

**MALAQUITE BEACH, TX, United States of America****Annual Climatic Design Data (2005–2019)**

| 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 27.581N  | 97.216W   | 33           | 14.68                            | 37.3                     | 89.0                     | 29.3                      | SSE                       |

**Monthly Winds (2005–2019)**

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 0   | 1   | 2   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |

**Prevailing Wind #1**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | N    | N    | SE   | SE   | SE   | SE   | SE   | SE   | ESE  | SE   | SSE  | N    |
| %OCC    | 16   | 15   | 22   | 25   | 31   | 34   | 33   | 27   | 16   | 17   | 15   | 17   |
| AVG mph | 16.6 | 17.2 | 15.3 | 17.4 | 18.1 | 17.0 | 15.7 | 14.7 | 14.2 | 15.7 | 15.7 | 15.5 |
| MED mph | 16.6 | 17.2 | 15.8 | 17.4 | 18.3 | 17.1 | 15.9 | 15.1 | 14.4 | 16.2 | 16.1 | 15.3 |

**Prevailing Wind #2**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | SSE  | SSE  | ESE  | ESE  | ESE  | SSE  | SSE  | SSE  | SE   | SSE  | N    | SE   |
| %OCC    | 10   | 14   | 16   | 19   | 20   | 25   | 26   | 22   | 15   | 14   | 15   | 12   |
| AVG mph | 13.3 | 14.8 | 12.9 | 14.7 | 16.4 | 17.7 | 15.8 | 14.2 | 15.3 | 17.2 | 16.3 | 13.4 |
| MED mph | 12.7 | 15.4 | 12.8 | 15.2 | 16.7 | 17.5 | 15.9 | 14.4 | 16.0 | 17.4 | 16.4 | 12.8 |

**Prevailing Wind #3**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | NNE  | SE   | SSE  | SSE  | SSE  | ESE  | ESE  | ESE  | E    | ESE  | SE   | NNW  |
| %OCC    | 10   | 13   | 12   | 13   | 17   | 16   | 15   | 16   | 13   | 13   | 14   | 11   |
| AVG mph | 15.2 | 13.3 | 15.7 | 19.0 | 18.6 | 15.0 | 13.8 | 12.9 | 13.4 | 13.9 | 14.1 | 14.6 |
| MED mph | 15.5 | 13.0 | 15.8 | 19.2 | 19.0 | 15.4 | 13.4 | 12.9 | 13.0 | 13.9 | 13.9 | 13.8 |

**Prevailing Wind #4**

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | NNW  | NNE  | E    | E    | E    | S    | S    | S    | SSE  | E    | ESE  | SSE  |
| %OCC    | 10   | 10   | 8    | 11   | 9    | 8    | 11   | 10   | 11   | 9    | 9    | 10   |
| AVG mph | 15.8 | 16.0 | 11.1 | 13.5 | 14.3 | 15.5 | 14.9 | 13.1 | 16.2 | 12.7 | 11.8 | 15.0 |
| MED mph | 15.7 | 15.8 | 11.1 | 13.3 | 14.3 | 15.3 | 15.0 | 12.9 | 16.4 | 12.4 | 11.4 | 15.6 |