

内部

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# 海洋站观测资料

第 一 册

国家海洋局

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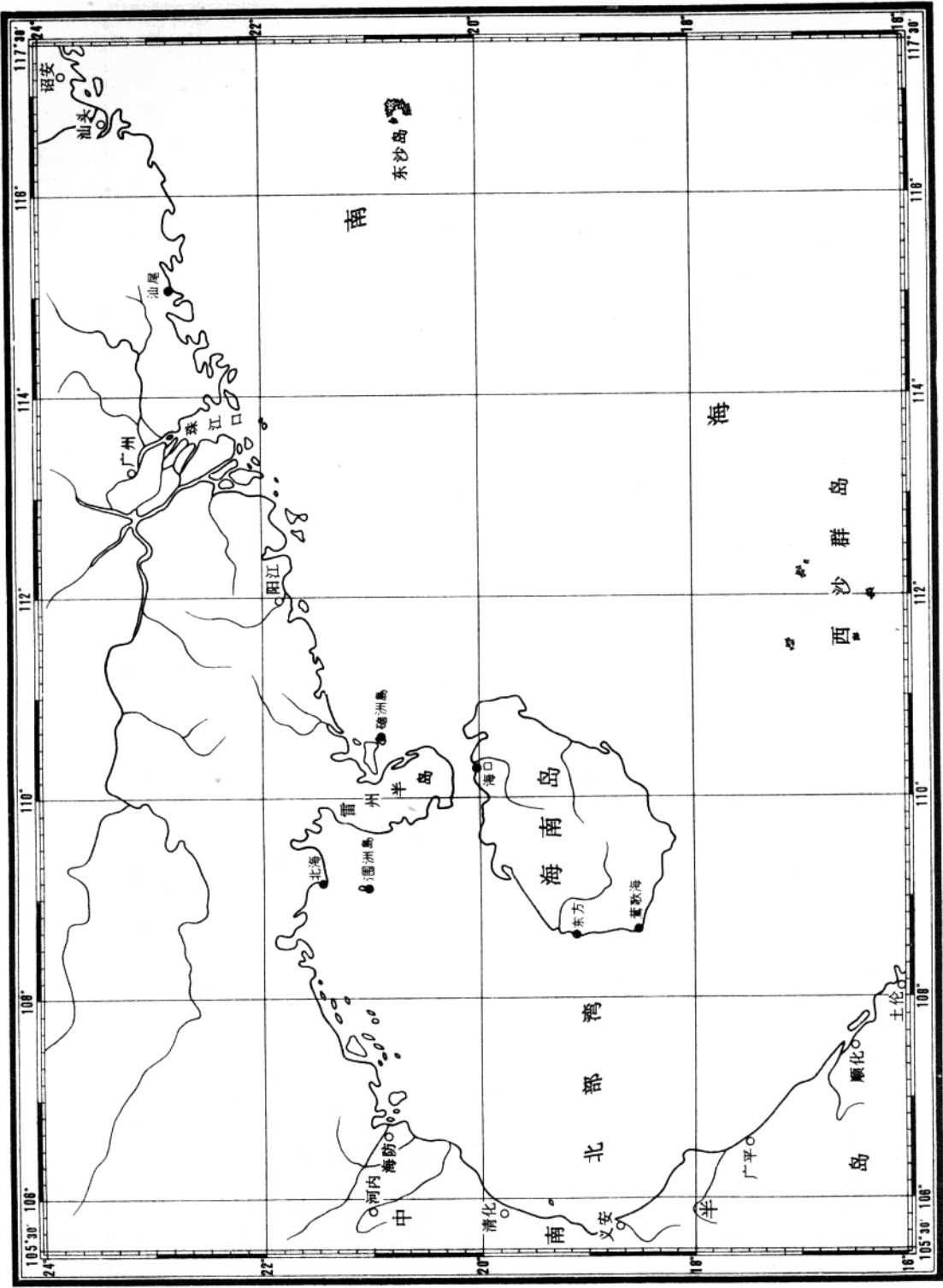
## 前 言

遵照伟大领袖毛主席关于“备战、备荒、为人民”的伟大战略方针，根据各单位的要求，我们编制了《海洋站观测资料》，供国防、生产、科研等有关部门使用。

本资料系根据我局所属海洋站观测资料进行整编的，从一九六〇年起出版，每年共分五册，第一、二、三册分别为南海、东海、北海三个分局所属海洋站观测资料，第四册为十五个特定站资料，第五册为水位资料。一、二、三册为内部资料，四、五册为秘密资料。台湾省资料暂缺。

由于水平所限，经验不足，资料编制中有不妥之处，希使用单位予以指正。

海洋站分布图



# 海洋站一览表

| 站名  | 水文要素观测点 |         | 气象要素观测点 |         | 气象观测场海拔高度<br>(米) | 水银气压表<br>海拔高度<br>(米) | 风的最大值<br>挑选 | 相对湿度<br>最小值<br>挑选 | 波浪<br>观测方法 |
|-----|---------|---------|---------|---------|------------------|----------------------|-------------|-------------------|------------|
|     | 北纬      | 东经      | 北纬      | 东经      |                  |                      |             |                   |            |
| 北海  | 21°29'  | 109°05' | 21°29'  | 109°06' | 14.6             | 16.0                 | 自记          | 自记                | /          |
| 涠洲岛 | 21°01'  | 109°07' | 21°02'  | 109°05' | 55.2             | 54.9                 | 自记          | 自记                | 岸用测波仪      |
| 东方  | 19°06'  | 108°37' | 19°06'  | 108°37' | 8.4              | 8.0                  | 自记          | 自记                | 岸用测波仪      |
| 莺歌海 | 18°30'  | 108°41' | 18°31'  | 108°41' | 5.9              | 6.6                  | 自记          | 自记                | 岸用测波仪      |
| 海口  | 20°01'  | 110°17' | 20°02'  | 110°21' | 14.1             | 14.9                 | 自记          | 自记                | /          |
| 涠洲岛 | 20°54'  | 110°37' | 20°54'  | 110°37' | 13.8             | 14.7                 | 自记          | 自记                | 岸用测波仪      |
| 汕尾  | /       | /       | 22°47'  | 115°22' | 5.8              | 7.2                  | 自记          | 自记                | /          |

## 资 料 说 明

一、本资料为南海分局所属海洋站一九七六年水文气象观测资料。其中包括：表层水温、表层盐度、海发光、海面能见度、海况、波浪以及气压、气温、湿度、云、蒸发、降水、日照、天气现象、风等要素。

二、本资料的观测和整理方法：水文要素参阅国家海洋局一九七二年“海滨水文观测规范”；气象要素参阅中央气象局一九六四年“地面气象观测规范”。

1. 表层盐度均为每日14时的观测值。

2. 凡记录有疑问、供参考者，在该记录外加括号，合计值与平均值不加括号。

三、本资料所用符号除按观测规范中所规定的以外，并作如下规定：

1. 在年报中，凡记录右上方有“\*”者，表示为年极值。

2. 表头中，湿度栏“度”字右上方有“\*”者，表示湿度未经气压订正。

3. 云量 $\overline{10}$ 以“10'”表示。

4. 凡出现的天气现象用“+”表示。

5. 海发光栏中有“\*”者，表示为灯或月。

一九七七年十月



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# 北海

| 月<br>份 | 表 层 水 温 (°C) |        |        |        |        | 表 层 盐 度 (‰) |        |        |        |        | 有海<br>发光<br>日数 | 无海<br>发光<br>日数 | 平均<br>风速<br>(米/秒) | 平均<br>周期<br>(秒) | 平均<br>波高<br>(米) | 海 况 (级) 出 现 回 数 |   |   |   |   |    | 波型出现回数 |        |  |
|--------|--------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|----------------|----------------|-------------------|-----------------|-----------------|-----------------|---|---|---|---|----|--------|--------|--|
|        | 平<br>均       | 最<br>高 | 日<br>期 | 最<br>低 | 日<br>期 | 平<br>均      | 最<br>大 | 日<br>期 | 最<br>小 | 日<br>期 |                |                |                   |                 |                 | 0-2             | 3 | 4 | 5 | 6 | ≥7 | 风<br>浪 | 涌<br>浪 |  |
| 1      | 15.7         | 18.1   | 29     | 13.7   | 1      | 29.6        | 31.8   | 20,22  | 26.5   | 26     | 25             | 0              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 2      | 17.1         | 21.9   | 17     | 13.4   | 1      | 30.6        | 32.1*  | 5天     | 27.2   | 25     | 22             | 1              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 3      | 17.2         | 23.1   | 18     | 13.1   | 5      | 29.5        | 31.9   | 17     | 24.6   | 24     | 22             | 1              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 4      | 20.8         | 27.3   | 30     | 16.2   | 5      | 28.6        | 31.6   | 8      | 23.0   | 24     | 21             | 5              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 5      | 27.2         | 31.9   | 25     | 22.1   | 5      | 28.5        | 31.7   | 14     | 21.1   | 24     | 12             | 9              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 6      | 26.9         | 32.7*  | 27     | 25.1   | 3      | 25.6        | 31.2   | 19     | 10.7   | 12     | 26             | 4              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 7      | 29.9         | 32.3   | 16     | 27.6   | 3      | 26.9        | 31.2   | 3天     | 20.1   | 16     | 22             | 5              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 8      | 29.5         | 31.5   | 10     | 27.1   | 13     | 24.4        | 31.2   | 5      | 10.6*  | 13     | 24             | 1              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 9      | 28.7         | 32.3   | 9      | 22.0   | 23     | 24.9        | 30.6   | 4      | 10.6*  | 23     | 26             | 0              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 10     | 26.0         | 27.9   | 11,12  | 22.5   | 26     | 26.5        | 30.3   | 5,18   | 19.7   | 25     | 22             | 0              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 11     | 19.5         | 26.2   | 4      | 13.0   | 17     | 27.1        | 30.3   | 2      | 21.3   | 21     | 18             | 3              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 12     | 17.8         | 23.0   | 25     | 9.6*   | 31     | 29.4        | 31.7   | 16     | 26.7   | 31     | 26             | 0              |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 年平均    |              |        |        |        |        |             |        |        |        |        |                |                |                   |                 |                 |                 |   |   |   |   |    |        |        |  |
| 历年合计   | 23.2         |        |        |        |        | 26.0        |        |        |        |        | 268            | 29             |                   |                 |                 |                 |   |   |   |   |    |        |        |  |

| 月<br>份 | 波高(级)出现回数 |     |     |     |     |      |    | 最 大 值 统 计 |    |     |    |     |    |     |    | 最多风向 |     | 最多风浪向 |        | 最多涌浪向 |        |    |        |
|--------|-----------|-----|-----|-----|-----|------|----|-----------|----|-----|----|-----|----|-----|----|------|-----|-------|--------|-------|--------|----|--------|
|        | 0.0       | 0.8 | 1.3 | 2.0 | 3.5 | ≥    |    | 风         |    | 海 况 |    | 周 期 |    | 波 高 |    | 最大波高 |     | 向     | 频<br>率 | 向     | 频<br>率 | 向  | 频<br>率 |
|        | 0.7       | 1.2 | 1.9 | 3.4 | 6.0 | 6.1  |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
|        | (0-2)     | (3) | (4) | (5) | (6) | (≥7) | 风速 | 风 向       | 日期 | 级   | 日期 | 秒   | 日期 | 米   | 日期 | 米    | 日期  |       |        |       |        |    |        |
| 1      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 2      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 3      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 4      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 5      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 6      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 7      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 8      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 9      |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 10     |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 11     |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 12     |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 年平均    |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      |     |       |        |       |        |    |        |
| 历年合计   |           |     |     |     |     |      |    |           |    |     |    |     |    |     |    |      | 年最多 | 频率    | 年最多    | 频率    | 年最多    | 频率 |        |

# 涠洲岛

| 月<br>份 | 表 层 水 温 (°C) |        |        |        |        | 表 层 盐 度 (‰) |        |        |        |        | 有海<br>发光<br>日数 | 无海<br>发光<br>日数 | 平均<br>风<br>速<br>(米/秒) | 平均<br>周<br>期<br>(秒) | 平均<br>波<br>高<br>(米) | 海 况 (级) 出 现 回 数 |     |     |    |    |    | 波 型 出 现 回 数 |        |     |
|--------|--------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|----------------|----------------|-----------------------|---------------------|---------------------|-----------------|-----|-----|----|----|----|-------------|--------|-----|
|        | 平<br>均       | 最<br>高 | 日<br>期 | 最<br>低 | 日<br>期 | 平<br>均      | 最<br>大 | 日<br>期 | 最<br>小 | 日<br>期 |                |                |                       |                     |                     | 0-2             | 3   | 4   | 5  | 6  | ≥7 | 风<br>浪      | 涌<br>浪 |     |
| 1      | 17.0         | 19.5   | 29     | 15.7*  | 11,12  | 32.3        | 32.7   | 11     | 32.1   | 5,30   | 22             | 1              | 4.5                   | 1.9                 | 0.3                 | 80              | 33  | 10  | 1  |    |    | 124         |        |     |
| 2      | 18.3         | 21.2   | 26     | 15.9   | 2      | 32.1        | 32.3   | 6天     | 31.7   | 29     | 25             | 0              | 4.7                   | 2.3                 | 1.4                 | 58              | 42  | 13  |    |    |    | 113         | 13     |     |
| 3      | 18.6         | 21.4   | 29     | 16.1   | 4      | 31.8        | 32.2   | 8,13   | 31.3   | 26     | 26             | 0              | 4.8                   | 2.2                 | 0.3                 | 65              | 30  | 15  | 3  | 1  |    | 114         | 17     |     |
| 4      | 20.7         | 26.4   | 30     | 18.0   | 4      | 31.8        | 32.5   | 25     | 31.2   | 9      | 29             | 0              | 4.2                   | 3.0                 | 0.4                 | 83              | 19  | 10  |    | 2  |    | 114         | 42     |     |
| 5      | 26.3         | 30.1   | 28,29  | 22.5   | 5      | 32.7        | 33.1   | 5天     | 31.9   | 1      | 28             | 0              | 3.5                   | 2.0                 | 0.3                 | 86              | 27  | 8   | 3  |    |    | 124         | 18     |     |
| 6      | 26.8         | 31.8*  | 20     | 26.6   | 3      | 32.6        | 33.1   | 3天     | 31.2   | 11     | 30             | 0              | 4.6                   | 3.3                 | 0.7                 | 53              | 42  | 22  | 3  |    |    | 120         | 32     |     |
| 7      | 30.0         | 31.7   | 18,20  | 26.8   | 3      | 32.9        | 33.5*  | 16     | 31.6   | 31     | 31             | 0              | 4.7                   | 3.7                 | 0.9                 | 61              | 25  | 14  | 12 | 12 |    | 124         | 45     |     |
| 8      | 29.4         | 30.9   | 29,30  | 26.1   | 3      | 31.8        | 32.7   | 4,6    | 29.5   | 1      | 29             | 1              | 3.8                   | 3.6                 | 0.7                 | 63              | 37  | 23  | 1  |    |    | 124         | 42     |     |
| 9      | 26.9         | 31.8*  | 10     | 24.7   | 23     | 30.7        | 32.5   | 18,30  | 26.2*  | 3      | 20             | 1              | 5.2                   | 2.0                 | 0.3                 | 67              | 31  | 16  | 6  |    |    | 120         | 7      |     |
| 10     | 26.7         | 26.8   | 24     | 25.3   | 26     | 31.1        | 31.9   | 2,5    | 30.3   | 23     | 18             | 7              | 4.8                   | 2.9                 | 0.5                 | 47              | 47  | 28  | 2  |    |    | 124         | 5      |     |
| 11     | 22.4         | 27.1   | 4      | 19.1   | 3天     | 31.0        | 31.4   | 21,24  | 30.5   | 8      | 14             | 5              | 6.4                   | 3.1                 | 0.7                 | 21              | 47  | 39  | 12 | 1  |    | 120         | 2      |     |
| 12     | 19.7         | 21.9   | 24,25  | 16.5   | 31     | 31.7        | 32.1   | 20,30  | 31.3   | 4天     | 21             | 4              | 5.0                   | 2.4                 | 0.4                 | 64              | 33  | 22  | 2  |    |    | 121         | 3      |     |
| 年平均    |              |        |        |        |        |             |        |        |        |        |                |                |                       |                     |                     |                 |     |     |    |    |    |             |        |     |
| 历年合计   | 23.9         |        |        |        |        | 31.9        |        |        |        |        | 295            | 19             | 4.7                   | 2.7                 | 0.5                 | 748             | 413 | 220 | 45 | 16 |    |             | 1442   | 226 |

| 月<br>份 | 波高(级)出现回数 |     |     |     |     |      |     | 最 大 值 统 计 |       |    |       |      |     |      |       |      |       | 最多风向 |        | 最多风浪向 |        | 最多涌浪向 |        |
|--------|-----------|-----|-----|-----|-----|------|-----|-----------|-------|----|-------|------|-----|------|-------|------|-------|------|--------|-------|--------|-------|--------|
|        | 0.0       | 0.8 | 1.3 | 2.0 | 3.5 | ≥    |     | 风         |       |    | 海 况   |      | 周 期 |      | 波 高   |      | 最大波高  | 向    | 频<br>率 | 向     | 频<br>率 | 向     | 频<br>率 |
|        | 0.7       | 1.2 | 1.9 | 3.4 | 6.0 | 6.1  | 风速  | 风 向       | 日期    | 级  | 日期    | 秒    | 日期  | 米    | 日期    | 米    | 日期    |      |        |       |        |       |        |
|        | (0-2)     | (3) | (4) | (5) | (6) | (≥7) |     |           |       |    |       |      |     |      |       |      |       |      |        |       |        |       |        |
| 1      | 117       | 7   |     |     |     |      | 10  | W, WNW    | 4天    | 5  | 30    | 3.7  | 21  | 0.9  | 21    | 1.0  | 21    | W    | 31     | W     | 21     |       |        |
| 2      | 107       | 6   |     |     |     |      | 12  | W         | 22    | 4  | 6天    | 5.6  | 17  | 1.0  | 8     | 1.2  | 8     | W    | 29     | W     | 22     | S     | 9      |
| 3      | 108       | 6   |     |     |     |      | 15  | W         | 19    | 6* | 19    | 5.4  | 18  | 1.0  | 19    | 1.3  | 19    | W    | 46     | W     | 27     | S     | 10     |
| 4      | 103       | 8   | 3   |     |     |      | 16  | W         | 23    | 6* | 23    | 6.6  | 17  | 1.4  | 17    | 1.7  | 17    | W    | 27     | W     | 15     | S     | 25     |
| 5      | 108       | 10  | 6   |     |     |      | 12  | W         | 4     | 5  | 5,26  | 6.1  | 27  | 1.8  | 26    | 2.2  | 26    | S    | 15     | SSW   | 14     | S,SSW | 6      |
| 6      | 71        | 29  | 16  | 4   |     |      | 12  | W         | 1     | 5  | 1,29  | 6.2  | 30  | 3.0  | 1     | 3.5  | 1     | SSW  | 22     | SSW   | 23     | SSW   | 13     |
| 7      | 70        | 27  | 7   | 20  |     |      | 11  | WSW, SSW  | 8     | 6* | 4天    | 7.4* | 9   | 3.1* | 9     | 3.6* | 9     | SSW  | 20     | SSW   | 33     | SSW   | 28     |
| 8      | 77        | 26  | 16  | 5   |     |      | 10  | S, WNW    | 13,24 | 5  | 13    | 6.1  | 2   | 2.1  | 13,25 | 2.6  | 25    | S    | 14     | SSW   | 16     | SSW   | 30     |
| 9      | 110       | 10  |     |     |     |      | 19* | W         | 20    | 5  | 21,22 | 5.6  | 22  | 1.0  | 27    | 1.1  | 22,27 | W    | 23     | W     | 24     | SSW   | 3      |
| 10     | 88        | 35  | 1   |     |     |      | 11  | W         | 24    | 5  | 24    | 4.6  | 24  | 1.4  | 31    | 1.6  | 31    | W    | 23     | W     | 24     | SSW   | 2      |
| 11     | 70        | 50  |     |     |     |      | 14  | W         | 4天    | 6* | 14    | 4.3  | 16  | 1.2  | 3天    | 1.4  | 4天    | W    | 58     | W     | 38     | SSW   | 2      |
| 12     | 107       | 13  | 1   |     |     |      | 13  | N, WNW    | 8,31  | 5  | 28    | 5.2  | 25  | 1.4  | 28    | 1.6  | 28    | W    | 33     | W     | 22     | S     | 2      |
| 年平均    |           |     |     |     |     |      |     |           |       |    |       |      |     |      |       |      |       |      |        |       |        |       |        |
| 历年合计   | 1136      | 227 | 50  | 29  |     |      |     |           |       |    |       |      |     |      |       |      |       | 年最多  | 频率     | 年最多   | 频率     | 年最多   | 频率     |
|        |           |     |     |     |     |      |     |           |       |    |       |      |     |      |       |      |       | W    | 25     | N     | 14     | SSW   | 7      |

# 濶 洲 岛

| 项目<br>月份    | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 |     |      |     |     |      |      |      |    |   |   |  |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|------|-----|-----|------|------|------|----|---|---|--|
| N           |          |          |          |          |          |          |          |          | NNE      |          |          |          |          |          |          |          |          | NE       |          |          |          |          |          |          |     |      | ENE |     |      |      |      |    |   |   |  |
| 1           | 4.1      | 10       | 2.6      | 0.4      | 0.5      | 7        | 2        |          | 6.5      | 10       | 3.1      | 0.5      | 0.9      | 31       | 11       |          | 3.3      | 5        | 2.8      | 0.4      | 0.9      | 11       | 19       |          | 4.2 | 8*   | 2.9 | 0.4 | 1.0  | 12   | 10   |    |   |   |  |
| 2           | 6.5      | 9        | 3.1      | 0.5      | 0.6      | 2        | 2        |          | 7.1      | 12       | 3.1      | 0.6      | 1.0      | 29       | 10       |          | 4.8      | 8        | 2.9      | 0.5      | 0.9      | 10       | 22       |          | 3.6 | 5    | 3.8 | 0.4 | 0.8  | 11   | 8    |    |   |   |  |
| 3           | 6.3      | 8        | 2.4      | 0.3      | 0.3      | 2        | 1        |          | 7.1      | 15       | 3.0      | 0.5      | 1.3      | 46       | 27       |          | 2.7      | 6        | 3.0      | 0.5      | 1.0      | 5        | 19       |          | 4.0 | 5    | 2.8 | 0.3 | 0.4  | 11   | 4    |    |   |   |  |
| 4           | 3.7      | 6        | 3.4      | 1.0      | 1.1      | 6        | 1        |          | 7.3      | 16*      | 3.0      | 0.5      | 1.0      | 26       | 12       |          | 4.3      | 7        | 2.8      | 0.4      | 0.9      | 8        | 15       |          | 3.3 | 5    | 2.9 | 0.5 | 0.7  | 8    | 4    |    |   |   |  |
| 5           | 5.4      | 8        | 2.5      | 0.4      | 0.7      | 4        | 3        |          | 6.8      | 12       | 3.1      | 0.5      | 0.9      | 12       | 5        |          | 4.0      | 4        | 3.1      | 0.5      | 1.0      | 1        | 6        |          | 4.5 | 5    | 3.0 | 0.5 | 0.7  | 3    | 2    |    |   |   |  |
| 6           | 7.4      | 10       | 2.9      | 0.4      | 0.5      | 4        | 1        |          | 3.1      | 7        | 2.8      | 0.5      | 0.7      | 7        | 3        |          | 4.8      | 7        | 3.2      | 0.5      | 0.9      | 4        | 4        |          | 4.7 | 6    | 3.8 | 0.5 | 0.6  | 3    | 1    |    |   |   |  |
| 7           | 4.9      | 8        |          |          |          | 7        |          |          | 4.3      | 7        | 3.3      | 0.6      | 0.7      | 5        | 4        |          | 5.0      | 7        | 3.1      | 0.7      | 1.1      | 2        | 2        |          | 4.3 | 8*   | 2.8 | 0.6 | 1.1  | 5    | 3    |    |   |   |  |
| 8           | 4.0      | 5        |          |          |          | 2        |          |          | 3.3      | 5        |          |          |          | 3        |          |          | 2.3      | 3        | 2.5      | 0.3      | 0.3      | 3        | 2        |          | 2.8 | 4    | 2.6 | 0.3 | 0.3  | 4    | 2    |    |   |   |  |
| 9           | 8.5      | 18*      | 3.3      | 0.5      | 0.9      | 16       | 7        |          | 6.9      | 12       | 3.3      | 0.5      | 1.0      | 28       | 8        |          | 5.2      | 12*      | 3.5      | 0.6      | 1.1      | 5        | 16       |          | 4.5 | 6    | 3.6 | 0.6 | 1.1  | 2    | 6    |    |   |   |  |
| 10          | 4.0      | 5        | 3.6      | 0.9      | 1.3*     | 2        | 2        |          | 6.3      | 11       | 3.0      | 0.5      | 1.2      | 23       | 8        |          | 3.8      | 7        | 3.1      | 0.6      | 1.4*     | 5        | 18       |          | 5.0 | 8*   | 3.2 | 0.7 | 1.6* | 21   | 24   |    |   |   |  |
| 11          | 7.0      | 7        | 3.5      | 0.8      | 1.3*     | 1        | 6        |          | 8.0      | 14       | 3.3      | 0.7      | 1.4      | 58       | 38       |          | 4.8      | 6        | 3.0      | 0.6      | 1.2      | 7        | 25       |          | 4.3 | 8*   | 3.2 | 0.7 | 1.4  | 13   | 13   |    |   |   |  |
| 12          | 6.3      | 13       |          |          |          | 3        |          |          | 8.3      | 13       | 3.2      | 0.7      | 1.6*     | 33       | 22       |          | 4.3      | 5        | 2.9      | 0.5      | 1.2      | 2        | 18       |          | 3.9 | 6    | 2.7 | 0.5 | 0.9  | 15   | 8    |    |   |   |  |
| 年平均<br>或年频率 | 6.0      |          | 3.2      | 0.6      |          | 5        | 2        |          | 7.1      |          | 3.2      | 0.6      |          | 25       | 12       |          | 4.1      |          | 3.0      | 0.5      |          | 5        | 14       |          | 4.2 |      | 3.1 | 0.6 |      | 9    | 7    | 0  |   |   |  |
| E           |          |          |          |          |          |          |          |          | ESE      |          |          |          |          |          |          |          |          | SE       |          |          |          |          |          |          |     |      | SSE |     |      |      |      |    |   |   |  |
| 1           | 4.2      | 8*       | 2.8      | 0.4      | 1.0      | 17       | 21       |          | 3.0      | 5        | 2.4      | 0.3      | 0.4      | 6        | 3        |          | 4.5      | 5        |          |          |          | 2        |          |          |     | 2.0  | 2   |     |      |      |      | 1  |   |   |  |
| 2           | 3.9      | 7        | 3.1      | 0.6      | 1.2      | 11       | 15       | 1        | 4.5      | 8*       | 3.1      | 0.4      | 1.0      | 14       | 8        | 2        |          | 3.3      | 5        | 2.7      | 0.3      | 0.3      | 3        | 1        |     | 2.6  | 4   |     |      |      | 9    |    |   |   |  |
| 3           | 3.7      | 4        |          |          |          | 5        |          |          | 3.5      | 6        |          |          |          | 3        |          |          |          | 3.5      | 5        | 3.1      | 0.3      | 0.5      | 2        | 2        | 3   |      | 2.8 | 5   | 4.2  | 0.5  | 0.5  | 8  | 3 |   |  |
| 4           | 3.9      | 7        | 3.1      | 0.5      | 0.9      | 8        | 9        | 1        | 4.0      | 6        | 3.1      | 0.5      | 0.9      | 5        | 4        | 1        |          | 3.0      | 6*       | 3.6      | 0.6      | 1.0      | 4        | 4        | 4   |      | 2.6 | 5   | 4.1  | 0.5  | 0.7  | 10 | 5 |   |  |
| 5           | 3.3      | 4        | 2.8      | 0.4      | 0.5      | 3        | 2        |          | 2.8      | 4        | 2.8      | 0.4      | 0.6      | 5        | 2        |          |          | 2.3      | 3        | 3.2      | 0.4      | 0.8      | 2        | 3        | 1   |      | 2.6 | 5   | 3.3  | 0.4  | 0.9* | 11 | 3 |   |  |
| 6           |          |          | 3.3      | 0.2      | 0.2      |          |          | 1        | 2.0      | 2        | 3.2      | 0.6      | 0.8      | 3        | 1        |          |          | 2.0      | 3        | 3.0      | 0.5      | 1.0      | 4        | 11       |     | 1.8  | 4   | 3.0 | 0.5  | 0.9* | 4    | 8  |   |   |  |
| 7           | 2.0      | 2        | 3.1      | 0.6      | 1.0      | 1        | 2        |          | 4.2      | 6        | 3.6      | 0.9      | 1.3*     | 10       | 4        |          |          | 2.5      | 3        | 3.7      | 0.7      | 1.5*     | 2        | 8        | 5   |      | 2.8 | 4   | 3.8  | 0.5  | 0.7  | 4  | 1 |   |  |
| 8           | 2.4      | 3        |          |          |          | 6        |          |          | 2.5      | 4        | 3.2      | 0.5      | 1.0      | 9        | 6        |          |          | 2.5      | 4        | 3.4      | 0.6      | 1.4      | 5        | 15       | 3   |      | 3.0 | 9*  | 3.4  | 0.5  | 0.7  | 7  | 2 |   |  |
| 9           | 2.4      | 4        | 3.1      | 0.6      | 0.9      | 4        | 3        |          | 2.4      | 4        | 3.1      | 0.7      | 0.9      | 4        | 1        |          |          |          | 3.0      | 0.5      | 0.6      | 2        |          |          |     | 2.0  | 2   | 4.9 | 0.3  | 0.5  | 2    | 1  |   |   |  |
| 10          | 4.9      | 8*       | 3.1      | 0.6      | 1.4*     | 18       | 15       |          | 3.7      | 5        | 3.3      | 0.6      | 1.0      | 11       | 3        | 1        |          | 3.3      | 5        | 3.3      | 0.6      | 1.2      | 3        | 11       | 1   |      | 2.6 | 4   |      |      |      | 4  |   |   |  |
| 11          | 4.7      | 8*       | 3.4      | 0.8      | 1.3      | 12       | 14       |          | 3.6      | 6        | 3.1      | 0.5      | 0.7      | 7        | 2        |          |          |          |          |          |          |          |          |          |     |      | 3.0 | 3   |      |      |      | 1  |   |   |  |
| 12          | 3.7      | 4        | 2.7      | 0.4      | 1.3      | 10       | 15       | 1        | 3.4      | 6        | 2.8      | 0.4      | 1.0      | 17       | 12       |          |          | 3.3      | 4        | 2.8      | 0.3      | 0.5      | 2        | 2        |     |      | 2.5 | 3   |      |      |      | 3  |   |   |  |
| 年平均<br>或年频率 | 4.0      |          | 3.0      | 0.5      |          | 8        | 8        | 0        | 3.5      |          | 3.0      | 0.5      |          | 8        | 4        | 0        |          | 2.9      |          | 3.3      | 0.5      |          | 2        | 5        | 1   |      | 2.6 |     | 3.5  | 0.4  |      | 5  | 1 | 1 |  |
| S           |          |          |          |          |          |          |          |          | SSW      |          |          |          |          |          |          |          |          | SW       |          |          |          |          |          |          |     |      | WSW |     |      |      |      |    |   |   |  |
| 1           | 2.4      | 4        |          |          |          | 6        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      | 2.0 | 2   |      |      |      |    | 1 |   |  |
| 2           | 1.9      | 3        | 4.3      | 0.5      | 1.0      | 6        |          |          | 3.0      | 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 3           | 2.0      | 3        | 4.9      | 0.4      | 0.8      | 4        |          |          | 9.5      | 12*      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 4           | 2.4      | 3        | 4.9      | 0.7      | 1.7      | 7        | 2        | 25       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 5           | 2.9      | 5        | 4.3      | 0.4      | 0.9      | 15       | 3        | 6        | 5.1      | 10       | 4.2      | 0.9      | 2.2      | 13       | 14       | 6        |          | 4.0      | 5        |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 6           | 5.2      | 8        | 3.8      | 0.7      | 1.5      | 21       | 13       | 8        | 6.7      | 10       | 4.8      | 1.3      | 3.5      | 22       | 23       | 13       |          | 4.4      | 6        | 3.0      | 0.4      | 0.6      | 4        | 3        | 1   |      | 4.0 | 5   | 2.0  | 0.3  | 0.4  | 2  | 2 |   |  |
| 7           | 4.1      | 9        | 4.3      | 1.1      | 1.4      | 7        | 2        |          | 7.9      | 11       | 4.7      | 1.2      | 3.6*     | 20       | 33       | 28       |          | 5.4      | 10*      | 3.5      | 0.5      | 1.0      | 4        | 2        | 2   |      | 4.8 | 11* |      |      |      | 10 |   |   |  |
| 8           | 3.9      | 10*      | 4.9      | 1.4      | 2.4*     | 14       | 6        |          | 6.5      | 9        | 4.9      | 1.0      | 2.6      | 10       | 16       | 30       |          | 4.4      | 8        | 3.8      | 0.7      | 1.4*     | 6        | 8        |     |      | 4.5 | 7   | 3.6  | 0.6  | 1.0* | 8  | 3 |   |  |
| 9           | 2.2      | 3        |          |          |          | 8        |          |          | 3.0      | 4        | 4.0      | 0.5      | 0.8      | 5        | 1        | 3        |          | 3.0      | 5        | 3.4      | 0.4      | 0.8      | 2        | 6        | 1   |      | 3.0 | 3   |      |      |      |    | 2 |   |  |
| 10          | 4.9      | 8        | 3.7      | 0.7      | 1.3      | 8        | 3        | 2        | 2.5      | 3        | 4.6      | 0.4      | 0.5      | 2        |          | 1        |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 11          | 2.0      | 2        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 12          | 2.7      | 4        | 5.1      | 0.3      | 0.5      | 6        | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 年平均<br>或年频率 | 3.5      |          | 4.5      | 0.7      |          | 9        | 2        | 5        | 6.4      |          | 4.7      | 1.1      |          | 6        | 7        | 7        |          | 4.4      |          | 3.6      | 0.5      |          | 2        | 2        | 0   |      | 4.3 |     | 3.1  | 0.5  |      | 2  | 0 |   |  |
| W           |          |          |          |          |          |          |          |          | WNW      |          |          |          |          |          |          |          |          | NW       |          |          |          |          |          |          |     |      | NNW |     |      |      |      |    |   |   |  |
| 1           |          |          |          |          |          |          |          |          | 2.5      | 3        |          |          |          |          |          |          |          | 4.0      | 4        |          |          |          |          |          |     |      | 3.0 | 4   |      |      |      |    | 2 |   |  |
| 2           |          |          |          |          |          |          |          |          | 2.0      | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     | 3.5 | 4    |      |      |    |   | 2 |  |
| 3           |          |          |          |          |          |          |          |          | 4.0      | 4        |          |          |          |          |          |          |          | 2.0      | 2        |          |          |          |          |          |     |      | 2.5 | 3   |      |      |      |    | 2 |   |  |
| 4           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      | 4.8 | 8   |      |      |      |    | 3 |   |  |
| 5           | 2.0      | 3        |          |          |          | 2        |          |          | 3.0      | 5        |          |          |          |          |          |          |          | 3.3      | 4        |          |          |          |          |          |     |      | 4.8 | 6   |      |      |      |    | 3 |   |  |
| 6           | 3.0      | 3        | 3.2      | 0.6      | 0.8*     | 1        | 1        |          | 2.8      | 4        |          |          |          |          |          |          |          | 4.0      | 6*       |          |          |          |          |          |     |      | 4.8 | 5   |      |      |      |    | 3 |   |  |
| 7           | 5.0      | 8*       |          |          |          | 2        |          |          | 3.8      | 5        | 2.1      | 0.3      | 0.3*     | 7        | 1        |          |          | 3.4      | 6*       |          |          |          |          |          |     |      | 6.4 | 12  |      |      |      |    | 6 |   |  |
| 8           | 4.4      | 6        |          |          |          | 6        |          |          | 5.2      | 10*      | 2.5      | 0.2      | 0.2      | 8        | 2        |          |          | 3.6      | 6*       |          |          |          |          |          |     |      | 4.2 | 8   |      |      |      |    | 3 |   |  |
| 9           |          |          |          |          |          |          |          |          | 3.4      | 6        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     | 3.0 | 3    |      |      |    |   | 1 |  |
| 10          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 15.0     | 19*      | 3.5      | 0.8      | 1.0*     | 4        | 3        |     | 15.0 | 19* | 3.5 | 0.8  | 1.0* | 4    | 3  |   |   |  |
| 11          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 4.0      | 4        |          |          |          |          |          |     |      |     |     |      |      |      |    | 1 |   |  |
| 12          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 年平均<br>或年频率 | 3.7      |          | 3.2      | 0.6      |          | 1        | 0        |          | 3.5      |          | 2.3      | 0.3      |          | 3        | 0        |          |          | 3.3      |          |          |          |          |          |          |     |      | 3.0 | 4   |      |      |      |    | 2 |   |  |
|             | C        |          |          |          |          |          |          |          |          | *        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 1           |          |          |          |          |          | 2        | 34       | 100      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 2           |          |          |          |          |          | 2        | 34       | 88       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 3           |          |          |          |          |          | 10       | 47       | 85       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 4           |          |          |          |          |          | 12       | 49       | 63       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |
| 5           |          |          |          |          |          | 12       | 55       | 85       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |      |     |     |      |      |      |    |   |   |  |

# 东 方

| 月<br>份 | 表 层 水 温 (°C) |        |        |        |        | 表 层 盐 度 (‰) |        |        |        |        | 有<br>海<br>发<br>光<br>日<br>数 | 无<br>海<br>发<br>光<br>日<br>数 | 平<br>均<br>风<br>速<br>(米/秒) | 平<br>均<br>周<br>期<br>(秒) | 平<br>均<br>波<br>高<br>(米) | 海 况 (级) 出 现 回 数 |     |     |     |    |    | 波 型 出 现 回 数 |        |  |
|--------|--------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|----------------------------|----------------------------|---------------------------|-------------------------|-------------------------|-----------------|-----|-----|-----|----|----|-------------|--------|--|
|        | 平<br>均       | 最<br>高 | 日<br>期 | 最<br>低 | 日<br>期 | 平<br>均      | 最<br>大 | 日<br>期 | 最<br>小 | 日<br>期 |                            |                            |                           |                         |                         | 0-2             | 3   | 4   | 5   | 6  | ≥7 | 风<br>浪      | 涌<br>浪 |  |
| 1      | 19.0         | 22.5   | 29     | 15.8*  | 1      | 33.2        | 33.9   | 3天     | 32.2   | 1      | 12                         | 4                          | 4.8                       | 3.3                     | 0.6                     | 42              | 26  | 41  | 13  | 1  |    | 123         | 82     |  |
| 2      | 22.4         | 24.7   | 21     | 19.2   | 2      | 34.0        | 34.3   | 8,27   | 33.7   | 1      | 19                         | 2                          | 4.4                       | 3.3                     | 0.6                     | 43              | 17  | 44  | 12  |    |    | 116         | 61     |  |
| 3      | 21.8         | 25.2   | 18     | 17.0   | 4, 5   | 34.1        | 34.4   | 4天     | 33.5   | 8      | 24                         | 0                          | 5.0                       | 3.3                     | 0.7                     | 34              | 23  | 57  | 10  |    |    | 124         | 90     |  |
| 4      | 26.2         | 28.4   | 23,30  | 23.9   | 1      | 34.4        | 34.6   | 8天     | 34.3   | 10天    | 26                         | 0                          | 5.7                       | 3.2                     | 0.8                     | 30              | 20  | 49  | 20  | 1  |    | 120         | 60     |  |
| 5      | 29.3         | 32.2*  | 23,24  | 25.7   | 6      | 34.6        | 35.1*  | 28,29  | 34.2   | 11     | 18                         | 1                          | 5.3                       | 3.0                     | 0.7                     | 29              | 25  | 54  | 16  |    |    | 124         | 49     |  |
| 6      | 29.5         | 32.0   | 26,27  | 28.1   | 5, 7   | 34.0        | 35.0   | 1      | 33.7   | 12     | 17                         | 2                          | 5.8                       | 3.2                     | 0.7                     | 27              | 20  | 50  | 23  |    |    | 120         | 47     |  |
| 7      | 29.6         | 31.5   | 20     | 28.7   | 10,11  | 33.6        | 33.9   | 4天     | 32.9   | 4天     | 19                         | 2                          | 5.6                       | 3.3                     | 0.8                     | 26              | 24  | 50  | 24  |    |    | 124         | 72     |  |
| 8      | 29.2         | 31.0   | 20,23  | 27.9   | 8      | 33.6        | 33.9   | 19,29  | 32.1   | 17     | 24                         | 0                          | 4.7                       | 3.3                     | 0.7                     | 33              | 40  | 46  | 5   |    |    | 124         | 78     |  |
| 9      | 29.4         | 31.9   | 10     | 24.7   | 27,28  | 32.8        | 34.2   | 17     | 22.0*  | 28     | 19                         | 3                          | 4.2                       | 3.3                     | 0.7                     | 33              | 34  | 56  | 8   | 8  | 1  | 120         | 78     |  |
| 10     | 27.9         | 29.4   | 13     | 26.3   | 3      | 32.5        | 33.1   | 12     | 30.9   | 1      | 18                         | 0                          | 4.2                       | 3.1                     | 0.5                     | 38              | 34  | 45  | 9   |    |    | 124         | 59     |  |
| 11     | 23.0         | 28.2   | 4      | 17.9   | 29     | 32.2        | 32.9   | 27,30  | 31.7   | 4      | 16                         | 4                          | 6.6                       | 3.2                     | 0.7                     | 11              | 30  | 58  | 16  | 5  |    | 120         | 36     |  |
| 12     | 21.6         | 24.5   | 24,25  | 16.6   | 30     | 33.2        | 33.7   | 26     | 32.5   | 2      | 4                          | 8                          | 4.8                       | 3.1                     | 0.5                     | 36              | 38  | 41  | 9   |    |    | 124         | 69     |  |
| 年平均    |              |        |        |        |        |             |        |        |        |        |                            |                            |                           |                         |                         |                 |     |     |     |    |    |             |        |  |
| 常年合计   | 25.7         |        |        |        |        | 33.5        |        |        |        |        | 216                        | 26                         | 5.1                       | 3.2                     | 0.7                     | 382             | 331 | 569 | 165 | 15 | 1  | 1463        | 781    |  |

| 月<br>份 | 波 高 (级) 出 现 回 数 |            |            |            |            |                  |    | 最 大 值 统 计 |       |     |     |      |       |      |       |         |       | 最 多 风 向 |        | 最 多 风 浪 向 |        | 最 多 涌 浪 向 |        |
|--------|-----------------|------------|------------|------------|------------|------------------|----|-----------|-------|-----|-----|------|-------|------|-------|---------|-------|---------|--------|-----------|--------|-----------|--------|
|        | 0.0<br>(0-2)    | 0.8<br>(3) | 1.3<br>(4) | 2.0<br>(5) | 3.5<br>(6) | ≥<br>6.1<br>(≥7) | ≥  | 风         |       | 海 况 |     | 周 期  |       | 波 高  |       | 最 大 波 高 |       | 向       | 频<br>率 | 向         | 频<br>率 | 向         | 频<br>率 |
| 1      | 82              | 33         | 8          |            |            |                  | 14 | NNE       | 30    | 6   | 30  | 4.6  | 30    | 1.4  | 30    | 1.8     | 30    | N       | 27     | NNE       | 31     | NNW       | 46     |
| 2      | 77              | 35         | 4          |            |            |                  | 13 | S         | 27    | 5   | 5天  | 4.9  | 17    | 1.5  | 29    | 1.8     | 29    | N       | 23     | N         | 25     | NNW       | 22     |
| 3      | 66              | 33         | 5          |            |            |                  | 12 | NNE,SSW   | 3天    | 5   | 6天  | 5.1  | 17    | 1.6  | 1     | 2.1     | 1     | N       | 25     | NNE       | 25     | NNW       | 41     |
| 4      | 49              | 70         | 1          |            |            |                  | 13 | S,NE      | 12,13 | 6   | 23  | 4.5  | 19    | 1.3  | 23    | 1.5     | 13    | SSW     | 20     | SSW       | 33     | NNW       | 28     |
| 5      | 79              | 42         | 3          |            |            |                  | 11 | SSW,S     | 2,27  | 5   | 6天  | 5.0  | 26    | 1.8  | 26    | 2.2     | 26    | SSW     | 28     | SSW       | 35     | SW,WSW    | 11     |
| 6      | 59              | 52         | 9          |            |            |                  | 12 | S         | 7     | 5   | 10天 | 4.7  | 30    | 1.7  | 29    | 2.0     | 1,29  | S       | 42     | SSW       | 48     | SW        | 20     |
| 7      | 66              | 49         | 9          |            |            |                  | 11 | S,NNE     | 4天    | 5   | 12天 | 4.7  | 1     | 1.6  | 1     | 1.9     | 1     | S       | 34     | SSW       | 35     | SW        | 41     |
| 8      | 64              | 48         | 12         |            |            |                  | 12 | S         | 8,13  | 5   | 3天  | 4.8  | 7,11  | 1.8  | 8     | 2.5*    | 8     | S       | 25     | SSW       | 34     | SW        | 50     |
| 9      | 83              | 25         | 11         | 1          |            |                  | 12 | N         | 23,26 | 7*  | 22  | 5.2* | 22    | 2.0* | 22    | 2.5*    | 22    | N       | 18     | N         | 20     | SW        | 28     |
| 10     | 105             | 19         |            |            |            |                  | 12 | S         | 22    | 5   | 5天  | 4.3  | 25,26 | 1.2  | 22,25 | 1.5     | 14,22 | N       | 23     | NNE       | 18     | NNW       | 29     |
| 11     | 67              | 43         | 10         |            |            |                  | 13 | NNE       | 25    | 6   | 3天  | 4.5  | 14    | 1.7  | 14    | 2.1     | 14    | NE      | 51     | NNE       | 48     | NNW       | 21     |
| 12     | 93              | 28         | 3          |            |            |                  | 13 | NE        | 28    | 5   | 5天  | 4.5  | 9     | 1.4  | 8     | 1.7     | 8     | NE      | 31     | NNE       | 31     | NNW       | 28     |
| 年平均    |                 |            |            |            |            |                  |    |           |       |     |     |      |       |      |       |         |       | 年最多     | 频率     | 年最多       | 频率     | 年最多       | 频率     |
| 常年合计   | 890             | 497        | 75         | 1          |            |                  |    |           |       |     |     |      |       |      |       |         |       | NE      | 18     | SSW       | 19     | NNW       | 20     |

## 莺 歌 海

| 月<br>份 | 表 层 水 温 (°C) |        |        |        |        | 表 层 盐 度 (‰) |        |        |        |        | 有<br>海<br>发<br>光<br>日<br>数 | 无<br>海<br>发<br>光<br>日<br>数 | 平<br>均<br>风<br>速<br>(米/秒) | 平<br>均<br>周<br>期<br>(秒) | 平<br>均<br>波<br>高<br>(米) | 海 况 (级) 出 现 回 数 |     |     |     |    |    | 波 型 出 现 回 数 |        |  |
|--------|--------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|----------------------------|----------------------------|---------------------------|-------------------------|-------------------------|-----------------|-----|-----|-----|----|----|-------------|--------|--|
|        | 平<br>均       | 最<br>高 | 日<br>期 | 最<br>低 | 日<br>期 | 平<br>均      | 最<br>大 | 日<br>期 | 最<br>小 | 日<br>期 |                            |                            |                           |                         |                         | 0-2             | 3   | 4   | 5   | 6  | ≥7 | 风<br>浪      | 涌<br>浪 |  |
| 1      | 21.5         | 25.5   | 28     | 19.0*  | 1      | 33.28       | 33.73  | 24     | 32.43  | 5      | 19                         | 2                          | 2.6                       | 4.5                     | 0.6                     | 85              | 22  | 15  | 1   | 1  |    | 123         | 99     |  |
| 2      | 23.6         | 27.2   | 18     | 20.2   | 2      | 33.50       | 33.84  | 17,18  | 32.95  | 27     | 11                         | 10                         | 4.2                       | 4.4                     | 0.7                     | 32              | 23  | 44  | 15  | 2  |    | 116         | 63     |  |
| 3      | 24.1         | 28.8   | 30     | 20.3   | 5      | 33.46       | 33.82  | 5      | 32.86  | 29     | 10                         | 9                          | 4.6                       | 4.3                     | 0.8                     | 23              | 28  | 49  | 24  |    |    | 123         | 55     |  |
| 4      | 27.2         | 30.5   | 22     | 24.8   | 4      | 33.51       | 34.02  | 30     | 32.79  | 11     | 15                         | 5                          | 5.1                       | 4.2                     | 0.8                     | 21              | 18  | 56  | 25  |    |    | 120         | 38     |  |
| 5      | 29.4         | 33.7*  | 23     | 25.8   | 5, 7   | 33.81       | 34.18* | 6      | 33.33  | 16     | 14                         | 6                          | 4.3                       | 4.2                     | 0.8                     | 28              | 31  | 56  | 5   | 4  |    | 119         | 41     |  |
| 6      | 29.5         | 33.5   | 20     | 27.2   | 11     | 33.18       | 33.84  | 1      | 32.29  | 21     | 16                         | 4                          | 3.9                       | 4.4                     | 1.0                     | 37              | 41  | 36  | 4   | 2  |    | 120         | 56     |  |
| 7      | 28.8         | 33.0   | 21     | 26.4   | 30     | 33.4        | 33.68  | 17     | 32.59  | 5,31   | 21                         | 4                          | 4.1                       | 4.8                     | 1.1                     | 22              | 60  | 34  | 6   | 2  |    | 124         | 70     |  |
| 8      | 28.8         | 32.1   | 31     | 26.6   | 3天     | 33.21       | 33.46  | 20     | 32.86  | 26     | 20                         | 1                          | 3.3                       | 4.6                     | 1.1                     | 40              | 58  | 23  | 2   | 1  |    | 123         | 99     |  |
| 9      | 29.0         | 32.2   | 10     | 25.1   | 27     | 32.84       | 33.35  | 22     | 30.14* | 27,28  | 18                         | 1                          | 3.9                       | 4.3                     | 0.8                     | 55              | 30  | 21  | 12  | 2  |    | 119         | 80     |  |
| 10     | 28.4         | 31.7   | 28     | 26.1   | 2      | 31.97       | 32.57  | 20     | 30.77  | 28     | 23                         | 2                          | 2.6                       | 4.4                     | 0.6                     | 83              | 26  | 14  | 1   |    |    | 124         | 98     |  |
| 11     | 25.0         | 30.1   | 5      | 19.5   | 21     | 32.08       | 32.48  | 19,25  | 31.58  | 1      | 16                         | 4                          | 3.1                       | 4.3                     | 0.8                     | 76              | 17  | 17  | 10  |    |    | 120         | 94     |  |
| 12     | 23.6         | 27.4   | 20     | 20.7   | 9      | 32.62       | 33.19  | 31     | 32.18  | 18,20  | 19                         | 3                          | 3.0                       | 4.0                     | 0.6                     | 73              | 26  | 22  | 3   |    |    | 123         | 67     |  |
| 年平均    |              |        |        |        |        |             |        |        |        |        |                            |                            |                           |                         |                         |                 |     |     |     |    |    |             |        |  |
| 常年合计   | 26.6         |        |        |        |        | 33.05       |        |        |        |        | 202                        | 51                         | 3.7                       | 4.4                     | 0.8                     | 575             | 380 | 387 | 108 | 14 |    | 1454        | 860    |  |

| 月<br>份 | 波 高 (级) 出 现 回 数 |            |            |            |            |                  |     | 最 大 值 统 计 |       |     |      |      |       |      |       |         |       | 最 多 风 向 |        | 最 多 风 浪 向 |        | 最 多 涌 浪 向 |        |
|--------|-----------------|------------|------------|------------|------------|------------------|-----|-----------|-------|-----|------|------|-------|------|-------|---------|-------|---------|--------|-----------|--------|-----------|--------|
|        | 0.0<br>(0-2)    | 0.8<br>(3) | 1.3<br>(4) | 2.0<br>(5) | 3.5<br>(6) | ≥<br>6.1<br>(≥7) | ≥   | 风         |       | 海 况 |      | 周 期  |       | 波 高  |       | 最 大 波 高 |       | 向       | 频<br>率 | 向         | 频<br>率 | 向         | 频<br>率 |
| 1      | 91              | 31         | 2          |            |            |                  | 8   | N         | 30    | 6*  | 30   | 6.4  | 26    | 1.5  | 30    | 1.6     | 30    | NW      | 19     | NNW       | 15     | S         | 51     |
| 2      | 60              | 54         | 2          |            |            |                  | 8   | SE,SSS    | 3天    | 6*  | 8    | 7.4  | 1     | 1.5  | 28    | 1.6     | 28    | SE      | 25     | SE        | 32     | S         | 41     |
| 3      | 48              | 75         | 1          |            |            |                  | 9   | SE        | 17,29 | 5   | 13天  | 5.9  | 24    | 1.3  | 17    | 1.7     | 17    | SE      | 29     | SE        | 40     | S         | 22     |
| 4      | 46              | 72         | 2          |            |            |                  | 9   | SE        | 17,22 | 5   | 14天  | 5.6  | 17,19 | 1.6  | 17    | 1.7     | 17    | SE      | 42     | SE        | 53     | S         | 17     |
| 5      | 59              | 48         | 14         | 3          |            |                  | 10  | N,NW      | 5     | 6*  | 5    | 6.3  | 28    | 2.0  | 27,31 | 2.3     | 27    | SE      | 19     | SE        | 20     | SW        | 7      |
| 6      | 42              | 57         | 16         | 5          |            |                  | 12* | SW        | 30    | 6*  | 30   | 6.2  | 30    | 2.5* | 30    | 2.9*    | 30    | SE      | 33     | SE        | 33     | S         | 23     |
| 7      | 16              | 66         | 38         | 4          |            |                  | 9   | NNW       | 23    | 6*  | 1    | 6.1  | 1     | 2.4  | 1     | 2.7     | 1     | SE      | 23     | SE        | 26     | SW        | 19     |
| 8      | 40              | 40         | 41         | 3          |            |                  | 9   | WSW       | 1     | 6*  | 1    | 6.2  | 7     | 2.4  | 7     | 2.7     | 7     | SSS     | 14     | WSW       | 16     | S         | 23     |
| 9      | 72              | 42         | 6          |            |            |                  | 10  | N         | 26    | 6*  | 23   | 7.4  | 17    | 1.7  | 23    | 1.9     | 23    | NNW     | 14     | NNW       | 13     | S         | 28     |
| 10     | 88              | 36         |            |            |            |                  | 8   | NNW       | 1     | 5   | 1    | 8.0* | 18    | 1.2  | 14    | 1.4     | 14,26 | S,SE    | 10     | SE        | 12     | S         | 29     |
| 11     | 56              | 58         | 6          |            |            |                  | 10  | N         | 20    | 5   | 5天   | 5.6  | 16    | 1.7  | 20    | 1.9     | 20    | N       | 22     | N         | 21     | S         | 22     |
| 12     | 89              | 35         |            |            |            |                  | 8   | NNW       | 9     | 5   | 9,13 | 6.4  | 1     | 1.1  | 8     | 1.2     | 3天    | NNW     | 11     | NNW       | 12     | S         | 33     |
| 年平均    |                 |            |            |            |            |                  |     |           |       |     |      |      |       |      |       |         |       | 年最多     | 频率     | 年最多       | 频率     | 年最多       | 频率     |
| 常年合计   | 707             | 614        | 128        | 15         |            |                  |     |           |       |     |      |      |       |      |       |         |       | SE      | 17     | SE        | 20     | S         | 25     |

东 方

| 项目<br>月份 | N        |          |          |          |          | NNE      |          |          |          |          | NE       |          |          |          |          | ENE      |          |          |          |          |          |          |          |          |          |          |          |  |  |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|
|          | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风浪<br>频率 | 风浪<br>频率 | 风浪<br>频率 | 风浪<br>频率 | 风浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风浪<br>频率 | 风浪<br>频率 | 风浪<br>频率 | 风浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风浪<br>频率 | 风浪<br>频率 | 风浪<br>频率 |  |  |
| 1        | 4.8      | 11       | 3.1      | 0.6      | 1.4      | 27       | 25       | 5        |          |          | 6.9      | 14*      | 3.5      | 1.0      | 1.8      | 14       | 31       |          |          | 6.1      | 12       | 3.5      | 0.9      | 1.5      | 26       | 9        |          |  |  |
| 2        | 4.2      | 10       | 2.9      | 0.6      | 1.5      | 23       | 25       | 1        |          |          | 4.8      | 8        | 3.5      | 1.0      | 1.8      | 9        | 23       |          |          | 4.5      | 10       | 3.2      | 0.5      | 0.6      | 22       | 3        |          |  |  |
| 3        | 3.5      | 7        | 3.0      | 0.7      | 1.1      | 16       | 16       | 3        |          |          | 6.7      | 11       | 3.3      | 0.9      | 2.0      | 15       | 25       |          |          | 6.1      | 12       | 3.3      | 1.0      | 2.1*     | 25       | 15       |          |  |  |
| 4        | 4.6      | 10       | 3.1      | 0.8      | 1.2      | 17       | 11       |          |          |          | 6.2      | 8        | 3.2      | 1.0      | 1.5      | 4        | 16       |          |          | 5.3      | 13*      | 2.9      | 0.6      | 0.8      | 15       | 4        |          |  |  |
| 5        | 3.6      | 7        | 2.8      | 0.6      | 1.4      | 7        | 10       |          |          |          | 8.3      | 10       | 3.1      | 0.9      | 1.3      | 3        | 6        |          |          | 4.5      | 10       |          |          |          | 5        | 1        |          |  |  |
| 6        | 5.8      | 4        | 2.9      | 1.0      | 1.6      | 3        |          |          |          |          | 9.3      | 11       | 2.9      | 0.6      | 1.0      | 2        | 3        |          |          | 6.3      | 9        |          |          |          |          |          |          |  |  |
| 7        | 3.0      | 3        | 3.0      | 0.7      | 1.0      | 1        | 5        |          |          |          | 3.0      | 4        | 2.4      | 0.4      | 0.4      | 2        | 1        |          |          | 2.0      | 3        |          |          |          | 2        | 1        |          |  |  |
| 8        | 3.2      | 5        | 2.5      | 0.4      | 0.5      | 5        |          |          |          |          | 7.3      | 8        | 3.2      | 0.7      | 1.2      | 5        | 8        |          |          | 5.6      | 9        | 3.1      | 0.8      | 1.4      | 8        | 5        |          |  |  |
| 9        | 5.4      | 12*      | 3.7      | 1.0      | 2.2*     | 18       | 20       | 8        |          |          | 6.2      | 10       | 2.9      | 0.7      | 1.5      | 8        | 18       |          |          | 5.1      | 10       | 2.8      | 0.6      | 0.9      | 23       | 15       |          |  |  |
| 10       | 4.2      | 7        | 2.7      | 0.5      | 1.1      | 15       | 16       | 1        |          |          | 7.8      | 13       | 3.1      | 0.9      | 2.1*     | 23       | 48       |          |          | 7.6      | 12       | 3.1      | 0.8      | 1.6      | 51       | 25       |          |  |  |
| 11       | 4.0      | 7        | 3.0      | 0.6      | 1.3      | 10       | 12       | 2        |          |          | 6.6      | 10       | 3.2      | 0.8      | 1.7      | 13       | 31       |          |          | 7.0      | 13*      | 3.6      | 1.1      | 1.4      | 31       | 7        |          |  |  |
| 12       | 3.8      | 7        | 3.0      | 0.6      | 1.2      | 19       | 16       | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 年平均      | 4.3      |          | 3.1      | 0.7      |          | 13       | 14       | 2        |          |          | 6.8      |          | 3.2      | 0.9      |          | 8        | 17       |          |          | 6.2      |          | 3.2      | 0.8      |          | 18       | 7        |          |  |  |
| 成年频率     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 1        | 3.0      | 3        |          |          |          | 1        |          |          |          |          | 1.3      | 2        |          |          |          | 2        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 2        | 1.5      | 2        |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 4        | 4.5      | 7*       |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 5        | 1.8      | 3        |          |          |          | 4        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          | 1.4      | 3        |          |          |          |          |          |          |  |  |
| 6        | 2.5      | 4        |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 7        | 2.0      | 3        |          |          |          | 2        |          |          |          |          | 1.5      | 2        |          |          |          | 2        |          |          |          | 1.7      | 4        |          |          |          |          |          |          |  |  |
| 8        | 3.3      | 5        |          |          |          | 2        |          |          |          |          | 1.4      | 3        |          |          |          | 8        |          |          |          | 2.3      | 5*       |          |          |          |          |          |          |  |  |
| 9        | 2.0      | 2        |          |          |          | 3        |          |          |          |          | 4.0      | 6*       |          |          |          | 2        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 10       | 2.0      | 2        |          |          |          | 2        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 11       | 2.5      | 4        |          |          |          | 3        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 12       | 2.0      | 3        |          |          |          | 2        | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 年平均      | 2.4      |          |          |          |          | 2        | 0        |          |          |          | 1.6      |          |          |          |          | 2        |          |          |          | 1.8      |          |          |          |          |          |          |          |  |  |
| 成年频率     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 4        | 4.5      | 7*       |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 5        | 1.8      | 3        |          |          |          | 4        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          | 1.4      | 3        |          |          |          |          |          |          |  |  |
| 6        | 2.5      | 4        |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 7        | 2.0      | 3        |          |          |          | 2        |          |          |          |          | 1.5      | 2        |          |          |          | 2        |          |          |          | 1.7      | 4        |          |          |          |          |          |          |  |  |
| 8        | 3.3      | 5        |          |          |          | 2        |          |          |          |          | 1.4      | 3        |          |          |          | 8        |          |          |          | 2.3      | 5*       |          |          |          |          |          |          |  |  |
| 9        | 2.0      | 2        |          |          |          | 3        |          |          |          |          | 4.0      | 6*       |          |          |          | 2        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 10       | 2.0      | 2        |          |          |          | 2        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 11       | 2.5      | 4        |          |          |          | 3        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 12       | 2.0      | 3        |          |          |          | 2        | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 年平均      | 2.4      |          |          |          |          | 2        | 0        |          |          |          | 1.6      |          |          |          |          | 2        |          |          |          | 1.8      |          |          |          |          |          |          |          |  |  |
| 成年频率     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 4        | 4.5      | 7*       |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 5        | 1.8      | 3        |          |          |          | 4        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          | 1.4      | 3        |          |          |          |          |          |          |  |  |
| 6        | 2.5      | 4        |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 7        | 2.0      | 3        |          |          |          | 2        |          |          |          |          | 1.5      | 2        |          |          |          | 2        |          |          |          | 1.7      | 4        |          |          |          |          |          |          |  |  |
| 8        | 3.3      | 5        |          |          |          | 2        |          |          |          |          | 1.4      | 3        |          |          |          | 8        |          |          |          | 2.3      | 5*       |          |          |          |          |          |          |  |  |
| 9        | 2.0      | 2        |          |          |          | 3        |          |          |          |          | 4.0      | 6*       |          |          |          | 2        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 10       | 2.0      | 2        |          |          |          | 2        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 11       | 2.5      | 4        |          |          |          | 3        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 12       | 2.0      | 3        |          |          |          | 2        | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 年平均      | 2.4      |          |          |          |          | 2        | 0        |          |          |          | 1.6      |          |          |          |          | 2        |          |          |          | 1.8      |          |          |          |          |          |          |          |  |  |
| 成年频率     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 4        | 4.5      | 7*       |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 5        | 1.8      | 3        |          |          |          | 4        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          | 1.4      | 3        |          |          |          |          |          |          |  |  |
| 6        | 2.5      | 4        |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 7        | 2.0      | 3        |          |          |          | 2        |          |          |          |          | 1.5      | 2        |          |          |          | 2        |          |          |          | 1.7      | 4        |          |          |          |          |          |          |  |  |
| 8        | 3.3      | 5        |          |          |          | 2        |          |          |          |          | 1.4      | 3        |          |          |          | 8        |          |          |          | 2.3      | 5*       |          |          |          |          |          |          |  |  |
| 9        | 2.0      | 2        |          |          |          | 3        |          |          |          |          | 4.0      | 6*       |          |          |          | 2        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 10       | 2.0      | 2        |          |          |          | 2        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 11       | 2.5      | 4        |          |          |          | 3        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 12       | 2.0      | 3        |          |          |          | 2        | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 年平均      | 2.4      |          |          |          |          | 2        | 0        |          |          |          | 1.6      |          |          |          |          | 2        |          |          |          | 1.8      |          |          |          |          |          |          |          |  |  |
| 成年频率     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 4        | 4.5      | 7*       |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 5        | 1.8      | 3        |          |          |          | 4        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          | 1.4      | 3        |          |          |          |          |          |          |  |  |
| 6        | 2.5      | 4        |          |          |          | 2        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |
| 7        | 2.0      | 3        |          |          |          | 2        |          |          |          |          | 1.5      | 2        |          |          |          | 2        |          |          |          | 1.7      | 4        |          |          |          |          |          |          |  |  |
| 8        | 3.3      | 5        |          |          |          | 2        |          |          |          |          | 1.4      | 3        |          |          |          | 8        |          |          |          | 2.3      | 5*       |          |          |          |          |          |          |  |  |
| 9        | 2.0      | 2        |          |          |          | 3        |          |          |          |          | 4.0      | 6*       |          |          |          | 2        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 10       | 2.0      | 2        |          |          |          | 2        |          |          |          |          | 2.0      | 2        |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 11       | 2.5      | 4        |          |          |          | 3        |          |          |          |          | 1.0      | 1        |          |          |          | 1        |          |          |          | 1.5      | 2        |          |          |          |          |          |          |  |  |
| 12       | 2.0      | 3        |          |          |          | 2        | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |
| 年平均      | 2.4      |          |          |          |          | 2        | 0        |          |          |          | 1.6      |          |          |          |          | 2        |          |          |          | 1.8      |          |          |          |          |          |          | </       |  |  |

# 莺歌海

| 项目<br>月份 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 |  |  |  |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|--|--|
| N        |          |          |          |          |          |          |          |          | NNE      |          |          |          |          |          |          |          |          | NE       |          |          |          |          |          |          |          |          | ENE      |          |          |          |          |          |  |  |  |
| 1        | 4.1      | 8        | 4.5      | 0.6      | 0.7      | 9        | 2        |          | 1.0      | 1        |          |          |          |          | 1        |          | 1.0      | 1        |          |          |          |          |          |          | 1.0      | 1        |          |          |          |          | 2        |          |  |  |  |
| 2        | 3.5      | 6        | 4.1      | 0.8      | 1.1      | 9        | 3        |          |          |          |          |          |          |          |          |          | 1.5      | 2        |          |          |          |          |          |          | 1.5      | 2        |          |          |          |          | 2        |          |  |  |  |
| 3        | 4.4      | 6        | 4.1      | 0.8      | 1.4      | 9        | 6        |          | 4.5      | 6        | 4.1      | 0.8      | 0.9      | 2        | 2        |          | 1.0      | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 4        | 6.0      | 8        |          |          |          | 3        | 1        |          | 3.0      | 3        |          |          |          |          | 1        |          | 1.0      | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 5        | 7.7      | 10*      | 5.8      | 1.5      | 1.7      | 2        | 2        |          | 2.5      | 3        |          |          |          |          | 2        |          | 4.0      | 4*       |          |          |          |          |          |          | 1.5      | 2        |          |          |          |          | 2        |          |  |  |  |
| 6        | 3.0      | 3        |          |          |          | 2        |          |          | 4.5      | 8*       |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 7        | 7.7      | 8        | 4.2      | 0.9      | 1.2      | 2        | 2        |          | 1.0      | 1        |          |          |          |          | 2        |          | 1.0      | 1        |          |          |          |          |          |          | 2.0      | 2        |          |          |          |          | 1        |          |  |  |  |
| 8        |          |          |          |          |          |          |          |          | 3.5      | 6        | 4.5      | 0.9      | 1.1*     | 2        | 1        |          | 2.0      | 2        |          |          |          |          |          |          | 1.5      | 2        |          |          |          |          | 2        |          |  |  |  |
| 9        | 5.9      | 10*      | 4.3      | 1.1      | 1.8      | 12       | 10       |          | 1.4      | 2        |          |          |          |          | 4        | 1        | 1.5      | 4*       |          |          |          |          |          |          | 1.3      | 2        |          |          |          |          | 3        |          |  |  |  |
| 10       | 2.0      | 3        | 3.5      | 0.6      | 0.7      | 2        | 2        |          | 4.0      | 7        |          |          |          |          | 2        |          | 1.0      | 1        |          |          |          |          |          |          | 2.0      | 5*       |          |          |          |          | 6        |          |  |  |  |
| 11       | 5.7      | 10*      | 4.3      | 1.1      | 1.9*     | 22       | 21       | 3        | 1.7      | 3        |          |          |          |          | 2        |          | 1.4      | 3        |          |          |          |          |          |          | 1.0      | 1        |          |          |          |          | 3        | 1        |  |  |  |
| 12       | 4.6      | 7        | 3.8      | 0.8      | 1.2      | 11       | 10       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 年平均      | 5.0      |          | 4.2      | 1.0      |          | 7        | 5        | 0        | 2.6      |          | 4.2      | 0.8      |          | 1        | 0        |          | 1.4      |          |          |          |          |          |          |          | 1.5      |          |          |          |          | 2        | 0        |          |  |  |  |
| 成年频率     |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| E        |          |          |          |          |          |          |          |          | ESE      |          |          |          |          |          |          |          |          | SE       |          |          |          |          |          |          |          |          | SSE      |          |          |          |          |          |  |  |  |
| 1        | 2.0      | 4        | 3.8      | 0.6      | 0.7      | 15       | 3        |          | 1.0      | 1        | 4.3      | 0.6      | 0.7      | 2        | 2        | 1        | 2.8      | 6        | 3.6      | 0.8      | 1.0      | 3        | 4        | 2        | 1.5      | 2        | 4.5      | 0.7      | 0.9      | 2        | 2        | 6        |  |  |  |
| 2        | 2.6      | 4        |          |          |          | 8        |          |          | 4.4      | 7        | 4.2      | 0.8      | 1.1      | 11       | 9        |          | 6.0      | 8        | 4.3      | 0.9      | 1.6      | 25       | 32       | 1        | 5.7      | 8        | 4.2      | 0.7      | 1.0      | 12       | 15       | 3        |  |  |  |
| 3        | 2.4      | 5        |          |          |          | 6        |          |          | 5.3      | 8*       | 4.0      | 0.8      | 1.4*     | 15       | 12       |          | 6.4      | 9*       | 4.1      | 0.8      | 1.7      | 29       | 40       |          | 5.3      | 7        | 4.0      | 0.7      | 0.9      | 6        | 3        | 2        |  |  |  |
| 4        | 3.0      | 5        | 3.4      | 0.6      | 0.7      | 7        | 2        |          | 4.5      | 8*       | 4.3      | 0.9      | 1.3      | 14       | 12       |          | 6.4      | 9*       | 4.1      | 0.8      | 1.7      | 42       | 53       | 1        | 5.4      | 7        | 4.1      | 0.8      | 1.1      | 13       | 8        | 5        |  |  |  |
| 5        | 2.9      | 5        | 3.5      | 0.6      | 0.8      | 9        | 6        |          | 3.7      | 6        | 3.7      | 0.7      | 1.0      | 7        | 6        |          | 5.5      | 7        | 3.8      | 0.7      | 1.1      | 19       | 20       |          | 5.8      | 9*       | 3.9      | 0.7      | 1.2      | 13       | 15       | 5        |  |  |  |
| 6        | 1.9      | 3        | 4.2      | 0.6      | 0.9      | 8        | 3        |          | 3.2      | 5        | 4.1      | 0.8      | 1.1      | 12       | 8        |          | 4.8      | 7        | 4.1      | 0.9      | 1.8      | 33       | 33       | 4        | 3.9      | 6        | 4.4      | 0.9      | 1.3      | 12       | 12       |          |  |  |  |
| 7        | 2.6      | 4        |          |          |          | 9        | 6        |          | 3.1      | 4        | 4.4      | 0.9      | 1.0      | 10       | 9        |          | 4.9      | 7        | 4.6      | 1.1      | 1.9*     | 23       | 26       |          | 4.1      | 7        | 4.3      | 0.9      | 1.4*     | 11       | 9        | 1        |  |  |  |
| 8        | 2.1      | 4        |          |          |          | 8        | 2        |          | 3.7      | 5        | 4.2      | 1.0      | 1.3      | 6        | 5        |          | 4.1      | 6        | 3.9      | 0.9      | 1.4      | 10       | 13       | 1        | 4.6      | 7        | 3.7      | 0.8      | 1.2      | 14       | 11       |          |  |  |  |
| 9        | 1.5      | 2        |          |          |          | 11       | 1        |          | 3.0      | 3        | 3.6      | 0.5      | 0.6      | 1        | 2        |          | 4.2      | 5        | 3.9      | 0.6      | 0.7      | 4        | 5        |          | 3.5      | 5        | 3.8      | 0.7      | 1.0      | 10       | 7        | 1        |  |  |  |
| 10       | 1.9      | 4        | 4.3      | 0.6      | 0.8      | 10       | 5        |          | 2.8      | 4        | 4.1      | 0.8      | 1.1      | 5        | 2        |          | 4.5      | 6        | 3.9      | 0.8      | 1.2      | 10       | 12       |          | 3.0      | 5        | 4.4      | 0.7      | 1.4*     | 8        | 4        | 6        |  |  |  |
| 11       | 1.6      | 3        | 4.0      | 0.9      | 1.1*     | 8        | 3        |          | 3.3      | 4        | 3.9      | 0.7      | 1.0      | 3        | 3        |          | 4.2      | 4        | 4.2      | 0.6      | 0.7      |          |          | 3        | 2.7      | 3        | 4.5      | 0.6      | 1.0      | 3        | 4        | 5        |  |  |  |
| 12       | 3.1      | 6*       | 4.2      | 0.9      | 1.0      | 6        | 1        |          | 4.1      | 7        | 3.8      | 0.8      | 1.2      | 9        | 8        |          | 4.1      | 6        | 3.6      | 0.7      | 0.9      | 6        | 9        |          | 3.7      | 5        | 4.1      | 0.6      | 0.8      | 2        | 2        | 5        |  |  |  |
| 年平均      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 成年频率     | 2.2      |          | 3.9      | 0.6      |          | 9        | 3        |          | 4.0      |          | 4.1      | 0.8      |          | 8        | 6        | 0        | 5.5      |          | 4.1      | 0.8      |          | 17       | 20       | 1        | 4.5      |          | 4.1      | 0.7      |          | 9        | 8        | 3        |  |  |  |
| S        |          |          |          |          |          |          |          |          | SSW      |          |          |          |          |          |          |          |          | SW       |          |          |          |          |          |          |          |          | WSW      |          |          |          |          |          |  |  |  |
| 1        | 3.3      | 5        | 4.8      | 0.6      | 1.2      | 2        | 2        | 51       | 2.5      | 3        | 4.5      | 0.6      | 0.9      | 2        | 1        | 1        | 3.0      | 4        | 3.9      | 0.5      | 0.8      | 4        | 3        | 3        | 2.7      | 3        | 3.0      | 0.4      | 0.4      | 2        | 2        |          |  |  |  |
| 2        | 4.3      | 7*       | 4.6      | 0.6      | 1.6      | 8        | 4        | 41       |          |          | 3.0      | 0.4      | 0.4      |          | 1        |          | 3.0      | 3        | 3.5      | 0.6      | 0.7      | 1        | 1        |          | 2.0      | 2        |          |          |          |          | 1        |          |  |  |  |
| 3        | 5.0      | 7*       | 4.5      | 0.7      | 1.3      | 4        | 2        | 22       | 4.0      | 4        | 3.0      | 0.6      | 0.6      | 1        | 1        |          | 2.0      | 2        |          |          |          |          |          |          | 1.0      | 1        |          |          |          |          | 2        |          |  |  |  |
| 4        | 3.0      | 5        | 4.4      | 0.7      | 1.3      | 8        | 1        | 17       | 2.9      | 4        | 4.7      | 0.9      | 1.4      | 6        | 4        | 2        | 4.3      | 6        | 4.8      | 1.3      | 2.3      | 13       | 14       | 7        | 2.9      | 5        | 4.2      | 1.0      | 2.2      | 6        | 5        | 2        |  |  |  |
| 5        | 3.8      | 7*       | 4.1      | 0.6      | 0.9      | 4        | 6        | 6        | 2.7      | 5        | 4.6      | 0.8      | 1.4      | 3        | 1        | 5        | 3.3      | 12*      | 4.9      | 1.1      | 2.3      | 5        | 7        | 3        | 4.3      | 9*       | 5.0      | 1.6      | 2.8*     | 8        | 7        | 3        |  |  |  |
| 6        | 3.5      | 6        | 4.3      | 0.7      | 1.4      | 8        | 7        | 23       | 3.7      | 6*       | 5.0      | 1.0      | 1.8*     | 5        | 5        | 13       | 3.9      | 8        | 5.3      | 1.4      | 2.7*     | 8        | 6        | 19       | 4.9      | 8        | 5.0      | 1.6      | 2.7      | 6        | 8        | 3        |  |  |  |
| 7        | 4.1      | 5        | 4.4      | 0.9      | 1.8*     | 12       | 11       | 10       | 3.0      | 6*       | 4.7      | 0.7      | 1.7      | 5        | 2        | 12       | 3.6      | 8        | 5.1      | 1.4      | 2.4      | 11       | 9        | 21       | 3.6      | 9*       | 5.2      | 1.5      | 2.7      | 13       | 16       | 18       |  |  |  |
| 8        | 3.3      | 5        | 4.2      | 0.8      | 1.4      | 10       | 9        | 23       | 2.8      | 4        | 4.5      | 0.6      | 0.9      | 1        | 1        | 13       | 3.2      | 6        | 4.3      | 0.8      | 1.0      | 4        | 2        | 8        | 3.4      | 5        | 3.6      | 0.7      | 1.1      | 4        | 6        | 1        |  |  |  |
| 9        | 3.8      | 6        | 4.4      | 0.6      | 1.1      | 10       | 8        | 28       | 2.0      | 3        | 4.8      | 0.6      | 1.1      | 3        | 2        | 20       | 2.0      | 3        | 4.5      | 0.6      | 1.0      | 5        | 3        | 8        | 3.5      | 4        |          |          |          |          | 2        | 1        |  |  |  |
| 10       | 3.6      | 6        | 4.5      | 0.6      | 1.2      | 6        | 6        | 29       | 2.3      | 3        | 4.5      | 0.8      | 1.0      | 3        | 2        | 14       | 2.5      | 3        | 4.3      | 0.7      | 0.9      | 2        | 2        | 8        | 1.0      | 1        | 4.0      | 0.5      | 0.7      | 2        |          | 3        |  |  |  |
| 11       | 1.8      | 4        | 4.5      | 0.7      | 1.4      | 5        | 1        | 22       | 2.7      | 5        | 4.8      | 0.7      | 1.0      | 2        | 1        | 6        | 1.3      | 2        |          |          |          |          |          |          | 2.0      | 2        |          |          |          |          |          |          |  |  |  |
| 12       | 2.3      | 4        | 4.4      | 0.6      | 1.1      | 3        | 2        | 33       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 年平均      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |
| 成年频率     | 3.6      |          | 4.5      | 0.7      |          | 7        | 5        | 25       | 2.9      |          | 4.7      | 0.7      |          | 3        | 2        | 7        | 3.5      |          | 4.8      | 1.1      |          | 5        | 4        | 7        | 3.4      |          | 4.9      | 1.4      |          | 4        | 4        | 2        |  |  |  |
| W        |          |          |          |          |          |          |          |          | WNW      |          |          |          |          |          |          |          |          | NW       |          |          |          |          |          |          |          |          | NNW      |          |          |          |          |          |  |  |  |
| 1        | 2.8      | 4        | 4.0      | 0.6      | 0.7      | 10       | 11       | 2        | 2.7      | 4        | 4.4      | 0.5      | 0.7      | 6        | 4        | 10       | 3.0      | 6        | 3.9      | 0.6      | 1.0      | 19       | 11       | 2        | 4.0      | 7        | 4.1      | 0.9      | 1.6      | 10       | 15       | 2        |  |  |  |
| 2        | 2.4      | 4        | 3.5      | 0.5      | 0.6      | 6        | 3        |          | 2.0      | 3        | 4.6      | 0.5      | 0.7      | 2        | 2        | 1        | 3.2      | 5        | 4.9      | 0.8      | 1.4      | 4        | 1        | 4        | 4.4      | 5        | 4.3      | 0.8      | 1.2      | 6        | 12       | 4        |  |  |  |
| 3        | 1.0      | 1        | 5.0      | 0.8      | 1.0      | 1        |          |          | 2.5      | 4        | 3.9      | 0.9      | 1.2      | 2        | 2        | 2        | 3.4      | 5        | 4.8      | 0.8      | 1.4      | 4        | 3        | 15       | 4.2      | 6        | 4.4      | 0.9      | 1.3      | 12       | 14       | 3        |  |  |  |
| 4        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1.5      | 2        | 4.4      | 0.7      | 1.2      | 2        | 3        |          | 6.4      | 8        | 4.3      | 0.8      | 1.2      | 7        | 9        | 6        |  |  |  |
| 5        | 3.3      | 6*       | 4.2      | 0.5      | 0.6      | 3        | 2        | 1        | 4.7      | 5*       | 4.1      | 0.7      | 1.1      | 2        | 2        | 2        | 6.0      | 9*       | 4.3      | 0.7      | 1.2      | 4        | 5        | 4        | 7.5      | 10*      | 4.5      | 0.7      | 1.6      | 3        | 5        | 3        |  |  |  |
| 6        | 3.0      | 4        | 4.6      | 0.9      | 2.9*     | 3        | 3        | 8        |          |          | 5.1      | 1.1      | 1.4      |          | 1        | 2        | 4.5      | 6        |          |          |          |          |          |          | 3.0      | 3        |          |          |          |          | 3        | 3        |  |  |  |
| 7        | 3.8      | 5        | 5.1      | 1.3      | 1.8      | 4        | 3        | 8        | 4.0      | 5*       | 3.5      | 0.7      | 0.8      |          | 2        | 2        |          |          | 5.1      | 1.3      | 1.8      |          |          | 2        | 6.8      | 9        | 4.1      | 0.9      | 1.2      | 3        | 3        | 1        |  |  |  |
| 8        | 2.8      | 4        | 4.0      | 0.7      | 1.4      | 10       | 8        | 3        | 3.0      | 3        | 4.4      | 0.9      | 1.5*     | 1        | 1        | 2        | 3.7      | 4        | 3.5      | 0.5      | 0.7      | 2        | 2        |          | 4.3      | 5        | 3.3      | 0.5      | 0.6      | 3        | 3        |          |  |  |  |
| 9        | 3.3      | 6*       | 4.4      | 0.9      | 1.4      | 8        | 6        | 3        | 3.5      | 4        | 3.8      | 0.6      | 0.9      | 2        | 5        | 3        | 4.3      | 8        | 4.1      | 0.9      | 1.9*     | 12       | 8        | 7        | 6.0      | 9        | 4.1      | 0.9      | 1.8*     | 14       | 13       | 3        |  |  |  |
| 10       | 2.1      | 3        | 3.8      | 0.5      | 0.8      | 7        | 7        | 2        | 2.8      | 4        | 3.6      | 0.5      | 0.7      | 8        | 5        | 2        | 2.5      | 3        | 4.2      | 0.5      | 0.7      | 5        | 3        | 10       | 5.3      | 8        | 3.7      | 0.7      | 1.4      | 8        | 7        | 2        |  |  |  |
| 11       | 2.4      | 5        | 3.7      | 0.7      | 0.9      | 7        | 5        |          | 2.1      | 3        | 4.6      | 0.8      | 1.3      | 8        | 6        | 8        | 3.3      | 6        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |  |  |  |

## 海 口

| 月<br>份           | 表 层 水 温 (°C) |        |        |        |        | 表 层 盐 度 (‰) |        |        |        |        | 有<br>海<br>发<br>光<br>日<br>数 | 无<br>海<br>发<br>光<br>日<br>数 | 平<br>均<br>风<br>速<br><br>(米/秒) | 平<br>均<br>周<br>期<br><br>(秒) | 平<br>均<br>波<br>高<br><br>(米) | 海 况 (级) 出 现 回 数 |   |   |   |   |    | 波 型 出 现 回 数 |        |
|------------------|--------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|----------------------------|----------------------------|-------------------------------|-----------------------------|-----------------------------|-----------------|---|---|---|---|----|-------------|--------|
|                  | 平<br>均       | 最<br>高 | 日<br>期 | 最<br>低 | 日<br>期 | 平<br>均      | 最<br>大 | 日<br>期 | 最<br>小 | 日<br>期 |                            |                            |                               |                             |                             | 0-2             | 3 | 4 | 5 | 6 | ≥7 | 风<br>浪      | 涌<br>浪 |
| 1                | 17.6         | 19.2   | 3      | 15.0   | 1      | 31.2        | 31.9   | 9      | 30.3   | 24     | 23                         | 1                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 2                | 19.7         | 22.5   | 27     | 17.4   | 1      | 31.1        | 31.8   | 3      | 29.2   | 19     | 27                         | 1                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 3                | 19.7         | 24.7   | 27     | 15.6   | 3      | 30.1        | 33.0*  | 30     | 25.8   | 11,16  | 22                         | 7                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 4                | 23.5         | 27.4   | 26     | 21.6   | 1,2    | 31.8        | 33.0*  | 21     | 30.3   | 16     | 21                         | 4                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 5                | 27.7         | 32.7   | 26     | 24.2   | 6      | 30.6        | 32.5   | 1      | 27.9   | 12     | 26                         | 4                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 6                | 28.9         | 32.3   | 27,28  | 26.6   | 6      | 30.6        | 31.8   | 21,26  | 26.5   | 3      | 24                         | 4                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 7                | 29.0         | 32.4   | 18     | 26.4   | 25     | 29.2        | 31.8   | 7      | 18.5   | 25     | 27                         | 4                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 8                | 29.4         | 33.3*  | 31     | 27.2   | 1,2    | 28.6        | 31.8   | 15     | 18.6   | 5      | 31                         | 0                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 9                | 28.8         | 32.6   | 6      | 24.4   | 29     | 28.2        | 32.2   | 17     | 12.9   | 29     | 28                         | 2                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 10               | 26.8         | 31.2   | 24     | 25.4   | 31     | 26.2        | 29.3   | 19,20  | 9.2*   | 1      | 21                         | 1                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 11               | 21.9         | 27.9   | 5      | 17.8   | 18     | 27.9        | 31.0   | 30     | 24.1   | 18     | 5                          | 3                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 12               | 19.8         | 23.3   | 25     | 13.6*  | 29,30  | 30.1        | 31.8   | 4      | 22.6   | 29     | 22                         | 0                          |                               |                             |                             |                 |   |   |   |   |    |             |        |
| 年 平 均<br>或 年 合 计 | 24.4         |        |        |        |        | 29.6        |        |        |        |        | 277                        | 31                         |                               |                             |                             |                 |   |   |   |   |    |             |        |

| 月<br>份 | 波高(级)出现回数 |     |     |     |     |      | 最 大 值 统 计 |     |     |     |     |     |     |     |     |      | 最多风向 |   | 最多风浪向 |   | 最多涌浪向 |   |     |  |
|--------|-----------|-----|-----|-----|-----|------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|---|-------|---|-------|---|-----|--|
|        | 0.0       | 0.8 | 1.3 | 2.0 | 3.5 | ≥    | 风         |     |     | 海 况 |     | 周 期 |     | 波 高 |     | 最大波高 |      | 向 | 频 率   | 向 | 频 率   | 向 | 频 率 |  |
|        | 0.7       | 1.2 | 1.9 | 3.4 | 6.0 | 6.1  | 风 速       | 风 向 | 日 期 | 级   | 日 期 | 秒   | 日 期 | 米   | 日 期 | 米    | 日 期  |   |       |   |       |   |     |  |
|        | (0-2)     | (3) | (4) | (5) | (6) | (≥7) |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 1      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 2      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 3      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 4      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 5      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 6      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 7      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 8      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 9      |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 10     |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 11     |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 12     |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |
| 年平均    |           |     |     |     |     |      |           |     |     |     |     |     | 年最多 |     | 频率  |      | 年最多  |   | 频率    |   | 年最多   |   | 频率  |  |
| 最多统计   |           |     |     |     |     |      |           |     |     |     |     |     |     |     |     |      |      |   |       |   |       |   |     |  |

## 硃 州 岛

| 月<br>份                          | 表 层 水 温 (°C) |        |        |        |        | 表 层 盐 度 (‰) |        |        |        |        | 有<br>海<br>发<br>光<br>日<br>数 | 无<br>海<br>发<br>光<br>日<br>数 | 平<br>均<br>风<br>速<br>(米/秒) | 平<br>均<br>周<br>期<br>(秒) | 平<br>均<br>波<br>高<br>(米) | 海 况 (级) 出 现 回 数 |     |     |    |   |    | 波 型 出 现 回 数 |        |     |
|---------------------------------|--------------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|----------------------------|----------------------------|---------------------------|-------------------------|-------------------------|-----------------|-----|-----|----|---|----|-------------|--------|-----|
|                                 | 平<br>均       | 最<br>高 | 日<br>期 | 最<br>低 | 日<br>期 | 平<br>均      | 最<br>大 | 日<br>期 | 最<br>小 | 日<br>期 |                            |                            |                           |                         |                         | 0-2             | 3   | 4   | 5  | 6 | ≥7 | 风<br>浪      | 涌<br>浪 |     |
| 1                               | 16.4         | 17.7   | 29     | 15.2*  | 1      | 30.47       | 30.67  | 6      | 30.25  | 14     | 9                          | 11                         | 4.4                       | 4.3                     | 1.0                     | 53              | 38  | 30  | 3  |   |    | 124         | 102    |     |
| 2                               | 18.2         | 19.5   | 28     | 16.2   | 2      | 29.92       | 30.81  | 28     | 29.47  | 25     | 4                          | 13                         | 4.7                       | 3.7                     | 0.8                     | 45              | 39  | 23  | 2  |   |    | 109         | 32     |     |
| 3                               | 18.9         | 21.0   | 18,28  | 16.8   | 5      | 30.33       | 31.17  | 31     | 29.75  | 15     | 4                          | 22                         | 4.6                       | 4.0                     | 0.9                     | 38              | 40  | 32  |    |   |    | 110         | 64     |     |
| 4                               | 21.7         | 24.9   | 29     | 19.4   | 5      | 30.81       | 31.52  | 13     | 29.14  | 25     | 11                         | 14                         | 4.5                       | 3.6                     | 0.8                     | 56              | 21  | 38  | 1  |   |    | 116         | 48     |     |
| 5                               | 26.8         | 30.5   | 31     | 23.9   | 9      | 29.06       | 30.44  | 1      | 27.90  | 26     | 4                          | 24                         | 3.5                       | 3.6                     | 0.6                     | 58              | 53  | 13  |    |   |    | 124         | 43     |     |
| 6                               | 27.6         | 30.8   | 24     | 24.1   | 10,11  | 31.24       | 32.56  | 11     | 28.34  | 22     | 0                          | 27                         | 3.4                       | 3.5                     | 0.6                     | 60              | 50  | 10  |    |   |    | 120         | 42     |     |
| 7                               | 28.1         | 29.8   | 20     | 26.1   | 12     | 31.77       | 33.24* | 11     | 29.82  | 8      | 0                          | 25                         | 4.1                       | 3.6                     | 0.7                     | 41              | 43  | 28  | 10 | 2 |    | 124         | 27     |     |
| 8                               | 29.3         | 31.3*  | 20,21  | 27.4   | 4天     | 29.23       | 30.91  | 3      | 27.07  | 21     | 3                          | 20                         | 3.4                       | 3.3                     | 0.5                     | 75              | 34  | 15  |    |   |    | 124         | 40     |     |
| 9                               | 28.0         | 31.2   | 1      | 24.7   | 25     | 28.71       | 32.30  | 8      | 22.00  | 27     | 3                          | 18                         | 4.8                       | 3.9                     | 0.9                     | 59              | 17  | 17  | 21 | 6 |    | 120         | 38     |     |
| 10                              | 26.1         | 27.6   | 19     | 24.9   | 31     | 26.27       | 29.48  | 24     | 20.96* | 15     | 5                          | 14                         | 4.8                       | 3.9                     | 1.0                     | 28              | 42  | 45  | 9  |   |    | 124         | 36     |     |
| 11                              | 21.9         | 25.7   | 4      | 18.3   | 28,30  | 29.34       | 30.23  | 28     | 28.55  | 10     | 0                          | 17                         | 5.2                       | 4.3                     | 1.2                     | 10              | 35  | 58  | 17 |   |    | 120         | 57     |     |
| 12                              | 19.0         | 21.0   | 25     | 16.4   | 31     | 29.94       | 30.45  | 30     | 29.46  | 17     | 9                          | 16                         | 4.1                       | 4.3                     | 1.0                     | 36              | 58  | 27  | 1  |   |    | 122         | 104    |     |
| 年<br>平<br>均<br>或<br>年<br>合<br>计 | 23.5         |        |        |        |        | 29.76       |        |        |        |        | 52                         | 227                        | 4.3                       | 3.8                     | 0.8                     | 559             | 470 | 336 | 64 | 8 |    |             | 1437   | 633 |

| 月<br><br>份 | 波高(级)出现回数 |     |     |     |     |      |    | 最 大 值 统 计 |       |       |    |     |      |     |      |      |      | 最多风向  |        | 最多风浪向 |        | 最多涌浪向 |        |    |     |    |    |
|------------|-----------|-----|-----|-----|-----|------|----|-----------|-------|-------|----|-----|------|-----|------|------|------|-------|--------|-------|--------|-------|--------|----|-----|----|----|
|            | 0.0       | 0.8 | 1.3 | 2.0 | 3.5 | ≥    |    | 风         |       | 海 况   |    | 周 期 |      | 波 高 |      | 最大波高 |      | 向     | 频<br>率 | 向     | 频<br>率 | 向     | 频<br>率 |    |     |    |    |
|            | 0.7       | 1.2 | 1.9 | 3.4 | 6.0 | 6.1  |    |           |       |       |    |     |      |     |      |      |      |       |        |       |        |       |        |    |     |    |    |
|            | (0-2)     | (3) | (4) | (5) | (6) | (≥7) | 风速 | 风 向       | 日期    | 级     | 日期 | 秒   | 日期   | 米   | 日期   | 米    | 日期   |       |        |       |        |       |        |    |     |    |    |
| 1          | 22        | 73  | 29  |     |     |      |    | 10        | 强E    | 21    | 5  | 21  | 6.3  | 5   | 1.7  | 3天   | 2.5  | 21    | 强E     | 47    | 强E     | 36    | 强E     | 44 |     |    |    |
| 2          | 49        | 49  | 11  |     |     |      |    | 11        | 强E    | 5     | 5  | 5   | 6.4  | 2   | 1.5  | 20   | 1.8  | 20,21 | 强E     | 36    | E      | 37    | 强E,SE  | 14 |     |    |    |
| 3          | 38        | 49  | 23  |     |     |      |    | 10        | 强E    | 31    | 4  | 13天 | 5.6  | 9   | 1.9  | 21   | 2.3  | 20    | E      | 22    | 强E     | 25    | SE     | 34 |     |    |    |
| 4          | 55        | 48  | 13  |     |     |      |    | 9         | 强E,SE | 4,23  | 5  | 4   | 5.3  | 14  | 1.8  | 4    | 2.4  | 4     | 强E     | 28    | 强E     | 25    | SE     | 21 |     |    |    |
| 5          | 95        | 29  |     |     |     |      |    | 8         | E     | 8     | 4  | 7天  | 5.8  | 28  | 1.2  | 5,13 | 1.5  | 5,8   | E      | 21    | 强E     | 18    | SE     | 16 |     |    |    |
| 6          | 86        | 30  | 3   | 1   |     |      |    | 7         | 3个    | 22,29 | 4  | 6天  | 7.2  | 30  | 2.2  | 27   | 2.4  | 27    | 强E     | 16    | 30E    | 20    | SE     | 13 |     |    |    |
| 7          | 78        | 36  | 10  |     |     |      |    | 13        | 强E    | 23    | 6* | 24  | 6.1  | 26  | 1.9  | 23   | 2.5  | 23    | SE     | 20    | 3      | 19    | SE     | 8  |     |    |    |
| 8          | 98        | 22  | 4   |     |     |      |    | 7         | 4个    | 3天    | 4  | 8天  | 6.9  | 10  | 1.5  | 24   | 2.0  | 24    | SE     | 20    | 强E,SE  | 13    | SE     | 17 |     |    |    |
| 9          | 63        | 19  | 35  | 3   |     |      |    | 18*       | WSW   | 20    | 6* | 3天  | 8.0* | 19  | 2.6* | 19   | 3.2* | 19    | 强E     | 18    | 强E     | 13    | SE     | 18 |     |    |    |
| 10         | 37        | 59  | 28  |     |     |      |    | 10        | 强E    | 31    | 5  | 5天  | 5.5  | 21  | 1.9  | 6    | 2.5  | 6     | 强E     | 35    | 强E,E   | 32    | SE     | 17 |     |    |    |
| 11         | 5         | 66  | 48  | 1   |     |      |    | 8         | 强E,强E | 5天    | 5  | 5天  | 6.3  | 5   | 2.1  | 12   | 2.7  | 12    | 强E     | 43    | 强E     | 40    | SE     | 42 |     |    |    |
| 12         | 17        | 75  | 30  |     |     |      |    | 7         | 4个    | 5天    | 5  | 27  | 6.9  | 29  | 1.6  | 29   | 2.3  | 29    | 强E     | 33    | 强E     | 30    | SE     | 48 |     |    |    |
| 年平均        | 643       | 555 | 234 | 5   |     |      |    |           |       |       |    |     |      |     |      |      |      |       | 年最多    | 频率    | 24     | 年最多   | 频率     | 24 | 年最多 | 频率 | 23 |

硃 洲 島

| 项目<br>月份 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 | 平均<br>风速 | 最大<br>风速 | 平均<br>周期 | 平均<br>波高 | 最大<br>波高 | 风的<br>频率 | 风浪<br>频率 | 涌浪<br>频率 |    |  |  |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|--|--|
| N        |          |          |          |          |          |          |          |          | NNE      |          |          |          |          |          |          |          |          | NE       |          |          |          |          |          |          |          |          | ENE      |          |          |          |          |          |    |  |  |
| 1        | 5.0      | 6        |          |          |          | 2        | 2        |          | 4.0      | 9*       | 4.2      | 1.3      | 1.3      | 15       | 6        |          | 3.9      | 6        | 3.6      | 0.9      | 1.2      | 11       | 15       |          | 4.9      | 10       | 4.0      | 1.2      | 1.7      | 47       | 56       | 2        |    |  |  |
| 2        | 3.2      | 5        |          |          |          | 4        | 1        |          | 3.7      | 5        | 3.1      | 0.5      | 0.7      | 9        | 4        |          | 4.0      | 6        | 3.6      | 0.9      | 1.5      | 4        | 14       |          | 5.8      | 11       | 3.7      | 1.1      | 1.7      | 36       | 25       |          |    |  |  |
| 3        | 4.0      | 7        |          |          |          | 6        | 4        |          | 4.7      | 7        | 4.6      | 1.3      | 1.9      | 10       | 12       |          | 4.5      | 9        | 4.2      | 1.4      | 2.3*     | 18       | 25       |          | 5.5      | 10       | 3.6      | 1.0      | 1.8      | 17       | 10       |          |    |  |  |
| 4        | 4.3      | 9*       | 2.6      | 0.4      | 0.5*     | 6        | 3        |          | 3.0      | 4        | 3.7      | 0.8      | 1.1      | 2        | 5        |          | 2.4      | 4        | 3.7      | 0.9      | 1.4      | 8        | 7        |          | 5.9      | 9        | 3.5      | 1.1      | 2.0      | 28       | 25       |          |    |  |  |
| 5        | 3.7      | 5        | 3.1      | 0.4      | 0.5*     | 2        | 2        |          | 3.0      | 4        | 3.3      | 0.5      | 1.3      | 4        | 6        |          | 2.9      | 4        | 3.5      | 0.6      | 1.5      | 6        | 10       |          | 4.4      | 7        | 3.4      | 0.7      | 1.5      | 18       | 16       |          |    |  |  |
| 6        |          |          |          |          |          |          |          |          | 3.5      | 4        |          |          |          | 2        | 1        |          | 3.0      | 3        |          |          |          | 1        |          |          | 3.6      | 5        | 3.4      | 0.5      | 1.0      | 8        | 7        |          |    |  |  |
| 7        |          |          |          |          |          |          |          |          | 8.0      | 9*       | 5.0      | 1.0      | 1.3      | 2        | 1        |          | 5.1      | 11*      | 3.6      | 0.8      | 1.2      | 6        | 5        |          | 7.3      | 9        | 4.5      | 1.4      | 2.5      | 3        | 4        |          |    |  |  |
| 8        | 2.5      | 4        |          |          |          | 2        |          |          | 4.0      | 7        |          |          |          | 2        | 1        |          | 2.3      | 4        | 3.4      | 0.4      | 1.4      | 6        | 4        |          | 2.5      | 3        | 3.1      | 0.4      | 0.6      | 5        | 2        |          |    |  |  |
| 9        | 3.0      | 3        |          |          |          | 2        | 2        |          | 5.3      | 9*       | 3.7      | 1.0      | 2.5*     | 6        | 8        |          | 7.5      | 10       | 4.4      | 1.2      | 2.3*     | 13       | 10       |          | 5.2      | 14*      | 4.0      | 1.5      | 2.6      | 18       | 13       |          |    |  |  |
| 10       | 3.0      | 3        | 2.9      | 0.2      | 0.3      | 1        | 1        |          | 5.0      | 7        | 3.1      | 0.5      | 0.7      | 4        | 2        |          | 3.9      | 9        | 3.6      | 1.1      | 1.7      | 11       | 6        |          | 6.0      | 10       | 3.8      | 1.1      | 2.2      | 35       | 32       |          |    |  |  |
| 11       | 3.0      | 8        |          |          |          | 13       | 2        |          | 4.6      | 7        | 3.8      | 1.0      | 1.4      | 13       | 18       |          | 5.2      | 7        | 3.8      | 1.2      | 2.0      | 13       | 24       |          | 5.9      | 8        | 4.1      | 1.4      | 2.7*     | 43       | 40       |          |    |  |  |
| 12       | 5.4      | 7        |          |          |          | 9        |          |          | 4.4      | 7        | 4.3      | 1.1      | 1.7      | 10       | 15       |          | 4.4      | 7        | 4.0      | 1.1      | 1.4      | 17       | 22       |          | 4.1      | 7        | 3.9      | 1.1      | 2.0      | 33       | 30       |          |    |  |  |
| 年平均      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 成年频率     | 4.4      |          | 2.9      | 0.3      |          | 4        | 1        |          | 4.4      |          | 3.8      | 0.9      |          | 7        | 6        |          | 4.4      |          | 3.9      | 1.1      |          | 9        | 12       |          | 5.4      |          | 3.8      | 1.1      |          | 24       | 20       | 0        |    |  |  |
| E        |          |          |          |          |          |          |          |          | ESE      |          |          |          |          |          |          |          |          | SE       |          |          |          |          |          |          |          |          | SSE      |          |          |          |          |          |    |  |  |
| 1        | 4.3      | 7        | 3.6      | 1.1      | 1.6      | 20       | 23       | 1        | 3.7      | 5        | 4.5      | 1.0      | 1.5      | 2        | 1        | 44       | 2.0      | 2        | 4.8      | 1.0      | 1.7      | 1        | 1        | 34       |          |          | 3.5      | 0.8      | 0.8      |          |          | 1        |    |  |  |
| 2        | 4.7      | 8*       | 3.2      | 0.8      | 1.8      | 33       | 37       |          | 3.9      | 7        | 3.9      | 0.7      | 1.0      | 8        | 8        | 14       | 5.0      | 5        | 4.6      | 0.7      | 1.4      | 1        | 3        | 14       |          | 3.0      | 3        | 5.4      | 0.8      | 1.1      | 1        | 2        | 2  |  |  |
| 3        | 4.9      | 8*       | 3.4      | 0.8      | 1.9      | 22       | 23       |          | 4.2      | 7        | 4.3      | 1.0      | 2.1      | 15       | 9        | 23       | 4.5      | 7*       | 4.4      | 1.0      | 2.1      | 6        | 8        | 34       |          | 3.0      | 3        | 3.1      | 0.6      | 1.1      | 1        | 2        | 2  |  |  |
| 4        | 5.0      | 8*       | 3.5      | 1.0      | 2.4      | 23       | 15       |          | 5.0      | 8        | 3.8      | 0.7      | 1.6      | 11       | 16       | 16       | 4.6      | 7*       | 3.8      | 0.7      | 1.4      | 7        | 8        | 21       |          | 2.7      | 4        | 3.6      | 0.8      | 1.6      | 6        | 7        | 3  |  |  |
| 5        | 3.8      | 8*       | 3.4      | 0.7      | 1.4      | 21       | 18       |          | 4.0      | 6        | 3.9      | 0.6      | 1.5      | 18       | 10       | 15       | 3.2      | 4        | 4.0      | 0.6      | 1.4      | 10       | 11       | 16       |          | 1.7      | 2        | 4.3      | 0.4      | 0.6      | 2        | 2        | 3  |  |  |
| 6        | 3.9      | 7        | 3.3      | 0.6      | 1.4      | 6        | 7        |          | 3.8      | 6        | 3.8      | 0.6      | 1.4      | 16       | 7        | 4        | 3.6      | 7*       | 4.2      | 0.7      | 2.4      | 13       | 6        | 13       |          | 3.3      | 5*       | 3.7      | 0.6      | 1.4      | 13       | 20       | 10 |  |  |
| 7        | 3.2      | 6        | 3.9      | 0.9      | 2.2      | 5        | 4        |          | 5.3      | 13*      | 3.7      | 0.8      | 2.4      | 17       | 15       | 7        | 4.1      | 7*       | 3.7      | 0.7      | 2.1      | 20       | 16       | 8        |          | 3.4      | 5*       | 3.4      | 0.5      | 1.4      | 14       | 18       | 4  |  |  |
| 8        | 2.8      | 4        | 2.8      | 0.4      | 0.6      | 9        | 6        |          | 3.6      | 5        | 3.7      | 0.6      | 1.5      | 11       | 13       | 9        | 4.2      | 7*       | 4.3      | 0.6      | 2.0      | 20       | 12       | 17       |          | 3.8      | 5*       | 3.5      | 0.8      | 1.6      | 7        | 13       | 6  |  |  |
| 9        | 3.3      | 5        | 4.0      | 1.2      | 2.0      | 5        | 7        | 2        | 3.3      | 5        | 4.9      | 0.9      | 3.2*     | 5        | 4        | 12       | 2.7      | 4        | 4.3      | 0.6      | 1.2      | 15       | 7        | 18       |          | 3.3      | 5*       | 3.3      | 0.5      | 1.8*     | 3        | 8        | 1  |  |  |
| 10       | 4.9      | 8*       | 3.8      | 1.0      | 2.8      | 28       | 32       | 1        | 3.6      | 7        | 4.8      | 0.9      | 2.1      | 11       | 12       | 10       | 3.0      | 4        | 4.2      | 0.9      | 2.5*     | 2        | 4        | 17       |          | 3.0      | 4        | 3.5      | 0.6      | 1.0      | 2        | 3        | 1  |  |  |
| 11       | 4.4      | 7        | 4.0      | 1.2      | 2.5*     | 13       | 16       |          | 2.8      | 2        | 4.8      | 0.9      | 1.3      | 1        | 6        |          |          |          | 4.7      | 1.1      | 2.1      |          |          | 42       |          |          |          |          |          |          |          |          |    |  |  |
| 12       | 3.5      | 6        | 3.8      | 1.0      | 1.7      | 24       | 24       | 1        | 2.8      | 4        | 4.5      | 1.1      | 2.3      | 4        | 2        | 37       |          |          | 4.5      | 1.0      | 2.0      |          |          | 48       |          |          |          |          |          |          |          |          |    |  |  |
| 年平均      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3.7      |          | 4.3      | 0.8      |          | 8        | 6        | 23       |          | 3.2      |          | 3.6      | 0.6      |          | 4        | 6        | 3  |  |  |
| 成年频率     | 4.3      |          | 3.6      | 0.9      |          | 17       | 17       | 0        | 4.1      |          | 4.1      | 0.9      |          | 10       | 8        | 16       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| S        |          |          |          |          |          |          |          |          | SSW      |          |          |          |          |          |          |          |          | SW       |          |          |          |          |          |          |          |          | WSW      |          |          |          |          |          |    |  |  |
| 1        |          |          |          |          |          |          |          |          | 1.7      | 2        |          |          |          |          | 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 2        | 2.3      | 2        |          |          |          | 1        |          |          | 1.5      | 2        | 4.3      | 0.3      | 0.4      |          | 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 3        | 2.3      | 3        | 3.4      | 0.7      | 1.4      | 3        | 3        | 1        | 2.5      | 3        | 4.0      | 0.7      | 1.3      | 2        | 3        | 2        | 2.8      | 5        | 3.5      | 0.7      | 1.3      | 5        | 4        |          |          |          | 5.0      | 6        | 3.3      | 0.8      | 1.0      | 2        | 1  |  |  |
| 4        | 1.8      | 2        | 3.0      | 0.5      | 0.7      | 4        | 3        |          | 1.5      | 3        | 4.0      | 0.7      | 1.3      | 2        | 3        |          | 5.5      | 8        | 4.9      | 0.9      | 1.1      | 2        | 1        |          |          | 3.7      | 7        | 2.8      | 0.6      | 1.4      | 9        | 4        |    |  |  |
| 5        | 2.7      | 5        | 3.9      | 0.7      | 1.3      | 13       | 14       | 6        | 2.8      | 5*       | 3.7      | 0.7      | 1.1      | 4        | 3        |          | 4.3      | 6        | 3.0      | 0.4      | 1.1      | 3        | 7        |          |          | 4.3      | 8        | 2.8      | 0.3      | 0.6      | 3        | 2        |    |  |  |
| 6        | 2.8      | 5        | 3.6      | 0.7      | 1.9      | 15       | 10       | 2        | 2.0      | 3        | 3.3      | 0.7      | 0.9      | 2        | 2        |          | 9.7      | 12*      | 4.5      | 1.5      | 2.4*     | 3        | 2        |          |          | 3.8      | 6        | 3.0      | 0.5      | 0.7      | 8        | 2        |    |  |  |
| 7        | 3.3      | 5        | 3.4      | 0.6      | 1.2      | 6        | 4        | 1        | 3.0      | 5*       | 4.7      | 1.8      | 2.1*     | 3        | 1        |          | 3.0      | 3        |          |          |          | 1        |          |          |          | 7.0      | 18*      | 3.4      | 0.6      | 1.8*     | 3        | 3        |    |  |  |
| 8        | 3.2      | 7*       | 3.0      | 0.5      | 2.0*     | 9        | 8        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 9        | 2.5      | 3        | 3.7      | 0.8      | 1.1      | 2        | 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 10       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 11       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 12       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 年平均      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 成年频率     | 2.8      |          | 3.5      | 0.7      |          | 4        | 4        | 1        | 2.4      |          | 3.9      | 0.7      |          | 1        | 1        | 0        | 4.8      |          | 3.4      | 0.7      |          | 1        | 1        |          |          | 4.3      |          | 3.0      | 0.6      |          | 2        | 1        |    |  |  |
| W        |          |          |          |          |          |          |          |          | WNW      |          |          |          |          |          |          |          |          | NW       |          |          |          |          |          |          |          |          | NNW      |          |          |          |          |          |    |  |  |
| 1        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 3        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 4        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 5        | 3.5      | 4        | 3.1      | 0.7      | 0.9*     | 2        | 2        |          | 3.7      | 6        | 3.6      | 0.6      | 0.8      | 2        | 2        |          | 3.5      | 4        |          |          |          | 2        |          |          |          | 4.0      | 4        |          |          |          |          |          |    |  |  |
| 6        | 4.1      | 6        | 3.7      | 0.4      | 0.7      | 6        | 4        |          | 3.3      | 5        | 2.6      | 0.2      | 0.4      | 5        | 3        |          | 3.0      | 3        |          |          |          | 1        |          |          |          | 5.0      | 5        |          |          |          |          |          |    |  |  |
| 7        | 3.0      | 3        |          |          |          | 1        | 1        |          | 3.4      | 7*       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 4.3      | 6        |          |          |          |          |    |  |  |
| 8        | 4.0      | 7*       |          |          |          |          |          |          | 3.6      | 7*       | 3.5      | 0.8      | 1.3*     | 8        | 3        |          | 3.3      | 5        |          | 3.2      | 0.2      | 0.3      | 3        | 3        |          | 5.0      | 5        |          |          |          |          |          |    |  |  |
| 9        | 3.5      | 4        |          |          |          | 2        | 1        |          | 4.8      | 4        | 4.4      | 0.6      | 0.7      | 1        | 1        |          | 4.4      | 8*       | 3.8      | 0.7      | 0.8*     | 8        | 1        |          |          | 3.0      | 5        | 3.2      | 0.7      | 0.8*     | 6        | 3        |    |  |  |
| 10       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2.0      | 2        |          |          |          |          |    |  |  |
| 11       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 5.5      | 7*       |          |          |          |          |    |  |  |
| 12       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 4.5      | 5        |          |          |          |          |    |  |  |
| 年平均      |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 成年频率     | 3.9      |          | 3.4      | 0.6      |          | 1        | 1        |          | 3.5      |          | 3.5      | 0.6      |          | 2        | 1        |          | 3.4      |          | 3.5      | 0.5      |          | 2        | 0        |          |          | 4.0      |          | 3.2      | 0.7      |          | 2        | 0        |    |  |  |
| C        |          |          |          |          |          |          |          |          | *        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 1        |          |          |          |          |          | 1        | 16       | 18       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 2        |          |          |          |          |          | 3        | 9        | 71       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 3        |          |          |          |          |          | 1        | 7        | 42       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 4        |          |          |          |          |          | 2        | 11       | 59       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 5        |          |          |          |          |          | 3        | 17       | 65       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |
| 6        |          |          |          |          |          | 2        | 20       | 65       |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |    |  |  |



# 水文月报资料

# 北海

一月

| 日期   | 表层水温(°C) |      |      |      | 表层盐度(‰) | 海发光类型和级 | 海面能见度(千米或级) |      |      |
|------|----------|------|------|------|---------|---------|-------------|------|------|
|      | 08       | 14   | 20   | 平均   |         |         | 08          | 14   | 20   |
| 1    | 13.7     | 14.7 | 14.6 | 14.2 | 27.6    | S1      | 18.0        | 20.0 | 18.0 |
| 2    | 13.9     | 15.1 | 15.6 | 14.6 | 29.2    | S1      | 10.0        | 15.0 | 16.0 |
| 3    | 14.1     | 15.5 | 16.6 | 15.1 | 30.3    | S1      | 18.0        | 18.0 | 16.0 |
| 4    | 14.4     | 15.4 | 16.8 | 15.3 | 31.2    | S1      | 12.0        | 18.0 | 14.0 |
| 5    | 15.1     | 15.5 | 16.6 | 15.6 | 31.4    | S1      | 9.0         | 8.0  | 12.0 |
| 6    | 15.0     | 15.6 | 15.6 | 15.3 | 29.3    | S1      | 16.0        | 20.0 | 14.0 |
| 7    | 15.2     | 15.5 | 15.8 | 15.4 | 30.3    | S1      | 16.0        | 12.0 | 13.0 |
| 8    | 15.0     | 16.2 | 15.9 | 15.5 | 29.9    | S1      | 16.0        | 14.0 | 11.0 |
| 9    | 15.4     | 15.7 | 15.8 | 15.6 | 30.9    | S1 J1   | 8.0         | 8.0  | 9.0  |
| 10   | 15.3     | 15.4 | 15.3 | 15.3 | 29.9    | S1      | 14.0        | 18.0 | 13.0 |
| 11   | 14.9     | 14.9 | 14.3 | 14.8 | 29.9    | *       | 24.0        | 26.0 | 18.0 |
| 12   | 14.2     | 15.3 | 15.0 | 14.7 | 29.2    | *       | 18.0        | 26.0 | 20.0 |
| 13   | 14.7     | 15.1 | 15.2 | 14.9 | 29.2    | *       | 8.0         | 24.0 | 14.0 |
| 14   | 15.0     | 15.1 | 15.6 | 15.2 | 27.6    | *       | 8.0         | 28.0 | 16.0 |
| 15   | 15.3     | 15.5 | 15.4 | 15.4 | 27.6    | S1      | 4.5         | 16.0 | 10.0 |
| 16   | 15.6     | 16.1 | 16.3 | 15.9 | 28.8    | *       | 16.0        | 18.0 | 11.0 |
| 17   | 15.9     | 16.7 | 17.0 | 16.4 | 29.2    | *       | 3.0         | 9.0  | 9.5  |
| 18   | 16.1     | 17.1 | 17.4 | 16.7 | 31.0    | S1      | 1.3         | 18.0 | 9.5  |
| 19   | 16.1     | 17.2 | 17.6 | 16.8 | 31.3    | S1      | 6.0         | 12.0 | 10.0 |
| 20   | 16.2     | 16.8 | 18.0 | 16.8 | 31.8    | S1      | 10.0        | 13.0 | 11.0 |
| 21   | 16.4     | 17.3 | 17.4 | 16.9 | 31.6    | S1      | 15.0        | 14.0 | 13.0 |
| 22   | 16.6     | 17.2 | 17.7 | 16.9 | 31.8    | S1      | 11.0        | 15.0 | 18.0 |
| 23   | 16.2     | 16.3 | 15.9 | 16.2 | 30.8    | S1      | 20.0        | 24.0 | 16.0 |
| 24   | 14.0     | 15.4 | 14.4 | 14.5 | 29.7    | S1      | 12.0        | 14.0 | 12.0 |
| 25   | 15.2     | 15.5 | 15.6 | 15.4 | 29.1    | S1      | 8.5         | 9.0  | 8.0  |
| 26   | 15.6     | 16.9 | 17.0 | 16.3 | 26.5    | S1      | 7.0         | 11.0 | 16.0 |
| 27   | 14.8     | 15.9 | 16.2 | 15.4 | 28.0    | S1      | 12.0        | 28.0 | 16.0 |
| 28   | 16.2     | 17.1 | 17.0 | 16.6 | 28.9    | S1      | 8.5         | 18.0 | 13.0 |
| 29   | 16.8     | 17.9 | 18.1 | 17.4 | 29.3    | S1      | 16.0        | 28.0 | 21.0 |
| 30   | 16.4     | 15.4 | 14.9 | 15.8 | 27.4    | S1      | 28.0        | 23.0 | 12.0 |
| 31   | 15.1     | 15.0 | 14.2 | 14.9 | 28.9    | S1      | 12.0        | 21.0 | 28.0 |
| 上旬平均 | 14.7     | 15.5 | 15.9 | 15.2 | 30.0    |         |             |      |      |
| 中旬平均 | 15.4     | 16.0 | 16.2 | 15.8 | 29.5    |         |             |      |      |
| 下旬平均 | 15.8     | 16.4 | 16.2 | 16.0 | 29.3    |         |             |      |      |
| 月平均  | 15.3     | 15.9 | 16.1 | 15.7 | 29.6    |         |             |      |      |

# 南海

二月

| 日期   | 表层水温(°C) |      |      |      | 表层盐度(‰) | 海发光类型和级 | 海面能见度(千米或级) |      |      |
|------|----------|------|------|------|---------|---------|-------------|------|------|
|      | 08       | 14   | 20   | 平均   |         |         | 08          | 14   | 20   |
| 1    | 15.0     | 14.0 | 13.4 | 14.4 | 28.9    | 0       | 28.0        | 35.0 | 30.0 |
| 2    | 14.3     | 15.5 | 14.5 | 14.7 | 30.4    | S1      | 4.5         | 28.0 | 27.0 |
| 3    | 15.0     | 15.3 | 14.9 | 15.1 | 31.3    | S1 J1   | 4.8         | 28.0 | 16.0 |
| 4    | 15.2     | 15.8 | 16.0 | 15.6 | 30.4    | S1      | 20.0        | 26.0 | 26.0 |
| 5    | 15.4     | 16.1 | 16.2 | 15.8 | 30.5    | S1      | 12.0        | 28.0 | 21.0 |
| 6    | 15.5     | 16.0 | 16.2 | 15.8 | 31.6    | *       | 18.0        | 28.0 | 28.0 |
| 7    | 16.2     | 16.5 | 16.8 | 16.4 | 31.8    | *       | 8.0         | 28.0 | 30.0 |
| 8    | 16.6     | 16.9 | 17.0 | 16.8 | 31.9    | S1      | 6.5         | 14.0 | 13.0 |
| 9    | 16.8     | 17.8 | 17.2 | 17.2 | 31.4    | S1      | 18.0        | 18.0 | 16.0 |
| 10   | 17.2     | 17.5 | 18.0 | 17.5 | 31.6    | *       | 8.0         | 20.0 | 16.0 |
| 11   | 17.6     | 17.8 | 18.2 | 17.8 | 31.9    | *       | 12.0        | 31.0 | 14.0 |
| 12   | 18.5     | 18.5 | 19.4 | 18.7 | 31.9    | *       | 5.0         | 25.0 | 18.0 |
| 13   | 18.6     | 19.8 | 19.3 | 19.2 | 31.7    | S1      | 14.0        | 28.0 | 18.0 |
| 14   | 19.2     | 19.7 | 19.7 | 19.5 | 31.7    | S1      | 12.0        | 30.0 | 20.0 |
| 15   | 19.2     | 20.2 | 20.6 | 19.8 | 31.8    | *       | 11.0        | 28.0 | 16.0 |
| 16   | 19.9     | 20.7 | 20.8 | 20.3 | 32.1    | S1      | 8.0         | 32.0 | 20.0 |
| 17   | 20.0     | 21.9 | 21.6 | 20.9 | 32.1    | S2 J1   | 6.0         | 34.0 | 20.0 |
| 18   | 20.8     | 21.3 | 21.4 | 21.1 | 31.7    | S1 J1   | 15.0        | 24.0 | 23.0 |
| 19   | 19.4     | 19.6 | 19.6 | 19.5 | 32.1    | S2 J1   | 16.0        | 18.0 | 23.0 |
| 20   | 17.3     | 18.3 | 18.1 | 17.8 | 31.8    | S2      | 6.0         | 9.0  | 1.6  |
| 21   | 18.0     | 18.0 | 18.0 | 18.0 | 31.9    | S1      | 0.9         | 3.0  | 13.0 |
| 22   | 16.5     | 16.6 | 15.8 | 16.4 | 30.0    | S1      | 22.0        | 30.0 | 14.0 |
| 23   | 15.5     | 15.5 | 15.2 | 15.4 | 28.7    | S1      | 3.5         | 9.0  | 14.0 |
| 24   | 16.0     | 14.7 | 14.7 | 15.4 | 27.8    | S1 J1   | 15.0        | 20.0 | 18.0 |
| 25   | 15.0     | 13.5 | 13.6 | 14.3 | 27.2    | S1      | 15.0        | 18.0 | 8.5  |
| 26   | 15.0     | 13.9 | 14.2 | 14.5 | 27.8    | S1      | 4.0         | 1.0  | 1.0  |
| 27   | 16.1     | 16.7 | 15.7 | 16.2 | 29.6    | S1      | 0.9         | 18.0 | 4.5  |
| 28   | 17.1     | 17.3 | 17.4 | 17.2 | 29.2    | S1 J1   | 4.5         | 13.0 | 18.0 |
| 29   | 16.8     | 15.8 | 16.0 | 16.4 | 27.8    | S1      | 20.0        | 24.0 | 17.0 |
| 30   |          |      |      |      |         |         |             |      |      |
| 31   |          |      |      |      |         |         |             |      |      |
| 上旬平均 | 15.7     | 16.1 | 16.0 | 15.9 | 31.0    |         |             |      |      |
| 中旬平均 | 19.1     | 19.8 | 19.9 | 19.5 | 31.9    |         |             |      |      |
| 下旬平均 | 16.2     | 15.8 | 15.6 | 16.0 | 28.9    |         |             |      |      |
| 月平均  | 17.0     | 17.3 | 17.2 | 17.1 | 30.6    |         |             |      |      |

三月

| 日期   | 表层水温(°C) |      |      |      | 表层盐度(‰) | 海发光类型和级 | 海面能见度(千米或级) |      |      |
|------|----------|------|------|------|---------|---------|-------------|------|------|
|      | 08       | 14   | 20   | 平均   |         |         | 08          | 14   | 20   |
| 1    | 16.1     | 15.1 | 14.3 | 15.4 | 29.3    | S1      | 20.0        | 24.0 | 16.0 |
| 2    | 15.2     | 14.2 | 13.9 | 14.6 | 29.7    | S1      | 20.0        | 26.0 | 13.0 |
| 3    | 14.7     | 14.1 | 14.1 | 14.4 | 30.1    | S1      | 24.0        | 25.0 | 18.0 |
| 4    | 13.8     | 13.2 | 13.3 | 13.5 | 29.5    | S1      | 16.0        | 14.0 | 17.0 |
| 5    | 13.1     | 13.3 | 13.6 | 13.3 | 30.1    | 0       | 15.0        | 18.0 | 18.0 |
| 6    | 13.2     | 15.0 | 15.0 | 14.1 | 30.4    | *       | 10.0        | 16.0 | 15.0 |
| 7    | 14.6     | 14.7 | 15.7 | 14.9 | 30.8    | S1      | 0.1         | 0.3  | 0.4  |
| 8    | 15.4     | 15.8 | 16.2 | 15.7 | 30.4    | *       | 10.0        | 28.0 | 16.0 |
| 9    | 16.3     | 16.8 | 16.6 | 16.5 | 29.1    | *       | 3.0         | 25.0 | 20.0 |
| 10   | 16.9     | 19.6 | 20.6 | 18.5 | 25.1    | *       | 8.0         | 28.0 | 20.0 |
| 11   | 18.8     | 20.5 | 19.0 | 19.3 | 28.7    | *       | 4.5         | 30.0 | 25.0 |
| 12   | 19.3     | 20.1 | 20.0 | 19.7 | 28.6    | S1      | 12.0        | 18.0 | 25.0 |
| 13   | 19.2     | 19.5 | 19.3 | 19.3 | 27.9    | *       | 4.5         | 4.5  | 15.0 |
| 14   | 18.8     | 19.9 | 19.4 | 19.2 | 30.3    | *       | 9.0         | 15.0 | 15.0 |
| 15   | 19.7     | 20.5 | 20.2 | 20.0 | 31.6    | *       | 9.0         | 24.0 | 21.0 |
| 16   | 20.4     | 21.2 | 20.7 | 20.7 | 31.8    | S1      | 8.0         | 28.0 | 20.0 |
| 17   | 20.9     | 22.0 | 21.5 | 21.3 | 31.9    | S1 J1   | 4.5         | 12.0 | 16.0 |
| 18   | 21.2     | 23.1 | 21.6 | 21.8 | 31.8    | S2      | 9.0         | 13.0 | 14.0 |
| 19   | 21.3     | 21.1 | 20.0 | 20.9 | 30.9    | S1      | 28.0        | 24.0 | 16.0 |
| 20   | 16.8     | 18.4 | 17.8 | 17.5 | 30.9    | S1      | 10.0        | 28.0 | 25.0 |
| 21   | 14.7     | 17.1 | 16.8 | 15.8 | 30.1    | S1      | 18.0        | 30.0 | 15.0 |
| 22   | 14.3     | 15.1 | 14.2 | 14.5 | 28.3    | S1      | 7.0         | 10.0 | 13.0 |
| 23   | 13.7     | 13.7 | 14.1 | 13.8 | 25.4    | S1      | 7.0         | 8.0  | 4.0  |
| 24   | 14.2     | 13.6 | 15.3 | 14.3 | 24.6    | S1      | 10.0        | 28.0 | 20.0 |
| 25   | 15.1     | 15.3 | 15.7 | 15.3 | 28.9    | S1      | 3.8         | 5.0  | 4.0  |
| 26   | 16.4     | 16.2 | 16.1 | 16.3 | 28.7    | S2      | 0.1         | 10.0 | 6.5  |
| 27   | 16.3     | 17.5 | 17.0 | 16.8 | 27.1    | S2      | 0.3         | 8.0  | 0.2  |
| 28   | 17.2     | 19.0 | 17.9 | 17.8 | 28.8    | S1      | 0.1         | 28.0 | 6.0  |
| 29   | 17.8     | 19.2 | 18.8 | 18.4 | 30.5    | S1      | 8.0         | 26.0 | 10.0 |
| 30   | 19.9     | 19.4 | 18.9 | 19.5 | 31.6    | S1      | 5.0         | 30.0 | 25.0 |
| 31   | 18.8     | 18.7 | 18.5 | 18.7 | 30.5    | S2      | 20.0        | 5.0  | 9.0  |
| 上旬平均 | 14.9     | 15.2 | 15.3 | 15.1 | 29.5    |         |             |      |      |
| 中旬平均 | 19.6     | 20.6 | 20.0 | 20.0 | 30.4    |         |             |      |      |
| 下旬平均 | 16.2     | 16.8 | 16.7 | 16.5 | 28.6    |         |             |      |      |
| 月平均  | 16.9     | 17.5 | 17.3 | 17.2 | 29.5    |         |             |      |      |

四月

| 日期   | 表层水温(℃) |      |      |      | 表层盐度(‰) | 海发光类型和级 | 海面能见度(千米或级) |      |      |
|------|---------|------|------|------|---------|---------|-------------|------|------|
|      | 08      | 14   | 20   | 平均   |         |         | 08          | 14   | 20   |
| 1    | 17.6    | 17.6 | 17.6 | 17.6 | 29.7    | S1      | 13.0        | 3.0  | 11.0 |
| 2    | 17.5    | 18.0 | 18.0 | 17.8 | 31.2    | S2      | 4.0         | 10.0 | 10.0 |
| 3    | 17.6    | 17.6 | 17.5 | 17.6 | 29.2    | S1      | 5.0         | 3.0  | 4.0  |
| 4    | 16.5    | 16.6 | 17.0 | 16.7 | 25.8    | S1      | 8.0         | 5.0  | 11.0 |
| 5    | 16.2    | 17.1 | 17.0 | 16.6 | 28.0    | S1      | 4.5         | 10.0 | 21.0 |
| 6    | 16.6    | 17.1 | 18.0 | 17.1 | 26.3    | S1      | 25.0        | 40.0 | 38.0 |
| 7    | 17.5    | 18.6 | 18.7 | 18.1 | 29.3    | S1      | 5.0         | 28.0 | 26.0 |
| 8    | 18.9    | 19.1 | 19.7 | 19.2 | 31.6    | 0       | 6.0         | 12.0 | 15.0 |
| 9    | 19.4    | 19.8 | 19.5 | 19.5 | 30.5    | S1      | 6.0         | 38.0 | 38.0 |
| 10   | 19.6    | 20.8 | 20.0 | 20.0 | 28.6    | S1      | 10.0        | 24.0 | 21.0 |
| 11   | 18.8    | 20.0 | 20.0 | 19.4 | 28.4    | *       | 2.0         | 40.0 | 28.0 |
| 12   | 20.0    | 21.5 | 21.0 | 20.6 | 29.5    | *       | 14.0        | 20.0 | 34.0 |
| 13   | 20.6    | 20.4 | 20.3 | 20.5 | 24.0    | *       | 38.0        | 40.0 | 38.0 |
| 14   | 20.1    | 20.1 | 20.3 | 20.2 | 25.8    | S1      | 30.0        | 40.0 | 40.0 |
| 15   | 20.0    | 20.1 | 20.2 | 20.1 | 30.9    | S1      | 7.0         | 12.0 | 11.0 |
| 16   | 20.3    | 22.7 | 20.5 | 21.0 | 29.6    | S1      | 6.0         | 30.0 | 20.0 |
| 17   | 21.9    | 25.0 | 22.3 | 22.8 | 25.7    | S1      | 3.0         | 12.0 | 16.0 |
| 18   | 23.9    | 22.6 | 21.1 | 22.9 | 29.5    | S1      | 5.0         | 9.0  | 20.0 |
| 19   | 23.4    | 22.0 | 21.9 | 22.7 | 30.9    | S2      | 7.0         | 23.0 | 18.0 |
| 20   | 23.5    | 22.3 | 22.3 | 22.9 | 30.9    | S2      | 12.0        | 30.0 | 8.0  |
| 21   | 22.4    | 23.0 | 22.7 | 22.6 | 30.8    | S1      | 12.0        | 20.0 | 17.0 |
| 22   | 22.9    | 24.7 | 25.4 | 24.0 | 30.4    | S1      | 10.0        | 30.0 | 10.0 |
| 23   | 23.9    | 23.1 | 22.0 | 23.2 | 24.5    | 0       | 8.0         | 9.0  | 5.0  |
| 24   | 21.1    | 20.5 | 22.1 | 21.2 | 23.0    | 0       | 35.0        | 30.0 | 10.0 |
| 25   | 21.1    | 21.8 | 22.0 | 21.5 | 25.4    | 0       | 10.0        | 15.0 | 10.0 |
| 26   | 21.6    | 22.3 | 21.8 | 21.8 | 30.4    | S1      | 5.0         | 24.0 | 15.0 |
| 27   | 22.0    | 22.6 | 22.4 | 22.3 | 30.6    | S1      | 3.0         | 38.0 | 10.0 |
| 28   | 22.7    | 23.5 | 23.0 | 23.0 | 30.9    | S1      | 7.0         | 32.0 | 10.0 |
| 29   | 23.4    | 25.5 | 23.6 | 24.0 | 30.6    | 0       | 8.0         | 30.0 | 10.0 |
| 30   | 24.9    | 27.3 | 27.3 | 26.1 | 27.0    | *       | 10.0        | 48.0 | 8.0  |
| 31   |         |      |      |      |         |         |             |      |      |
| 上旬平均 | 17.7    | 18.2 | 18.3 | 18.0 | 29.0    |         |             |      |      |
| 中旬平均 | 21.3    | 21.7 | 21.0 | 21.3 | 28.5    |         |             |      |      |
| 下旬平均 | 22.6    | 23.4 | 23.2 | 23.0 | 28.4    |         |             |      |      |
| 月平均  | 20.5    | 21.1 | 20.8 | 20.8 | 28.6    |         |             |      |      |