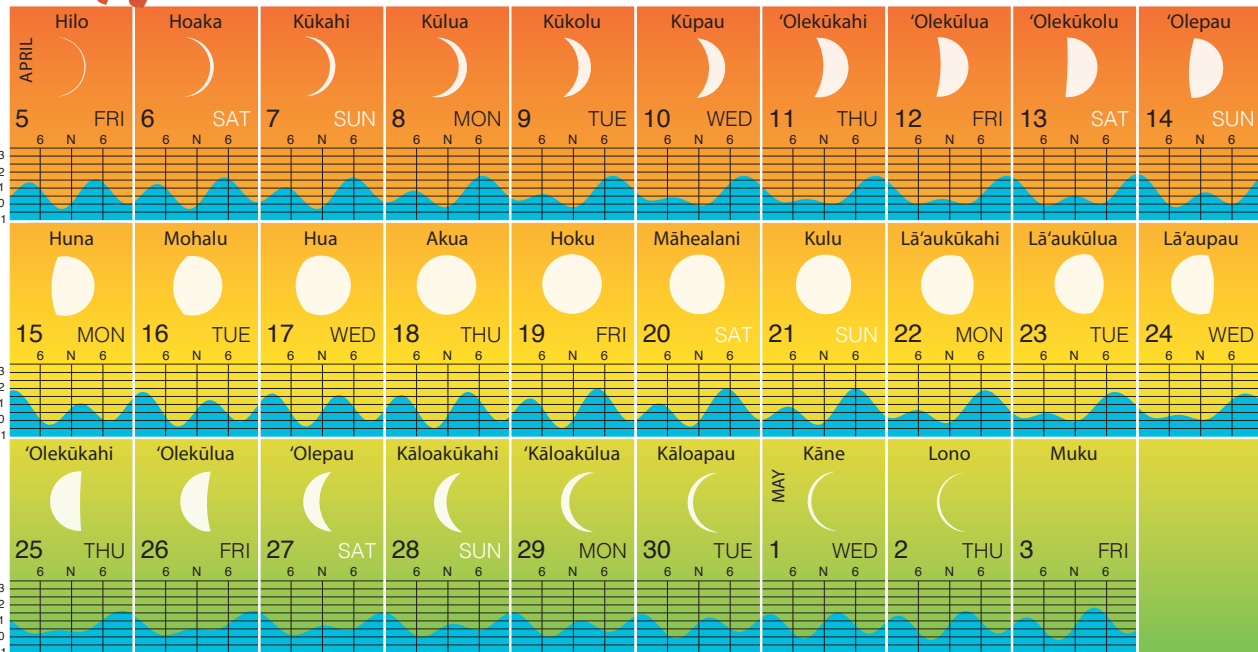
Nana

Malaki 6 - Apelila 4, 2019



Welo

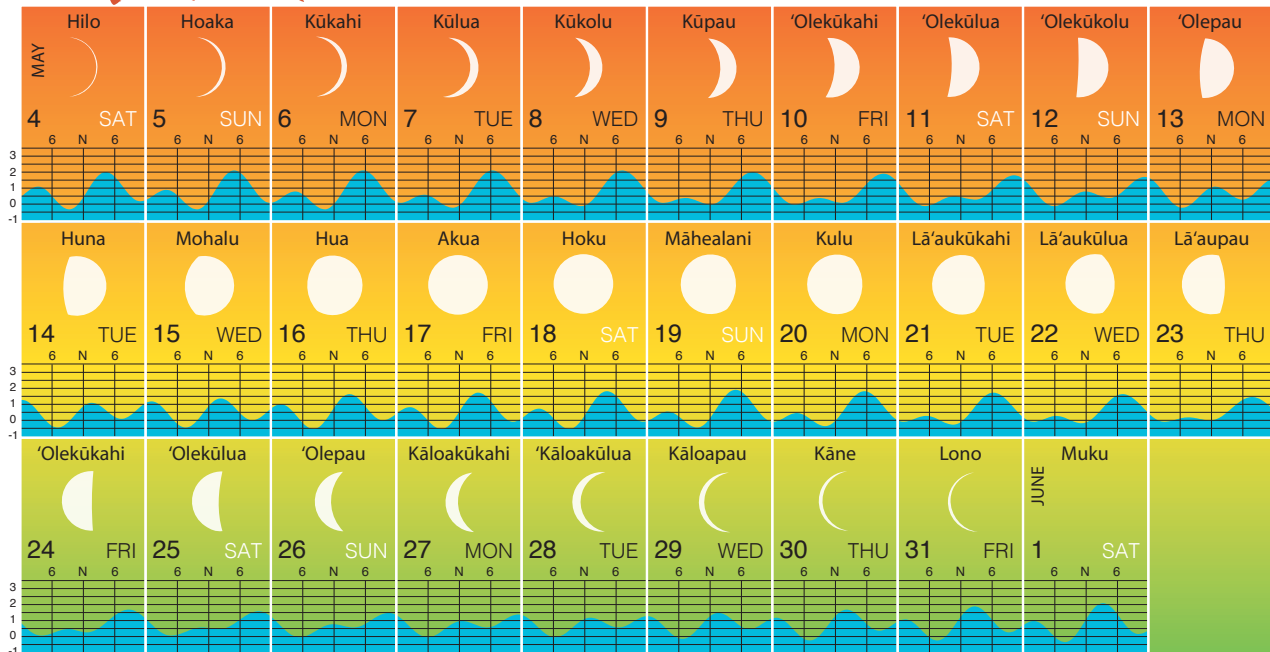
Apelita 5- Mei 3, 2019



April 19: Good Friday, April 21: Easter Sunday

Ikiiki

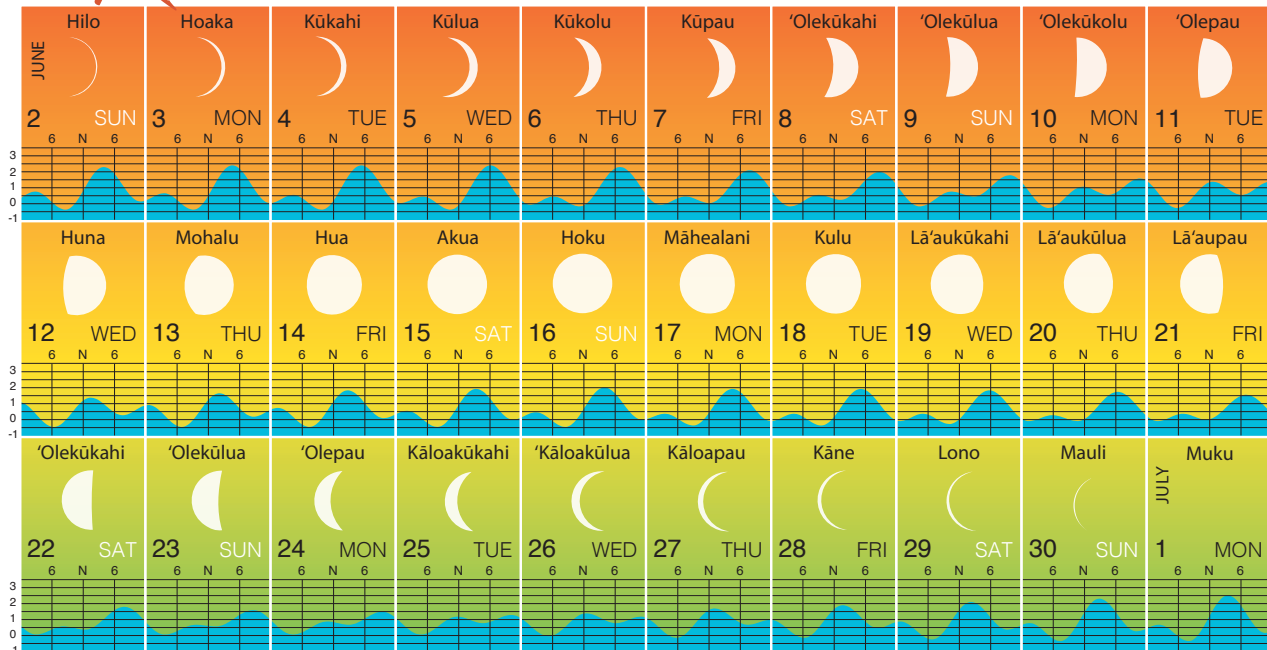
Mei 4 - June 1, 2019



May 27: Memorial Day

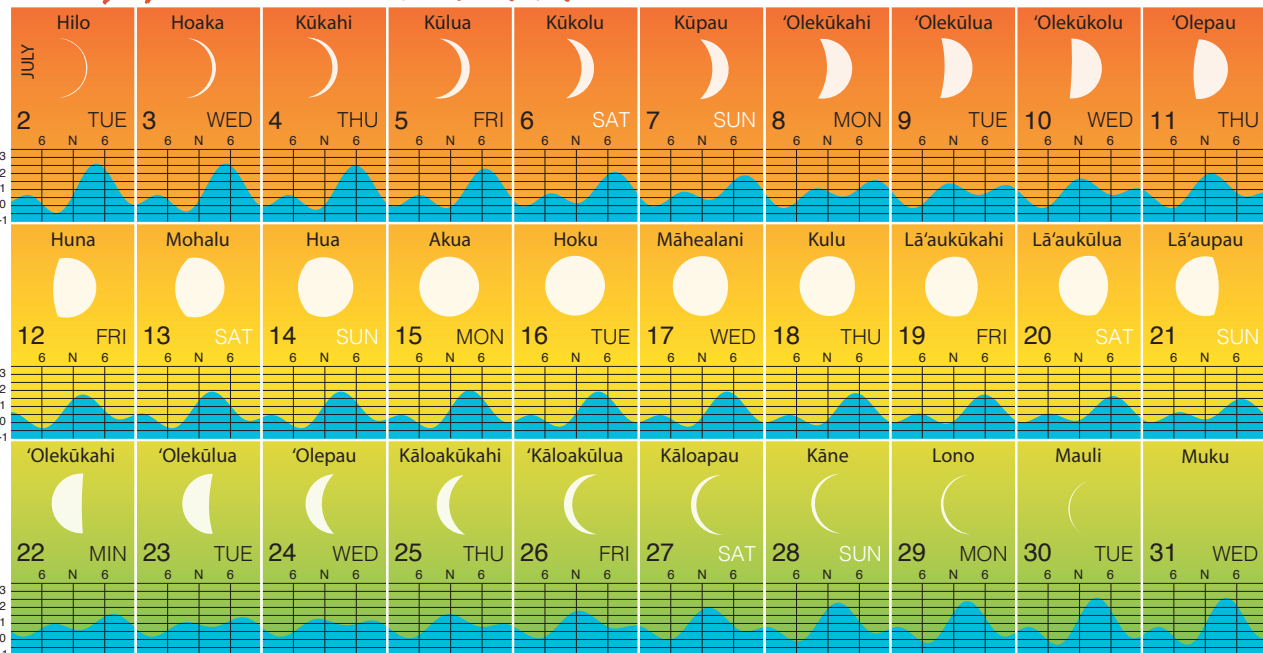
Ka'aona

June 2 - July 1, 2019



Hinai'e'e'e

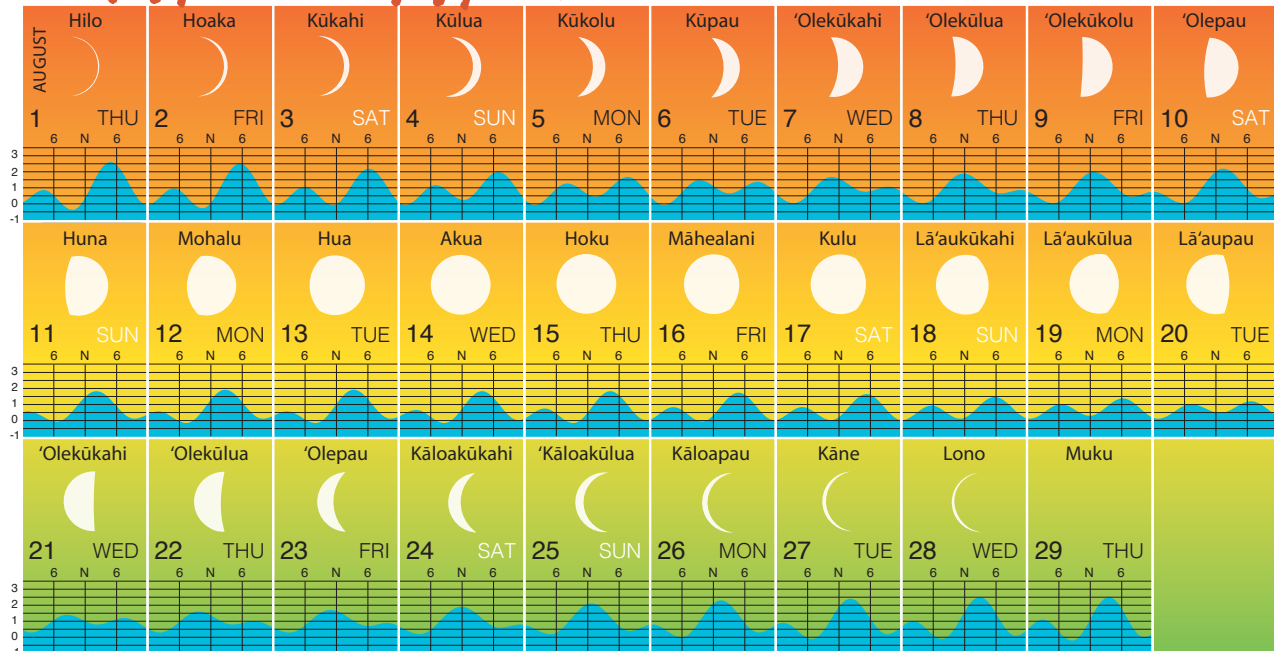
July 2 - July 31, 2019



July 4: Independence Day

Mahoe Mui

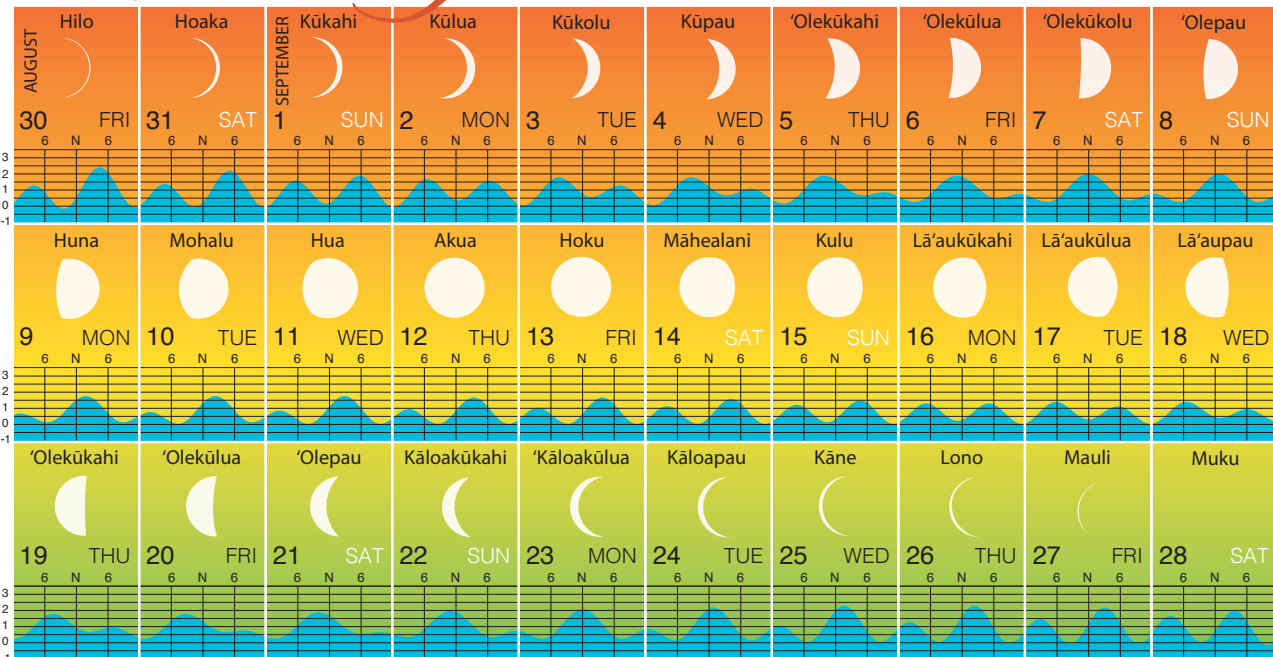
Aukake 1 Aukake 29, 2019



August 16: Statehood Day

Mahoe Hope

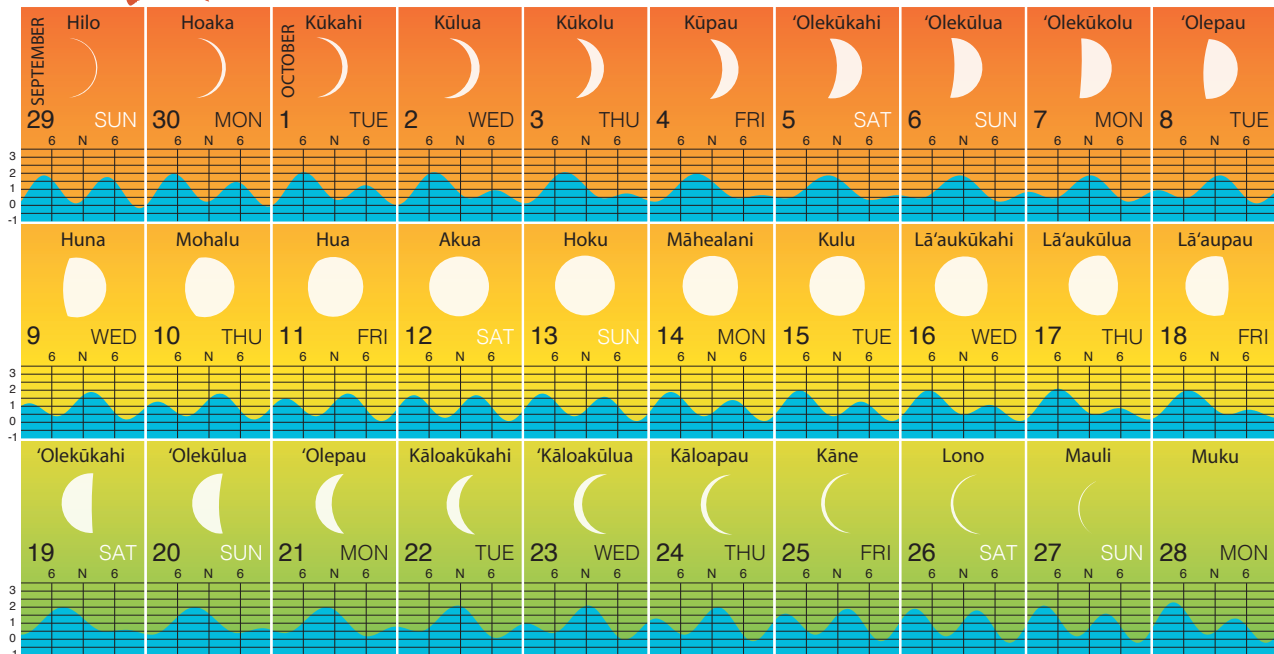
Aukake 30-Kepakemape 28, 2019



September 2: Labor Day

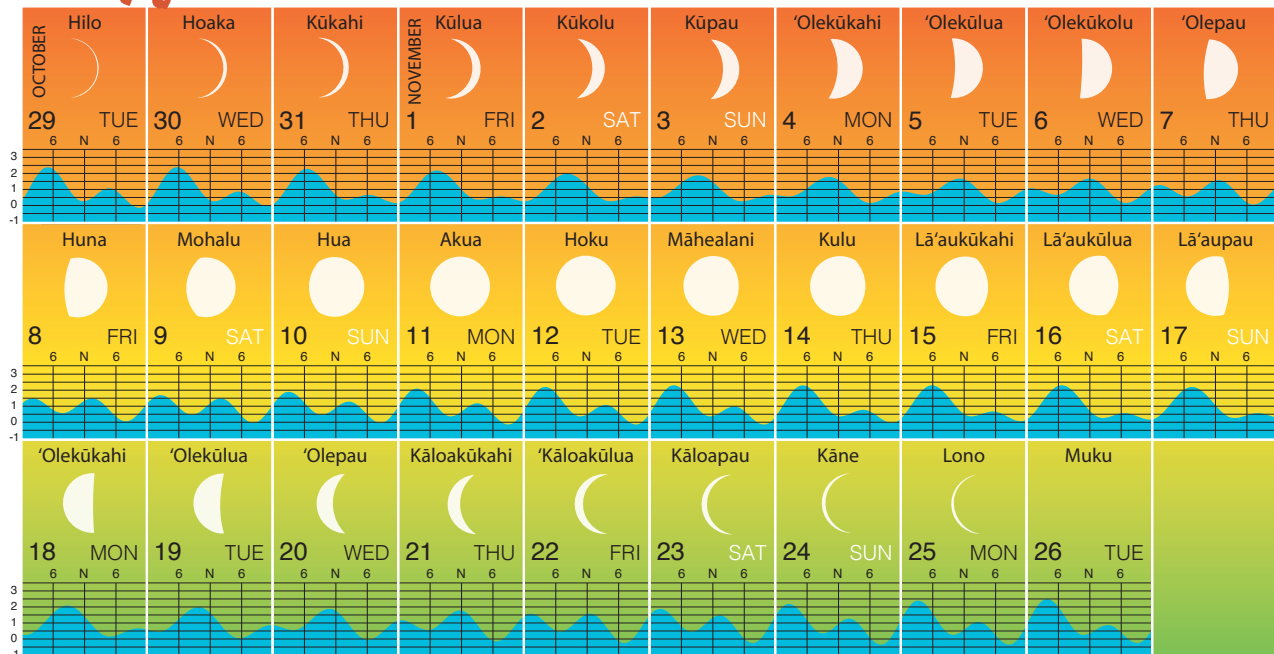
'Ikuwā

Kepakemape 29-'Okakopa 28, 2019



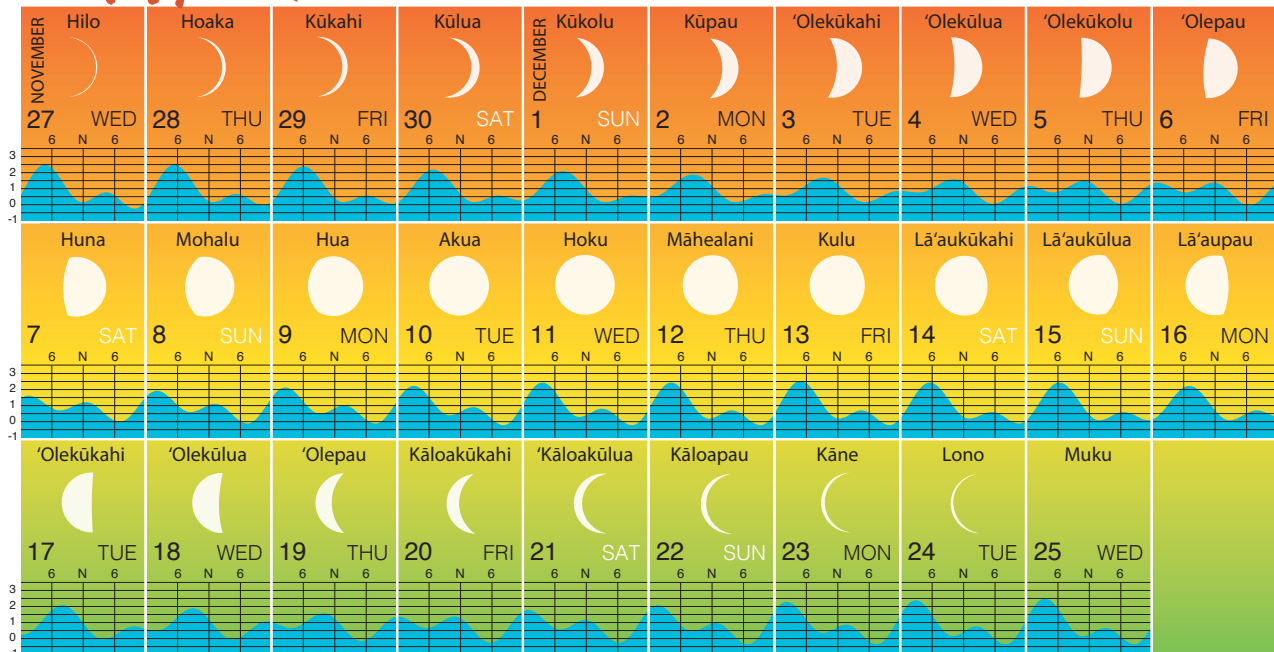
Welehu

'Okakopa 29-Novemapa 26, 2019



Makali'i

Nowemapa 27-Kēkēmapa 25, 2019



November 28: Thanksgiving • December 25: Christmas Day

About This Calendar

In the traditional Hawaiian calendar, the 29.5-day *mahina* (moon) cycle is divided into three *anahulu* (10-day periods): *ho'onui* (growing bigger), beginning on the first visible crescent; *poepoe* (round

or full); and *emi* (decreasing). The traditional names of the Hawaiian moon months and phases may vary by island and *moku* (district). This calendar uses the O'ahu moon phases listed in the *Hawaiian Almanac* by Clarice Taylor. The tides are for Honolulu.

About the Council

The Western Pacific Regional Fishery Management Council is one of eight councils established by Congress in 1976. Under the Magnuson-Stevens Fishery Conservation and Management Act (MSA), the Western Pacific Council has authority over fisheries in the Pacific Ocean seaward of state/territorial waters of Hawai'i, American Samoa, Guam, the Commonwealth of the Northern Mariana Islands and eight US Pacific remote island areas.

The MSA mandates the establishment of Advisory Panels (APs) to assist the councils in the collection and evaluation of infor-

mation relevant to the development and amendment of its fishery management plans. The Hawai'i AP assists the Western Pacific Council with the Hawai'i Archipelago and Pacific Pelagic Fishery Ecosystem Plans.

AP members are appointed by the Council and serve four-year terms. They represent a balance of commercial, recreational and other interests.

Decisions and recommendations made by the APs are advisory. Regular and emergency meetings of the APs are open to the public unless they pertain to matters of national security, employment or litigation.

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