

Table 5.47-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2021

[Normals are 30-year averages (1991 - 2021)]

| Subject | Hilo | Kahului | Honolulu | Lihue |
|--|----------|----------|----------|----------|
| Temperatures (°F) | | | | |
| Normal daily maximum, annual | 80.9 | 84.3 | 84.4 | 81.2 |
| Highest daily maximum | 94 | 97 | 95 | 91 |
| Month and year of occurrence | Nov 2013 | Sep 2019 | Aug 2019 | Sep 2019 |
| Normal daily minimum, annual | 66.8 | 67.4 | 70.9 | 70.4 |
| 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 | 71.8 | 73.1 | 71.6 |
| Month | Feb | Feb | Feb | Feb |
| Warmest | 76.4 | 79.7 | 81.9 | 79.7 |
| Month | Aug | Aug | Aug | Aug |
| Annual | 73.9 | 75.8 | 77.7 | 75.8 |
| Normal no. days with maximum 90°F and above | - | 17.0 | 18.7 | 0.1 |
| 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 | 13.3 |
| 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 | 126.72 | 17.83 | 17.10 | 37.05 |
| 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, 2021*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual)
<<http://www.ncdc.noaa.gov/IPS/lcd/lcd.html>> accessed April 28, 2022.