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**Celestial Events for 2012**  
 Hōkūlani Imaginarium  
 Windward Community College  
 Joseph Ciotti

all times HST

Month	Day	Time	Celestial Event
Jan	2	10:19 am	Moon at apogee (farthest from earth)
	3	9:23 pm	Quadrantid Meteor Shower peak
	4	5:59 pm	perihelion (earth closest to sun)
	4	11:17 pm	Moon-Pleiades (2.5° apart)
	17	11:28 am	Moon at perigee (closest to earth)
	30	7:42 am	Moon at apogee (farthest from earth)
Feb	11	8:32 am	Moon at perigee (closest to earth)
	27	4:02 am	Moon at apogee (farthest from earth)
Mar	10	12:02 am	Moon at perigee (closest to earth)
	13	evening	Venus-Jupiter (3° apart)
	19	7:14 pm	Vernal Equinox (first day of spring)
	25	8:04 pm	Moon at apogee (farthest from earth)
	25	evening	Moon-Jupiter (3° apart)
Apr	7	6:59 am	Moon at perigee (closest to earth)
	21	6:54 pm	Lyrid Meteor Shower peak
	22	3:39 am	Moon at apogee (farthest from earth)
May	4	8:08 am	Eta Aquarid Meteor Shower peak
	5	5:33 pm	Moon at perigee (closest to earth)
	18	12:17 pm	Hilo (kau ka la i ka lolo = "Lahaina Noon")
	18	12:17 pm	Kailua-Kona (kau ka la i ka lolo = "Lahaina Noon")
	19	6:13 pm	Moon at apogee (farthest from earth)
	20	2:03 – 4:11 pm	partial solar eclipse
	23	12:21 pm	Hana (kau ka la i ka lolo = "Lahaina Noon")
	24	12:23 pm	Kahului (kau ka la i ka lolo = "Lahaina Noon")
	24	12:24 pm	Lahaina (kau ka la i ka lolo = "Lahaina Noon")
	24	12:25 pm	Lanai City (kau ka la i ka lolo = "Lahaina Noon")
	26	12:26 pm	Kaunakakai (kau ka la i ka lolo = "Lahaina Noon")
	27	12:29 pm	Honolulu (kau ka la i ka lolo = "Lahaina Noon")
	27	12:29 pm	Kaneohe (kau ka la i ka lolo = "Lahaina Noon")
	31	12:37 pm	Lihue (kau ka la i ka lolo = "Lahaina Noon")
Jun	3	3:19 am	Moon at perigee (closest to earth)
	4	12:00 midnight – 2:06 am	partial lunar eclipse
	5	12:10 pm – 6:45 pm	transit of Venus

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	15	3:24 pm	Moon at apogee (farthest from earth)
	17	morning	Moon-Venus (4° apart)
	20	1:09 pm	Summer Solstice (first day of summer)
Jul	1	8:01 am	Moon at perigee (closest to earth)
	4	1:59 pm	Aphelion (earth farthest from sun)
	11	12:45 pm	Lihue (kau ka la i ka lolo = "Lahaina Noon")
	13	6:47 am	Moon at apogee (farthest from earth)
	15	morning	Moon-Venus (3.5° apart)
	15	12:37 pm	Kaneohe (kau ka la i ka lolo = "Lahaina Noon")
	16	12:38 pm	Honolulu (kau ka la i ka lolo = "Lahaina Noon")
	17	12:35 pm	Kaunakakai (kau ka la i ka lolo = "Lahaina Noon")
	18	12:32 pm	Kahului (kau ka la i ka lolo = "Lahaina Noon")
	18	12:33 pm	Lahaina (kau ka la i ka lolo = "Lahaina Noon")
	19	12:30 pm	Hana (kau ka la i ka lolo = "Lahaina Noon")
	19	12:34 pm	Lanai City (kau ka la i ka lolo = "Lahaina Noon")
	24	12:27 pm	Hilo (kau ka la i ka lolo = "Lahaina Noon")
	24	12:27 pm	Kailua-Kona (kau ka la i ka lolo = "Lahaina Noon")
	27	9:59 am	Delta Aquarid Shower peak
	28	10:30 pm	Moon at perigee (closest to earth)
Aug	10	12:51 am	Moon at apogee (farthest from earth)
	11	morning	Moon-Jupiter (2° apart)
	12	1:50 am	Perseid Meteor Shower peak
	13	morning	Moon-Venus (2° apart)
	14	evening	Mars-Saturn (2.75° apart)
	23	9:39 am	Moon at perigee (closest to earth)
Sep	6	10:00 pm	Moon at apogee (farthest from earth)
	8	morning	Moon-Jupiter (1.0° apart)
	18	4:52 pm	Moon at perigee (closest to earth)
	19	evening	Moon-Mars( 1.5° apart)
	22	4:49 am	Autumnal Equinox (first day of fall)
Oct	4	2:43 pm	Moon at apogee (farthest from earth)
	5	morning	Moon-Jupiter (3° apart)
	16	3:02 pm	Moon at perigee (closest to earth)
		6:08 pm	Orionid Meteor Shower peak
Nov	1	5:30 am	Moon at apogee (farthest from earth)
	4	6:36 pm	South Taurid Meteor Shower peak
	11	5:53 pm	North Taurid Meteor Shower peak
	14	12:22 am	Moon at perigee (closest to earth)
	17	12:10 am	Leonid Meteor Shower peak
	17	5:48 pm	Pleiades rise at sunset (first condition needed for declaring start of Makahiki; must wait until the

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			sighting of first visible crescent moon after this date)
	26	morning	Venus-Saturn (0.5° apart)
	28	9:35 am	Moon at apogee (farthest from earth)
Dec	11	morning	Moon-Venus (2° apart)
	12	1:14 pm	Moon at perigee (closest to earth)
	13	1:20 pm	Geminid Meteor Shower peak
	14	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)
	21	1:12 am	Winter Solstice (first day of winter)
	21	10: pm	Ursids Meteor Shower peak
	25	11:19 m	Moon at apogee (farthest from earth)