

Table 5.47-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2022

[Normals are 30-year averages (1991 - 2020)]

Subject	Hilo	Kahului	Honolulu	Lihue
Temperatures (°F)				
Normal daily maximum, annual	80.6	86.1	84.6	81.6
Highest daily maximum	94	97	95	91
Month and year of occurrence	Nov 2013	Sep 2019	Aug 2019	Sep 2019
Normal daily minimum, annual	67.3	68.1	71.5	71.0
Lowest daily minimum	-42	22	53	50
Month and year of occurrence	Mar 2021	Jan 2004	Jan 1998	Jan 1969
Normal dry bulb (temperature of ambient air)				
Coolest	71.2	72.9	73.6	72.2
Month	Feb	Jan	Jan	Feb
Warmest	76.6	81.1	82.2	80.2
Month	Aug	Aug	Aug	Aug
Annual	74.0	77.1	78.0	76.3
Normal no. days with maximum 90°F and above	1.6	38.7	31.6	0.8
Normal relative humidity (percent), annual				
8 a.m.	80	74	72	77
2 p.m.	68	58	56	66
Percent of possible sunshine, annual	41	(NA)	71	59
Mean no. days (annual) with				
Clear	35.5	130.5	90.0	55.3
Partly cloudy	131.3	145.2	179.8	183.2
Cloudy	195.3	89.5	92.0	123.2
Wind speed (m.p.h.), annual				
Mean	6.7	12.8	10.3	13.2
Maximum 2-minute	39	48.0	40	48
Month and year of occurrence	Aug 2014	Jan 2004	Jan 2004	Dec 2007
Precipitation (inches)				
Normal, annual	120.39	16.21	16.41	36.22
Maximum monthly	50.82	14.46	20.79	36.13
Month and year of occurrence	Dec 1954	Jan 1980	Mar 1951	Mar 2006
Minimum monthly	0.13	-	0.01	0.08
Month and year of occurrence	Jan 1998	Jun 1957	Dec 2012	Dec 2005
Maximum in 24 hours	27.36	7.01	17.07	40.00
Month and year of occurrence	Nov 2000	Jan 1980	Mar 1958	Aug 2019

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NA Not available.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 2022*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual)
<<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed April 25, 2023.