

**HONOLULU INTL, HI, United States of America****Annual Climatic Design Data (1994–2019)**

| Latitude | Longitude | Elevation ft | Standard Station<br>Pressure psi | Winter<br>Temperature °F | Summer<br>Temperature °F | Extreme Wind<br>Speed mph | Extreme Wind<br>Direction |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 21.324N  | 157.929W  | 7            | 14.69                            | 63.5                     | 89.6                     | 22.6                      | ENE                       |

**Monthly Winds (1994–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 10  | 8   | 7   | 4   | 5   | 3   | 2   | 3   | 5   | 7   | 7   | 9   |

**Prevailing Wind #1**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  |
| %OCC    | 17   | 20   | 25   | 35   | 34   | 45   | 47   | 45   | 36   | 34   | 30   | 26   |
| AVG mph | 12.8 | 13.1 | 13.9 | 13.9 | 13.2 | 13.5 | 13.7 | 13.8 | 12.8 | 12.9 | 13.3 | 13.7 |
| MED mph | 12.4 | 12.7 | 13.8 | 13.8 | 12.8 | 13.1 | 13.5 | 13.6 | 12.4 | 12.5 | 12.9 | 13.5 |

**Prevailing Wind #2**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | NE   | NE   | NE   | NE   | NE   | NE   | NE   | NE   | NE   | NE   | NE   | NE   |
| %OCC    | 13   | 16   | 18   | 25   | 23   | 29   | 29   | 28   | 26   | 22   | 22   | 18   |
| AVG mph | 11.4 | 12.0 | 12.8 | 13.0 | 12.3 | 12.5 | 12.6 | 12.6 | 11.8 | 11.8 | 12.0 | 12.0 |
| MED mph | 11.1 | 11.7 | 12.4 | 12.7 | 12.2 | 12.4 | 12.4 | 12.4 | 11.8 | 11.6 | 11.7 | 11.7 |

**Prevailing Wind #3**

|         |     |     |     |     |     |      |      |      |     |      |     |     |
|---------|-----|-----|-----|-----|-----|------|------|------|-----|------|-----|-----|
| DIR     | NNW | NNE | NNE | NNE | NNE | E    | E    | E    | NNE | E    | NNE | NNW |
| %OCC    | 9   | 8   | 8   | 7   | 7   | 8    | 8    | 8    | 8   | 8    | 7   | 7   |
| AVG mph | 6.4 | 8.6 | 9.3 | 9.0 | 8.6 | 11.8 | 12.2 | 12.0 | 8.4 | 11.0 | 8.5 | 5.9 |
| MED mph | 5.0 | 7.6 | 8.6 | 8.1 | 6.9 | 11.5 | 11.9 | 11.5 | 6.9 | 10.8 | 7.4 | 4.8 |

**Prevailing Wind #4**

|         |     |     |     |      |      |     |     |     |      |     |      |     |
|---------|-----|-----|-----|------|------|-----|-----|-----|------|-----|------|-----|
| DIR     | NNE | NNW | NNW | E    | E    | NNE | NNE | NNE | E    | NNE | E    | NNE |
| %OCC    | 7   | 8   | 7   | 7    | 6    | 6   | 7   | 7   | 8    | 7   | 6    | 6   |
| AVG mph | 8.1 | 6.5 | 6.7 | 11.6 | 11.1 | 9.0 | 9.4 | 9.2 | 11.2 | 8.0 | 10.7 | 8.1 |
| MED mph | 6.9 | 5.2 | 5.5 | 11.3 | 10.8 | 7.8 | 9.1 | 8.3 | 10.8 | 6.8 | 10.5 | 6.8 |