

内部

1 9 6 1

# 海洋站观测资料

第 二 册

国家海洋局

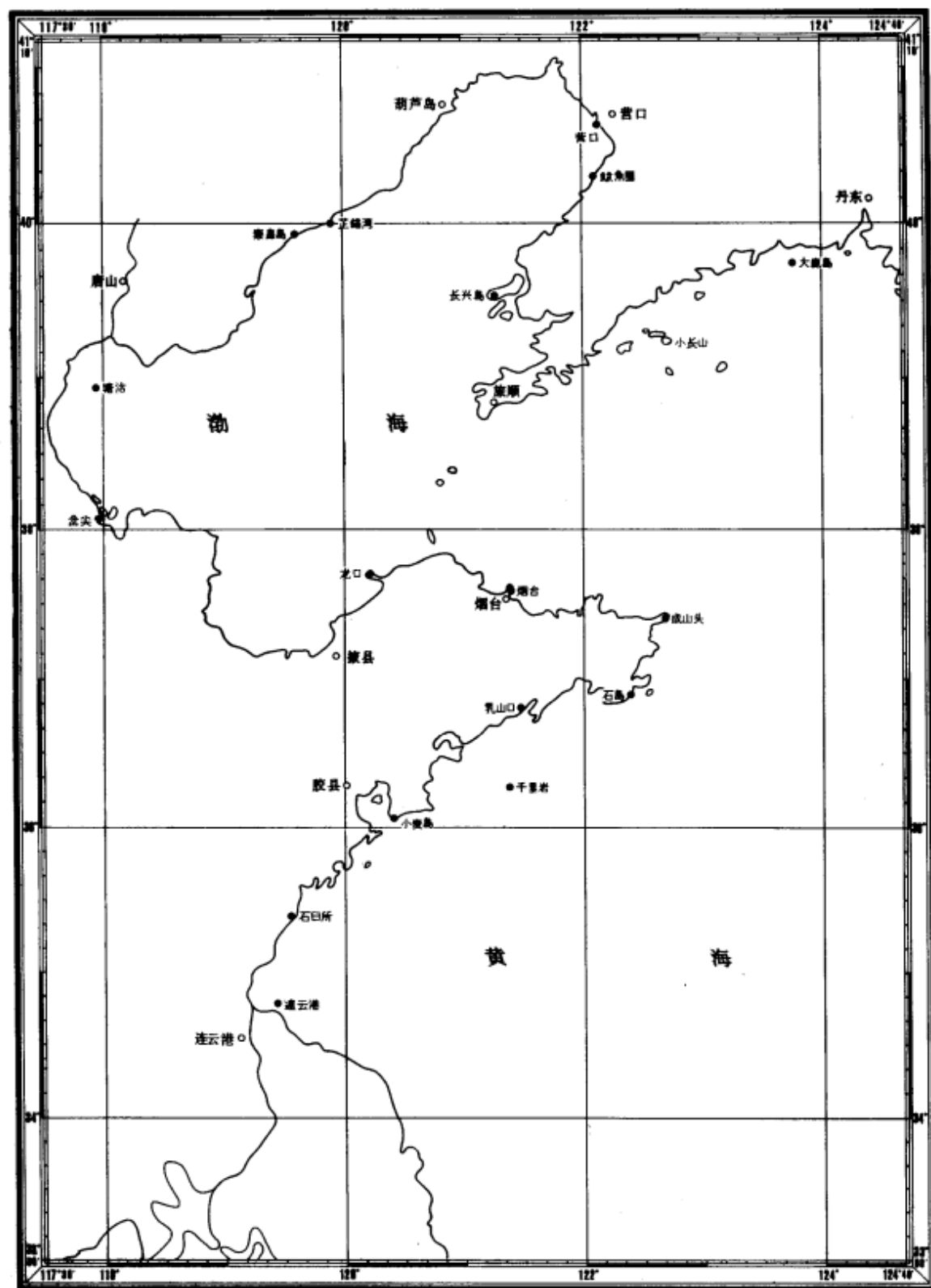
## 前 言

根据各单位的要求，我们编制了《海洋站观测资料》，供有关部门使用。

本资料是根据我局所属海洋站自一九六〇年后观测资料进行整编的。一九七四年以前，水位观测资料按站累年整编出版，其它资料按年逐站整编出版，每年分四册：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，第四册为某些特定站观测资料。一九七五年以后的资料一至四册与一九七四年以前相同，水位观测资料改为逐年整编，列第五册。台湾省资料暂缺。资料密级：一、二、三册为内部资料，四、五册及各站累年水位资料为秘密资料。

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<br>海拔高度<br>(米) | 水银气压表<br>海拔高度<br>(米) | 波浪<br>观测方法 |
|-----|-------------------------------|---------|---------|---------|----------------------|----------------------|------------|
|     | 北                             | 东       | 北       | 东       |                      |                      |            |
| 连云港 | 34°45'                        | 119°26' |         |         |                      |                      | 目测         |
| 白石所 | 35°23'                        | 119°32' | 35°23'  | 119°32' | 13.8                 | /                    | 目测         |
| 小麦岛 | 36°03'                        | 120°25' | 36°03'  | 120°25' | 30.0                 | 19.6                 | 岸用测波仪      |
| 千里岩 | 36°16'                        | 121°23' | 36°16'  | 121°23' | 70.5                 | 68.1                 | 目测         |
| 乳山口 | 36°48'                        | 121°29' | 36°47'  | 121°28' | /                    | /                    |            |
| 石岛  | 36°53'                        | 122°24' | 36°53'  | 122°24' | 24.5                 | 26.0                 | 目测         |
| 成山头 | 37°33'                        | 122°42' | 37°23'  | 122°42' | 46.1                 | 47.3                 | 目测         |
| 烟台  | 37°33'                        | 121°23' | 37°32'  | 121°24' | 46.7                 | 44.7                 |            |
| 龙口  | (1-6月)37°37'<br>(7-12月)37°39' | 120°19' | 37°37'  | 120°19' | 3.5                  | 4.5                  | 岸用测波仪      |
| 尖岔  | 38°06'                        | 117°59' | 38°06'  | 117°59' | 4.2                  | /                    |            |
| 沽口  | 38°57'                        | 117°56' | 38°59'  | 117°43' | 5.6                  | 6.6                  | 目测         |
| 秦皇岛 | 39°55'                        | 119°37' | 39°55'  | 119°37' | 13.4                 | 6.2                  | 目测         |
| 芷锚湾 | 40°01'                        | 119°55' | 40°01'  | 119°55' | 17.8                 | 19.8                 |            |
| 营口  | 40°38'                        | 122°09' |         |         |                      |                      |            |
| 鲅鱼圈 | 40°18'                        | 122°06' |         |         |                      |                      |            |
| 长兴岛 | 39°31'                        | 121°17' |         |         |                      |                      |            |
| 小长山 | 39°14'                        | 122°40' |         |         |                      |                      |            |
| 大鹿岛 | 39°44'                        | 123°45' | 39°48'  | 123°44' | /                    | /                    |            |

## 资 料 说 明

一、本资料为北海分局所属海洋站一九六一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：主要参阅中央气象局当时的“海滨水文观测暂行规范”和“地面气象观测规范”。

1.资料中的小数点整编时均省略。能见度、海况、相对湿度及其统计值为整数；风速、云量（包括日合计）为整数，其统计值为一位小数；表层盐度及统计值均为二位小数；除以上所述外，其他资料均为一位小数。

2.表层盐度均为每日14时的观测值。

3.凡记录有疑问、供参考者，在该记录外加括号，统计结果不加括号。

4.表头中的“海面能见度”为海面有效能见度。“有效能见度”为地面气象观测中的水平有效能见度。

5.秦皇岛海洋站蒸发量出现“B”的月份，按大型蒸发皿的统计方法统计。

6.成山头海洋站，当出现北风、偏北风，海况又较大时，由于环境影响，测波处海面混乱，不易观测，故风浪波高作为“0.0”处理。

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.表头中,湿度栏“度”字右上方有“\*”者,表示湿度未经气压订正。

2.云量<sup>10</sup>以“10′”表示。

3.凡出现的天气现象用“+”表示。

4.海发光栏中有“\*”者,表示为灯或月。

一九七九年十月

# 目 录

海洋站分布图

海洋站一览表

资料说明

## 水 文 月 报 资 料

|          |    |
|----------|----|
| 厦 门..... | 1  |
| 平 海..... | 4  |
| 平 潭..... | 12 |
| 三 沙..... | 15 |
| 南 麂..... | 18 |
| 洞 头..... | 30 |
| 坎 门..... | 33 |
| 大 陈..... | 36 |
| 沈家门..... | 48 |
| 嵎 山..... | 51 |
| 金山咀..... | 63 |
| 引水船..... | 66 |
| 吕 四..... | 78 |

## 气 象 月 报 资 料

|          |     |
|----------|-----|
| 南 麂..... | 89  |
| 洞 头..... | 101 |
| 沈家门..... | 113 |

|          |     |
|----------|-----|
| 嵎 山..... | 125 |
| 金山咀..... | 137 |
| 引水船..... | 149 |
| 吕 四..... | 161 |

## 厦 门

一 月

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 147      | 148 | 145 | 147 | 2898            | *             | 8               | 9  | 8  |
| 2      | 144      | 146 | 146 | 145 | 2821            | *             | 7               | 9  | 8  |
| 3      | 145      | 146 | 146 | 146 | 2761            | *             | 6               | 7  | 7  |
| 4      | 144      | 143 | 142 | 143 | 2803            | S1            | 7               | 8  | 6  |
| 5      | 142      | 144 | 142 | 143 | 2812            | S1            | 8               | 8  | 7  |
| 6      | 140      | 143 | 139 | 141 | 2803            | S1            | 9               | 9  | 7  |
| 7      | 139      | 140 | 139 | 139 | 2785            | 0             | 9               | 9  | 8  |
| 8      | 138      | 141 | 140 | 139 | 2777            | S1            | 8               | 8  | 6  |
| 9      | 140      | 140 | 140 | 140 | 2768            | S1            | 6               | 5  | 5  |
| 10     | 140      | 144 | 144 | 142 | 2803            | S1            | 6               | 8  | 6  |
| 11     | 140      | 139 | 138 | 139 | 2812            | S1            | 9               | 9  | 7  |
| 12     | 133      | 142 | 134 | 136 | 2824            | S1            | 8               | 9  | 8  |
| 13     | 131      | 141 | 133 | 134 | 2794            | S1            | 8               | 9  | 7  |
| 14     | 128      | 138 | 129 | 131 | 2785            | S1            | 7               | 8  | 7  |
| 15     | 126      | 131 | 126 | 127 | 2803            | S1            | 8               | 9  | 7  |
| 16     | 126      | 129 | 127 | 127 | 2772            | S1            | 7               | 8  | 7  |
| 17     | 122      | 126 | 122 | 123 | 2819            | S1            | 7               | 8  | 7  |
| 18     | 121      | 122 | 117 | 120 | 2741            | S1            | 7               | 6  | 7  |
| 19     | 118      | 119 | 116 | 118 | 2826            | S1            | 8               | 9  | 7  |
| 20     | 117      | 120 | 119 | 118 | 2824            | S1            | 7               | 8  | 7  |
| 21     | 118      | 121 | 121 | 120 | 2846            | *             | 7               | 9  | 8  |
| 22     | 119      | 136 | 124 | 125 | 2779            | *             | 7               | 8  | 8  |
| 23     | 122      | 124 | 124 | 123 | 2866            | *             | 6               | 6  | 7  |
| 24     | 124      | 129 | 128 | 126 | 2871            | *             | 5               | 5  | 7  |
| 25     | 127      | 136 | 131 | 130 | 2803            | *             | 6               | 7  | 7  |
| 26     | 125      | 140 | 128 | 130 | 2889            | *             | 7               | 9  | 9  |
| 27     | 126      | 139 | 135 | 132 | 2902            | *             | 7               | 8  | 9  |
| 28     | 129      | 136 | 134 | 132 | 2896            | *             | 7               | 8  | 9  |
| 29     | 132      | 136 | 134 | 134 | 2859            | *             | 7               | 8  | 8  |
| 30     | 133      | 134 | 132 | 133 | 2882            | *             | 8               | 8  | 7  |
| 31     | 132      | 133 | 131 | 132 | 2884            | (0)           | 8               | 8  | 7  |
| 上旬平均   | 142      | 144 | 142 | 143 | 2803            |               |                 |    |    |
| 中旬平均   | 126      | 131 | 126 | 127 | 2800            |               |                 |    |    |
| 下旬平均   | 126      | 133 | 129 | 129 | 2862            |               |                 |    |    |
| 月平均    | 131      | 136 | 132 | 133 | 2823            |               |                 |    |    |

二 月

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 130      | 132 | 127 | 130 | 2855            | *             | 8               | 8  | 9  |
| 2      | 127      | 132 | 124 | 128 | 2808            | S1            | 7               | 8  | 8  |
| 3      | 126      | 130 | 126 | 127 | 2859            | S1            | 7               | 9  | 8  |
| 4      | 127      | 134 | 129 | 129 | 2819            | S1            | 8               | 8  | 7  |
| 5      | 128      | 130 | 130 | 129 | 2842            | S1            | -               | 5  | 5  |
| 6      | 130      | 137 | 134 | 133 | 2840            | S1            | -               | 8  | 7  |
| 7      | 132      | 132 | 132 | 132 | 2886            | S1            | 8               | 8  | 6  |
| 8      | 130      | 132 | 131 | 131 | 2855            | S1            | 7               | 8  | 6  |
| 9      | 130      | 132 | 132 | 131 | 2886            | S1            | 7               | 8  | 7  |
| 10     | 130      | 135 | 132 | 132 | 2896            | S1            | 6               | 8  | 6  |
| 11     | 131      | 138 | 137 | 134 | 2884            | S1            | 5               | 7  | 6  |
| 12     | 132      | 138 | 132 | 134 | 2891            | S1            | 8               | 8  | 6  |
| 13     | 133      | 136 | 134 | 134 | 2864            | S1            | 8               | 7  | 6  |
| 14     | 134      | 135 | 132 | 134 | 2887            | S1            | 8               | 9  | 6  |
| 15     | 132      | 131 | 130 | 131 | 2898            | S1            | 5               | 8  | 7  |
| 16     | 130      | 129 | 128 | 129 | 2868            | S1            | 9               | 9  | 7  |
| 17     | 128      | 130 | 128 | 129 | 2853            | S1            | 9               | 9  | 6  |
| 18     | 127      | 128 | 128 | 128 | 2868            | S1            | 6               | 7  | 6  |
| 19     | 127      | 128 | 129 | 128 | 2855            | S1            | 8               | 9  | 7  |
| 20     | 129      | 132 | 132 | 131 | 2849            | S1            | 6               | 8  | 7  |
| 21     | 132      | 133 | 132 | 132 | 2859            | S1            | 8               | 9  | 7  |
| 22     | 130      | 130 | 130 | 130 | 2923            | *             | 6               | 6  | 7  |
| 23     | 130      | 131 | 131 | 131 | 2895            | *             | 8               | 8  | 7  |
| 24     | 128      | 132 | 130 | 130 | 2752            | S1            | 8               | 8  | 8  |
| 25     | 126      | 147 | 130 | 132 | 2720            | *             | 9               | 9  | 8  |
| 26     | 128      | 136 | 130 | 131 | 2745            | *             | 9               | 9  | 9  |
| 27     | 128      | 132 | 136 | 131 | 2711            | *             | 8               | 9  | 8  |
| 28     | 131      | 132 | 132 | 132 | 2810            | *             | 7               | 8  | 9  |
| 29     |          |     |     |     |                 |               |                 |    |    |
| 30     |          |     |     |     |                 |               |                 |    |    |
| 31     |          |     |     |     |                 |               |                 |    |    |
| 上旬平均   | 129      | 133 | 130 | 130 | 2855            |               |                 |    |    |
| 中旬平均   | 130      | 133 | 131 | 131 | 2872            |               |                 |    |    |
| 下旬平均   | 129      | 134 | 131 | 131 | 2802            |               |                 |    |    |
| 月平均    | 130      | 133 | 131 | 131 | 2846            |               |                 |    |    |

三 月

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 130      | 136 | 133 | 132 | 2819            | *             | 7               | 8  | 8  |
| 2      | 132      | 140 | 136 | 135 | 2803            | *             | 5               | 8  | 9  |
| 3      | 137      | 145 | 141 | 140 | 2783            | S1            | 7               | 8  | 8  |
| 4      | 142      | 147 | 144 | 144 | 2871            | S1            | 7               | 7  | 7  |
| 5      | 145      | 148 | 146 | 146 | 2835            | S1            | 9               | 8  | 7  |
| 6      | 146      | 148 | 147 | 147 | 2830            | 0             | 8               | 9  | 6  |
| 7      | 145      | 145 | 144 | 145 | 2819            | S1            | 8               | 8  | 7  |
| 8      | 146      | 144 | 142 | 145 | 2828            | S1            | 9               | 8  | 6  |
| 9      | 140      | 142 | 140 | 141 | 2891            | S1            | 8               | 8  | 7  |
| 10     | 138      | 138 | 136 | 138 | 2900            | S1            | 8               | 8  | 5  |
| 11     | 138      | 138 | 137 | 138 | 2877            | S1            | 8               | 8  | 6  |
| 12     | 136      | 142 | 142 | 139 | 2859            | S1            | 8               | 9  | 6  |
| 13     | 138      | 150 | 148 | 144 | 2828            | S1            | 8               | 8  | 7  |
| 14     | 144      | 143 | 142 | 143 | 2725            | S1            | 7               | 8  | 7  |
| 15     | 144      | 146 | 145 | 145 | 2691            | S1            | 8               | 8  | 6  |
| 16     | 146      | 143 | 142 | 144 | 2738            | S1            | 8               | 7  | 6  |
| 17     | 142      | 146 | 146 | 144 | 2662            | S1            | 7               | 8  | 7  |
| 18     | 147      | 152 | 149 | 149 | 2624            | 0             | 7               | 8  | 6  |
| 19     | 150      | 154 | 154 | 152 | 2752            | S1            | 6               | 8  | 7  |
| 20     | 153      | 153 | 153 | 153 | 2718            | S1            | 7               | 8  | 6  |
| 21     | 153      | 154 | 152 | 153 | 2707            | 0             | 6               | 6  | 6  |
| 22     | 151      | 152 | 152 | 152 | 2777            | S1            | 8               | 8  | 7  |
| 23     | 151      | 150 | 148 | 150 | 2777            | 0             | 8               | 5  | 6  |
| 24     | 149      | 148 | 148 | 149 | 2817            | *             | 8               | 6  | 7  |
| 25     | 146      | 149 | 148 | 147 | 2718            | S1            | 8               | 8  | 7  |
| 26     | 148      | 154 | 154 | 151 | 1200            | *             | 8               | 8  | 8  |
| 27     | 149      | 168 | 156 | 156 | 1824            | *             | 6               | 9  | 8  |
| 28     | 150      | 159 | 158 | 154 | 2209            | *             | 8               | 9  | 9  |
| 29     | 152      | 156 | 160 | 155 | 2519            | *             | 8               | 9  | 8  |
| 30     | 151      | 151 | 155 | 152 | 2716            | *             | 7               | 8  | 8  |
| 31     | 150      | 156 | 152 | 152 | 2664            | *             | 7               | 8  | 8  |
| 上旬平均   | 140      | 143 | 141 | 141 | 2838            |               |                 |    |    |
| 中旬平均   | 144      | 147 | 146 | 145 | 2747            |               |                 |    |    |
| 下旬平均   | 150      | 154 | 153 | 152 | 2448            |               |                 |    |    |
| 月平均    | 145      | 148 | 147 | 146 | 2670            |               |                 |    |    |

四 月

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 152      | 155 | 155 | 154 | 2694            | S1            | 7               | 8  | 8  |
| 2      | 156      | 162 | 159 | 158 | 2660            | *             | 6               | 7  | 7  |
| 3      | 161      | 166 | 162 | 163 | 2624            | S1            | 6               | 7  | 8  |
| 4      | 165      | 174 | 170 | 169 | 2714            | 0             | 6               | 8  | 7  |
| 5      | 168      | 172 | 171 | 170 | 2730            | S1            | 5               | 8  | 6  |
| 6      | 169      | 171 | 168 | 169 | 2759            | S1            | 8               | 7  | 6  |
| 7      | 170      | 174 | 173 | 172 | 2770            | S1            | 7               | 7  | 6  |
| 8      | 172      | 186 | 174 | 176 | 2655            | S1            | 6               | 8  | 6  |
| 9      | 172      | 174 | 172 | 173 | 2806            | S1            | 7               | 8  | 6  |
| 10     | 170      | 178 | 174 | 173 | 2788            | S1            | 7               | 8  | 6  |
| 11     | 171      | 176 | 173 | 173 | 2774            | S1            | 6               | 8  | 6  |
| 12     | 172      | 178 | 175 | 174 | 2797            | S1            | 6               | 7  | 6  |
| 13     | 178      | 173 | 173 | 176 | 2819            | S1            | 6               | 5  | 5  |
| 14     | 173      | 176 | 176 | 175 | 2848            | S1            | 9               | 9  | 6  |
| 15     | 177      | 180 | 176 | 178 | 2851            | S1            | 8               | 8  | 6  |
| 16     | 179      | 186 | 181 | 181 | 2904            | S1            | 8               | 8  | 6  |
| 17     | 178      | 187 | 183 | 182 | 2617            | S1            | 6               | 8  | 6  |
| 18     | 180      | 182 | 180 | 181 | 2694            | S1            | 7               | 7  | 6  |
| 19     | 179      | 180 | 179 | 179 | 2716            | S1            | 7               | 5  | 6  |
| 20     | 179      | 179 | 179 | 179 | 2739            | 0             | 6               | 6  | 5  |
| 21     | 179      | 188 | 180 | 182 | 2117            | S1            | 5               | 6  | 8  |
| 22     | 179      | 214 | 198 | 193 | 1646            | S1            | 7               | 9  | 8  |
| 23     | 188      | 212 | 203 | 198 | 1999            | S1            | 8               | 9  | 8  |
| 24     | 198      | 203 | 201 | 200 | 1579            | S1            | 6               | 6  | 6  |
| 25     | 190      | 195 | 198 | 193 | 2223            | S1            | 8               | 7  | 8  |
| 26     | 197      | 186 | 190 | 193 | 2469            | S1            | 6               | 8  | 8  |
| 27     | 190      | 193 | 196 | 192 | 2470            | *             | 8               | 8  | 9  |
| 28     | 190      | 193 | 201 | 194 | 2624            | *             | 8               | 9  | 8  |
| 29     | 188      | 169 | 196 | 190 | 2691            | *             | 7               | 9  | 9  |
| 30     | 190      | 190 | 196 | 192 | 2711            | *             | 9               | 9  | 9  |
| 31     |          |     |     |     |                 |               |                 |    |    |
| 上旬平均   | 166      | 171 | 168 | 168 | 2722            |               |                 |    |    |
| 中旬平均   | 177      | 180 | 178 | 178 | 2776            |               |                 |    |    |
| 下旬平均   | 189      | 196 | 196 | 193 | 2253            |               |                 |    |    |
| 月平均    | 177      | 182 | 180 | 179 | 2584            |               |                 |    |    |

## 厦 门

五 月

六 月

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 190      | 194 | 196 | 193 | 2664            | *             | 8               | 9  | 9  |
| 2    | 200      | 200 | 202 | 201 | 2651            | S1            | 7               | 9  | 8  |
| 3    | 200      | 210 | 204 | 204 | 2656            | S1            | 7               | 9  | 6  |
| 4    | 202      | 210 | 205 | 205 | 2714            | S1            | 7               | 9  | 7  |
| 5    | 202      | 208 | 203 | 204 | 2701            | S2            | 7               | 9  | 7  |
| 6    | 202      | 203 | 202 | 202 | 2732            | S1            | 7               | 8  | 7  |
| 7    | 202      | 210 | 204 | 205 | 2700            | S1            | 6               | 9  | 6  |
| 8    | 205      | 213 | 210 | 208 | 2830            | S1            | 7               | 9  | 7  |
| 9    | 210      | 225 | 218 | 216 | 2842            | S1            | 7               | 7  | 6  |
| 10   | 214      | 226 | 220 | 219 | 2868            | S1            | 8               | 9  | 8  |
| 11   | 214      | 227 | 226 | 220 | 2875            | S1            | 7               | 9  | 6  |
| 12   | 220      | 219 | 219 | 220 | 2891            | S1            | 8               | 9  | 6  |
| 13   | 218      | 219 | 224 | 220 | 2907            | S1            | 8               | 8  | 6  |
| 14   | 218      | 222 | 227 | 221 | 2895            | S1            | 7               | 9  | 7  |
| 15   | 223      | 226 | 229 | 225 | 2815            | S1            | 7               | 9  | 7  |
| 16   | 228      | 231 | 231 | 230 | 2893            | S1            | 8               | 9  | 6  |
| 17   | 228      | 233 | 232 | 230 | 2891            | S1            | 8               | 9  | 6  |
| 18   | 231      | 236 | 234 | 233 | 2866            | S1            | 8               | 9  | 7  |
| 19   | 234      | 241 | 236 | 236 | 2868            | S1            | 8               | 8  | 7  |
| 20   | 238      | 245 | 245 | 242 | 2618            | S1            | 5               | 8  | 8  |
| 21   | 244      | 248 | 238 | 244 | 507             | 0             | 6               | 7  | 6  |
| 22   | 236      | 236 | 232 | 235 | 770             | 0             | 9               | 9  | 5  |
| 23   | 228      | 229 | 228 | 228 | 1091            | 0             | 7               | 5  | 5  |
| 24   | 219      | 218 | 214 | 218 | 1129            | 0             | 7               | 6  | 6  |
| 25   | 215      | 241 | 237 | 227 | 1539            | *             | 7               | 9  | 8  |
| 26   | 229      | 244 | 239 | 235 | 2306            | *             | 8               | 9  | 9  |
| 27   | 234      | 236 | 242 | 237 | 2579            | *             | 9               | 9  | 9  |
| 28   | 237      | 242 | 249 | 241 | 2790            | S1            | 9               | 9  | 9  |
| 29   | 239      | 239 | 240 | 239 | 2844            | S1            | 8               | 9  | 6  |
| 30   | 244      | 240 | 251 | 245 | 2761            | *             | 9               | 9  | 9  |
| 31   | 242      | 244 | 252 | 245 | 2638            | S1            | 9               | 9  | 6  |
| 上旬平均 | 203      | 210 | 206 | 206 | 2736            |               |                 |    |    |
| 中旬平均 | 225      | 230 | 230 | 228 | 2852            |               |                 |    |    |
| 下旬平均 | 233      | 238 | 238 | 236 | 1905            |               |                 |    |    |
| 月平均  | 221      | 226 | 225 | 223 | 2478            |               |                 |    |    |

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 240      | 246 | 248 | 244 | 2568            | S1            | 7               | 8  | 7  |
| 2    | 245      | 251 | 246 | 247 | 2010            | S1            | 8               | 8  | 5  |
| 3    | 244      | 252 | 247 | 247 | 2171            | S1            | 8               | 9  | 6  |
| 4    | 242      | 238 | 242 | 241 | 0774            | S1            | 6               | 7  | 6  |
| 5    | 242      | 249 | 246 | 245 | 1153            | S1            | 9               | 9  | 8  |
| 6    | 246      | 266 | 249 | 252 | 1635            | S1            | 8               | 9  | 8  |
| 7    | 250      | 258 | 261 | 255 | 2420            | S1            | 8               | 9  | 7  |
| 8    | 255      | 274 | 263 | 262 | 2626            | S1            | 7               | 9  | 8  |
| 9    | 247      | 262 | 271 | 257 | 2678            | S1            | 9               | 9  | 8  |
| 10   | 249      | 261 | 270 | 257 | 2761            | S1            | 9               | 9  | 8  |
| 11   | 254      | 262 | 270 | 260 | 2821            | S1            | 9               | 9  | 8  |
| 12   | 261      | 260 | 270 | 263 | 2920            | S1            | 9               | 9  | 8  |
| 13   | 263      | 260 | 271 | 264 | 2970            | S1            | 8               | 9  | 8  |
| 14   | 267      | 266 | 273 | 268 | 2934            | S1            | 9               | 9  | 9  |
| 15   | 268      | 272 | 274 | 271 | 2918            | S1            | 9               | 9  | 8  |
| 16   | 270      | 280 | 274 | 274 | 2940            | S1            | 8               | 9  | 8  |
| 17   | 273      | 276 | 275 | 274 | 3091            | S1            | 8               | 9  | 7  |
| 18   | 275      | 286 | 278 | 279 | 2898            | S1            | 7               | 9  | 8  |
| 19   | 277      | 292 | 279 | 281 | 2756            | *             | 8               | 9  | 9  |
| 20   | 278      | 302 | 280 | 285 | 2550            | S1            | 8               | 9  | 9  |
| 21   | 277      | 287 | 282 | 281 | 3055            | *             | 9               | 9  | 9  |
| 22   | 280      | 298 | 290 | 287 | 3046            | S1            | 9               | 9  | 9  |
| 23   | 284      | 292 | 288 | 287 | 3062            | S1            | 9               | 9  | 8  |
| 24   | 284      | 299 | 294 | 290 | 3046            | *             | 9               | 9  | 9  |
| 25   | 284      | 300 | 294 | 291 | 2812            | S1            | 9               | 9  | 9  |
| 26   | 286      | 297 | 295 | 291 | 3048            | S1            | 9               | 9  | 9  |
| 27   | 289      | 294 | 298 | 293 | 3046            | S1            | 9               | 9  | 9  |
| 28   | 290      | 292 | 298 | 293 | 3057            | *             | 9               | 9  | 9  |
| 29   | 293      | 297 | 296 | 295 | 2996            | S1            | 9               | 9  | 8  |
| 30   | 294      | 303 | 298 | 297 | 2916            | S1            | 7               | 9  | 7  |
| 上旬平均 | 246      | 256 | 254 | 251 | 2080            |               |                 |    |    |
| 中旬平均 | 269      | 276 | 274 | 272 | 2880            |               |                 |    |    |
| 下旬平均 | 286      | 296 | 293 | 291 | 3008            |               |                 |    |    |
| 月平均  | 267      | 276 | 274 | 271 | 2656            |               |                 |    |    |

七 月

八 月

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 296      | 298 | 294 | 296 | 3013            | 0             | 9               | 7  | 5  |
| 2    | 289      | 292 | 289 | 290 | 2949            | S1            | 6               | 6  | 6  |
| 3    | 288      | 299 | 292 | 292 | 2660            | S1            | 8               | 8  | 8  |
| 4    | 291      | 303 | 292 | 294 | 2151            | S1            | 8               | 9  | 8  |
| 5    | 289      | 302 | 292 | 293 | 2647            | S1            | 9               | 9  | 9  |
| 6    | 290      | 306 | 294 | 295 | 2979            | S1            | 9               | 9  | 8  |
| 7    | 299      | 313 | 302 | 303 | 3079            | S1            | 9               | 9  | 8  |
| 8    | 290      | 308 | 296 | 296 | 3104            | S1            | 8               | 9  | 8  |
| 9    | 289      | 296 | 292 | 292 | 3124            | S1            | 9               | 9  | 8  |
| 10   | 288      | 292 | 294 | 291 | 3135            | S1            | 9               | 9  | 7  |
| 11   | 288      | 289 | 294 | 290 | 3151            | S1            | 8               | 9  | 8  |
| 12   | 287      | 290 | 296 | 290 | 3106            | S1            | 8               | 9  | 7  |
| 13   | 287      | 290 | 295 | 290 | 3053            | S1            | 8               | 9  | 7  |
| 14   | 285      | 290 | 286 | 287 | 3037            | S1            | 9               | 9  | 7  |
| 15   | 282      | 279 | 275 | 280 | 3072            | S1            | 8               | 2  | 6  |
| 16   | 278      | 284 | 279 | 280 | 2424            | 0             | 7               | 9  | 7  |
| 17   | 278      | 278 | 278 | 278 | 1525            | *             | 7               | 9  | 8  |
| 18   | 276      | 282 | 277 | 278 | 1895            | S1            | 8               | 9  | 8  |
| 19   | 276      | 285 | 280 | 279 | 1496            | *             | 8               | 8  | 8  |
| 20   | 278      | 296 | 283 | 284 | 1415            | S1            | 9               | 9  | 8  |
| 21   | 280      | 301 | 287 | 287 | 2063            | S1            | 8               | 9  | 9  |
| 22   | 284      | 304 | 300 | 293 | 2747            | *             | 9               | 9  | 9  |
| 23   | 286      | 314 | 300 | 297 | 2882            | S1            | 8               | 9  | 9  |
| 24   | 289      | 310 | 296 | 296 | 2967            | *             | 8               | 9  | 9  |
| 25   | 286      | 293 | 291 | 289 | 3023            | S1            | 7               | 9  | 9  |
| 26   | 284      | 288 | 292 | 287 | 3041            | *             | 7               | 7  | 9  |
| 27   | 284      | 284 | 292 | 286 | 3108            | *             | 9               | 9  | 9  |
| 28   | 283      | 281 | 286 | 283 | 3118            | S1            | 8               | 9  | 7  |
| 29   | 280      | 282 | 284 | 282 | 3025            | 0             | 7               | 9  | 7  |
| 30   | 283      | 286 | 282 | 284 | 2974            | S1            | 8               | 9  | 6  |
| 31   | 281      | 279 | 280 | 280 | 2988            | S1            | 9               | 7  | 6  |
| 上旬平均 | 291      | 301 | 294 | 294 | 2885            |               |                 |    |    |
| 中旬平均 | 282      | 286 | 284 | 284 | 2417            |               |                 |    |    |
| 下旬平均 | 284      | 293 | 290 | 288 | 2903            |               |                 |    |    |
| 月平均  | 285      | 293 | 289 | 288 | 2741            |               |                 |    |    |

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 278      | 278 | 280 | 279 | 2988            | S1            | 9               | 9  | 6  |
| 2    | 277      | 282 | 280 | 279 | 2819            | S1            | 8               | 9  | 6  |
| 3    | 276      | 290 | 276 | 280 | 2535            | S1            | 9               | 9  | 7  |
| 4    | 276      | 284 | 275 | 278 | 2465            | S1            | 8               | 9  | 6  |
| 5    | 275      | 282 | 276 | 277 | 2835            | S1            | 8               | 8  | 7  |
| 6    | 274      | 299 | 287 | 284 | 2934            | S1            | 8               | 9  | 8  |
| 7    | 282      | 284 | 284 | 283 | 2869            | S1            | 7               | 8  | 6  |
| 8    | 275      | 276 | 280 | 277 | 3007            | 0             | 7               | 7  | 6  |
| 9    | 270      | 275 | 275 | 273 | 2929            | S1            | 6               | 9  | 6  |
| 10   | 274      | 281 | 284 | 278 | 2833            | 0             | 9               | 9  | 7  |
| 11   | 275      | 279 | 282 | 278 | 2750            | S1            | 8               | 9  | 7  |
| 12   | 274      | 277 | 276 | 275 | 2904            | S1            | 8               | 9  | 7  |
| 13   | 272      | 278 | 277 | 275 | 2702            | S1            | 9               | 9  | 7  |
| 14   | 274      | 286 | 280 | 279 | 2716            | S1            | 8               | 9  | 7  |
| 15   | 276      | 280 | 278 | 278 | 2859            | S1            | 8               | 9  | 7  |
| 16   | 276      | 280 | 275 | 277 | 2862            | S1            | 8               | 9  | 7  |
| 17   | 275      | 284 | 275 | 277 | 2593            | S1            | 8               | 9  | 7  |
| 18   | 276      | 279 | 276 | 277 | 2362            | S1            | 7               | 9  | 7  |
| 19   | 276      | 290 | 276 | 280 | 2207            | S1            | 9               | 9  | 9  |
| 20   | 277      | 299 | 283 | 284 | 1922            | S1            | 8               | 9  | 9  |
| 21   | 282      | 299 | 292 | 289 | 2837            | S1            | 7               | 9  | 8  |
| 22   | 283      | 296 | 290 | 288 | 2904            | S1            | 7               | 9  | 9  |
| 23   | 282      | 292 | 291 | 287 | 2904            | *             | 9               | 9  | 9  |
| 24   | 282      | 288 | 291 | 286 | 2952            | *             | 9               | 9  | 9  |
| 25   | 284      | 284 | 284 | 284 | 2969            | S1            | 8               | 7  | 7  |
| 26   | 281      | 281 | 281 | 281 | 2878            | 0             | 7               | 8  | 8  |
| 27   | 275      | 278 | 275 | 276 | 2777            | *             | 8               | 8  | 8  |
| 28   | 274      | 278 | 277 | 276 | 2591            | 0             | 8               | 9  | 7  |
| 29   | 277      | 280 | 279 | 278 | 2286            | S1            | 8               | 9  | 6  |
| 30   | 278      | 278 | 278 | 278 | 2424            | S1            | 8               | 8  | 7  |
| 31   | 275      | 285 | 278 | 278 | 1660            | S1            | 8               | 9  | 6  |
| 上旬平均 | 276      | 283 | 280 | 279 | 2821            |               |                 |    |    |
| 中旬平均 | 275      | 283 | 278 | 278 | 2595            |               |                 |    |    |
| 下旬平均 | 279      | 285 | 283 | 282 | 2653            |               |                 |    |    |
| 月平均  | 277      | 284 | 280 | 279 | 2688            |               |                 |    |    |

## 厦 门

九 月

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 277      | 290 | 281 | 281 | 1671            | S1            | 8               | 9  | 7  |
| 2    | 280      | 298 | 280 | 285 | 2001            | S1            | 8               | 9  | 7  |
| 3    | 280      | 300 | 289 | 287 | 2286            | S1            | 8               | 9  | 7  |
| 4    | 283      | 296 | 287 | 287 | 2680            | S1            | 8               | 9  | 8  |
| 5    | 283      | 298 | 292 | 289 | 2759            | S1            | 8               | 9  | 8  |
| 6    | 284      | 290 | 292 | 288 | 2904            | S1            | 8               | 9  | 7  |
| 7    | 280      | 294 | 288 | 286 | 2902            | S2            | 8               | 9  | 8  |
| 8    | 283      | 285 | 288 | 285 | 2839            | S1            | 8               | 8  | 7  |
| 9    | 280      | 281 | 282 | 281 | 2815            | S1            | 8               | 8  | 7  |
| 10   | 278      | 278 | 275 | 277 | 2723            | 0             | 6               | 6  | 7  |
| 11   | 272      | 285 | 269 | 275 | 1702            | S1            | 9               | 9  | 8  |
| 12   | 266      | 273 | 260 | 266 | 2474            | S1            | 6               | 7  | 6  |
| 13   | 264      | 270 | 265 | 266 | 1418            | 0             | 7               | 9  | 7  |
| 14   | 257      | 262 | 262 | 260 | 0595            | 0             | 6               | 9  | 8  |
| 15   | 264      | 266 | 268 | 266 | 1786            | S1            | 7               | 9  | 6  |
| 16   | 266      | 266 | 264 | 266 | 0916            | S1            | 6               | 8  | 8  |
| 17   | 258      | 256 | 262 | 259 | 0835            | S1            | 7               | 8  | 8  |
| 18   | 255      | 255 | 257 | 256 | 0981            | S1            | 9               | 8  | 8  |
| 19   | 255      | 252 | 254 | 254 | 1221            | S1            | 8               | 7  | 7  |
| 20   | 251      | 254 | 258 | 254 | 1727            | *             | 7               | 9  | 8  |
| 21   | 257      | 265 | 262 | 260 | 2317            | *             | 8               | 9  | 9  |
| 22   | 260      | 272 | 262 | 264 | 2424            | *             | 7               | 8  | 9  |
| 23   | 263      | 274 | 269 | 267 | 2414            | *             | 8               | 9  | 9  |
| 24   | 268      | 270 | 272 | 270 | 2557            | *             | 8               | 9  | 9  |
| 25   | 270      | 273 | 275 | 272 | 2516            | *             | 8               | 9  | 9  |
| 26   | 274      | 274 | 274 | 274 | 2414            | S1            | 8               | 9  | 8  |
| 27   | 275      | 282 | 275 | 277 | 2310            | S1            | 8               | 9  | 7  |
| 28   | 273      | 278 | 271 | 274 | 2396            | S1            | 8               | 8  | 7  |
| 29   | 268      | 272 | 271 | 270 | 2203            | S1            | 6               | 9  | 7  |
| 30   | 271      | 274 | 270 | 272 | 1064            | S1            | 9               | 9  | 7  |
| 31   |          |     |     |     |                 |               |                 |    |    |
| 上旬平均 | 281      | 291 | 285 | 285 | 2558            |               |                 |    |    |
| 中旬平均 | 261      | 264 | 262 | 262 | 1366            |               |                 |    |    |
| 下旬平均 | 268      | 273 | 270 | 270 | 2262            |               |                 |    |    |
| 月平均  | 270      | 276 | 272 | 272 | 2062            |               |                 |    |    |

十 月

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 266      | 268 | 268 | 267 | 0662            | S1            | 9               | 9  | 7  |
| 2    | 266      | 275 | 267 | 269 | 1100            | S1            | 9               | 9  | 7  |
| 3    | 264      | 276 | 270 | 269 | 1535            | S2            | 8               | 9  | 6  |
| 4    | 260      | 273 | 270 | 266 | 2434            | S1            | 9               | 9  | 6  |
| 5    | 262      | 268 | 266 | 265 | 2606            | S1            | 8               | 9  | 6  |
| 6    | 264      | 272 | 270 | 268 | 2849            | S2            | 9               | 9  | 7  |
| 7    | 265      | 268 | 261 | 265 | 2889            | S1            | 8               | 9  | 7  |
| 8    | 260      | 266 | 256 | 261 | 2748            | S1            | 8               | 9  | 7  |
| 9    | 256      | 262 | 254 | 257 | 2656            | S1            | 9               | 9  | 6  |
| 10   | 253      | 258 | 252 | 254 | 2656            | S1            | 8               | 9  | 6  |
| 11   | 249      | 253 | 242 | 248 | 2692            | S1            | 8               | 9  | 6  |
| 12   | 245      | 250 | 241 | 245 | 2514            | S1            | 8               | 9  | 6  |
| 13   | 240      | 247 | 240 | 242 | 2516            | S1            | 9               | 9  | 6  |
| 14   | 240      | 245 | 238 | 241 | 2707            | S1            | 8               | 9  | 6  |
| 15   | 240      | 242 | 239 | 240 | 2579            | S1            | 8               | 9  | 9  |
| 16   | 240      | 246 | 242 | 242 | 2373            | S1            | 8               | 8  | 8  |
| 17   | 241      | 247 | 242 | 243 | 2301            | *             | 7               | 7  | 7  |
| 18   | 242      | 259 | 247 | 248 | 2400            | S1            | 7               | 8  | 8  |
| 19   | 246      | 260 | 253 | 251 | 2839            | S1            | 6               | 9  | 8  |
| 20   | 247      | 251 | 251 | 249 | 2846            | S1            | 8               | 9  | 8  |
| 21   | 248      | 256 | 252 | 251 | 2790            | *             | 8               | 9  | 8  |
| 22   | 250      | 256 | 254 | 253 | 2788            | *             | 7               | 9  | 8  |
| 23   | 251      | 254 | 253 | 252 | 2779            | S1            | 8               | 9  | 9  |
| 24   | 249      | 252 | 248 | 250 | 2770            | *             | 8               | 9  | 9  |
| 25   | 247      | 247 | 246 | 247 | 2799            | *             | 8               | 9  | 8  |
| 26   | 243      | 249 | 242 | 244 | 2602            | S1            | 9               | 9  | 8  |
| 27   | 243      | 244 | 241 | 243 | 2788            | S1            | 8               | 9  | 7  |
| 28   | 237      | 244 | 238 | 239 | 2766            | S1            | 7               | 9  | 6  |
| 29   | 236      | 240 | 234 | 237 | 2757            | S1            | 8               | 8  | 6  |
| 30   | 230      | 236 | 234 | 233 | 2503            | S1            | 8               | 8  | 6  |
| 31   | 230      | 233 | 231 | 231 | 2443            | S1            | 8               | 8  | 6  |
| 上旬平均 | 262      | 269 | 263 | 264 | 2216            |               |                 |    |    |
| 中旬平均 | 243      | 250 | 244 | 245 | 2577            |               |                 |    |    |
| 下旬平均 | 242      | 246 | 243 | 244 | 2708            |               |                 |    |    |
| 月平均  | 249      | 255 | 250 | 250 | 2507            |               |                 |    |    |

十一月

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 228      | 232 | 228 | 229 | 2247            | S1            | 8               | 8  | 6  |
| 2    | 226      | 232 | 226 | 228 | 2712            | S1            | 7               | 8  | 6  |
| 3    | 225      | 244 | 230 | 231 | 2765            | S1            | 7               | 8  | 6  |
| 4    | 226      | 232 | 226 | 228 | 2813            | S1            | 8               | 8  | 6  |
| 5    | 222      | 227 | 222 | 223 | 2797            | S1            | 8               | 8  | 6  |
| 6    | 220      | 227 | 222 | 222 | 2757            | S1            | 7               | 9  | 7  |
| 7    | 221      | 225 | 222 | 222 | 2752            | S1            | 7               | 9  | 7  |
| 8    | 221      | 224 | 222 | 222 | 2774            | S1            | 7               | 9  | 6  |
| 9    | 220      | 222 | 218 | 220 | 2848            | S1            | 7               | 7  | 7  |
| 10   | 219      | 224 | 216 | 220 | 2597            | S1            | 7               | 8  | 7  |
| 11   | 219      | 224 | 220 | 221 | 2821            | S1            | 7               | 9  | 7  |
| 12   | 221      | 223 | 220 | 221 | 2678            | S1            | 7               | 8  | 7  |
| 13   | 218      | 224 | 218 | 220 | 2808            | S1            | 9               | 9  | 8  |
| 14   | 219      | 222 | 217 | 219 | 2665            | S1            | 8               | 8  | 7  |
| 15   | 217      | 219 | 218 | 218 | 2443            | S1            | 7               | 8  | 7  |
| 16   | 217      | 218 | 217 | 217 | 2801            | S1            | 6               | 6  | 6  |
| 17   | 216      | 222 | 218 | 218 | 2794            | *             | 7               | 8  | 8  |
| 18   | 217      | 228 | 221 | 221 | 2611            | S1            | 6               | 8  | 8  |
| 19   | 219      | 226 | 221 | 221 | 2685            | S1            | 7               | 8  | 8  |
| 20   | 220      | 222 | 221 | 221 | 2674            | 0             | 8               | 9  | 7  |
| 21   | 221      | 222 | 221 | 221 | 2711            | 0             | 6               | 9  | 7  |
| 22   | 219      | 217 | 216 | 218 | 2660            | 0             | 8               | 9  | 8  |
| 23   | 211      | 214 | 208 | 211 | 2523            | 0             | 8               | 8  | 7  |
| 24   | 205      | 207 | 196 | 203 | 2499            | *             | 8               | 9  | 8  |
| 25   | 199      | 204 | 198 | 200 | 2442            | 0             | 8               | 9  | 7  |
| 26   | 195      | 202 | 199 | 198 | 2550            | S1            | 8               | 8  | 7  |
| 27   | 198      | 202 | 200 | 200 | 2470            | S1            | 7               | 8  | 6  |
| 28   | 199      | 202 | 201 | 200 | 2550            | S1            | 7               | 9  | 7  |
| 29   | 200      | 203 | 201 | 201 | 2431            | S1            | 8               | 7  | 7  |
| 30   | 200      | 211 | 203 | 204 | 2081            | S1            | 7               | 9  | 7  |
| 31   |          |     |     |     |                 |               |                 |    |    |
| 上旬平均 | 223      | 229 | 223 | 225 | 2706            |               |                 |    |    |
| 中旬平均 | 218      | 223 | 219 | 220 | 2698            |               |                 |    |    |
| 下旬平均 | 205      | 208 | 204 | 206 | 2492            |               |                 |    |    |
| 月平均  | 215      | 220 | 216 | 217 | 2632            |               |                 |    |    |

十二月

| 日期   | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1    | 200      | 207 | 202 | 202 | 2648            | S1            | 9               | 9  | 7  |
| 2    | 198      | 208 | 201 | 201 | 2694            | S1            | 9               | 8  | 7  |
| 3    | 196      | 202 | 196 | 198 | 2577            | S1            | 9               | 9  | 7  |
| 4    | 193      | 199 | 192 | 194 | 2588            | S1            | 7               | 7  | 7  |
| 5    | 192      | 197 | 192 | 193 | 2627            | S1            | 8               | 8  | 7  |
| 6    | 190      | 194 | 190 | 191 | 2783            | S1            | 7               | 8  | 7  |
| 7    | 186      | 188 | 185 | 186 | 2833            | S1            | 7               | 8  | 7  |
| 8    | 182      | 183 | 178 | 181 | 2821            | S1            | 7               | 9  | 7  |
| 9    | 178      | 180 | 176 | 178 | 2705            | S1            | 7               | 8  | 7  |
| 10   | 176      | 179 | 174 | 176 | 2682            | S1            | 7               | 8  | 7  |
| 11   | 176      | 179 | 175 | 177 | 2833            | S1            | 7               | 8  | 7  |
| 12   | 175      | 178 | 176 | 176 | 2819            | S1            | 7               | 8  | 7  |
| 13   | 174      | 180 | 176 | 176 | 2683            | S1            | 7               | 7  | 7  |
| 14   | 174      | 180 | 174 | 176 | 2889            | S1            | 7               | 8  | 7  |
| 15   | 171      | 177 | 174 | 173 | 2860            | *             | 8               | 8  | 8  |
| 16   | 173      | 176 | 175 | 174 | 2851            | S1            | 8               | 8  | 7  |
| 17   | 174      | 181 | 176 | 176 | 2839            | S1            | 6               | 7  | 7  |
| 18   | 176      | 181 | 178 | 178 | 2752            | *             | 7               | 8  | 7  |
| 19   | 178      | 186 | 181 | 181 | 2734            | *             | 6               | 7  | 8  |
| 20   | 180      | 182 | 181 | 181 | 2757            | *             | 8               | 8  | 8  |
| 21   | 182      | 181 | 178 | 181 | 2739            | 0             | 8               | 9  | 8  |
| 22   | 176      | 178 | 174 | 176 | 2745            | 0             | 8               | 9  | 8  |
| 23   | 176      | 178 | 175 | 176 | 2683            | *             | 7               | 8  | 8  |
| 24   | 176      | 181 | 177 | 178 | 2709            | S1            | 7               | 8  | 8  |
| 25   | 177      | 178 | 176 | 177 | 2683            | S1            | 7               | 8  | 7  |
| 26   | 176      | 177 | 176 | 176 | 2712            | S1            | 8               | 9  | 7  |
| 27   | 175      | 178 | 176 | 176 | 2680            | S1            | 8               | 9  | 7  |
| 28   | 174      | 175 | 171 | 174 | 2671            | S1            | 8               | 8  | 7  |
| 29   | 168      | 166 | 163 | 166 | 2682            | S1            | 8               | 7  | 7  |
| 30   | 161      | 158 | 159 | 160 | 2604            | S1            | 8               | 6  | 6  |
| 31   | 157      | 158 | 155 | 157 | 2738            | S1            | 8               | 8  | 7  |
| 上旬平均 | 189      | 194 | 189 | 190 | 2696            |               |                 |    |    |
| 中旬平均 | 175      | 180 | 177 | 177 | 2802            |               |                 |    |    |
| 下旬平均 | 173      | 173 | 171 | 172 | 2695            |               |                 |    |    |
| 月平均  | 179      | 182 | 178 | 179 | 2730            |               |                 |    |    |

# 平 海

一 月

二 月

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 116      | 122 | 118 | 118 | 3039            | 0             | 7               | 7  | 7  |
| 2      | 116      | 121 | 122 | 119 | 3025            | *             | 6               | 7  | 7  |
| 3      | 130      | 135 | 139 | 134 | 3043            | S1            | 6               | 7  | 6  |
| 4      | 124      | 126 | 115 | 122 | 3025            | 0             | 7               | 7  | 7  |
| 5      | 111      | 129 | 116 | 117 | 3051            | 0             | 7               | 7  | 7  |
| 6      | 116      | 120 | 115 | 117 | 3068            | 0             | 8               | 8  | 7  |
| 7      | 110      | 114 | 108 | 111 | 3064            | 0             | 7               | 7  | 7  |
| 8      | 117      | 131 | 129 | 124 | 3037            | 0             | 6               | 7  | 6  |
| 9      | 126      | 129 | 127 | 127 | 3033            | 0             | 6               | 7  | 7  |
| 10     | 127      | 141 | 129 | 131 | 3036            | 0             | 6               | 7  | 7  |
| 11     | 120      | 119 | 98  | 114 | 3056            | 0             | 7               | 6  | 7  |
| 12     | 105      | 110 | 106 | 107 | 3061            | 0             | 7               | 7  | 7  |
| 13     | 102      | 111 | 100 | 104 | 3025            | 0             | 7               | 7  | 7  |
| 14     | 100      | 109 | 98  | 102 | 3035            | 0             | 7               | 6  | 7  |
| 15     | 94       | 105 | 103 | 99  | 3046            | 0             | 6               | 7  | 7  |
| 16     | 98       | 106 | 103 | 101 | 3013            | 0             | 8               | 6  | 7  |
| 17     | 90       | 100 | 80  | 90  | 3034            | 0             | 7               | 7  | 7  |
| 18     | 86       | 101 | 79  | 88  | 3014            | 0             | 7               | 7  | 7  |
| 19     | 78       | 100 | 92  | 87  | 3039            | *             | 8               | 8  | 8  |
| 20     | 96       | 108 | 92  | 98  | 3036            | *             | 8               | 9  | 8  |
| 21     | 94       | 116 | 102 | 102 | 3037            | *             | 8               | 9  | 8  |
| 22     | 100      | 124 | 107 | 108 | 3043            | *             | 8               | 7  | 7  |
| 23     | 109      | 119 | 121 | 115 | 3042            | *             | 7               | 7  | 7  |
| 24     | 117      | 123 | 116 | 118 | 3007            | 0             | 5               | 4  | 3  |
| 25     | 116      | 138 | 118 | 122 | 3057            | *             | 6               | 7  | 7  |
| 26     | 109      | 124 | 114 | 114 | 3053            | *             | 7               | 7  | 7  |
| 27     | 111      | 139 | 118 | 120 | 3052            | *             | 8               | 8  | 8  |
| 28     | 114      | 136 | 134 | 125 | 3057            | *             | 6               | 8  | 6  |
| 29     | 122      | 133 | 126 | 126 | 3041            | 0             | 1               | 7  | 6  |
| 30     | 112      | 128 | 111 | 116 | 3034            | *             | 8               | 8  | 8  |
| 31     | 111      | 116 | 111 | 112 | 3043            | 0             | 7               | 7  | 7  |
| 上旬平均   | 119      | 127 | 122 | 122 | 3042            |               |                 |    |    |
| 中旬平均   | 97       | 107 | 95  | 99  | 3036            |               |                 |    |    |
| 下旬平均   | 110      | 127 | 116 | 116 | 3041            |               |                 |    |    |
| 月平均    | 109      | 120 | 111 | 112 | 3040            |               |                 |    |    |

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 104      | 114 | 102 | 106 | 3025            | *             | 7               | 7  | 8  |
| 2      | 93       | 120 | 89  | 99  | 3039            | *             | 8               | 8  | 8  |
| 3      | 96       | 113 | 88  | 98  | 3044            | 0             | 7               | 8  | 7  |
| 4      | 92       | 121 | 110 | 104 | 3068            | 0             | 8               | 7  | 7  |
| 5      | 114      | 122 | 123 | 118 | 3044            | 0             | 6               | 6  | 5  |
| 6      | 122      | 119 | 117 | 120 | 3065            | 0             | 3               | 6  | 7  |
| 7      | 114      | 122 | 114 | 116 | 3042            | 0             | 7               | 6  | 7  |
| 8      | 113      | 122 | 114 | 116 | 3062            | 0             | 7               | 7  | 7  |
| 9      | 112      | 116 | 108 | 112 | 3043            | 0             | 6               | 7  | 5  |
| 10     | 111      | 138 | 116 | 119 | 3072            | 0             | 9               | 9  | 8  |
| 11     | 118      | 125 | 118 | 120 | 3051            | 0             | 6               | 7  | 7  |
| 12     | 116      | 126 | 110 | 117 | 3061            | 0             | 6               | 7  | 7  |
| 13     | 111      | 122 | 114 | 115 | 3062            | 0             | 7               | 7  | 7  |
| 14     | 108      | 112 | 95  | 106 | 3044            | 0             | 7               | 7  | 6  |
| 15     | 102      | 106 | 96  | 102 | 3084            | 0             | 5               | 8  | 8  |
| 16     | 91       | 103 | 87  | 93  | 3043            | 0             | 6               | 6  | 6  |
| 17     | 95       | 105 | 94  | 97  | 3081            | 0             | 8               | 8  | 8  |
| 18     | 98       | 104 | 96  | 98  | 3053            | 0             | 6               | 6  | 6  |
| 19     | 101      | 116 | 113 | 108 | 3084            | 0             | 6               | 9  | 8  |
| 20     | 115      | 122 | 117 | 117 | 3046            | 0             | 5               | 5  | 3  |
| 21     | 112      | 129 | 116 | 117 | 3062            | 0             | 7               | 7  | 7  |
| 22     | 109      | 108 | 108 | 109 | 3084            | 0             | 7               | 8  | 7  |
| 23     | 105      | 109 | 106 | 106 | 3073            | 0             | 8               | 8  | 8  |
| 24     | 105      | 105 | 100 | 104 | 3070            | 0             | 7               | 8  | 7  |
| 25     | 101      | 125 | 108 | 109 | 3108            | 0             | 7               | 7  | 7  |
| 26     | 101      | 114 | 111 | 107 | 3080            | *             | 7               | 6  | 7  |
| 27     | 101      | 116 | 112 | 108 | 3079            | *             | 7               | 8  | 8  |
| 28     | 100      | 132 | 118 | 113 | 3043            | *             | 8               | 7  | 7  |
| 29     |          |     |     |     |                 |               |                 |    |    |
| 30     |          |     |     |     |                 |               |                 |    |    |
| 31     |          |     |     |     |                 |               |                 |    |    |
| 上旬平均   | 107      | 121 | 108 | 111 | 3050            |               |                 |    |    |
| 中旬平均   | 106      | 114 | 104 | 107 | 3061            |               |                 |    |    |
| 下旬平均   | 104      | 117 | 110 | 109 | 3075            |               |                 |    |    |
| 月平均    | 106      | 117 | 107 | 109 | 3061            |               |                 |    |    |

三 月

四 月

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 116      | 133 | 136 | 125 | 3051            | *             | 6               | 7  | 5  |
| 2      | 125      | 133 | 136 | 130 | 3052            | *             | 6               | 7  | 6  |
| 3      | 137      | 138 | 139 | 138 | 3072            | *             | 6               | 6  | 6  |
| 4      | 127      | 140 | 128 | 131 | 3062            | 0             | 6               | 7  | 7  |
| 5      | 124      | 129 | 120 | 124 | 3095            | 0             | 7               | 7  | 7  |
| 6      | 117      | 131 | 118 | 121 | 3095            | 0             | 9               | 9  | 8  |
| 7      | 114      | 124 | 118 | 118 | 3075            | 0             | 8               | 8  | 8  |
| 8      | 113      | 114 | 108 | 112 | 3080            | 0             | 7               | 7  | 7  |
| 9      | 109      | 111 | 104 | 108 | 3073            | 0             | 8               | 5  | 6  |
| 10     | 104      | 107 | 103 | 105 | 3070            | 0             | 7               | 7  | 7  |
| 11     | 105      | 110 | 109 | 107 | 2942            | 0             | 7               | 6  | 6  |
| 12     | 112      | 147 | 123 | 124 | 3073            | 0             | 8               | 8  | 8  |
| 13     | 119      | 133 | 136 | 127 | 3018            | 0             | 8               | 8  | 8  |
| 14     | 126      | 136 | 125 | 128 | 3025            | 0             | 6               | 6  | 6  |
| 15     | 108      | 136 | 112 | 116 | 3051            | 0             | 6               | 7  | 6  |
| 16     | 117      | 122 | 113 | 117 | 3012            | 0             | 7               | 7  | 7  |
| 17     | 118      | 138 | 124 | 125 | 3027            | 0             | 8               | 8  | 7  |
| 18     | 131      | 141 | 141 | 136 | 3036            | 0             | 8               | 8  | 8  |
| 19     | 136      | 145 | 144 | 140 | 3051            | 0             | 8               | 6  | 6  |
| 20     | 138      | 140 | 136 | 138 | 3037            | 0             | 6               | 7  | 5  |
| 21     | 131      | 136 | 127 | 131 | 3056            | 0             | 5               | 8  | 6  |
| 22     | 128      | 133 | 124 | 128 | 3065            | 0             | 8               | 7  | 7  |
| 23     | 126      | 124 | 110 | 122 | 2998            | 0             | 8               | 5  | 5  |
| 24     | 121      | 124 | 121 | 122 | 3026            | 0             | 8               | 7  | 8  |
| 25     | 121      | 127 | 122 | 123 | 2974            | 0             | 6               | 9  | 8  |
| 26     | 121      | 130 | 128 | 125 | 3008            | *             | 7               | 9  | 8  |
| 27     | 122      | 148 | 128 | 130 | 3027            | *             | 8               | 7  | 7  |
| 28     | 122      | 146 | 129 | 130 | 3068            | *             | 7               | 7  | 8  |
| 29     | 128      | 139 | 132 | 132 | 3051            | *             | 7               | 8  | 8  |
| 30     | 132      | 156 | 140 | 140 | 3025            | *             | 8               | 7  | 7  |
| 31     | 139      | 155 | 142 | 145 | 3046            | *             | 7               | 7  | 7  |
| 上旬平均   | 119      | 126 | 121 | 121 | 3073            |               |                 |    |    |
| 中旬平均   | 121      | 135 | 126 | 126 | 3027            |               |                 |    |    |
| 下旬平均   | 126      | 138 | 128 | 130 | 3031            |               |                 |    |    |
| 月平均    | 122      | 133 | 125 | 126 | 3043            |               |                 |    |    |

| 日<br>期 | 表层水温(°C) |     |     |     | 表层<br>盐度<br>(‰) | 海 发 光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|--------|----------|-----|-----|-----|-----------------|---------------|-----------------|----|----|
|        | 08       | 14  | 20  | 平均  |                 |               | 08              | 14 | 20 |
| 1      | 144      | 157 | 151 | 149 | 3037            | 0             | 7               | 6  | 6  |
| 2      | 148      | 158 | 150 | 151 | 3027            | *             | 6               | 6  | 7  |
| 3      | 157      | 164 | 163 | 160 | 3062            | 0             | 5               | 6  | 7  |
| 4      | 165      | 166 | 175 | 168 | 3062            | S2            | 6               | 2  | 1  |
| 5      | 172      | 166 | 146 | 164 | 3129            | 0             | 1               | 6  | 6  |
| 6      | 158      | 174 | 163 | 163 | 3180            | 0             | 8               | 7  | 7  |
| 7      | 164      | 179 | 164 | 168 | 3210            | S1            | 6               | 7  | 7  |
| 8      | 172      | 201 | 178 | 181 | 3178            | S1            | 6               | 7  | 5  |
| 9      | 165      | 170 | 168 | 167 | 3203            | S1            | 7               | 6  | 7  |
| 10     | 152      | 181 | 159 | 161 | 3166            | 0             | 7               | 7  | 7  |
| 11     | 160      | 171 | 174 | 166 | 3103            | 0             | 7               | 7  | 7  |
| 12     | 166      | 187 | 180 | 175 | 3129            | S1            | 6               | 6  | 6  |
| 13     | 172      | 194 | 181 | 180 | 3140            | S2            | 7               | 8  | 7  |
| 14     | 183      | 195 | 178 | 185 | 3189            | 0             | 7               | 9  | 7  |
| 15     | 172      | 184 | 174 | 176 | 3164            | S1            | 7               | 7  | 7  |
| 16     | 162      | 176 | 150 | 163 | 3169            | 0             | 7               | 6  | 7  |
| 17     | 160      | 176 | 168 | 166 | 3174            | 0             | 7               | 7  | 7  |
| 18     | 170      | 179 | 173 | 173 | 3171            | 0             | 8               | 9  | 7  |
| 19     | 172      | 176 | 173 | 173 | 3143            | S1            | 6               | 6  | 7  |
| 20     | 178      | 181 | 178 | 179 | 3169            | 0             | 8               | 8  | 7  |
| 21     | 178      | 184 | 185 | 181 | 3151            | *             | 6               | 2  | 2  |
| 22     | 184      | 189 | 178 | 184 | 3182            | *             | 8               | 8  | 8  |
| 23     | 182      | 198 | 185 | 187 | 3192            | 0             | 7               | 8  | 7  |
| 24     | 186      | 189 | 186 | 187 | 3158            | 0             | 7               | 6  | 6  |
| 25     | 186      | 192 | 190 | 189 | 3161            | 0             | 9               | 8  | 7  |
| 26     | 183      | 190 | 184 | 185 | 3158            | *             | 8               | 9  | 7  |
| 27     | 182      | 206 | 186 | 189 | 3171            | *             | 8               | 7  | 8  |
| 28     | 183      | 201 | 190 | 189 | 3162            | *             | 8               | 8  | 8  |
| 29     | 187      | 201 | 189 | 191 | 3164            | *             | 8               | 9  | 8  |
| 30     | 184      | 201 | 188 | 191 | 3162            | *             | 6               | 9  | 9  |
| 31     |          |     |     |     |                 |               |                 |    |    |
| 上旬平均   | 160      | 172 | 162 | 163 | 3125            |               |                 |    |    |
| 中旬平均   | 170      | 182 | 173 | 174 | 3155            |               |                 |    |    |
| 下旬平均   | 184      | 196 | 186 | 187 | 3166            |               |                 |    |    |
| 月平均    | 171      | 183 | 174 | 175 | 3149            |               |                 |    |    |

# 平 海

五 月

| 日期   | 表层水温(°C) |     |     |     | 表层盐度(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|---------|-------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |         |             | 08              | 14 | 20 |
| 1    | 194      | 212 | 200 | 200 | 3169    | 0           | 8               | 7  | 7  |
| 2    | 204      | 218 | 210 | 209 | 3171    | 0           | 7               | 7  | 7  |
| 3    | 209      | 222 | 218 | 215 | 3174    | 81          | 6               | 7  | 6  |
| 4    | 202      | 222 | 190 | 204 | 3161    | 0           | 6               | 7  | 8  |
| 5    | 201      | 209 | 195 | 202 | 3194    | 0           | 7               | 8  | 8  |
| 6    | 200      | 208 | 206 | 204 | 3199    | 0           | 7               | 7  | 7  |
| 7    | 205      | 228 | 212 | 213 | 3187    | 0           | 7               | 7  | 7  |
| 8    | 208      | 225 | 224 | 216 | 3192    | 0           | 6               | 7  | 8  |
| 9    | 224      | 257 | 230 | 234 | 3209    | 0           | 6               | 8  | 7  |
| 10   | 226      | 250 | 232 | 234 | 3194    | 0           | 2               | 6  | 7  |
| 11   | 226      | 243 | 238 | 233 | 3283    | 81          | 2               | 5  | 5  |
| 12   | 216      | 211 | 202 | 211 | 3317    | 81          | 7               | 7  | 7  |
| 13   | 201      | 206 | 199 | 202 | 3336    | 0           | 7               | 7  | 7  |
| 14   | 206      | 222 | 210 | 211 | 3326    | 0           | 8               | 9  | 8  |
| 15   | 213      | 220 | 222 | 217 | 3317    | 0           | 7               | 9  | 7  |
| 16   | 221      | 231 | 210 | 221 | 3313    | 0           | 6               | 9  | 6  |
| 17   | 215      | 230 | 218 | 220 | 3324    | 0           | 9               | 9  | 9  |
| 18   | 220      | 234 | 231 | 226 | 3339    | 82          | 8               | 8  | 8  |
| 19   | 228      | 257 | 251 | 241 | 3337    | 0           | 6               | 6  | 5  |
| 20   | 234      | 237 | 240 | 236 | 3407    | 0           | 5               | 5  | 5  |
| 21   | 234      | 234 | 227 | 232 | 3394    | 0           | 6               | 7  | 7  |
| 22   | 218      | 222 | 210 | 217 | 3417    | 0           | 8               | 7  | 7  |
| 23   | 213      | 218 | 215 | 215 | 3294    | 0           | 7               | 7  | 7  |
| 24   | 210      | 209 | 210 | 210 | 3161    | 0           | 5               | 5  | 6  |
| 25   | 209      | 248 | 210 | 219 | 3285    | *           | 7               | 5  | 5  |
| 26   | 216      | 234 | 226 | 223 | 3205    | 0           | 7               | 5  | 6  |
| 27   | 224      | 233 | 226 | 227 | 3147    | *           | 7               | 8  | 9  |
| 28   | 228      | 246 | 242 | 236 | 3161    | *           | 1               | 6  | 5  |
| 29   | 228      | 229 | 216 | 225 | 3146    | 0           | 6               | 5  | 8  |
| 30   | 224      | 244 | 244 | 234 | 3326    | 0           | 5               | 9  | 7  |
| 31   | 235      | 234 | 211 | 229 | 3194    | 0           | 1               | 7  | 5  |
| 上旬平均 | 207      | 225 | 212 | 213 | 3185    |             |                 |    |    |
| 中旬平均 | 218      | 229 | 222 | 222 | 3330    |             |                 |    |    |
| 下旬平均 | 222      | 232 | 222 | 224 | 3248    |             |                 |    |    |
| 月平均  | 216      | 229 | 219 | 220 | 3254    |             |                 |    |    |

六 月

| 日期   | 表层水温(°C) |     |     |     | 表层盐度(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|-----|-----|-----|---------|-------------|-----------------|----|----|
|      | 08       | 14  | 20  | 平均  |         |             | 08              | 14 | 20 |
| 1    | 228      | 232 | 234 | 231 | 3205    |             | 5               | 5  | 5  |
| 2    | 244      | 240 | 236 | 241 | 3176    | 0           | 5               | 5  | 5  |
| 3    | 231      | 233 | 230 | 231 | 3213    | 0           | 7               | 8  | 8  |
| 4    | 229      | 234 | 230 | 231 | 3156    | 0           | 8               | 7  | 8  |
| 5    | 233      | 261 | 232 | 240 | 3194    | 0           | 9               | 9  | 9  |
| 6    | 241      | 270 | 255 | 252 | 3166    | 0           | 8               | 9  | 9  |
| 7    | 252      | 280 | 260 | 261 | 3143    | 0           | 7               | 8  | 8  |
| 8    | 262      | 281 | 264 | 267 | 3129    | 0           | 8               | 8  | 8  |
| 9    | 259      | 284 | 262 | 266 | 3138    | 0           | 7               | 7  | 7  |
| 10   | 261      | 285 | 261 | 267 | 3182    | 0           | 7               | 8  | 7  |
| 11   | 260      | 274 | 262 | 264 | 3203    | 0           | 8               | 8  | 8  |
| 12   | 259      | 271 | 263 | 263 | 3289    | 0           | 6               | 7  | 7  |
| 13   | 263      | 267 | 264 | 264 | 3342    | 0           | 7               | 8  | 8  |
| 14   | 265      | 272 | 266 | 267 | 3303    | 0           | 8               | 8  | 7  |
| 15   | 269      | 273 | 269 | 270 | 3389    | 0           | 6               | 7  | 7  |
| 16   | 272      | 282 | 275 | 275 | 3412    | 0           | 6               | 8  | 8  |
| 17   | 273      | 279 | 279 | 276 | 3447    |             | 6               | 7  | 6  |
| 18   | 269      | 275 | 273 | 272 | 3411    | 0           | 7               | 8  | 7  |
| 19   | 274      | 290 | 272 | 278 | 3427    |             | 8               | 8  | 8  |
| 20   | 285      | 311 | 291 | 293 | 3417    | *           | 8               | 8  | 9  |
| 21   | 277      | 307 | 287 | 287 | 3423    | *           | 9               | 9  | 8  |
| 22   | 276      | 309 | 278 | 285 | 3461    | *           | 8               | 8  | 8  |
| 23   | 275      | 311 | 280 | 285 | 3426    | *           | 8               | 8  | 8  |
| 24   | 278      | 288 | 280 | 281 | 3449    | *           | 8               | 8  | 7  |
| 25   | 280      | 289 | 285 | 284 | 3409    | *           | 9               | 9  | 8  |
| 26   | 284      | 293 | 293 | 289 | 3417    | *           | 9               | 8  | 8  |
| 27   | 292      | 297 | 291 | 293 | 3431    | *           | 8               | 8  | 8  |
| 28   | 288      | 300 | 284 | 290 | 3436    | *           | 9               | 8  | 8  |
| 29   | 286      | 293 | 280 | 286 | 3436    | 0           | 8               | 7  | 7  |
| 30   | 274      | 297 | 271 | 279 | 3476    | 0           | 8               | 7  | 7  |
| 31   |          |     |     |     |         |             |                 |    |    |
| 上旬平均 | 244      | 260 | 246 | 249 | 3170    |             |                 |    |    |
| 中旬平均 | 269      | 279 | 271 | 272 | 3364    |             |                 |    |    |
| 下旬平均 | 281      | 298 | 283 | 286 | 3436    |             |                 |    |    |
| 月平均  | 265      | 279 | 267 | 269 | 3324    |             |                 |    |    |

— 月

| 日期   | 表层水温(°C) |    |    |    | 表层盐度(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|----|----|----|---------|-------------|-----------------|----|----|
|      | 08       | 14 | 20 | 平均 |         |             | 08              | 14 | 20 |
| 1    |          |    |    |    |         |             |                 |    |    |
| 2    |          |    |    |    |         |             |                 |    |    |
| 3    |          |    |    |    |         |             |                 |    |    |
| 4    |          |    |    |    |         |             |                 |    |    |
| 5    |          |    |    |    |         |             |                 |    |    |
| 6    |          |    |    |    |         |             |                 |    |    |
| 7    |          |    |    |    |         |             |                 |    |    |
| 8    |          |    |    |    |         |             |                 |    |    |
| 9    |          |    |    |    |         |             |                 |    |    |
| 10   |          |    |    |    |         |             |                 |    |    |
| 11   |          |    |    |    |         |             |                 |    |    |
| 12   |          |    |    |    |         |             |                 |    |    |
| 13   |          |    |    |    |         |             |                 |    |    |
| 14   |          |    |    |    |         |             |                 |    |    |
| 15   |          |    |    |    |         |             |                 |    |    |
| 16   |          |    |    |    |         |             |                 |    |    |
| 17   |          |    |    |    |         |             |                 |    |    |
| 18   |          |    |    |    |         |             |                 |    |    |
| 19   |          |    |    |    |         |             |                 |    |    |
| 20   |          |    |    |    |         |             |                 |    |    |
| 21   |          |    |    |    |         |             |                 |    |    |
| 22   |          |    |    |    |         |             |                 |    |    |
| 23   |          |    |    |    |         |             |                 |    |    |
| 24   |          |    |    |    |         |             |                 |    |    |
| 25   |          |    |    |    |         |             |                 |    |    |
| 26   |          |    |    |    |         |             |                 |    |    |
| 27   |          |    |    |    |         |             |                 |    |    |
| 28   |          |    |    |    |         |             |                 |    |    |
| 29   |          |    |    |    |         |             |                 |    |    |
| 30   |          |    |    |    |         |             |                 |    |    |
| 31   |          |    |    |    |         |             |                 |    |    |
| 上旬平均 |          |    |    |    |         |             |                 |    |    |
| 中旬平均 |          |    |    |    |         |             |                 |    |    |
| 下旬平均 |          |    |    |    |         |             |                 |    |    |
| 月平均  |          |    |    |    |         |             |                 |    |    |

— 月

| 日期   | 表层水温(°C) |    |    |    | 表层盐度(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    |
|------|----------|----|----|----|---------|-------------|-----------------|----|----|
|      | 08       | 14 | 20 | 平均 |         |             | 08              | 14 | 20 |
| 1    |          |    |    |    |         |             |                 |    |    |
| 2    |          |    |    |    |         |             |                 |    |    |
| 3    |          |    |    |    |         |             |                 |    |    |
| 4    |          |    |    |    |         |             |                 |    |    |
| 5    |          |    |    |    |         |             |                 |    |    |
| 6    |          |    |    |    |         |             |                 |    |    |
| 7    |          |    |    |    |         |             |                 |    |    |
| 8    |          |    |    |    |         |             |                 |    |    |
| 9    |          |    |    |    |         |             |                 |    |    |
| 10   |          |    |    |    |         |             |                 |    |    |
| 11   |          |    |    |    |         |             |                 |    |    |
| 12   |          |    |    |    |         |             |                 |    |    |
| 13   |          |    |    |    |         |             |                 |    |    |
| 14   |          |    |    |    |         |             |                 |    |    |
| 15   |          |    |    |    |         |             |                 |    |    |
| 16   |          |    |    |    |         |             |                 |    |    |
| 17   |          |    |    |    |         |             |                 |    |    |
| 18   |          |    |    |    |         |             |                 |    |    |
| 19   |          |    |    |    |         |             |                 |    |    |
| 20   |          |    |    |    |         |             |                 |    |    |
| 21   |          |    |    |    |         |             |                 |    |    |
| 22   |          |    |    |    |         |             |                 |    |    |
| 23   |          |    |    |    |         |             |                 |    |    |
| 24   |          |    |    |    |         |             |                 |    |    |
| 25   |          |    |    |    |         |             |                 |    |    |
| 26   |          |    |    |    |         |             |                 |    |    |
| 27   |          |    |    |    |         |             |                 |    |    |
| 28   |          |    |    |    |         |             |                 |    |    |
| 29   |          |    |    |    |         |             |                 |    |    |
| 30   |          |    |    |    |         |             |                 |    |    |
| 31   |          |    |    |    |         |             |                 |    |    |
| 上旬平均 |          |    |    |    |         |             |                 |    |    |
| 中旬平均 |          |    |    |    |         |             |                 |    |    |
| 下旬平均 |          |    |    |    |         |             |                 |    |    |
| 月平均  |          |    |    |    |         |             |                 |    |    |

七月

| 日<br>期 | 表层 水温 (°C) |     |     |     | 表层<br>盐度<br>(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    | 风 速 (米/秒) |       |       |        | 风 向    |    | 海况(级) |    |    |     | 波 型 |     |     |  |
|--------|------------|-----|-----|-----|-----------------|-------------|-----------------|----|----|-----------|-------|-------|--------|--------|----|-------|----|----|-----|-----|-----|-----|--|
|        | 08         | 14  | 20  | 平均  |                 |             | 08              | 14 | 20 | 08        | 11    | 14    | 17     | 平<br>均 | 08 | 11    | 14 | 17 | 08  | 11  | 14  | 17  |  |
|        |            |     |     |     |                 |             |                 |    |    | 速 向       | 速 向   | 速 向   | 速 向    |        |    |       |    |    |     |     |     |     |  |
| 1      | 279        | 297 | 269 | 281 | 3456            | 0           | 7               | 6  | 5  | 14 NE     | 14 NE | 14 NE | 18 SE  | 150    | 5  | 5     | 5  | 4  | F   | F   | F   | F   |  |
| 2      | 281        | 287 | 282 | 283 | 3423            | 0           | 7               | 7  | 7  | 16 E      | 17 SE | 16 SE | 14 SE  | 158    | 6  | 6     | 5  | F  | F   | F   | F   |     |  |
| 3      | 280        | 289 | 286 | 284 | 3426            | 0           | 6               | 7  | 7  | 13 S      | 15 S  | 10 S  | 12 SSE | 125    | 6  | 7     | 5  | 6  | F   | F   | F   | F   |  |
| 4      | 285        | 298 | 291 | 290 | 3432            | 0           | 7               | 8  | 8  | 10 SW     | 8 SW  | 8 SW  | 10 SW  | 90     | 3  | 4     | 4  | 4  | F   | F   | F   | F   |  |
| 5      | 291        | 301 | 291 | 294 | 3434            | 0           | 7               | 7  | 7  | 8 SW      | 10 SW | 12 SW | 11 SW  | 103    | 3  | 4     | 5  | 5  | F   | F   | F   | F   |  |
| 6      | 285        | 299 | 287 | 289 | 3467            | 0           | 8               | 9  | 8  | 6 SW      | 8 SW  | 8 SW  | 8 SW   | 75     | 3  | 3     | 4  | 4  | F   | F   | F   | F   |  |
| 7      | 283        | 300 | 288 | 289 | 3442            | 0           | 7               | 9  | 8  | 4 SW      | 5 SW  | 8 SW  | 8 SW   | 63     | 2  | 2     | 3  | 3  | F   | F   | F   | F   |  |
| 8      | 286        | 298 | 292 | 291 | 3443            | 0           | 9               | 9  | 9  | 5 SE      | 7 S   | 7 SE  | 4 SE   | 58     | 2  | 3     | 3  | 2  | F   | F   | F   | F   |  |
| 9      | 285        | 297 | 281 | 287 | 3451            | 0           | 9               | 9  | 9  | 6 SW      | 6 S   | 7 S   | 8 S    | 68     | 3  | 3     | 3  | 4  | F   | F   | F   | F   |  |
| 10     | 281        | 298 | 291 | 288 | 3467            | 0           | 9               | 9  | 9  | 3 SW      | 4 S   | 5 S   | 6 S    | 45     | 2  | 2     | 2  | 3  | F   | F   | F   | F   |  |
| 11     | 277        | 286 | 287 | 282 | 3456            | 0           | 8               | 8  | 8  | 4 SW      | 3 S   | 6 S   | 5 S    | 45     | 2  | 2     | 3  | 3  | F   | F   | F   | F   |  |
| 12     | 279        | 292 | 278 | 282 | 3446            | 0           | 7               | 8  | 8  | 3 S       | 4 SE  | 5 SE  | 5 SE   | 43     | 2  | 2     | 3  | 3  | F   | F   | F   | F   |  |
| 13     | 280        | 282 | 261 | 276 | 3456            | 0           | 6               | 7  | 7  | 2 S       | 4 ENE | 7 NE  | 12 NE  | 63     | 1  | 1     | 2  | 4  | U   | U/F | F   | F   |  |
| 14     | 265        | 278 | 260 | 267 | 3493            | 0           | 5               | 5  | 6  | 18 NE     | 22 NE | 22 NE | 22 NE  | 210    | 6  | 7     | 7  | 7  | F   | F   | F   | F   |  |
| 15     | 274        | 274 | 271 | 273 | 3450            | 0           | 7               | 6  | 6  | 8 SE      | 17 SE | 14 SE | 14 SE  | 133    | 4  | 6     | 6  | 6  | F   | F   | F   | F   |  |
| 16     | 272        | 277 | 280 | 275 | 3461            | 0           | 6               | 7  | 7  | 10 SE     | 12 SE | 8 SE  | 8 SE   | 95     | 4  | 5     | 4  | 4  | F   | F   | F   | F   |  |
| 17     | 274        | 281 | 264 | 273 | 3476            | *           | 8               | 9  | 8  | 8 NE      | 12 NE | 14 NE | 14 NE  | 120    | 3  | 4     | 4  | 5  | F/U | F   | F   | F   |  |
| 18     | 273        | 283 | 269 | 275 | 3470            | *           | 8               | 8  | 7  | 12 NE     | 14 NE | 18 NE | 16 NE  | 150    | 6  | 6     | 6  | 6  | F   | F   | F   | F   |  |
| 19     | 273        | 287 | 279 | 278 | 3463            | 0           | 6               | 7  | 7  | 12 NE     | 10 NE | 6 ENE | 6 ENE  | 85     | 4  | 5     | 3  | 3  | F   | F   | F   | F   |  |
| 20     | 281        | 297 | 289 | 287 | 3443            | *           | 7               | 9  | 9  | 4 N       | 4 SE  | 4 SE  | 4 SE   | 40     | 2  | 2     | 2  | 2  | U   | U   | F   | F   |  |
| 21     | 291        | 308 | 300 | 298 | 3497            | *           | 8               | 8  | 8  | 2 SW      | 3 S   | 6 S   | 6 S    | 43     | 1  | 1     | 2  | 2  | U   | U   | F   | F   |  |
| 22     | 292        | 303 | 294 | 295 | 3458            | *           | 8               | 7  | 8  | 6 SW      | 5 SW  | 7 S   | 7 S    | 63     | 2  | 3     | 4  | 4  | F   | F   | F   | F   |  |
| 23     | 291        | 299 | 290 | 293 | 3456            | *           | 8               | 7  | 7  | 5 SW      | 4 S   | 6 S   | 8 S    | 58     | 2  | 2     | 3  | 4  | F   | F   | F   | F   |  |
| 24     | 290        | 311 | 288 | 295 | 3484            | *           | 6               | 6  | 6  | 5 S       | 7 S   | 8 S   | 8 S    | 70     | 2  | 3     | 4  | 4  | F   | F   | F   | F   |  |
| 25     | 290        | 304 | 289 | 293 | 3441            | *           | 5               | 6  | 6  | 5 S       | 6 S   | 7 S   | 8 S    | 65     | 2  | 2     | 3  | 4  | F   | F   | F   | F   |  |
| 26     | 286        | 296 | 289 | 289 | 3460            | *           | 6               | 7  | 7  | 8 S       | 8 S   | 8 S   | 9 S    | 83     | 3  | 3     | 4  | 4  | F   | F   | F   | F   |  |
| 27     | 288        | 298 | 286 | 290 | 3470            | 0           | 7               | 7  | 7  | 6 S       | 7 S   | 8 S   | 9 S    | 75     | 3  | 3     | 4  | 4  | F   | F   | F   | F   |  |
| 28     | 279        | 288 | 279 | 281 | 3423            | 0           | 7               | 7  | 7  | 4 S       | 3 S   | 5 S   | 5 S    | 43     | 2  | 2     | 2  | 2  | F   | F   | F   | F   |  |
| 29     | 285        | 279 | 266 | 279 | 3431            | 0           | 8               | 9  | 8  | 4 SW      | 2 E   | 4 E   | 4 E    | 35     | 1  | 1     | 1  | 1  | F   | U   | U/F | U/F |  |
| 30     | 274        | 275 | 275 | 275 | 3420            | 0           | 8               | 9  | 8  | 3 E       | 4 E   | 4 E   | 4 E    | 38     | 1  | 1     | 1  | 1  | F/U | U/F | F   | F   |  |
| 31     | 277        | 287 | 281 | 281 | 3423            | 0           | 9               | 9  | 9  | 4 SW      | 4 SW  | 6 SW  | 10 SW  | 60     | 1  | 2     | 3  | 4  | F   | F   | F   | F   |  |
| 上旬平均   | 284        | 296 | 286 | 288 | 3444            |             |                 |    |    | 85        | 94    | 95    | 99     | 94     |    |       |    |    |     |     |     |     |  |
| 中旬平均   | 275        | 284 | 274 | 277 | 3461            |             |                 |    |    | 81        | 102   | 104   | 106    | 98     |    |       |    |    |     |     |     |     |  |
| 下旬平均   | 286        | 295 | 285 | 288 | 3451            |             |                 |    |    | 47        | 48    | 63    | 71     | 58     |    |       |    |    |     |     |     |     |  |
| 月平均    | 282        | 292 | 282 | 284 | 3452            |             |                 |    |    | 70        | 80    | 86    | 91     | 82     |    |       |    |    |     |     |     |     |  |

| 日<br>期 | 风 浪 向 |     |     |     | 涌 浪 向 |    |    |    | 周 期 (秒) |    |    |    |    | 波 高 (米) |    |    |    |    | 最大波高(米) |    |    |    | 测波点水深(米) |    |    |    |
|--------|-------|-----|-----|-----|-------|----|----|----|---------|----|----|----|----|---------|----|----|----|----|---------|----|----|----|----------|----|----|----|
|        | 08    | 11  | 14  | 17  | 08    | 11 | 14 | 17 | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 08       | 11 | 14 | 17 |
| 1      | NE    | NE  | NE  | SE  |       |    |    |    | 29      | 31 | 37 | 33 | 33 | 05      | 08 | 09 | 12 | 09 | 06      | 09 | 11 | 14 |          |    |    |    |
| 2      | E     | E   | ESE | S   |       |    |    |    | 59      | 74 | 74 | 68 | 69 | 15      | 18 | 19 | 17 | 17 | 16      | 20 | 21 | 19 |          |    |    |    |
| 3      | S     | S   | S   | SSE |       |    |    |    | 60      | 56 | 51 | 47 | 54 | 19      | 16 | 14 | 13 | 16 | 21      | 17 | 15 | 14 |          |    |    |    |
| 4      | S     | S   | S   | S   |       |    |    |    | 38      | 43 | 44 | 42 | 42 | 08      | 08 | 09 | 08 | 08 | 09      | 10 | 10 | 10 |          |    |    |    |
| 5      | S     | S   | S   | S   |       |    |    |    | 47      | 51 | 44 | 43 | 46 | 08      | 08 | 09 | 08 | 08 | 09      | 10 | 10 | 09 |          |    |    |    |
| 6      | SW    | SSW | SSW | SSW |       |    |    |    | 44      | 43 | 44 | 45 | 44 | 08      | 08 | 09 | 09 | 09 | 09      | 09 | 10 | 10 |          |    |    |    |
| 7      | SW    | SW  | SW  | SW  |       |    |    |    | 32      | 33 | 36 | 39 | 35 | 04      | 04 | 05 | 07 | 05 | 05      | 05 | 06 | 07 |          |    |    |    |
| 8      | S     | SSE | S   | S   |       |    |    |    | 39      | 41 | 43 | 33 | 39 | 04      | 05 | 05 | 04 | 05 | 05      | 06 | 06 | 05 |          |    |    |    |
| 9      | S     | SSE | SSE | SSE |       |    |    |    | 36      | 40 | 42 | 42 | 40 | 06      | 07 | 07 | 08 | 07 | 08      | 09 | 09 | 10 |          |    |    |    |
| 10     | S     | S   | S   | S   |       |    |    |    | 34      | 35 | 27 | 40 | 34 | 05      | 05 | 04 | 07 | 05 | 06      | 06 | 05 | 08 |          |    |    |    |
| 11     | S     | S   | S   | S   |       |    |    |    | 34      | 29 | 36 | 37 | 34 | 05      | 04 | 06 | 05 | 05 | 06      | 05 | 07 | 06 |          |    |    |    |
| 12     | S     | SE  | SE  | SE  |       |    |    |    | 41      | 34 | 33 | 35 | 36 | 04      | 04 | 04 | 05 | 04 | 05      | 05 | 04 | 05 |          |    |    |    |
| 13     |       | E   | NE  | NE  | S     | S  |    |    | 57      | 60 | 23 | 27 | 42 | 04      | 04 | 03 | 04 | 04 | 05      | 05 | 04 | 05 |          |    |    |    |
| 14     | NE    | NE  | NE  | NE  |       |    |    |    | 49      | 52 | 55 | 57 | 53 | 10      | 10 | 11 | 11 | 11 | 11      | 11 | 12 | 13 |          |    |    |    |
| 15     | SSE   | SSE | SSE | S   |       |    |    |    | 43      | 63 | 58 | 66 | 58 | 06      | 12 | 12 | 14 | 11 | 07      | 13 | 13 | 15 |          |    |    |    |
| 16     | SE    | SE  | SE  | SE  |       |    |    |    | 49      | 52 | 54 | 57 | 53 | 12      | 11 | 12 | 11 | 12 | 13      | 13 | 14 | 13 |          |    |    |    |
| 17     | NE    | NE  | NE  | NE  | S     |    |    |    | 31      | 33 | 30 | 29 | 31 | 05      | 06 | 07 | 08 | 07 | 05      | 07 | 09 | 09 |          |    |    |    |
| 18     | NE    | NE  | NE  | NE  |       |    |    |    | 44      | 41 | 44 | 50 | 45 | 07      | 07 | 08 | 09 | 08 | 08      | 08 | 10 | 10 |          |    |    |    |
| 19     | NE    | NE  | E   | E   |       |    |    |    | 42      | 44 | 34 | 26 | 37 | 06      | 05 | 04 | 03 | 05 | 08      | 06 | 04 | 04 |          |    |    |    |
| 20     |       |     | SW  | SW  | SW    | SW |    |    | 66      | 62 | 36 | 35 | 50 | 07      | 07 | 04 | 04 | 06 | 08      | 07 | 05 | 05 |          |    |    |    |
| 21     |       |     | S   | S   | S     | S  |    |    | 62      | 55 | 43 | 34 | 49 | 06      | 05 | 05 | 05 | 05 | 07      | 06 | 07 | 06 |          |    |    |    |
| 22     | S     | S   | SSW | SSW |       |    |    |    | 32      | 36 | 42 | 45 | 39 | 04      | 04 | 05 | 06 | 05 | 05      | 06 | 06 | 07 |          |    |    |    |
| 23     | SSW   | SW  | SW  | SW  |       |    |    |    | 38      | 38 | 42 | 47 | 41 | 04      | 04 | 05 | 06 | 05 | 05      | 05 | 06 | 07 |          |    |    | </ |

# 平 海

八 月

| 日期   | 表层水温 (°C) |     |     |     | 表层盐度 (‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    | 风 速 (米/秒) |     |     |     | 风 向 | 平 均 | 海况(级) |     |     |    | 波 型 |    |    |     |     |     |     |  |
|------|-----------|-----|-----|-----|----------|-------------|-----------------|----|----|-----------|-----|-----|-----|-----|-----|-------|-----|-----|----|-----|----|----|-----|-----|-----|-----|--|
|      | 08        | 14  | 20  | 平均  |          |             | 08              | 14 | 20 | 08        | 11  | 14  | 17  |     |     | 08    | 11  | 14  | 17 | 08  | 11 | 14 | 17  |     |     |     |  |
|      | 速         | 向   | 速   | 向   | 速        | 向           | 速               | 向  | 速  | 向         | 速   | 向   | 速   | 向   | 速   | 向     | 速   | 向   | 速  | 向   | 速  | 向  |     |     |     |     |  |
| 1    | 278       | 287 | 287 | 283 | 3420     | S1          | 8               | 7  | 7  | 8         | SW  | 8   | SW  | 7   | S   | 7     | S   | 75  | 4  | 4   | 3  | 4  | F   | F   | F   | F   |  |
| 2    | 283       | 287 | 285 | 285 | 3431     | 0           | 8               | 8  | 7  | 4         | SW  | 6   | S   | 6   | S   | 8     | S   | 60  | 2  | 2   | 3  | 3  | F   | F   | F   | F   |  |
| 3    | 281       | 293 | 283 | 285 | 3519     | S1          | 8               | 8  | 7  | 5         | S   | 6   | S   | 6   | S   | 6     | S   | 58  | 2  | 3   | 3  | 3  | F   | F   | F   | F   |  |
| 4    | 282       | 280 | 275 | 280 | 3400     | S1          | 8               | 5  | 7  | 4         | S   | 10  | SSE | 10  | SSE | 8     | S   | 80  | 2  | 4   | 4  | 4  | F   | F   | F   | F   |  |
| 5    | 272       | 281 | 273 | 275 | 3443     | S1          | 8               | 9  | 8  | 3         | SW  | 4   | SW  | 3   | S   | 5     | S   | 38  | 1  | 1   | 1  | 1  | F   | F   | F   | F   |  |
| 6    | 274       | 289 | 285 | 281 | 3442     | S1          | 9               | 9  | 9  | 2         | SSE | 3   | S   | 4   | S   | 4     | S   | 33  | 1  | 1   | 1  | 1  | U   | U   | U   | F   |  |
| 7    | 269       | 286 | 271 | 274 | 3447     | 0           | 8               | 8  | 7  | 6         | NW  | 8   | NW  | 12  | N   | 15    | N   | 103 | 2  | 2   | 3  | 4  | F   | F   | F   | F   |  |
| 8    | 267       | 267 | 263 | 266 | 3405     | S1          | 7               | 5  | 7  | 14        | SE  | 12  | E   | 14  | SSE | 10    | SE  | 125 | 5  | 5   | 6  | 5  | F   | F   | F   | F   |  |
| 9    | 262       | 272 | 273 | 267 | 3394     | S2          | 6               | 7  | 9  | 8         | S   | 2   | E   | 2   | E   | 3     | SE  | 36  | 2  | 1   | 1  | 1  | F   | F   | U/F | U/F |  |
| 10   | 266       | 288 | 267 | 272 | 3398     | 0           | 8               | 8  | 8  | 7         | N   | 12  | NE  | 12  | NE  | 10    | NE  | 103 | 2  | 4   | 4  | 4  | F   | F   | F   | F   |  |
| 11   | 274       | 285 | 277 | 278 | 3417     | 0           | 8               | 8  | 8  | 4         | SW  | 6   | SW  | 9   | S   | 7     | S   | 65  | 2  | 2   | 3  | 3  | F   | F   | F   | F   |  |
| 12   | 275       | 291 | 280 | 280 | 3360     | S1          | 8               | 8  | 8  | 5         | SW  | 6   | SW  | 7   | S   | 6     | S   | 60  | 2  | 3   | 3  | 3  | F   | F   | F   | F   |  |
| 13   | 279       | 284 | 289 | 283 | 3407     | 0           | 8               | 8  | 8  | 2         | SW  | 2   | S   | 2   | S   | 5     | S   | 35  | 1  | 1   | 1  | 2  | F   | F   | F   | F   |  |
| 14   | 281       | 283 | 287 | 283 | 3407     | 0           | 8               | 9  | 9  | 2         | SW  | 4   | S   | 4   | S   | 6     | S   | 45  | 1  | 1   | 2  | 2  | F   | F   | F   | F   |  |
| 15   | 279       | 278 | 284 | 280 | 3420     | 0           | 9               | 9  | 9  | 1         | SW  | 2   | S   | 2   | S   | 4     | SE  | 28  | 0  | 1   | 1  | 1  | F   | F   | F   | F   |  |
| 16   | 279       | 280 | 271 | 277 | 3417     | 0           | 8               | 8  | 8  | 1         | NE  | 2   | E   | 3   | SSE | 2     | W   | 20  | 0  | 1   | 1  | 1  | F   | F   | F   | F   |  |
| 17   | 271       | 275 | 267 | 271 | 3418     | 0           | 9               | 8  | 8  | 3         | N   | 3   | NE  | 5   | NE  | 6     | NE  | 43  | 1  | 1   | 2  | 2  | F   | F   | F   | F   |  |
| 18   | 271       | 289 | 273 | 276 | 3420     | *           | 8               | 8  | 8  | 7         | NE  | 9   | NE  | 10  | NE  | 8     | NE  | 85  | 3  | 4   | 4  | 3  | F   | F   | F   | F   |  |
| 19   | 272       | 295 | 278 | 279 | 3443     | *           | 9               | 9  | 8  | 9         | NE  | 8   | NE  | 8   | NE  | 7     | NE  | 80  | 3  | 3   | 3  | 3  | F   | F   | F   | F   |  |
| 20   | 274       | 288 | 280 | 279 | 3431     | *           | 7               | 8  | 8  | 4         | NE  | 8   | NE  | 8   | NE  | 6     | NE  | 65  | 1  | 3   | 3  | 3  | F   | F   | F   | F   |  |
| 21   | 276       | 289 | 283 | 281 | 3442     | *           | 8               | 8  | 8  | 4         | NW  | 7   | N   | 8   | NE  | 6     | NE  | 63  | 1  | 2   | 3  | 2  | F/U | F   | F   | F   |  |
| 22   | 279       | 288 | 287 | 283 | 3409     | *           | 7               | 9  | 8  | 4         | NE  | 8   | NE  | 6   | NE  | 6     | ENE | 60  | 1  | 3   | 3  | 2  | F   | F   | F   | F   |  |
| 23   | 280       | 300 | 285 | 286 | 3431     | *           | 8               | 9  | 8  | 5         | N   | 10  | NE  | 12  | NE  | 11    | NE  | 95  | 2  | 3   | 4  | 3  | F/U | F   | F   | F   |  |
| 24   | 280       | 285 | 280 | 281 | 3447     | *           | 8               | 7  | 7  | 12        | NE  | 16  | NE  | 14  | NE  | 16    | NE  | 145 | 4  | 5   | 5  | 5  | F   | F   | F   | F   |  |
| 25   | 274       | 281 | 277 | 277 | 3417     | 0           | 7               | 5  | 6  | 21        | NE  | 26  | N   | 28  | N   | 28    | NE  | 258 | 5  | 6   | 7  | 7  | F   | F   | F   | F/U |  |
| 26   | 279       | 288 | 274 | 280 | 3362     | 0           | 6               | 6  | 7  | 18        | SE  | 16  | SE  | 16  | SE  | 14    | SSE | 160 | 6  | 6   | 6  | 6  | F   | F   | F   | F   |  |
| 27   | 274       | 284 | 279 | 278 | 3417     | 0           | 6               | 6  | 7  | 14        | S   | 13  | S   | 12  | SE  | 10    | SE  | 123 | 5  | 4   | 4  | 3  | F   | F   | F   | F   |  |
| 28   | 281       | 282 | 268 | 278 | 3391     | 0           | 7               | 8  | 8  | 3         | NE  | 5   | NE  | 7   | NE  | 7     | NE  | 55  | 1  | 2   | 2  | 3  | U   | U/F | F   | F/U |  |
| 29   | 278       | 281 | 273 | 278 | 3407     | 0           | 8               | 8  | 8  | 5         | NE  | 5   | NE  | 6   | NE  | 5     | NE  | 53  | 2  | 2   | 2  | 2  | U/F | U/F | F   | F   |  |
| 30   | 273       | 281 | 274 | 275 | 3395     | 0           | 8               | 7  | 7  | 8         | NE  | 10  | NE  | 8   | NE  | 7     | NE  | 83  | 3  | 3   | 3  | 3  | F   | F   | F   | F   |  |
| 31   | 277       | 291 | 287 | 283 | 3431     | 0           | 7               | 8  | 8  | 6         | NE  | 5   | E   | 5   | E   | 4     | S   | 50  | 2  | 2   | 2  | 2  | F   | F   | F   | F   |  |
| 上月平均 | 273       | 283 | 276 | 277 | 3430     |             |                 |    |    | 61        |     | 71  |     | 76  |     | 76    |     | 71  |    |     |    |    |     |     |     |     |  |
| 中旬平均 | 276       | 285 | 279 | 279 | 3416     |             |                 |    |    | 38        |     | 50  |     | 65  |     | 57    |     | 53  |    |     |    |    |     |     |     |     |  |
| 下旬平均 | 277       | 286 | 279 | 280 | 3414     |             |                 |    |    | 91        |     | 110 |     | 111 |     | 104   |     | 104 |    |     |    |    |     |     |     |     |  |
| 月平均  | 275       | 285 | 278 | 278 | 3420     |             |                 |    |    | 64        |     | 78  |     | 85  |     | 80    |     | 77  |    |     |    |    |     |     |     |     |  |

| 日<br>期 | 风 浪 向 |     |     |     | 涌 浪 向 |    |    |    | 周 期 (秒) |    |    |    |    | 波 高 (米) |    |    |    |    | 最大波高(米) |    |    |    | 测波点水深(米) |    |    |    |  |
|--------|-------|-----|-----|-----|-------|----|----|----|---------|----|----|----|----|---------|----|----|----|----|---------|----|----|----|----------|----|----|----|--|
|        | 08    | 11  | 14  | 17  | 08    | 11 | 14 | 17 | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 08       | 11 | 14 | 17 |  |
| 1      | SW    | S   | S   | S   |       |    |    |    | 36      | 38 | 32 | 31 | 34 | 08      | 08 | 06 | 08 | 08 | 07      | 09 | 07 | 09 |          |    |    |    |  |
| 2      | SW    | SW  | S   | S   |       |    |    |    | 32      | 35 | 41 | 47 | 39 | 03      | 04 | 05 | 06 | 05 | 04      | 05 | 06 | 07 |          |    |    |    |  |
| 3      | S     | S   | SW  | SW  |       |    |    |    | 34      | 34 | 43 | 44 | 39 | 05      | 05 | 07 | 06 | 06 | 05      | 06 | 07 | 07 |          |    |    |    |  |
| 4      | S     | SSE | SSE | S   |       |    |    |    | 34      | 35 | 40 | 38 | 37 | 08      | 09 | 11 | 11 | 10 | 09      | 10 | 13 | 13 |          |    |    |    |  |
| 5      | S     | WSW | S   | S   |       |    |    |    | 31      | 31 | 30 | 31 | 31 | 03      | 04 | 04 | 04 | 04 | 04      | 04 | 04 | 04 |          |    |    |    |  |
| 6      |       |     |     | S   | S     | S  | S  |    | 57      | 40 | 53 | 21 | 43 | 06      | 05 | 04 | 03 | 05 | 08      | 06 | 05 | 04 |          |    |    |    |  |
| 7      | NE    | NE  | NE  | NE  |       |    |    |    | 24      | 30 | 40 | 53 | 37 | 03      | 04 | 05 | 08 | 05 | 04      | 05 | 06 | 09 |          |    |    |    |  |
| 8      | SE    | SE  | SSE | SSE |       |    |    |    | 48      | 47 | 61 | 46 | 51 | 20      | 20 | 24 | 23 | 22 | 24      | 22 | 26 | 26 |          |    |    |    |  |
| 9      | SE    | SE  | SE  | SE  | S     | S  |    |    | 45      | 33 | 42 | 31 | 38 | 07      | 05 | 04 | 04 | 05 | 08      | 05 | 05 | 05 |          |    |    |    |  |
| 10     | NE    | NE  | NE  | NE  |       |    |    |    | 22      | 24 | 25 | 23 | 24 | 03      | 04 | 04 | 03 | 04 | 04      | 05 | 05 | 04 |          |    |    |    |  |
| 11     | S     | S   | SSW | S   |       |    |    |    | 22      | 28 | 37 | 30 | 29 | 03      | 05 | 07 | 04 | 05 | 04      | 06 | 08 | 04 |          |    |    |    |  |
| 12     | S     | S   | S   | S   |       |    |    |    | 22      | 27 | 30 | 30 | 27 | 05      | 05 | 06 | 06 | 06 | 06      | 06 | 07 | 07 |          |    |    |    |  |
| 13     | S     | S   | S   | S   |       |    |    |    | 19      | 20 | 34 | 37 | 28 | 03      | 03 | 05 | 05 | 04 | 03      | 04 | 06 | 06 |          |    |    |    |  |
| 14     | S     | S   | S   | S   |       |    |    |    | 34      | 25 | 23 | 22 | 26 | 03      | 02 | 03 | 03 | 03 | 04      | 03 | 04 |    |          |    |    |    |  |
| 15     |       |     | SE  | SE  |       |    |    |    | 00      | 00 | 14 | 17 | 08 | 00      | 00 | 01 | 02 | 01 | 00      | 00 | 02 | 03 |          |    |    |    |  |
| 16     |       |     | E   |     |       |    |    |    | 00      | 00 | 18 | 00 | 05 | 00      | 00 | 02 | 00 | 01 | 00      | 00 | 03 | 00 |          |    |    |    |  |
| 17     | NE    | NE  | NE  | NE  |       |    |    |    | 18      | 19 | 22 | 27 | 22 | 02      | 03 | 04 | 04 | 03 | 03      | 03 | 04 | 05 |          |    |    |    |  |
| 18     | NE    | NE  | NE  | NE  |       |    |    |    | 21      | 18 | 20 | 23 | 21 | 03      | 03 | 03 | 06 | 04 | 04      | 03 | 04 | 06 |          |    |    |    |  |
| 19     | NE    | NE  | NE  | ENE |       |    |    |    | 33      | 35 | 34 | 32 | 34 | 04      | 05 | 05 | 04 | 05 | 05      | 06 | 05 | 05 |          |    |    |    |  |
| 20     | NE    | NE  | NE  | NE  |       |    |    |    | 22      | 21 | 23 | 22 | 22 | 02      | 03 | 03 | 03 | 03 | 03      | 04 | 04 | 04 |          |    |    |    |  |
| 21     | NE    | NE  | NE  | NE  | SSE   |    |    |    | 27      | 33 | 30 | 31 | 30 | 03      | 04 | 03 | 04 | 04 | 04      | 04 | 04 | 04 |          |    |    |    |  |
| 22     | NE    | NE  | NE  | NE  |       |    |    |    | 22      | 23 | 20 | 25 | 23 | 02      | 03 | 02 | 04 | 03 | 03      | 04 | 03 | 05 |          |    |    |    |  |
| 23     | NE    | NE  | NE  | NE  | E     |    |    |    | 29      | 35 | 36 | 34 | 34 | 03      | 04 | 05 | 04 | 04 | 04      | 05 | 06 | 05 |          |    |    |    |  |
| 24     | NE    | NE  | NE  | NE  |       |    |    |    | 34      | 30 | 29 | 25 | 30 | 07      | 08 | 08 | 07 | 08 | 08      | 09 | 09 | 08 |          |    |    |    |  |
| 25     | ENE   | NE  | NE  | ENE | E     | E  |    |    | 50      | 63 | 65 | 69 | 62 | 09      | 10 | 12 | 13 | 11 | 10      | 12 | 13 | 14 |          |    |    |    |  |
| 26     | SE    | SSE | SSE | SSE |       |    |    |    | 46      | 53 | 52 | 57 | 52 | 27      | 32 | 33 | 32 | 31 | 31      | 34 | 35 | 34 |          |    |    |    |  |
| 27     | ESE   | ESE | ESE | ESE |       |    |    |    | 64      | 58 | 45 | 45 | 53 | 19      | 17 | 13 | 12 | 15 | 20      | 18 | 14 | 13 |          |    |    |    |  |
| 28     | NE    | NE  | NE  | NE  | S     | S  | S  | S  | 64      | 52 | 26 | 28 | 43 | 07      | 05 | 04 | 04 | 05 | 08      | 06 | 04 | 05 |          |    |    |    |  |
| 29     | NE    | ENE | NE  | NE  | SE    | S  |    |    | 48      | 41 | 33 | 34 | 39 | 05      | 04 | 04 | 04 | 04 | 06      | 05 | 05 | 04 |          |    |    |    |  |
| 30     | NE    | NE  | NE  | NE  |       |    |    |    | 31      | 26 | 23 | 32 | 28 | 03      | 03 | 03 | 05 | 04 | 04      | 03 | 03 | 06 |          |    |    |    |  |
| 31     | NE    | ENE | ENE | SSE |       |    |    |    | 31      | 32 | 28 | 30 | 30 | 03      | 03 | 03 | 04 | 03 | 04      | 04 | 04 | 04 |          |    |    |    |  |
| 上旬平均   |       |     |     |     |       |    |    |    | 36      | 35 | 41 | 37 | 37 | 07      | 07 | 07 | 08 | 07 |         |    |    |    |          |    |    |    |  |
| 中旬平均   |       |     |     |     |       |    |    |    | 19      | 19 | 26 | 24 | 22 | 03      | 03 | 04 | 04 | 03 |         |    |    |    |          |    |    |    |  |
| 下旬平均   |       |     |     |     |       |    |    |    | 41      | 41 | 35 | 37 | 39 | 08      | 08 | 08 | 08 | 08 |         |    |    |    |          |    |    |    |  |
| 月平均    |       |     |     |     |       |    |    |    | 32      | 32 | 34 | 32 | 33 | 06      | 06 | 07 | 07 | 06 |         |    |    |    |          |    |    |    |  |

# 平 海

九 月

| 日期   | 表层水温(℃) |     |     |     | 表层盐度(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    | 风 速(米/秒) |    |    |    |    |    | 风 向 |    |     |    |    | 海 况(级) |    |     |     | 波 型 |    |   |   |     |   |
|------|---------|-----|-----|-----|---------|-------------|-----------------|----|----|----------|----|----|----|----|----|-----|----|-----|----|----|--------|----|-----|-----|-----|----|---|---|-----|---|
|      | 08      | 14  | 20  | 平均  |         |             | 08              | 14 | 20 | 08       |    | 11 |    | 14 |    | 17  |    | 平 均 | 08 | 11 | 14     | 17 | 08  | 11  | 14  | 17 |   |   |     |   |
|      |         |     |     |     | 速       | 向           |                 |    |    | 速        | 向  | 速  | 向  | 速  | 向  |     |    |     |    |    |        |    |     |     |     |    |   |   |     |   |
| 1    | 289     | 292 | 288 | 290 | 3407    | 0           | 8               | 8  | 8  | 2        | NE | 3  | E  | 2  | S  | 4   | E  | 28  | 1  | 1  | 1      | 1  | U   | U   | U   | F  | F | F | F   |   |
| 2    | 288     | 304 | 293 | 293 | 3396    | 0           | 8               | 9  | 9  | 2        | NE | 2  | E  | 4  | E  | 4   | S  | 30  | 1  | 1  | 1      | 2  | U/F | U   | U   | F  | F | F | F   |   |
| 3    | 295     | 308 | 298 | 299 | 3365    | S1          | 9               | 9  | 8  | 2        | SW | 2  | S  | 4  | S  | 6   | S  | 35  | 1  | 1  | 1      | 3  | F   | F   | F   | F  | F | F | F   |   |
| 4    | 293     | 301 | 291 | 295 | 3391    | 0           | 9               | 8  | 8  | 7        | SW | 7  | S  | 8  | S  | 8   | S  | 75  | 3  | 3  | 3      | 3  | F   | F   | F   | F  | F | F | F   |   |
| 5    | 291     | 304 | 291 | 294 | 3377    | S1          | 7               | 8  | 7  | 3        | S  | 2  | S  | 3  | SE | 2   | SE | 25  | 1  | 1  | 1      | 1  | F   | F   | F   | F  | F | F | F   |   |
| 6    | 285     | 287 | 283 | 285 | 3379    | 0           | 7               | 8  | 8  | 2        | N  | 2  | W  | 2  | S  | 2   | NE | 20  | 1  | 1  | 1      | 1  | F   | F   | F   | F  | F | F | F/U |   |
| 7    | 264     | 280 | 274 | 271 | 3402    | 0           | 8               | 8  | 8  | 6        | NE | 10 | NE | 12 | NE | 12  | NE | 100 | 2  | 3  | 4      | 4  | F   | F   | F   | F  | F | F | F/U |   |
| 8    | 275     | 294 | 278 | 281 | 3407    | 0           | 8               | 8  | 7  | 8        | NE | 7  | NE | 10 | NE | 9   | NE | 85  | 2  | 2  | 3      | 3  | F   | F   | F   | F  | F | F | F/U |   |
| 9    | 276     | 279 | 276 | 277 | 3394    | S1          | 7               | 8  | 7  | 4        | N  | 6  | NE | 2  | E  | 1   | SE | 33  | 1  | 1  | 1      | 1  | U/F | U/F | U   | U  | U | U | U   |   |
| 10   | 276     | 279 | 275 | 277 | 3379    | 0           | 7               | 7  | 7  | 5        | NE | 3  | E  | 3  | NE | 2   | SE | 33  | 2  | 2  | 2      | 1  | U/F | U/F | U/F | U  | U | U | U   |   |
| 11   | 278     | 283 | 267 | 277 | 3364    | S1          | 8               | 8  | 7  | 6        | NE | 8  | NE | 10 | NE | 10  | NE | 85  | 2  | 3  | 3      | 3  | U/F | U/F | U/F | F  | F | F | F/U |   |
| 12   | 264     | 267 | 271 | 267 | 3414    | 0           | 2               | 2  | 6  | 32       | N  | 36 | NE | 36 | E  | 30  | E  | 335 | 6  | 8  | 8      | 7  | U/F | U/F | U/F | F  | F | F | F/U |   |
| 13   | 271     | 278 | 274 | 274 | 3313    | 0           | 7               | 8  | 8  | 6        | SE | 6  | SE | 6  | S  | 6   | S  | 60  | 3  | 3  | 3      | 3  | F   | F   | F   | F  | F | F | F/U |   |
| 14   | 274     | 279 | 274 | 275 | 3368    | *           | 8               | 8  | 8  | 2        | SW | 2  | SW | 4  | E  | 4   | S  | 30  | 2  | 1  | 1      | 2  | F   | F   | F   | F  | F | F | F/U |   |
| 15   | 283     | 288 | 277 | 283 | 3337    | S1          | 7               | 9  | 8  | 1        | W  | 2  | SE | 2  | SE | 1   | S  | 15  | 0  | 1  | 1      | 1  | F   | F   | F   | F  | F | F | F/U |   |
| 16   | 268     | 274 | 265 | 269 | 3351    | 0           | 8               | 8  | 8  | 8        | NE | 12 | NE | 10 | NE | 10  | NE | 100 | 3  | 4  | 4      | 3  | F/U | F   | F   | F  | F | F | F   | F |
| 17   | 260     | 267 | 254 | 260 | 3360    | *           | 8               | 7  | 7  | 10       | NE | 12 | NE | 12 | NE | 10  | NE | 110 | 3  | 4  | 4      | 3  | F   | F   | F   | F  | F | F | F   |   |
| 18   | 255     | 263 | 256 | 257 | 3349    | *           | 8               | 7  | 7  | 12       | NE | 14 | NE | 14 | NE | 12  | NE | 130 | 3  | 4  | 4      | 4  | F   | F   | F   | F  | F | F | F   |   |
| 19   | 253     | 274 | 261 | 260 | 3289    | *           | 5               | 9  | 9  | 4        | NE | 2  | NW | 2  | N  | 1   | NE | 23  | 1  | 1  | 1      | 1  | F   | F   | F   | F  | F | F | F   |   |
| 20   | 263     | 265 | 264 | 264 | 3239    | *           | 7               | 8  | 8  | 0        | C  | 1  | NE | 2  | S  | 2   | S  | 13  | 0  | 0  | 1      | 1  | F   | F   | F   | F  | F | F | F   |   |
| 21   | 263     | 276 | 269 | 268 | 3284    | *           | 8               | 9  | 9  | 1        | NE | 2  | NE | 2  | E  | 4   | NE | 23  | 1  | 1  | 1      | 2  | U   | U   | U   | U  | U | U | U   |   |
| 22   | 267     | 279 | 269 | 271 | 3289    | *           | 8               | 8  | 8  | 4        | N  | 7  | NE | 12 | NE | 10  | NE | 83  | 1  | 2  | 3      | 3  | F   | F   | F   | F  | F | F | F   |   |
| 23   | 265     | 279 | 272 | 270 | 3358    | *           | 8               | 8  | 8  | 8        | N  | 9  | E  | 9  | E  | 5   | S  | 78  | 2  | 3  | 3      | 2  | F   | F   | F   | F  | F | F | F   |   |
| 24   | 271     | 282 | 276 | 275 | 3271    | *           | 7               | 8  | 7  | 1        | N  | 2  | E  | 2  | E  | 2   | S  | 18  | 1  | 1  | 1      | 1  | U/F | F   | F   | F  | F | F | F   |   |
| 25   | 275     | 288 | 279 | 279 | 3412    | 0           | 8               | 9  | 8  | 2        | W  | 3  | SW | 4  | SW | 6   | S  | 38  | 1  | 2  | 2      | 3  | U/F | F   | F   | F  | F | F | F   |   |
| 26   | 278     | 286 | 272 | 279 | 3292    | 0           | 9               | 9  | 8  | 1        | NE | 2  | NE | 4  | NE | 1   | NE | 20  | 1  | 1  | 2      | 1  | U   | U   | U   | U  | U | U | U   |   |
| 27   | 263     | 282 | 251 | 265 | 3323    | 0           | 9               | 8  | 8  | 6        | NE | 8  | NE | 10 | NE | 10  | NE | 85  | 2  | 3  | 3      | 4  | F   | F   | F   | F  | F | F | F   |   |
| 28   | 259     | 272 | 265 | 264 | 3308    | 0           | 5               | 4  | 4  | 20       | NE | 24 | NE | 26 | NE | 28  | NE | 245 | 4  | 5  | 6      | 6  | F   | F   | F   | F  | F | F | F/U |   |
| 29   | 272     | 272 | 265 | 270 | 3336    | 0           | 5               | 5  | 7  | 8        | NE | 10 | NE | 8  | NE | 10  | NE | 90  | 3  | 3  | 3      | 4  | U   | U   | U   | U  | U | U | U   |   |
| 30   | 268     | 274 | 269 | 270 | 3254    | 0           | 7               | 7  | 7  | 8        | NE | 12 | NE | 12 | NE | 12  | NE | 110 | 3  | 4  | 3      | 3  | F/U | F   | F   | F  | F | F | F   |   |
| 31   |         |     |     |     |         |             |                 |    |    |          |    |    |    |    |    |     |    |     |    |    |        |    |     |     |     |    |   |   |     |   |
| 上旬平均 | 283     | 293 | 285 | 286 | 3390    |             |                 |    |    | 41       |    | 44 |    | 50 |    | 50  |    | 46  |    |    |        |    |     |     |     |    |   |   |     |   |
| 中旬平均 | 267     | 274 | 266 | 269 | 3338    |             |                 |    |    | 81       |    | 95 |    | 98 |    | 86  |    | 90  |    |    |        |    |     |     |     |    |   |   |     |   |
| 下旬平均 | 268     | 279 | 269 | 271 | 3313    |             |                 |    |    | 59       |    | 79 |    | 89 |    | 88  |    | 79  |    |    |        |    |     |     |     |    |   |   |     |   |
| 月平均  | 273     | 282 | 273 | 275 | 3347    |             |                 |    |    | 60       |    | 73 |    | 79 |    | 75  |    | 72  |    |    |        |    |     |     |     |    |   |   |     |   |

| 日期   | 风 浪 向 |     |     |     | 涌 浪 向 |    |     |     | 周 期 (秒) |    |     |     |     | 波 高 (米) |    |    |    |    | 最大波高(米) |    |    |    | 测波点水深(米) |    |    |    |  |
|------|-------|-----|-----|-----|-------|----|-----|-----|---------|----|-----|-----|-----|---------|----|----|----|----|---------|----|----|----|----------|----|----|----|--|
|      | 08    | 11  | 14  | 17  | 08    | 11 | 14  | 17  | 08      | 11 | 14  | 17  | 平均  | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 08       | 11 | 14 | 17 |  |
| 1    |       |     |     | E   | S     | S  | S   |     | 48      | 42 | 41  | 22  | 38  | 04      | 04 | 04 | 03 | 04 | 05      | 05 | 04 | 03 |          |    |    |    |  |
| 2    | NE    |     | NE  | SE  | S     | S  | S   |     | 51      | 44 | 45  | 40  | 45  | 04      | 03 | 04 | 04 | 04 | 05      | 04 | 05 | 05 |          |    |    |    |  |
| 3    | SSW   | S   |     | SSW |       |    |     |     | 18      | 11 | 24  | 32  | 21  | 01      | 01 | 03 | 05 | 03 | 02      | 02 | 04 | 06 |          |    |    |    |  |
| 4    | S     | S   | S   | S   |       |    |     |     | 36      | 40 | 41  | 36  | 38  | 05      | 06 | 06 | 07 | 06 | 06      | 07 | 07 | 08 |          |    |    |    |  |
| 5    | S     | S   | S   | S   |       |    |     |     | 29      | 25 | 28  | 24  | 27  | 03      | 02 | 02 | 02 | 02 | 04      | 03 | 03 | 03 |          |    |    |    |  |
| 6    | NNE   | W   | SSW | NNE |       |    |     | SSW | 20      | 21 | 21  | 32  | 24  | 02      | 02 | 02 | 03 | 02 | 03      | 03 | 03 | 04 |          |    |    |    |  |
| 7    | ENE   | NE  | NE  | NE  |       |    |     |     | 21      | 24 | 29  | 27  | 25  | 02      | 03 | 04 | 03 | 03 | 03      | 04 | 05 | 04 |          |    |    |    |  |
| 8    | NE    | NE  | NE  | NE  |       |    |     | SE  | 30      | 29 | 36  | 34  | 32  | 04      | 03 | 05 | 05 | 04 | 05      | 04 | 05 | 06 |          |    |    |    |  |
| 9    | N     | NE  |     |     | S     | S  | S   | S   | 50      | 49 | 59  | 56  | 54  | 04      | 04 | 06 | 05 | 05 | 05      | 05 | 07 | 06 |          |    |    |    |  |
| 10   | NE    | NE  | NE  | SSE | S     | S  | S   | S   | 59      | 61 | 50  | 45  | 54  | 05      | 05 | 05 | 04 | 05 | 06      | 06 | 05 | 05 |          |    |    |    |  |
| 11   | NE    | NE  | NE  | NE  | S     | S  |     | S   | 57      | 52 | 33  | 39  | 45  | 06      | 06 | 04 | 04 | 05 | 07      | 07 | 05 | 05 |          |    |    |    |  |
| 12   | N     | NNE | E   | E   | E     | E  | SE  | SE  | 80      | 93 | 178 | 204 | 139 | 16      | 35 | 68 | 67 | 47 | 17      | 36 | 75 | 70 |          |    |    |    |  |
| 13   | S     | S   | S   | S   |       |    |     |     | 43      | 48 | 46  | 49  | 47  | 07      | 07 | 07 | 07 | 07 | 08      | 08 | 08 | 08 |          |    |    |    |  |
| 14   | SW    |     | E   | SE  |       |    |     | SSE | 39      | 32 | 20  | 23  | 29  | 04      | 03 | 02 | 03 | 03 | 05      | 04 | 03 | 04 |          |    |    |    |  |
| 15   |       |     | SE  | S   |       |    |     |     | 00      | 00 | 23  | 22  | 11  | 00      | 00 | 03 | 02 | 01 | 00      | 00 | 03 | 03 |          |    |    |    |  |
| 16   | NE    | NE  | NE  | NE  | S     |    |     |     | 31      | 34 | 28  | 31  | 31  | 04      | 04 | 04 | 06 | 05 | 05      | 05 | 05 | 07 |          |    |    |    |  |
| 17   | NE    | NE  | NE  | NE  |       |    |     |     | 35      | 30 | 30  | 28  | 31  | 04      | 04 | 04 | 05 | 04 | 05      | 04 | 05 | 06 |          |    |    |    |  |
| 18   | NE    | NE  | NE  | NE  |       |    |     |     | 33      | 33 | 34  | 33  | 33  | 04      | 05 | 05 | 05 | 05 | 05      | 06 | 06 | 06 |          |    |    |    |  |
| 19   | NE    |     |     |     |       |    |     |     | 28      | 00 | 00  | 00  | 07  | 02      | 00 | 00 | 00 | 01 | 03      | 00 | 00 | 00 |          |    |    |    |  |
| 20   |       |     | S   | S   |       |    |     |     | 00      | 00 | 31  | 28  | 15  | 00      | 00 | 02 | 03 | 01 | 00      | 00 | 03 | 03 |          |    |    |    |  |
| 21   |       | NE  | E   | NE  | S     | S  | S   |     | 53      | 51 | 56  | 25  | 46  | 05      | 04 | 04 | 03 | 04 | 05      | 05 | 05 | 04 |          |    |    |    |  |
| 22   | N     | NE  | NE  | NE  |       |    |     |     | 16      | 25 | 28  | 25  | 24  | 01      | 04 | 04 | 04 | 03 | 02      | 05 | 05 | 05 |          |    |    |    |  |
| 23   | N     | NE  | NE  | NE  |       |    |     |     | 28      | 32 | 32  | 28  | 30  | 03      | 04 | 04 | 03 | 04 | 04      | 05 | 05 | 04 |          |    |    |    |  |
| 24   | N     |     |     | S   | S     |    |     |     | 54      | 00 | 00  | 12  | 17  | 03      | 00 | 00 | 01 | 01 | 04      | 00 | 00 | 01 |          |    |    |    |  |
| 25   | W     | SW  | SW  | S   | S     |    |     |     | 56      | 26 | 27  | 38  | 37  | 04      | 03 | 04 | 05 | 04 | 05      | 04 | 05 | 05 |          |    |    |    |  |
| 26   |       |     | NE  |     | S     | S  | S   | S   | 45      | 35 | 24  | 53  | 39  | 04      | 04 | 03 | 03 | 04 | 05      | 04 | 03 | 04 |          |    |    |    |  |
| 27   | ENE   | ENE | NE  | NE  |       |    |     |     | 26      | 23 | 35  | 31  | 29  | 03      | 03 | 05 | 05 | 04 | 04      | 03 | 06 | 06 |          |    |    |    |  |
| 28   | NE    | NE  | NE  | NE  |       |    | ESE | SE  | 46      | 38 | 77  | 67  | 57  | 06      | 07 | 14 | 13 | 10 | 07      | 08 | 15 | 14 |          |    |    |    |  |
| 29   |       |     | NE  | ENE | S     | S  |     | S   | 54      | 60 | 51  | 42  | 52  | 11      | 11 | 11 | 10 | 11 | 12      | 13 | 12 | 11 |          |    |    |    |  |
| 30   | NE    | NE  | NE  | NE  | SE    |    |     |     | 41      | 33 | 34  | 35  | 36  | 07      | 06 | 05 | 06 | 06 | 08      | 07 | 06 | 07 |          |    |    |    |  |
| 31   |       |     |     |     |       |    |     |     |         |    |     |     |     |         |    |    |    |    |         |    |    |    |          |    |    |    |  |
| 上旬平均 |       |     |     |     |       |    |     |     | 36      | 35 | 37  | 35  | 36  | 03      | 03 | 04 | 04 | 04 |         |    |    |    |          |    |    |    |  |
| 中旬平均 |       |     |     |     |       |    |     |     | 35      | 32 | 42  | 46  | 38  | 05      | 06 | 10 | 10 | 08 |         |    |    |    |          |    |    |    |  |
| 下旬平均 |       |     |     |     |       |    |     |     | 42      | 36 | 40  | 36  | 39  | 05      | 05 | 06 | 05 | 06 |         |    |    |    |          |    |    |    |  |
| 月平均  |       |     |     |     |       |    |     |     | 38      | 33 | 39  | 39  | 37  | 04      | 05 | 06 | 07 | 06 |         |    |    |    |          |    |    |    |  |

# 平 海

十 月

| 日<br>期 | 表层 水温 (°C) |     |     |     | 表层<br>盐度<br>(‰) | 海发光<br>类型和级 | 海面能见度<br>(千米或级) |    |    | 风 速 (米/秒) |     |     |    |     |    |    |     | 风 向    |    | 海 况(级) |    |    |    | 波 型 |    |    |   |  |
|--------|------------|-----|-----|-----|-----------------|-------------|-----------------|----|----|-----------|-----|-----|----|-----|----|----|-----|--------|----|--------|----|----|----|-----|----|----|---|--|
|        | 08         | 14  | 20  | 平均  |                 |             | 08              | 14 | 20 | 08        |     | 11  |    | 14  |    | 17 |     | 平<br>均 | 08 | 11     | 14 | 17 | 08 | 11  | 14 | 17 |   |  |
|        |            |     |     |     | 速               | 向           |                 |    |    | 速         | 向   | 速   | 向  | 速   | 向  | 速  | 向   |        |    |        |    |    |    |     |    |    |   |  |
| 1      | 265        | 274 | 259 | 266 | 3229            | 0           | 8               | 8  | 8  | 12        | NE  | 12  | NE | 10  | NE | 10 | NE  | 110    | 3  | 4      | 3  | 3  | F  | F   | F  | F  | F |  |
| 2      | 257        | 267 | 259 | 260 | 3229            | 0           | 9               | 8  | 8  | 12        | NE  | 14  | NE | 14  | NE | 10 | NE  | 125    | 3  | 4      | 4  | 3  | F  | F   | F  | F  | F |  |
| 3      | 259        | 276 | 265 | 265 | 3192            | 0           | 8               | 8  | 7  | 2         | W   | 4   | W  | 5   | SW | 4  | W   | 38     | 1  | 1      | 2  | 2  | U  | U   | U  | U  | U |  |
| 4      | 264        | 274 | 266 | 267 | 3234            | 0           | 7               | 8  | 7  | 2         | W   | 7   | SW | 8   | SW | 5  | SW  | 55     | 1  | 3      | 3  | 2  | F  | F   | F  | F  | F |  |
| 5      | 263        | 270 | 264 | 265 | 3274            | S1          | 7               | 9  | 8  | 2         | SW  | 2   | SW | 2   | S  | 2  | S   | 20     | 1  | 1      | 1  | 1  | F  | F   | F  | F  | F |  |
| 6      | 260        | 270 | 255 | 261 | 3299            | 0           | 8               | 9  | 8  | 2         | NW  | 4   | N  | 6   | NE | 8  | NE  | 50     | 1  | 1      | 2  | 3  | F  | F   | F  | F  | F |  |
| 7      | 246        | 255 | 242 | 247 | 3283            | 0           | 8               | 8  | 8  | 12        | NE  | 14  | NE | 14  | NE | 12 | NE  | 130    | 4  | 4      | 4  | 4  | F  | F   | F  | F  | F |  |
| 8      | 243        | 255 | 238 | 245 | 3289            | 0           | 8               | 9  | 8  | 8         | NE  | 10  | NE | 12  | NE | 14 | NE  | 110    | 2  | 3      | 4  | 4  | F  | F   | F  | F  | F |  |
| 9      | 234        | 254 | 233 | 239 | 3254            | 0           | 8               | 8  | 8  | 10        | NE  | 12  | NE | 12  | NE | 10 | NE  | 110    | 3  | 4      | 4  | 4  | F  | F   | F  | F  | F |  |
| 10     | 234        | 242 | 234 | 236 | 3286            | 0           | 8               | 7  | 7  | 10        | NE  | 12  | NE | 12  | NE | 14 | NE  | 120    | 3  | 3      | 3  | 4  | F  | F   | F  | F  | F |  |
| 11     | 222        | 239 | 210 | 223 | 3275            | 0           | 8               | 7  | 7  | 10        | NE  | 14  | NE | 17  | NE | 14 | NE  | 138    | 4  | 4      | 5  | 4  | F  | F   | F  | F  | F |  |
| 12     | 222        | 235 | 224 | 226 | 3260            | 0           | 8               | 7  | 7  | 14        | NE  | 18  | NE | 17  | NE | 16 | NE  | 163    | 4  | 5      | 5  | 5  | F  | F   | F  | F  | F |  |
| 13     | 210        | 230 | 215 | 216 | 3231            | 0           | 8               | 7  | 7  | 14        | NE  | 17  | NE | 17  | NE | 14 | NE  | 155    | 4  | 5      | 6  | 4  | F  | F   | F  | F  | F |  |
| 14     | 212        | 230 | 213 | 217 | 3216            | *           | 8               | 8  | 8  | 12        | NE  | 16  | NE | 16  | NE | 12 | NE  | 140    | 4  | 4      | 4  | 3  | F  | F   | F  | F  | F |  |
| 15     | 217        | 225 | 224 | 221 | 3234            | *           | 8               | 7  | 8  | 10        | NE  | 12  | NE | 12  | NE | 8  | NE  | 105    | 3  | 4      | 4  | 3  | F  | F   | F  | F  | F |  |
| 16     | 224        | 239 | 229 | 229 | 3223            | 0           | 8               | 7  | 8  | 6         | NE  | 9   | NE | 8   | NE | 6  | NE  | 73     | 2  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 17     | 230        | 245 | 233 | 235 | 3234            | *           | 7               | 7  | 7  | 6         | NE  | 6   | NE | 6   | NE | 5  | NE  | 58     | 2  | 2      | 2  | 2  | F  | F   | F  | F  | F |  |
| 18     | 242        | 261 | 244 | 247 | 3216            | 0           | 6               | 7  | 7  | 1         | SW  | 2   | NE | 4   | NE | 6  | NE  | 33     | 1  | 1      | 1  | 2  | F  | F   | F  | F  | F |  |
| 19     | 242        | 244 | 247 | 244 | 3209            | *           | 8               | 9  | 9  | 6         | NE  | 8   | NE | 7   | NE | 6  | NE  | 68     | 2  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 20     | 244        | 275 | 248 | 253 | 3247            | *           | 8               | 7  | 8  | 4         | NE  | 8   | NE | 8   | NE | 8  | NE  | 70     | 2  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 21     | 240        | 250 | 240 | 243 | 3204            | *           | 7               | 8  | 8  | 10        | NE  | 12  | NE | 12  | NE | 10 | NE  | 110    | 3  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 22     | 238        | 260 | 242 | 245 | 3200            | *           | 8               | 8  | 8  | 8         | NE  | 8   | NE | 10  | NE | 8  | NE  | 85     | 3  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 23     | 238        | 249 | 235 | 240 | 3194            | *           | 8               | 7  | 7  | 10        | NE  | 14  | NE | 12  | NE | 14 | NE  | 125    | 3  | 4      | 4  | 4  | F  | F   | F  | F  | F |  |
| 24     | 224        | 230 | 218 | 224 | 3169            | *           | 7               | 7  | 7  | 14        | NE  | 16  | NE | 16  | NE | 16 | NE  | 155    | 4  | 5      | 5  | 5  | F  | F   | F  | F  | F |  |
| 25     | 222        | 235 | 223 | 226 | 3175            | *           | 7               | 8  | 8  | 2         | NE  | 6   | NE | 6   | E  | 6  | NE  | 50     | 2  | 2      | 3  | 3  | U  | F   | F  | F  | F |  |
| 26     | 216        | 235 | 216 | 221 | 3190            | 0           | 9               | 9  | 9  | 6         | N   | 6   | NE | 6   | NE | 6  | ESE | 60     | 2  | 2      | 3  | 3  | U  | F   | F  | F  | F |  |
| 27     | 214        | 225 | 210 | 216 | 3194            | S1          | 9               | 9  | 8  | 4         | N   | 8   | NE | 8   | NE | 8  | E   | 70     | 2  | 3      | 3  | 3  | U  | F   | F  | F  | F |  |
| 28     | 216        | 226 | 215 | 218 | 3344            | S1          | 7               | 8  | 8  | 0         | C   | 4   | NE | 4   | E  | 6  | E   | 35     | 0  | 2      | 2  | 2  | U  | F   | F  | F  | F |  |
| 29     | 214        | 224 | 211 | 216 | 3169            | 0           | 7               | 7  | 7  | 6         | NNE | 6   | NE | 8   | NE | 8  | NE  | 70     | 2  | 2      | 3  | 3  | F  | F   | F  | F  | F |  |
| 30     | 215        | 224 | 216 | 218 | 3169            | 0           | 7               | 8  | 8  | 10        | NE  | 10  | NE | 10  | NE | 12 | NE  | 105    | 3  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 31     | 207        | 226 | 211 | 213 | 3182            | 0           | 7               | 7  | 7  | 8         | NE  | 10  | NE | 10  | NE | 10 | NE  | 95     | 2  | 3      | 3  | 3  | F  | F   | F  | F  | F |  |
| 上旬平均   | 253        | 264 | 252 | 255 | 3257            |             |                 |    |    | 72        |     | 91  |    | 95  |    | 89 |     | 87     |    |        |    |    |    |     |    |    |   |  |
| 中旬平均   | 227        | 242 | 229 | 231 | 3235            |             |                 |    |    | 83        |     | 110 |    | 112 |    | 95 |     | 100    |    |        |    |    |    |     |    |    |   |  |
| 下旬平均   | 222        | 235 | 222 | 225 | 3187            |             |                 |    |    | 71        |     | 91  |    | 93  |    | 95 |     | 87     |    |        |    |    |    |     |    |    |   |  |
| 月平均    | 233        | 247 | 234 | 237 | 3225            |             |                 |    |    | 75        |     | 97  |    | 100 |    | 93 |     | 91     |    |        |    |    |    |     |    |    |   |  |

| 日<br>期 | 风 浪 向 |     |     |     | 涌 浪 向           |    |    |    | 周 期 (秒) |    |    |    |    | 波 高 (米) |    |    |    |    | 最大波高(米) |    |    |    | 测波点水深(米) |    |    |    |
|--------|-------|-----|-----|-----|-----------------|----|----|----|---------|----|----|----|----|---------|----|----|----|----|---------|----|----|----|----------|----|----|----|
|        | 08    | 11  | 14  | 17  | 08              | 11 | 14 | 17 | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 平均 | 08      | 11 | 14 | 17 | 08       | 11 | 14 | 17 |
| 1      | NE    | NE  | ENE | ENE | ESE ESE ESE ESE |    |    |    | 45      | 45 | 38 | 32 | 40 | 06      | 07 | 05 | 06 | 06 | 07      | 07 | 06 | 07 |          |    |    |    |
| 2      | NE    | NE  | NE  | NE  |                 |    |    |    | 36      | 37 | 36 | 32 | 35 | 06      | 07 | 06 | 05 | 06 | 07      | 08 | 07 | 06 |          |    |    |    |
| 3      |       |     | SW  | SW  |                 |    |    |    | 83      | 57 | 63 | 75 | 70 | 08      | 05 | 06 | 06 | 06 | 10      | 06 | 07 | 07 |          |    |    |    |
| 4      | W     | SW  | SW  | SW  |                 |    |    |    | 22      | 33 | 34 | 32 | 30 | 02      | 05 | 05 | 04 | 04 | 03      | 06 | 06 | 05 |          |    |    |    |
| 5      | S     | S   | S   | S   |                 |    |    |    | 42      | 32 | 27 | 27 | 32 | 04      | 03 | 02 | 02 | 03 | 05      | 03 | 03 | 03 |          |    |    |    |
| 6      | NW    | N   | NE  | NE  |                 |    |    | 14 | 17      | 26 | 34 | 23 | 01 | 02      | 03 | 04 | 03 | 02 | 02      | 04 | 05 |    |          |    |    |    |
| 7      | ENE   | ENE | NE  | NE  |                 |    |    | 45 | 41      | 35 | 37 | 40 | 08 | 08      | 07 | 08 | 08 | 09 | 09      | 08 | 08 |    |          |    |    |    |
| 8      | NE    | NE  | NE  | NE  |                 |    |    | 32 | 37      | 38 | 41 | 37 | 05 | 06      | 06 | 07 | 06 | 06 | 07      | 07 | 08 |    |          |    |    |    |
| 9      | ENE   | ENE | ENE | ENE |                 |    |    | 41 | 29      | 31 | 34 | 34 | 08 | 06      | 06 | 08 | 07 | 08 | 07      | 07 | 09 |    |          |    |    |    |
| 10     | NE    | NE  | NE  | NE  |                 |    |    | 39 | 38      | 39 | 40 | 39 | 05 | 06      | 06 | 07 | 06 | 06 | 07      | 07 | 08 |    |          |    |    |    |
| 11     | ENE   | ENE | ENE | ENE |                 |    |    | 36 | 35      | 44 | 44 | 40 | 06 | 08      | 10 | 11 | 09 | 07 | 09      | 11 | 12 |    |          |    |    |    |
| 12     | NE    | NE  | NE  | NE  |                 |    |    | 40 | 52      | 51 | 44 | 47 | 06 | 11      | 11 | 12 | 10 | 07 | 12      | 12 | 13 |    |          |    |    |    |
| 13     | NE    | NE  | NE  | NE  |                 |    |    | 35 | 40      | 39 | 42 | 39 | 06 | 09      | 11 | 11 | 09 | 07 | 10      | 13 | 12 |    |          |    |    |    |
| 14     | NE    | NE  | NE  | NE  |                 |    |    | 38 | 33      | 42 | 32 | 36 | 08 | 07      | 09 | 07 | 08 | 10 | 08      | 10 | 08 |    |          |    |    |    |
| 15     | NE    | NE  | NE  | NE  |                 |    |    | 28 | 26      | 25 | 33 | 28 | 03 | 03      | 04 | 05 | 04 | 04 | 04      | 05 | 06 |    |          |    |    |    |
| 16     | NE    | NE  | NE  | NE  |                 |    |    | 21 | 25      | 19 | 27 | 23 | 03 | 03      | 02 | 04 | 03 | 03 | 04      | 03 | 05 |    |          |    |    |    |
| 17     | NE    | NE  | NE  | NE  |                 |    |    | 21 | 25      | 27 | 25 | 25 | 03 | 03      | 03 | 03 | 03 | 03 | 04      | 04 | 04 |    |          |    |    |    |
| 18     | SW    | NE  | NE  | NE  |                 |    |    | 13 | 11      | 16 | 23 | 16 | 01 | 01      | 01 | 03 | 02 | 01 | 02      | 02 | 03 |    |          |    |    |    |
| 19     | NE    | NE  | NE  | NE  |                 |    |    | 23 | 29      | 28 | 26 | 27 | 03 | 04      | 03 | 03 | 03 | 04 | 04      | 04 | 04 |    |          |    |    |    |
| 20     | NE    | NE  | NE  | NE  |                 |    |    | 18 | 25      | 26 | 25 | 24 | 02 | 03      | 03 | 03 | 03 | 03 | 03      | 04 | 04 |    |          |    |    |    |
| 21     | NE    | NE  | NE  | NE  |                 |    |    | 30 | 31      | 31 | 30 | 31 | 04 | 05      | 04 | 04 | 04 | 05 | 06      | 05 | 05 |    |          |    |    |    |
| 22     | NE    | NE  | NE  | NE  |                 |    |    | 32 | 34      | 33 | 25 | 31 | 03 | 04      | 04 | 03 | 04 | 05 | 05      | 04 | 04 |    |          |    |    |    |
| 23     | NE    | NE  | NE  | NE  |                 |    |    | 32 | 34      | 37 | 37 | 35 | 04 | 05      | 05 | 06 | 05 | 05 | 06      | 06 | 06 |    |          |    |    |    |
| 24     | NE    | NE  | NE  | NE  |                 |    |    | 30 | 35      | 39 | 32 | 34 | 05 | 08      | 10 | 07 | 08 | 07 | 10      | 12 | 08 |    |          |    |    |    |
| 25     | NE    | NE  | E   | NE  | E               | E  |    | 28 | 31      | 30 | 30 | 30 | 03 | 03      | 04 | 04 | 04 | 03 | 04      | 05 | 05 |    |          |    |    |    |
| 26     | N     | NE  | NE  | NE  | E               | E  |    | 43 | 24      | 30 | 29 | 32 | 04 | 03      | 04 | 04 | 04 | 05 | 04      | 05 | 04 |    |          |    |    |    |
| 27     | N     | NE  | NE  | NE  | ESE             | E  |    | 38 | 31      | 32 | 31 | 33 | 04 | 04      | 04 | 05 | 04 | 05 | 05      | 05 | 06 |    |          |    |    |    |
| 28     |       | NE  | E   | E   |                 |    |    | 34 | 27      | 28 | 29 | 30 | 03 | 03      | 03 | 04 | 03 | 04 | 04      | 04 | 04 |    |          |    |    |    |
| 29     | ENE   | ENE | ENE | ENE |                 |    |    | 43 | 31      | 42 | 39 | 39 | 04 | 04      | 05 | 07 | 05 | 05 | 05      | 06 | 08 |    |          |    |    |    |
| 30     | NE    | NE  | NE  | NE  |                 |    |    | 30 | 28      | 29 | 31 | 30 | 05 | 05      | 05 | 06 | 05 | 06 | 05      | 06 | 07 |    |          |    |    |    |
| 31     | NE    | NE  | NE  | NE  |                 |    |    | 34 | 30      | 35 | 34 | 33 | 04 | 03      | 04 | 04 | 04 | 04 | 04      | 05 | 05 |    |          |    |    |    |
| 上旬平均   |       |     |     |     |                 |    |    | 40 | 37      | 37 | 38 | 38 | 05 | 06      | 05 | 06 | 06 |    |         |    |    |    |          |    |    |    |
| 中旬平均   |       |     |     |     |                 |    |    | 27 | 30      | 32 | 31 | 04 | 05 | 05      | 06 | 06 | 05 |    |         |    |    |    |          |    |    |    |
| 下旬平均   |       |     |     |     |                 |    |    | 34 | 31      | 33 | 32 | 33 | 04 | 04      | 05 | 05 | 05 |    |         |    |    |    |          |    |    |    |
| 月平均    |       |     |     |     |                 |    |    | 34 | 32      | 34 | 34 | 33 | 04 | 05      | 05 | 06 | 05 |    |         |    |    |    |          |    |    |    |