

**Table 5.46-- CLIMATIC NORMALS, MEANS, AND EXTREMES FOR HILO, KAHULUI, HONOLULU, AND LIHUE AIRPORTS: 2014**

[Normals are 30-year averages (1981 - 2010)]

| 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 | Aug 1994 | Sep 1994 | Oct 2012 |
| Normal daily minimum, annual                 | 66.8     | 67.4     | 70.9     | 70.4     |
| 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                                      | 71.2     | 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       | 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   | 6.7      | 12.9     | 10.4     | 13.4     |
| Maximum 2-minute                             | 39       | 48       | 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    | 11.54    |
| Month and year of occurrence                 | Nov 2000 | Jan 1980 | Mar 1958 | Dec 1968 |

Source: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Climatic Data Center, *Local Climatological Data, Annual Summary with Comparative Data, 2014*, "Normals, Means, and Extremes," for Hilo, Kahului, Honolulu, and Lihue (annual).