

Table 5.38-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2010

[Normals are 30-year averages (1971 - 2000)]

Subject	Hilo	Kahului	Honolulu	Lihue
Temperatures (°F)				
Normal daily maximum, annual	81.0	84.3	84.7	81.1
Highest daily maximum	94	97	95	90
Month and year of occurrence	May 1966	Aug 1994	Sep 1994	Sep 1995
Normal daily minimum, annual	66.7	67.3	70.2	70.3
Lowest daily minimum	53	22	53	50
Month and year of occurrence	Feb 1962	Jan 2004	Jan 1998	Jan 1969
Normal dry bulb (temperature of ambient air)				
Coolest	71.4	71.8	73.0	71.7
Month	Jan	Jan	Jan, Feb	Jan, Feb
Warmest	76.3	79.5	81.8	79.7
Month	Aug	Aug	Aug	Aug
Annual	73.9	75.8	77.5	75.7
Normal no. days with maximum 90°F and above	1.2	25.9	35.5	0.3
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	67	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	6.8	13.1	10.4	13.5
Maximum 2-minute	37	48	40	48
Month and year of occurrence	Feb 2006	Jan 2004	Jan 2004	Dec 2007
Precipitation (inches)				
Normal, annual	126.27	18.80	18.29	39.57
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	-	(1/)	(1/)
Month and year of occurrence	Jan 1998	Jun 1957	Aug 1974	Feb 1983
Maximum in 24 hours	27.36	7.01	17.07	11.54
Month and year of occurrence	Nov 2000	Jan 1980	Mar 1958	Dec 1968

1/ Trace precipitation.

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 2010*, "Normals, Means, and Extremes", for Hilo, Kahului, Honolulu, and Lihue (annual).