

revised 10-3-2013

Celestial Events for 2014
 Hōkūlani Imaginarium
 Windward Community College
 Joseph Ciotti

all times HST

Month	Day	Time	Celestial Event
Jan	1	1:15 am	New Moon
	1	1:54 am	Moon at perigee (closest to earth)
	3	best after midnight	Quadrantid Meteor Shower peak
	4	1:59 am	Perihelion (earth closest to sun)
	7	5:41 pm	First Quarter (Waxing Half) Moon
	15	3:53 pm	Moon at apogee (farthest from earth)
	15	6:54 pm	Full Moon (Micro Moon: smallest/dimmest full moon that occurs nearest apogee)
	23	7:21 pm	Last Quarter (Waning Half) Moon
	29	11:50 pm	Moon at perigee (closest to earth)
	30	11:40 am	New Moon
Feb	6	9:23 am	First Quarter (Waxing Half) Moon
	11	7:11 pm	Moon at apogee (farthest from earth)
	14	1:55 pm	Full Moon
	22	7:17 am	Last Quarter (Waning Half) Moon
	27	9:52 am	Moon at perigee (closest to earth)
	28	10:03 pm	New Moon
Mar	8	3:27 am	First Quarter (Waxing Half) Moon
	11	9:44 am	Moon at apogee (farthest from earth)
	16	7:11 am	Full Moon
	20	6:57 am	Vernal Equinox (first day of spring)
	23	3:48 pm	Last Quarter (Waning Half) Moon
	27	8:38 am	Moon at perigee (closest to earth)
	30	8:48 am	New Moon
Apr	6	10:32 pm	First Quarter (Waxing Half) Moon
	8	5:00 am	Moon at apogee (farthest from earth)
	14	9:45 pm	Full Moon
	14	9:46 pm	Total Lunar Eclipse (7:59 pm – 11:32 pm)
	21	9:53 pm	Last Quarter (Waning Half) Moon
	22	2:21 pm	Moon at perigee (closest to earth)
	22	best after midnight	Lyrid Meteor Shower peak
	28	8:18 pm	New Moon

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May	5	best after midnight	Eta Aquarid Meteor Shower peak
	6	12:24 am	Moon at apogee (farthest from earth)
	6	5:17 pm	First Quarter (Waxing Half) Moon
	14	9:19 am	Full Moon
	18	2:00 am	Moon at perigee (closest to earth)
	18	12:17 pm	Hilo (kau ka lā i ka lolo = "Lāhaina Noon")
	18	12:21 pm	Kailua-Kona (kau ka lā i ka lolo = "Lāhaina Noon")
	21	3:01 am	Last Quarter (Waning Half) Moon
	23	12:21 pm	Hāna (kau ka lā i ka lolo = "Lāhaina Noon")
	23	12:25 pm	Lāna'i City (kau ka lā i ka lolo = "Lāhaina Noon")
	23	9:30 pm (peak)	"209P-ids" Meteor Shower from Comet 209P/LINEAR (this newly found shower predicted far north of Camelopardalis; may display over 1,000 meteors per hour)
	24	12:23 pm	Kahului (kau ka lā i ka lolo = "Lāhaina Noon")
	24	12:24 pm	Lāhaina (kau ka lā i ka lolo = "Lāhaina Noon")
	25	12:25 pm	Kaunakakai (kau ka lā i ka lolo = "Lāhaina Noon")
	26	12:29 pm	Honolulu (kau ka lā i ka lolo = "Lāhaina Noon")
	27	12:29 pm	Kāne'ohē (kau ka lā i ka lolo = "Lāhaina Noon")
	28	8:43 am	New Moon
	31	12:35 pm	Līhue (kau ka lā i ka lolo = "Lāhaina Noon")
Jun	2	6:19 pm	Moon at apogee (farthest from earth)
	5	10:41 am	First Quarter (Waxing Half) Moon
	12	6:14 pm	Full Moon
	14	5:33 pm	Moon at perigee (closest to earth)
	19	8:40 am	Last Quarter (Waning Half) Moon
	21	12:50 am	Summer Solstice (first day of summer)
	26	10:11 pm	New Moon
	30	9:24 am	Moon at apogee (farthest from earth)
Jul	3	2:14 pm	Aphelion (earth farthest from sun)
	5	2:01 am	First Quarter (Waxing Half) Moon
	11	12:43 pm	Līhue (kau ka lā i ka lolo = "Lāhaina Noon")
	12	1:27 am	Full Moon
	12	10:30 pm	Moon at perigee (closest to earth)
	15	12:37 pm	Kāne'ohē (kau ka lā i ka lolo = "Lāhaina Noon")
	15	12:38 pm	Honolulu (kau ka lā i ka lolo = "Lāhaina Noon")
	16	12:35 pm	Kaunakakai (kau ka lā i ka lolo = "Lāhaina Noon")
	17	12:33 pm	Lāhaina (kau ka lā i ka lolo = "Lāhaina Noon")

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	18	4:10 pm	Last Quarter (Waning Half) Moon
	18	12:32 pm	Kahului (kau ka lā i ka lolo = “Lāhaina Noon”)
	18	12:34 pm	Lāna‘i City (kau kā la i ka lolo = “Lāhaina Noon”)
	19	12:30 pm	Hāna (kau ka lā i ka lolo = “Lāhaina Noon”)
	24	12:27 pm	Hilo (kau ka lā i ka lolo = “Lāhaina Noon”)
	24	12:31 pm	Kailua-Kona (kau ka lā i ka lolo = “Lāhaina Noon”)
	26	12:43 pm	New Moon
	27	5:39 pm	Moon at apogee (farthest from earth)
	28	best after midnight	Delta Aquarid Meteor Shower peak
Aug	3	2:51 pm	First Quarter (Waxing Half) Moon
	4	12:30 am	Moon occults (covers) Saturn
	10	7:43 am	Moon at perigee (closest to earth)
	10	8:11 am	Full Moon (Super Full Moon: largest/brightest full moon that occurs nearest perigee)
	12	best after midnight	Perseid Meteor Shower peak
	17	2:27 am	Last Quarter (Waning Half) Moon.
	18	8:00 pm	Venus – Jupiter 0.25° apart
	23	8:10 pm	Moon at apogee (farthest from earth)
	25	4:13 am	New Moon
Sep	2	1:12 am	First Quarter (Waxing Half) Moon
	7	5:33 pm	Moon at perigee (closest to earth)
	8	3:39 pm	Full Moon
	15	4:06 pm	Last Quarter (Waning Half) Moon
	20	4:26 am	Moon at apogee (farthest from earth)
	22	4:26 pm	Autumnal Equinox (first day of fall)
	23	8:14 pm	New Moon
Oct	1	9:33 am	First Quarter (Waxing Half) Moon
	5	11:39 pm	Moon at perigee (closest to earth)
	8	12:51 am	Full Moon
	8	12:55 am	Total Lunar Eclipse (starts Oct 7 at 11:18 am – ends Oct 8 at 2:32 am)
	15	9:14 am	Last Quarter (Waning Half) Moon
	17	8:06 pm	Moon at apogee (farthest from earth)
	20	best after midnight	Orionid Meteor Shower peak
	23	11:56 am	New Moon
	30	4:49 pm	First Quarter (Waxing Half) Moon

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Nov	2	2:35 pm	Moon at perigee (closest to earth)
	4	best after midnight	South Taurid Meteor Shower peak
	6	12:23 pm	Full Moon
	11	best after midnight	North Taurid Meteor Shower peak
	14	5:18 am	Last Quarter (Waning Half) Moon
	14	3:48 pm	Moon at apogee (farthest from earth)
	17	best after midnight	Leonid Meteor Shower peak
	17	5:47 pm	Pleiades rise at sunset (first condition needed for declaring start of Makahiki; must wait until the sighting of first visible crescent moon after this date)
	22	2:32 am	New Moon
	23	sunset	Beginning of Makahiki with sighting of first visible crescent moon after rise of Pleiades (this unofficially could be consider beginning of Makahiki; technically someone must visually sight the first crescent moon that occurs after the Mahakihi rise at sunset)
	27	1:13 pm	Moon at perigee (closest to earth)
	29	12:07 am	First Quarter (Waxing Half) Moon
Dec	6	2:27 am	Full Moon
	12	1:03 pm	Moon at apogee (farthest from earth)
	13	best after midnight	Geminid Meteor Shower peak
	14	2:51 am	Last Quarter (Waning Half) Moon
	21	best after midnight	Ursid Meteor Shower peak
	21	1:03 pm	Winter Solstice (first day of winter)
	21	3:36 pm	New Moon
	24	6:43 am	Moon at perigee (closest to earth)
	28	8:33 am	First Quarter (Waxing Half) Moon