

**KANEOHE MCAS, 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 21.450N  | 157.768W  | 24           | 14.68                            | 63.8                     | 85.8                     | 18.7                      | ENE                       |

**Monthly Winds (1994–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 20  | 16  | 15  | 8   | 10  | 4   | 3   | 5   | 9   | 12  | 15  | 18  |

**Prevailing Wind #1**

|         |      |      |      |      |      |      |      |     |     |     |      |      |
|---------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| DIR     | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE  | ENE | ENE | ENE | ENE  | ENE  |
| %OCC    | 18   | 22   | 26   | 41   | 39   | 53   | 56   | 53  | 45  | 39  | 32   | 26   |
| AVG mph | 9.9  | 10.1 | 10.7 | 10.5 | 9.8  | 9.8  | 9.9  | 9.7 | 9.4 | 9.8 | 10.3 | 10.7 |
| MED mph | 10.0 | 10.1 | 10.8 | 10.5 | 10.0 | 10.1 | 10.1 | 9.9 | 9.7 | 9.9 | 10.3 | 10.7 |

**Prevailing Wind #2**

|         |     |      |      |      |     |     |      |     |     |     |     |     |
|---------|-----|------|------|------|-----|-----|------|-----|-----|-----|-----|-----|
| DIR     | E   | NE   | NE   | NE   | E   | E   | NE   | E   | E   | E   | E   | E   |
| %OCC    | 12  | 14   | 15   | 17   | 19  | 21  | 18   | 18  | 19  | 21  | 17  | 16  |
| AVG mph | 9.3 | 10.7 | 11.2 | 10.4 | 8.8 | 9.1 | 10.1 | 8.8 | 8.4 | 8.9 | 9.5 | 9.8 |
| MED mph | 9.5 | 10.5 | 11.1 | 10.4 | 9.1 | 9.4 | 10.2 | 9.1 | 8.6 | 9.2 | 9.7 | 9.8 |

**Prevailing Wind #3**

|         |     |     |     |     |     |      |     |      |     |     |      |      |
|---------|-----|-----|-----|-----|-----|------|-----|------|-----|-----|------|------|
| DIR     | NE  | E   | E   | E   | NE  | NE   | E   | NE   | NE  | NE  | NE   | NE   |
| %OCC    | 10  | 13  | 14  | 16  | 15  | 15   | 17  | 17   | 16  | 12  | 14   | 11   |
| AVG mph | 9.8 | 9.4 | 9.8 | 9.4 | 9.7 | 9.8  | 9.1 | 9.9  | 9.4 | 9.3 | 10.7 | 10.3 |
| MED mph | 9.6 | 9.5 | 9.9 | 9.6 | 9.9 | 10.0 | 9.4 | 10.1 | 9.6 | 9.5 | 10.5 | 10.1 |

**Prevailing Wind #4**

|         |      |      |      |      |     |     |     |     |     |     |     |      |
|---------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|
| DIR     | NNE  | NNE  | NNE  | NNE  | ESE | ESE | ESE | ESE | ESE | ESE | ESE | NNE  |
| %OCC    | 6    | 7    | 7    | 5    | 6   | 4   | 3   | 3   | 4   | 6   | 6   | 6    |
| AVG mph | 10.6 | 11.6 | 11.7 | 11.1 | 7.9 | 8.3 | 8.0 | 7.9 | 7.7 | 7.8 | 7.9 | 10.3 |
| MED mph | 9.6  | 11.2 | 10.9 | 10.6 | 7.8 | 8.5 | 7.8 | 7.6 | 7.5 | 7.6 | 7.6 | 9.4  |