

# SEMARANG MARITIME, Indonesia

## Annual Climatic Design Data (2007–2019)

| Latitude | Longitude | Elevation m | Standard Station<br>Pressure kPa | Winter<br>Temperature °C | Summer<br>Temperature °C | Extreme Wind<br>Speed m/s | Extreme Wind<br>Direction |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 6.9508S  | 110.4183E | 3           | 101.29                           | 23.6                     | 34.2                     | 8.1                       | WNW                       |

## Monthly Winds (2007–2019)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 19  | 22  | 27  | 29  | 20  | 20  | 19  | 14  | 20  | 27  | 31  | 25  |

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | WNW | WNW | NW  | ESE | ESE | ESE | ESE | E   | E   | E   | ESE | WNW |
| %OCC    | 15  | 14  | 11  | 10  | 17  | 19  | 19  | 18  | 15  | 11  | 10  | 8   |
| AVG m/s | 5.5 | 5.3 | 3.9 | 1.9 | 2.3 | 2.2 | 2.4 | 2.7 | 2.6 | 2.5 | 1.9 | 4.1 |
| MED m/s | 5.3 | 4.9 | 3.7 | 1.9 | 2.1 | 2.0 | 2.1 | 2.5 | 2.4 | 2.3 | 1.8 | 3.9 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NW  | NW  | WNW | N   | E   | E   | E   | ESE | ESE | ESE | E   | NW  |
| %OCC    | 10  | 11  | 8   | 8   | 14  | 18  | 19  | 18  | 13  | 10  | 8   | 8   |
| AVG m/s | 4.7 | 4.5 | 4.0 | 3.4 | 2.6 | 2.7 | 2.7 | 2.5 | 2.2 | 2.1 | 2.1 | 3.5 |
| MED m/s | 4.3 | 4.2 | 3.9 | 3.3 | 2.4 | 2.6 | 2.6 | 2.2 | 2.0 | 1.9 | 2.0 | 3.4 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | WSW | W   | N   | NNW | ENE | SE  | ENE | ENE | NNW | NNW | NNW | N   |
| %OCC    | 10  | 10  | 8   | 7   | 8   | 7   | 8   | 8   | 7   | 8   | 7   | 7   |
| AVG m/s | 3.0 | 4.3 | 3.3 | 3.5 | 3.2 | 2.2 | 3.3 | 3.4 | 4.2 | 4.1 | 3.7 | 3.3 |
| MED m/s | 2.8 | 4.0 | 3.1 | 3.3 | 3.2 | 2.0 | 3.1 | 3.2 | 4.0 | 4.1 | 3.6 | 3.1 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | W   | WSW | NNW | E   | SE  | ENE | SE  | SE  | NW  | NW  | NW  | ESE |
| %OCC    | 9   | 8   | 8   | 7   | 7   | 6   | 7   | 7   | 7   | 6   | 6   | 6   |
| AVG m/s | 4.5 | 2.8 | 3.6 | 2.3 | 2.0 | 3.2 | 2.6 | 2.5 | 3.5 | 3.6 | 3.4 | 1.9 |
| MED m/s | 4.6 | 2.6 | 3.3 | 2.2 | 1.8 | 3.2 | 2.1 | 2.2 | 3.4 | 3.6 | 3.3 | 1.8 |