

## SUNSHINE GUIDE TO HAWAII VOLCANOES NATIONAL PARK, HAWAII

LOCATION: Hawaii Volcanoes National Park is located on the slopes of Mauna Loa, Kilauea, and a number of other volcanoes in the eastern part of the big island of Hawaii. Weather is a matter of elevation and slope exposure within the Park, with elevations ranging from sea level to 13,677 feet above it at the summit of Mauna Loa. Northeast slopes are exposed to the trade winds much of the year, whereas southwest ones are often in the lee of various peaks. Table values are characteristic of the Park Headquarters and Visitor's Center at Volcano, on the rim of the Kilauea Caldera. Elevations there are about 4,000 feet.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
HOURS OF DAYLIGHT	11:06	11:30	12:02	12:35	13:03	13:17	13:11	12:48	12:16	11:43	11:15	11:00
HOURS OF SUNSHINE	5:45	5:55	5:43	5:22	5:58	6:54	6:37	6:25	6:17	5:30	4:45	4:53
AREA OF BLUE SKY	41%	39%	31%	25%	29%	32%	32%	34%	37%	34%	33%	37%
LOW FOR MONTH	44°	43°	44°	46°	47°	50°	51°	50°	50°	50°	47°	45°
SUNRISE TEMPERATURE	50°	50°	51°	52°	53°	54°	55°	56°	55°	55°	53°	52°
AFTERNOON TEMPERATURE	66°	66°	65°	66°	68°	69°	71°	71°	71°	71°	68°	66°
HIGH FOR MONTH	72°	73°	72°	73°	76°	76°	78°	76°	78°	75°	74°	72°
FROSTY MORNINGS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AFTERNOONS OVER 90°	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
AFTERNOON HUMIDITY	68%	67%	68%	69%	67%	65%	67%	68%	68%	69%	72%	70%
DRY DAYS	47%	45%	36%	31%	36%	36%	30%	32%	37%	38%	35%	39%
REASONABLY DRY DAYS	57%	53%	47%	45%	48%	56%	63%	58%	62%	62%	49%	52%
5-DAY PRECIPITATION	1.92	1.81	2.08	1.60	1.07	0.74	0.87	1.17	0.84	1.09	1.86	1.76
SNOWY DAYS	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
THUNDER DAYS	3%	4%	4%	3%	2%	0%	1%	1%	1%	3%	3%	3%
FOGGY DAYS	26%	25%	19%	20%	16%	13%	16%	13%	13%	10%	7%	13%

COMMENTS: Bright sunshine is probable on 48% of the year's daylight hours. This might range from a low of 42% in November, to a high of 52% in January and again in June. The year's lowest temperature should be close to 40°, and the highest might well be near 82°. Sensible afternoon temperatures (the ones you actually feel) will be essentially the same as actual ones—a bit lower than actual on cooler days, and a bit higher than actual on warmer ones. There are two traditional Hawaiian seasons. The *kau* is dominated by the northeast trade winds, and runs from May through October. The days are longer, there are more hours of sunshine (but not a higher percentage), temperatures are a few degrees warmer, and the rains are lighter and less frequent. The *hoo-ilo* extends from November through April. Days are shorter, there's less sunshine, temperatures are lower, and the rains are heavier and more persistent. Expect temperatures to drop an average of 3° per thousand feet of increased elevation.