

# PORT ARANSAS PIER, TX, 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 |
|----------|-----------|--------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 27.8259N | 97.0506W  | 0            | 14.70                            | 37.4                     | 86.2                     | 39.0                      | SE                        |

## Monthly Winds (1994–2019)

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

### Prevailing Wind #1

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | N    | N    | SE   | SE   | SE   | SE   | SE   | SE   | SE   | SE   | N    | N    |
| %OCC    | 18   | 15   | 18   | 24   | 32   | 35   | 33   | 27   | 15   | 17   | 18   | 20   |
| AVG mph | 17.8 | 18.5 | 15.7 | 19.4 | 19.5 | 18.1 | 16.1 | 15.9 | 15.5 | 16.5 | 16.9 | 16.3 |
| MED mph | 17.4 | 17.7 | 15.5 | 18.2 | 18.8 | 17.8 | 16.1 | 15.6 | 15.6 | 16.6 | 16.8 | 15.7 |

### Prevailing Wind #2

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | SE   | SE   | ESE  | ESE  | ESE  | ESE  | SSE  | SSE  | ESE  | ESE  | SE   | SE   |
| %OCC    | 11   | 14   | 18   | 22   | 24   | 21   | 25   | 20   | 14   | 13   | 15   | 12   |
| AVG mph | 13.0 | 14.2 | 14.0 | 16.4 | 17.8 | 16.3 | 15.9 | 15.2 | 13.5 | 13.8 | 14.1 | 13.7 |
| MED mph | 12.2 | 12.9 | 13.4 | 15.6 | 17.0 | 15.9 | 15.9 | 14.9 | 12.9 | 13.2 | 13.9 | 13.3 |

### Prevailing Wind #3

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | SSE  | SSE  | E    | E    | SSE  | SSE  | ESE  | ESE  | E    | N    | SSE  | NNW  |
| %OCC    | 9    | 10   | 11   | 12   | 12   | 20   | 17   | 17   | 12   | 12   | 12   | 10   |
| AVG mph | 14.0 | 14.7 | 12.7 | 15.0 | 19.2 | 17.6 | 13.9 | 14.0 | 13.4 | 16.8 | 15.6 | 15.2 |
| MED mph | 12.9 | 14.7 | 12.0 | 14.2 | 18.7 | 17.5 | 13.0 | 12.9 | 12.9 | 16.3 | 15.8 | 15.0 |

### Prevailing Wind #4

|         |      |      |      |      |      |      |      |      |      |      |      |      |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIR     | NNW  | ESE  | N    | SSE  | E    | E    | S    | E    | SSE  | SSE  | ESE  | SSE  |
| %OCC    | 9    | 10   | 9    | 10   | 10   | 7    | 9    | 9    | 11   | 11   | 9    | 10   |
| AVG mph | 16.0 | 12.7 | 18.4 | 19.1 | 16.3 | 14.6 | 14.4 | 12.7 | 16.6 | 17.4 | 12.8 | 15.1 |
| MED mph | 15.7 | 11.8 | 17.3 | 18.7 | 15.7 | 13.8 | 14.0 | 12.1 | 16.4 | 17.5 | 11.6 | 15.3 |