

## 気象・海象データ 1989

定時観測を山本善万および興田喜久男両技官が毎日9時に天気、雲形、雲量、風向および風力を目視観測し、百葉箱中の最高・最低気温および乾球・湿球温度を読み取り、また実験所北浜の田辺湾に面した船着場突堤で表面海水を採取し、水温を測定。塩分を山本善万が鶴見精機KKのE2型電磁誘導方式の塩分計で測定。他の実験所職員全員は2技官による欠測をさけるべく毎日の観測を補っている。

連続測定・自記記録は気温、湿度、気圧、風向、風速および雨量について自動化されている。布施は自動観測システムの点検・調整、計器の検定等を行い、このデータをまとめた。一表について—

最大風速は研究棟屋上に設置した風車型風向・風速計による0～24時の自記記録の結果による。風速は10分毎の平均値m/secで、その時の風向を16分位で示す。5m/sec以上のNWの風は番所山のかげになってNNW～Nを示している。

降水量は実験所研究棟屋上に設置した転倒マス式雨量計による自記記録の0～24時の総雨量である。

—天気記号について—

○：快晴、雲量0～1

①：晴、雲量2～8

◎：曇、雲量9～10

●：雨

●=：にわか雨

⊗：雪

なお空欄は欠測。—は記載不要。

—1989年の集計結果について—

船着場突堤先端に設置された水温センサーは1987年10月23日に底砂に埋没したまま本年8月まで復旧せず、9月から測定可能となった。

1月、2月および10月、自記湿度計が故障したため欠測、この間定時観測時の乾湿計に

よる湿度を記載した。

年間、毎日9時の天気は、快晴89回、晴118回、曇118回、雨19回、雪1回。月別内訳表は下表。

最高気温は7月29日に33.5℃、最低気温は1月6日に0.4℃。

記録された最低相対湿度は3月10日に28%。

最大平均風速は8月27日に23.6m/s。

9時の海水温の最高は8月9日28.37℃、最低は3月10日13.38℃、海水塩分の最高は9月26日に34.890、最低は2月18日に26.743であった。

年間の総雨量は2377.0mm。

日間最多雨量は9月3日に150mm、この雨の9月1日降りはじめからの総雨量は270.5mmに達した。

台風17号；8月27日11時985.5mb、最大瞬間風速S32m/s、降りはじめからの総雨量89mm。

台風22号；9月19日23時20分995.7mb、最大瞬間風速N28m/s、降りはじめからの総雨量158mm。

月別9時の天気

| 月  | 快晴 | 晴   | 曇   | 雨  | 雪 |
|----|----|-----|-----|----|---|
| 1  | 7  | 10  | 8   | 5  | 1 |
| 2  | 7  | 10  | 8   | 3  |   |
| 3  | 9  | 13  | 7   | 2  |   |
| 4  | 6  | 11  | 10  | 3  |   |
| 5  | 4  | 4   | 18  | 5  |   |
| 6  | 4  | 5   | 17  | 4  |   |
| 7  | 3  | 13  | 10  | 5  |   |
| 8  | 4  | 17  | 7   | 3  |   |
| 9  | 5  | 11  | 10  | 4  |   |
| 10 | 14 | 10  | 6   | 1  |   |
| 11 | 11 | 5   | 11  | 3  |   |
| 12 | 15 | 9   | 6   | 1  |   |
| 計  | 89 | 118 | 118 | 39 | 1 |

(布施慎一郎)

1989年 1月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | °C<br>最低 | 濕 度%<br>定時 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水 溫<br>定時 最高 °C<br>最低 | 塩分S<br>定時 |
|-----|----------|---------|---------|----------|------------|--------------|-------------------|-----------------------|-----------|
| 1   | ●        | 9.6     | 11.8    | 3.4      | 95         | 23.0         | N 15.1            | 14.53                 | 32.919    |
| 2   | ○        | 6.2     | 13.3    | 3.0      | 62         |              | N 11.0            | 14.09                 | 34.443    |
| 3   | ①        | 10.3    | 13.4    | 5.6      | 67         |              | N 13.0            | 14.73                 | 34.618    |
| 4   | ○        | 9.0     | 10.7    | 7.7      | 60         |              | N 13.4            | 14.25                 | 34.672    |
| 5   | ①        | 6.6     | 10.8    | 4.3      | 49         |              | N 10.8            | 14.27                 | 34.689    |
| 6   | ①        | 5.5     | 14.3    | 0.4      | 56         |              | N 7.0             | 15.14                 | 34.685    |
| 7   | ◎        | 11.8    | 17.5    | 8.4      | 71         | 6.0          | S 9.7             | 16.31                 | 34.689    |
| 8   | ●        | 18.5    | 18.9    | 12.8     | 90         | 16.5         | SW 7.7            | 18.22                 | 34.457    |
| 9   | ◎        | 13.8    | 15.3    | 11.8     | 87         | 18.0         | NNE 6.8           | 18.05                 | 34.512    |
| 10  | ○        | 13.4    | 17.2    | 11.6     | 78         |              | NNW 8.3           | 17.12                 | 34.168    |
| 11  | ◎        | 11.9    | 15.1    | 9.8      | 81         | 18.5         | NE 6.0            | 17.19                 | 34.564    |
| 12  | ◎        | 12.5    | 14.4    | 8.5      | 86         |              | NNW 12.1          | 16.61                 | 34.503    |
| 13  | ①        | 7.0     | 11.0    | 6.2      | 61         |              | N 12.6            | 15.21                 | 34.605    |
| 14  | ◎        | 9.0     | 10.0    | 6.3      | 68         | +            | N 9.5             | 16.10                 | 34.449    |
| 15  | ◎        | 6.6     | 11.2    | 5.6      | 61         |              | N 10.1            | 15.12                 | 34.454    |
| 16  | ○        | 8.0     | 12.0    | 3.0      | 60         |              | NNW 10.3          | 15.68                 | 34.616    |
| 17  | ○        | 8.0     | 14.5    | 2.6      | 61         |              | E 3.0             | 16.79                 | 34.653    |
| 18  | ◎        | 10.2    | 16.9    | 8.6      | 74         |              | E 4.1             | 17.80                 | 34.687    |
| 19  | ◎        | 18.2    | 19.8    | 14.6     | 75         | 14.0         | S 11.9            | 17.82                 | 34.665    |
| 20  | ●        | 16.3    | 19.4    | 12.4     | 97         | 51.5         | S 15.6            | 18.68                 | 34.506    |
| 21  | ①        | 11.3    | 13.9    | 8.2      | 65         |              | N 13.5            | 16.31                 | 34.397    |
| 22  | ①        | 7.8     | 12.2    | 7.0      | 64         |              | N 9.4             | 15.60                 | 34.407    |
| 23  | ●        | 12.2    | 16.7    | 9.6      | 89         | 26.0         | N 10.5            | 16.41                 | 34.021    |
| 24  | ①        | 10.0    | 12.3    | 6.4      | 64         |              | N 13.8            | 16.10                 | 34.308    |
| 25  | ①        | 6.8     | 13.4    | 1.7      | 65         |              | N 7.7             | 16.39                 | 34.541    |
| 26  | ●        | 7.5     | 10.5    | 6.6      | 89         | 31.0         | N 7.8             | 15.84                 | 34.422    |
| 27  | ①        | 10.6    | 10.8    | 4.0      | 64         | +            | NNW 17.0          | 14.12                 | 33.374    |
| 28  | ⊗        | 4.7     | 8.2     | 1.9      | 59         |              | N 16.6            | 15.12                 | 34.301    |
| 29  | ①        | 4.5     | 8.8     | 2.0      | 62         |              | N 12.1            | 13.56                 | 34.483    |
| 30  | ○        | 7.3     | 13.5    | 2.9      | 71         |              | NNW 8.2           | 16.18                 | 34.626    |
| 31  | ○        | 8.8     | 16.4    | 4.6      | 73         |              | NW 5.7            | 16.52                 | 34.629    |
| 合 計 |          |         |         |          |            | 204.5        |                   |                       |           |
| 平 均 |          | 9.8     | 13.7    | 6.5      | 71         |              |                   | 16.00                 | 34.421    |
| 最 高 |          | 18.5    | 19.8    | 14.6     | 97         | 51.5         | NNW 17.0          | 18.68                 | 34.689    |
| 最 低 |          | 4.5     | 8.2     | 0.4      | 49         |              |                   | 13.56                 | 32.919    |

1989年 2月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | °C<br>最低 | 濕 度 %<br>定時 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水<br>定時 | 溫<br>最高 | °C<br>最低 | 塩分 S<br>定時 |
|-----|----------|---------|---------|----------|-------------|--------------|-------------------|---------|---------|----------|------------|
| 1   | ●        | 9.3     | 15.2    | 5.9      | 89          | 9.0          | NNW 16.6          | 16.21   |         |          | 34.417     |
| 2   | ①        | 6.3     | 8.0     | 4.9      | 69          |              | NNW               | 16.18   |         |          | 34.582     |
| 3   | ①        | 6.3     | 9.2     | 3.6      | 64          |              | NNW 11.6          | 14.18   |         |          | 34.631     |
| 4   | ○        | 6.3     | 9.7     | 3.6      | 62          |              | NNW 12.5          | 15.29   |         |          | 34.648     |
| 5   | ○        | 7.6     | 14.0    | 2.5      | 60          |              | NNW 8.3           | 15.27   |         |          | 34.643     |
| 6   | ◎        | 6.7     | 11.7    | 1.2      | 71          |              | N 6.4             | 15.92   |         |          | 34.644     |
| 7   | ①        | 8.3     | 13.8    | 5.9      | 57          |              | N 9.2             | 15.23   |         |          | 34.653     |
| 8   | ◎        | 12.0    | 14.8    | 6.3      | 62          | 9.0          | SE 5.0            | 16.77   |         |          | 34.639     |
| 9   | ◎        | 12.7    | 17.6    | 9.5      | 77          | 19.0         | SSW 15.6          | 15.44   |         |          | 34.359     |
| 10  | ◎        | 9.8     | 9.8     | 3.3      | 58          | 0.5          | NNW 16.3          | 15.68   |         |          | 34.593     |
| 11  | ①        | 6.2     | 9.9     | 4.0      | 61          |              | NNW 10.6          | 14.33   |         |          | 34.564     |
| 12  | ○        | 8.3     | 11.9    | 2.9      | 61          |              | N 9.6             | 14.04   |         |          | 34.288     |
| 13  | ○        | 8.2     | 10.8    | 3.6      | 57          |              | NNE 10.0          | 14.94   |         |          | 34.617     |
| 14  | ○        | 8.5     | 12.6    | 4.9      | 57          |              | N 11.5            | 13.79   |         |          | 34.415     |
| 15  | ①        | 8.7     | 16.3    | 2.5      | 53          |              | S 6.5             | 14.68   |         |          | 34.514     |
| 16  | ◎        | 17.2    | 18.7    | 12.2     | 65          | 5.0          | SSW 15.1          | 17.41   |         |          | 34.675     |
| 17  | ●        | 18.4    | 18.3    | 15.2     | 96          | 75.5         | SSW 15.6          | 19.05   |         |          | 34.307     |
| 18  | ①        | 11.2    | 14.5    | 8.8      | 85          | 13.0         | NNE 13.8          | 15.74   |         |          | 26.743     |
| 19  | ①        | 9.2     | 14.6    | 6.7      | 62          |              | NNE 11.4          | 14.41   |         |          | 28.865     |
| 20  | ○        | 13.7    | 18.4    | 6.9      | 66          | 5.0          | S 9.3             | 17.35   |         |          | 32.487     |
| 21  | ◎        | 11.3    | 12.8    | 9.2      | 82          |              | N 7.5             | 16.72   |         |          | 33.200     |
| 22  | ①        | 11.3    | 15.2    | 7.7      | 62          |              | N 11.2            | 16.02   |         |          | 34.241     |
| 23  | ◎        | 8.2     | 11.3    | 6.7      | 53          |              | NNW 8.3           | 16.11   |         |          | 34.419     |
| 24  | ●        | 11.3    | 15.7    | 9.9      | 93          | 13.5         | NNW 3.4           | 15.94   |         |          | 34.310     |
| 25  | ◎        | 14.7    | 19.7    | 12.9     | 93          | 4.0          | SSW 19.0          | 18.18   |         |          | 34.489     |
| 26  | ①        | 10.0    | 12.2    | 5.9      | 61          | 2.0          | N 15.2            | 16.91   |         |          | 34.509     |
| 27  | ○        | 7.8     | 14.0    | 0.8      | 55          |              | N 8.5             | 16.96   |         |          | 34.504     |
| 28  | ①        | 15.6    | 19.3    | 9.2      | 61          | 28.0         | SSE 11.4          | 16.61   |         |          | 34.383     |
| 合 計 |          |         |         |          |             | 183.5        |                   |         |         |          |            |
| 平 均 |          | 9.8     | 13.4    | 6.3      | 65          |              |                   | 15.36   |         |          | 33.905     |
| 最 高 |          | 18.4    | 19.7    | 15.2     | 96          | 75.5         | SSW 19.0          | 19.05   |         |          | 34.675     |
| 最 低 |          | 6.2     | 8.0     | 0.8      | 53          |              |                   | 13.79   |         |          | 26.743     |

1989年 3月

|     | 天氣<br>定時 | 氣 溫<br>定時 最高 最低 | °C<br>最高 最低 | 濕 度%<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水 溫<br>定時 最高 最低 | 鹽分S<br>定時 |
|-----|----------|-----------------|-------------|---------------|--------------|-------------------|-----------------|-----------|
| 1   | ●        | 15.3 16.6       | 7.0         | 98 61         | 8.0          | N 12.8            | 16.66           | 33.692    |
| 2   | ○        | 11.3 17.5       | 3.2         | 86 53         |              | NE 8.3            | 15.86           | 33.816    |
| 3   | ☉        | 15.3 18.5       | 12.2        | 96 58         |              | S 7.0             | 15.97           | 34.214    |
| 4   | ☉        | 18.3 19.2       | 10.9        | 100 78        | 38.5         | S 16.7            | 16.91           | 34.303    |
| 5   | ☉        | 10.2 13.2       | 6.9         | 83 51         |              | NNW 11.2          | 15.12           | 33.851    |
| 6   | ①        | 8.6 14.0        | 3.4         | 86 34         | 2.0          | N 11.1            | 14.14           | 32.920    |
| 7   | ①        | 7.8 12.6        | 5.3         | 81 40         |              | N 11.9            | 13.44           | 32.639    |
| 8   | ①        | 7.7 10.8        | 4.2         | 85 55         |              | N 15.8            | 14.09           | 34.136    |
| 9   | ○        | 7.9 11.6        | 3.6         | 70 33         |              | N 10.5            | 13.46           | 33.730    |
| 10  | ○        | 9.0 13.2        | 3.7         | 76 28         |              | N 8.1             | 13.38           | 33.608    |
| 11  | ①        | 11.7 14.8       | 2.8         | 72 38         |              | N 4.7             | 14.09           | 33.955    |
| 12  | ○        | 13.0 16.9       | 4.6         | 83 32         | 11.5         | SW 6.4            | 14.81           | 34.202    |
| 13  | ☉        | 13.8 17.3       | 9.0         | 88 65         | 3.0          | S 7.0             | 14.71           | 34.349    |
| 14  | ①        | 14.6 18.2       | 11.9        | 95 44         |              | N 11.4            | 16.76           | 34.418    |
| 15  | ○        | 13.5 16.3       | 8.4         | 71 38         |              | N 14.0            | 17.09           | 34.553    |
| 16  | ①        | 9.7 13.5        | 6.9         | 71 35         |              | NNW 12.8          | 14.18           | 34.580    |
| 17  | ①        | 9.2 11.4        | 6.4         | 80 43         |              | NNW 16.5          | 13.84           | 34.490    |
| 18  | ①        | 8.4 12.1        | 5.4         | 72 39         |              | N 15.2            | 14.18           | 34.523    |
| 19  | ○        | 9.5 14.0        | 5.9         | 62 39         |              | NNW 10.6          | 14.05           | 34.553    |
| 20  | ①        | 9.5 14.4        | 6.9         | 68 40         |              | N 12.6            | 14.43           | 34.820    |
| 21  | ○        | 10.8 15.4       | 7.2         | 73 43         |              | NNW 12.0          | 15.33           | 34.869    |
| 22  | ①        | 11.3 14.3       | 7.3         | 73 43         |              | N 15.0            | 15.62           | 34.815    |
| 23  | ○        | 11.2 15.6       | 6.7         | 72 43         |              | NNW 9.3           | 15.74           | 34.814    |
| 24  | ●        | 11.2 18.7       | 9.7         | 98 62         | 15.0         | SSW 17.0          | 15.59           | 34.816    |
| 25  | ①        | 13.5 15.5       | 8.8         | 85 51         |              | NNW 13.0          | 16.68           | 34.875    |
| 26  | ☉        | 10.4 14.3       | 7.2         | 88 42         |              | N 10.4            | 16.33           | 34.890    |
| 27  | ☉        | 14.0 17.4       | 8.7         | 97 65         | 12.5         | NNW 12.2          | 17.29           | 33.817    |
| 28  | ①        | 12.6 15.6       | 6.2         | 99 45         |              | N 10.0            | 16.17           | 34.398    |
| 29  | ①        | 11.0 15.4       | 7.4         | 74 35         |              | NNW 10.7          | 15.27           | 34.789    |
| 30  | ○        | 14.7 17.7       | 5.6         | 81 37         |              | S 6.5             | 16.29           | 34.754    |
| 31  | ☉        | 16.2 16.7       | 10.6        | 98 53         | 22.0         | S 13.1            | 16.32           | 34.753    |
| 合 計 |          |                 |             |               | 112.5        |                   |                 |           |
| 平 均 |          | 11.7 15.2       | 6.9         | 83 46         |              |                   | 15.28           | 34.288    |
| 最 高 |          | 18.2 19.2       | 12.2        | 100 78        | 38.5         | SSW 17.0          | 28.66           | 34.890    |
| 最 低 |          | 7.7 10.8        | 2.8         | 62 28         |              |                   | 13.38           | 32.639    |

1989年 4月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | °C<br>最低 | 濕 度 %<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水<br>定時 | 溫<br>最高 | °C<br>最低 | 塩分 S<br>定時 |
|-----|----------|---------|---------|----------|----------------|--------------|-------------------|---------|---------|----------|------------|
| 1   | ☉        | 15.8    | 19.3    | 8.4      | 97 53          |              | SW 4.8            | 15.98   |         |          | 34.269     |
| 2   | ①        | 16.7    | 19.8    | 11.2     | 85 57          |              | S 9.8             | 17.02   |         |          | 34.418     |
| 3   | ☉        | 17.8    | 19.7    | 14.3     | 94 68          | +            | NNW 5.1           | 17.52   |         |          | 34.633     |
| 4   | ☉        | 16.2    | 19.4    | 12.0     | 94 41          | +            | NNW 7.6           | 17.08   |         |          | 34.311     |
| 5   | ☉        | 15.1    | 19.4    | 8.9      | 92 40          |              | NNW 5.7           | 17.44   |         |          | 34.458     |
| 6   | ①        | 16.1    | 18.2    | 8.4      | 82 46          |              | SW 3.5            | 17.38   |         |          | 34.649     |
| 7   | ①        | 19.5    | 21.9    | 12.1     | 83 54          |              | ENE 6.8           | 18.77   |         |          | 34.746     |
| 8   | ☉        | 18.0    | 19.1    | 14.9     | 99 56          | 19.5         | S 10.4            | 18.84   |         |          | 34.692     |
| 9   | ①        | 16.8    | 20.5    | 13.1     | 90 55          |              | NNW 7.0           | 18.66   |         |          | 34.689     |
| 10  | ☉        | 14.8    | 16.7    | 12.7     | 96 54          | 2.5          | SSW 4.1           | 19.25   |         |          | 34.682     |
| 11  | ①        | 15.8    | 18.8    | 10.4     | 98 38          |              | N 12.6            | 18.65   |         |          | 34.660     |
| 12  | ①        | 12.2    | 16.4    | 8.7      | 56 42          |              | NNW 12.2          | 17.45   |         |          | 34.720     |
| 13  | ①        | 14.7    | 19.4    | 10.6     | 80 55          |              | NNW 9.0           | 17.49   |         |          | 34.691     |
| 14  | ☉        | 19.0    | 21.3    | 9.2      | 86 53          |              | S 7.6             | 18.18   |         |          | 34.685     |
| 15  | ●        | 15.4    | 19.6    | 14.7     | 98 85          | 38.0         | S 10.2            | 17.41   |         |          | 34.270     |
| 16  | ①        | 19.1    | 20.8    | 14.6     | 100 53         | 8.0          | NNW 13.0          | 17.86   |         |          | 34.348     |
| 17  | ○        | 16.1    | 20.6    | 11.7     | 84 43          |              | N 15.1            | 17.10   |         |          | 34.237     |
| 18  | ○        | 19.3    | 21.4    | 11.1     | 89 52          |              | SW 5.3            | 17.90   |         |          | 34.265     |
| 19  | ○        | 18.8    | 22.4    | 13.2     | 95 57          |              | S 8.7             | 18.82   |         |          | 34.220     |
| 20  | ○        | 21.4    | 22.3    | 14.1     | 94 66          |              | SSW 6.7           | 18.80   |         |          | 34.452     |
| 21  | ☉        | 19.2    | 23.8    | 13.3     | 96 55          |              | NE 6.1            | 19.69   |         |          | 34.355     |
| 22  | ☉        | 19.6    | 20.6    | 15.5     | 96 72          | 20.0         | S 10.0            | 19.98   |         |          | 34.431     |
| 23  | ●        | 15.7    | 19.2    | 14.7     | 98 79          | 20.0         | NNW 8.5           | 18.51   |         |          | 34.026     |
| 24  | ●        | 15.2    | 17.3    | 13.2     | 99 66          | 3.5          | NNW 13.2          | 18.70   |         |          | 34.176     |
| 25  | ○        | 14.6    | 19.1    | 10.7     | 72 43          |              | N 14.4            | 17.53   |         |          | 34.336     |
| 26  | ①        | 16.8    | 21.0    | 9.4      | 82 44          |              | S 7.2             | 17.79   |         |          | 34.172     |
| 27  | ○        | 20.2    | 21.7    | 12.4     | 90 60          | 2.0          | S 12.0            | 18.17   |         |          | 34.038     |
| 28  | ①        | 14.0    | 16.4    | 10.4     | 58 42          |              | N 15.8            | 16.06   |         |          | 34.175     |
| 29  | ①        | 13.8    | 17.2    | 5.4      | 75 37          |              | NNW 9.0           | 16.75   |         |          | 34.091     |
| 30  | ☉        | 16.7    | 18.6    | 10.6     | 87 31          |              | SSE 4.4           | 16.72   |         |          | 34.169     |
| 合 計 |          |         |         |          |                | 113.5        |                   |         |         |          |            |
| 平 均 |          | 16.8    | 19.7    | 11.7     | 88 53          |              |                   | 17.91   |         |          | 34.402     |
| 最 高 |          | 21.4    | 23.8    | 15.5     | 100 85         | 38.0         | N 15.8            | 19.98   |         |          | 34.746     |
| 最 低 |          | 12.2    | 16.4    | 5.4      | 56 31          |              |                   | 15.88   |         |          | 34.026     |

1989年 5月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度%<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水 溫<br>定時 最高 最低 | 鹽分S<br>定時 |
|-----|----------|---------|---------|---------|---------------|--------------|-------------------|-----------------|-----------|
| 1   | ☉        | 15.8    | 19.9    | 13.6    | 93 72         | 6.0          | NE 8.4            | 19.06           | 34.466    |
| 2   | ○        | 19.8    | 21.8    | 11.1    | 95 54         | +            | NNW 8.9           | 19.14           | 34.486    |
| 3   | ☉        | 19.2    | 21.8    | 13.4    | 90 64         |              | SSW 6.3           | 18.90           | 34.489    |
| 4   | ○        | 22.2    | 24.2    | 14.9    | 94 58         |              | SSW 8.0           | 19.98           | 34.522    |
| 5   | ☉        | 20.8    | 21.6    | 16.3    | 91 68         |              | SSW 5.7           | 19.72           | 34.460    |
| 6   | ●        | 16.5    | 18.1    | 15.8    | 96 85         | 20.0         | NE 3.4            | 19.98           | 34.533    |
| 7   | ☉        | 16.8    | 20.4    | 15.3    | 96 77         | 1.5          | NNE 7.7           | 19.29           | 34.265    |
| 8   | ①        | 20.1    | 22.4    | 13.2    | 96 68         | +            | SSW 4.6           | 20.26           | 34.349    |
| 9   | ☉        | 20.0    | 23.5    | 14.9    | 90 68         |              | S 7.4             | 20.13           | 34.428    |
| 10  | ☉        | 22.3    | 24.2    | 16.2    | 94 76         |              | SW 3.6            | 21.83           | 34.430    |
| 11  | ●        | 17.2    | 19.1    | 16.5    | 98 82         | 30.2         | ENE 5.4           | 21.30           | 34.319    |
| 12  | ☉        | 18.4    | 20.3    | 17.5    | 99 78         | 3.0          | NE 6.2            | 21.08           | 34.161    |
| 13  | ☉        | 20.5    | 22.8    | 17.2    | 93 75         | 6.5          | S 5.9             | 21.25           | 33.955    |
| 14  | ①        | 18.7    | 21.7    | 16.7    | 94 37         | 1.5          | SW 11.6           | 20.53           | 34.192    |
| 15  | ①        | 17.2    | 20.4    | 12.9    | 77 45         |              | NNW 12.5          | 20.10           | 34.373    |
| 16  | ☉        | 17.8    | 22.1    | 13.0    | 78 55         |              | S 7.4             | 19.89           | 34.877    |
| 17  | ●        | 16.7    | 17.4    | 15.6    | 96 77         | 28.0         | N 4.9             | 19.56           | 34.273    |
| 18  | ☉        | 19.1    | 21.6    | 15.8    | 97 79         |              | N 9.9             | 19.70           | 34.541    |
| 19  | ☉        | 21.0    | 22.2    | 16.5    | 96 69         | 25.5         | SE 6.7            |                 |           |
| 20  | ●        | 20.4    | 22.4    | 18.8    | 95 79         |              | S 4.6             | 20.73           | 34.108    |
| 21  | ☉        | 20.6    | 24.0    | 17.0    | 98 72         | 5.0          | NNW 6.4           | 20.76           | 33.881    |
| 22  | ☉        | 21.8    | 23.0    | 15.1    | 96 70         | 11.5         | S 7.7             | 20.68           | 33.892    |
| 23  | ●        | 16.8    | 18.3    | 15.6    | 98 91         | 25.5         | N 4.5             | 20.90           | 33.220    |
| 24  | ☉        | 19.3    | 21.9    | 17.2    | 97 79         | 0.5          | SW 3.2            | 20.05           | 33.735    |
| 25  | ☉        | 20.6    | 22.4    | 18.9    | 98 82         | 42.0         | S 11.8            | 21.05           | 32.522    |
| 26  | ☉        | 17.8    | 21.3    | 13.1    | 96 63         | 21.5         | NNW 13.8          | 20.60           | 33.171    |
| 27  | ①        | 21.7    | 22.5    | 12.0    | 87 59         |              | SSW 3.9           | 20.18           | 33.666    |
| 28  | ☉        | 22.8    | 26.1    | 14.8    | 90 50         |              | N 3.9             | 21.20           | 33.435    |
| 29  | ☉        | 21.8    | 24.0    | 15.8    | 92 62         | 3.0          | SSW 7.3           | 21.73           | 33.373    |
| 30  | ○        | 22.0    | 22.7    | 13.0    | 94 45         |              | NNW 10.8          | 21.41           | 33.633    |
| 31  | ○        | 20.7    | 23.6    | 11.0    | 83 42         |              | S 7.8             | 21.20           | 33.790    |
| 合 計 |          |         |         |         |               | 231.5        |                   |                 |           |
| 平 均 |          | 19.6    | 21.9    | 15.1    | 93 67         |              |                   | 20.41           | 34.052    |
| 最 高 |          | 22.8    | 26.1    | 18.9    | 99 91         | 42.0         | NNW 13.8          | 21.83           | 34.877    |
| 最 低 |          | 15.8    | 17.4    | 11.0    | 77 37         |              |                   | 18.90           | 32.522    |

1989年 6月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度%<br>最高 最低 | 降水量<br>日間 mm | 最大風速<br>風向 風速 | 水<br>定時 | 溫<br>最高 | ℃<br>最低 | 塩分S<br>定時 |
|-----|----------|---------|---------|---------|---------------|--------------|---------------|---------|---------|---------|-----------|
| 1   | ○        | 24.3    | 24.5    | 14.7    | 88 50         |              | SSW 4.6       | 21.83   |         |         | 33.785    |
| 2   | ◎        | 22.2    | 24.1    | 15.9    | 89 65         |              | SSW 4.5       | 22.08   |         |         | 33.531    |
| 3   | ①        | 23.9    | 25.3    | 16.7    | 87 62         |              | SW 5.0        | 22.34   |         |         | 33.438    |
| 4   | ①        | 23.8    | 25.5    | 16.2    | 84 55         |              | S 8.7         | 22.63   |         |         | 34.111    |
| 5   | ◎        | 23.3    | 24.7    | 20.3    | 90 62         | 11.0         | S 9.2         | 22.45   |         |         | 34.051    |
| 6   | ◎        | 23.3    | 28.8    | 19.5    | 95 51         | 8.0          | NNW 9.7       | 22.30   |         |         | 33.893    |
| 7   | ①        | 24.3    | 26.5    | 17.5    | 88 53         |              | NNW 6.2       | 22.85   |         |         | 33.824    |
| 8   | ◎        | 24.8    | 25.7    | 17.2    | 86 57         | 3.0          | NNW 7.0       | 22.11   |         |         | 33.961    |
| 9   | ●        | 18.0    | 21.3    | 16.7    | 92 78         | 17.0         | ENE 5.5       | 21.71   |         |         | 33.683    |
| 10  | ◎        | 19.5    | 23.0    | 18.3    | 91 75         | 0.5          | S 9.8         | 21.42   |         |         | 33.445    |
| 11  | ◎        | 19.6    | 24.0    | 17.0    | 88 60         | 1.0          | NNW 5.8       | 21.92   |         |         | 33.619    |
| 12  | ○        | 21.2    | 24.4    | 14.2    | 91 44         |              | S 6.5         | 22.45   |         |         | 33.840    |
| 13  | ◎        | 21.7    | 27.1    | 17.2    | 85 55         | 6.5          | S 8.9         | 22.31   |         |         | 34.141    |
| 14  | ①        | 24.3    | 26.3    | 17.7    | 87 46         |              | SE 4.7        | 22.71   |         |         | 34.032    |
| 15  | ◎        | 21.8    | 24.6    | 19.6    | 88 66         | 3.5          | SSE 6.8       | 22.40   |         |         | 34.135    |
| 16  | ●        | 22.0    | 24.2    | 20.5    | 95 82         | 54.0         | S 15.2        | 22.30   |         |         | 33.803    |
| 17  | ◎        | 21.5    | 23.9    | 18.7    | 89 72         |              | NNW 7.5       | 22.06   |         |         | 32.984    |
| 18  | ◎        | 21.1    | 21.3    | 17.8    | 93 79         | 19.5         | S 3.8         | 21.71   |         |         | 33.036    |
| 19  | ◎        | 22.0    | 24.6    | 17.6    | 94 70         | 1.0          | SSW 7.1       | 22.23   |         |         | 33.493    |
| 20  | ①        | 23.8    | 24.2    | 17.0    | 97 75         | 14.5         |               | 22.22   |         |         | 33.638    |
| 21  | ◎        | 21.7    | 25.3    | 15.4    | 98 63         |              | SSW 6.5       | 22.46   |         |         | 33.617    |
| 22  | ◎        | 22.3    | 23.8    | 18.2    | 97 81         | 12.8         | NE 3.7        | 22.7    |         |         | 33.426    |
| 23  | ●        | 21.2    | 24.4    | 20.3    | 98 89         | 86.0         | S 8.2         | 22.26   |         |         | 31.545    |
| 24  | ◎        | 26.7    | 27.3    | 22.3    | 99 87         | 2.0          | S 11.6        | 22.77   |         |         | 33.633    |
| 25  | ◎        | 25.2    | 25.9    | 20.6    | 86 75         |              | S 8.0         | 23.29   |         |         | 33.514    |
| 26  | ○        | 26.5    | 27.7    | 19.5    | 93 67         |              | NNW 8.0       | 23.79   |         |         | 32.467    |
| 27  | ◎        | 25.1    | 27.8    | 21.1    | 92 73         |              | S 9.1         | 23.79   |         |         | 32.738    |
| 28  | ◎        | 24.8    | 25.4    | 21.3    | 96 43         | 19.0         | S 12.3        | 23.71   |         |         | 33.313    |
| 29  | ○        | 25.4    | 26.8    | 19.8    | 95 65         |              | NNW 4.3       | 24.03   |         |         | 31.726    |
| 30  | ●        | 21.2    | 23.0    | 20.1    | 94 83         | 6.5          | NE 2.6        | 23.75   |         |         | 32.969    |
| 合 計 |          |         |         |         |               | 265.5        |               |         |         |         |           |
| 平 均 |          | 22.9    | 25.0    | 18.3    | 94 68         |              |               | 22.55   |         |         | 33.446    |
| 最 高 |          | 26.7    | 28.8    | 22.3    | 100 89        | 86.0         | S 15.2        | 24.03   |         |         | 34.141    |
| 最 低 |          | 18.0    | 21.3    | 14.2    | 87 43         |              |               | 21.42   |         |         | 31.545    |

1989年 7月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度%<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水<br>定時 | 溫<br>最高 | ℃<br>最低 | 塩分S<br>定時 |
|-----|----------|---------|---------|---------|---------------|--------------|-------------------|---------|---------|---------|-----------|
| 1   | ☉        | 22.2    | 26.1    | 19.9    | 98 67         |              | S 3.0             | 23.79   |         |         | 32.376    |
| 2   | ●        | 21.7    | 23.9    | 20.8    | 97 87         | 21.5         | N 5.8             | 23.76   |         |         | 32.773    |
| 3   | ●        | 21.1    | 23.7    | 20.3    | 96 87         | 30.0         | NNW 5.9           | 23.03   |         |         | 33.254    |
| 4   | ☉        | 24.3    | 26.8    | 21.0    | 96 73         |              | S 6.6             | 23.07   |         |         | 32.805    |
| 5   | ①        | 24.3    | 26.0    | 20.7    | 94 70         |              | S 5.6             | 24.03   |         |         | 33.238    |
| 6   | ○        | 25.3    | 27.6    | 19.1    | 94 65         |              | SW 4.0            | 24.06   |         |         | 33.167    |
| 7   | ①        | 25.5    | 27.7    | 19.3    | 90 68         |              | SSW 5.0           | 24.72   |         |         | 33.245    |
| 8   | ①        | 26.2    | 29.8    | 20.7    | 87 63         |              | S 9.4             | 24.57   |         |         | 33.314    |
| 9   | ●        | 24.4    | 25.6    | 23.9    | 100 83        | 90.0         | SSW 11.3          | 24.52   |         |         | 33.517    |
| 10  | ●        | 25.1    | 25.5    | 23.0    | 98 81         | 13.5         | S 8.5             | 24.48   |         |         | 33.366    |
| 11  | ☉        | 25.0    | 28.6    | 22.4    | 96 78         |              | SSW 8.5           | 24.69   |         |         | 31.489    |
| 12  | ☉        | 27.2    | 29.2    | 25.3    | 98 78         |              | S 8.6             | 25.25   |         |         | 31.628    |
| 13  | ☉        | 26.3    | 29.3    | 24.4    | 96 79         |              | SSW 5.6           | 25.49   |         |         | 32.280    |
| 14  | ①        | 27.1    | 28.3    | 23.3    | 94 66         | +            | SSW 7.7           | 26.23   |         |         | 31.864    |
| 15  | ①        | 26.6    | 29.4    | 22.5    | 89 65         |              | S 7.1             | 25.86   |         |         | 32.467    |
| 16  | ☉        | 27.2    | 29.1    | 22.8    | 93 75         | 2.0          | SSW 3.8           | 25.81   |         |         | 33.118    |
| 17  | ①        | 27.8    | 28.7    | 23.3    | 94 74         | 4.5          | S 6.0             | 26.24   |         |         | 33.054    |
| 18  | ①        | 28.3    | 30.2    | 23.0    | 92 69         |              | S 7.9             | 26.19   |         |         | 33.125    |
| 19  | ☉        | 27.4    | 30.4    | 23.3    | 88 65         |              | S 8.0             | 25.82   |         |         | 33.350    |
| 20  | ○        | 28.2    | 29.8    | 23.5    | 90 63         |              | S 8.8             | 25.92   |         |         | 33.234    |
| 21  | ①        | 29.6    | 29.8    | 22.3    | 85 61         |              | S 7.9             | 26.95   |         |         | 33.370    |
| 22  | ①        | 29.1    | 29.9    | 22.2    | 87 64         |              | S 8.2             | 26.77   |         |         | 33.448    |
| 23  | ○        | 29.3    | 30.4    | 22.6    | 88 62         | 6.5          | S 10.9            | 26.90   |         |         | 33.523    |
| 24  | ①        | 29.4    | 30.6    | 23.2    | 93 65         | 2.0          | S 10.6            | 27.06   |         |         | 33.439    |
| 25  | ☉        | 28.8    | 30.0    | 23.6    | 95 73         | 18.0         | SSE 7.1           | 26.79   |         |         | 33.260    |
| 26  | ①        | 29.6    | 31.7    | 24.1    | 93 65         | 0.5          | E 5.4             | 27.05   |         |         | 33.436    |
| 27  | ①        | 29.5    | 31.4    | 24.8    | 91 62         | 9.5          | ESE 11.1          | 27.49   |         |         | 33.402    |
| 28  | ☉        | 29.5    | 31.1    | 25.7    | 87 63         |              | SE 6.0            | 27.29   |         |         | 33.430    |
| 29  | ☉        | 26.9    | 33.5    | 23.0    | 91 55         | 1.0          | NE 5.5            | 27.17   |         |         | 33.391    |
| 30  | ①        | 28.3    | 30.0    | 23.1    | 94 61         | 8.5          | NE 9.3            | 27.46   |         |         | 33.254    |
| 31  | ●        | 24.7    | 28.7    | 24.1    | 90 63         | 3.0          | NE 9.5            | 26.36   |         |         | 33.489    |
| 合 計 |          |         |         |         |               | 210.5        |                   |         |         |         |           |
| 平 均 |          | 26.6    | 28.8    | 22.6    | 93 69         |              |                   | 25.64   |         |         | 33.036    |
| 最 高 |          | 29.6    | 33.5    | 25.7    | 100 87        | 90.0         | SSW 11.3          | 27.49   |         |         | 33.523    |
| 最 低 |          | 21.1    | 23.7    | 19.1    | 85 55         |              |                   | 23.03   |         |         | 31.489    |

1989年 8月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度 %<br>最高 最低 | 降水量<br>日間 mm | 最大風速<br>風向 風速 | m/s  | 水<br>定時 | 溫<br>最高 | ℃<br>最低 | 塩分 S<br>定時 |
|-----|----------|---------|---------|---------|----------------|--------------|---------------|------|---------|---------|---------|------------|
| 1   | ☉        | 28.5    | 32.0    | 24.4    | 95 71          | 12.0         | NE            | 4.5  | 27.09   |         |         | 33.504     |
| 2   | ●        | 25.7    | 30.1    | 24.7    | 96 73          | 26.5         | SE            | 4.3  | 27.23   |         |         | 32.939     |
| 3   | ☉        | 27.8    | 32.1    | 24.1    | 86 61          |              | NE            | 8.0  | 27.28   |         |         | 33.608     |
| 4   | ☉        | 28.0    | 31.0    | 23.2    | 92 71          |              | S             | 4.6  | 27.34   |         |         | 33.305     |
| 5   | ①        | 28.5    | 29.8    | 24.1    | 94 75          |              | NNW           | 4.3  | 27.73   |         |         | 33.073     |
| 6   | ☉        | 26.5    | 30.7    | 24.7    | 93 69          | +            | NNW           | 8.9  | 27.12   |         |         | 33.327     |
| 7   | ①        | 29.2    | 30.6    | 24.9    | 88 69          |              | SSW           | 6.0  | 27.46   |         |         | 33.208     |
| 8   | ①        | 28.6    | 30.3    | 24.0    | 94 69          |              | S             | 5.4  | 27.97   |         |         | 33.446     |
| 9   | ①        | 30.2    | 30.8    | 23.2    | 93 68          |              | SW            | 6.8  | 28.37   |         |         | 33.525     |
| 10  | ☉        | 29.8    | 31.7    | 24.6    | 94 68          |              | NNW           | 6.8  | 28.34   |         |         | 33.659     |
| 11  | ①        | 27.7    | 32.0    | 22.2    | 91 60          | +            | SSW           | 3.2  | 28.06   |         |         | 33.735     |
| 12  | ①        | 28.7    | 30.6    | 22.3    | 89 63          |              | S             | 8.1  | 27.89   |         |         | 33.583     |
| 13  | ①        | 29.5    | 31.2    | 23.4    | 90 67          |              | S             | 8.3  | 27.97   |         |         | 33.578     |
| 14  | ☉        | 29.2    | 29.8    | 24.1    | 89 72          |              | S             | 5.2  | 28.23   |         |         | 33.626     |
| 15  | ☉        | 29.0    | 30.7    | 24.3    | 91 69          |              | NNW           | 3.9  | 28.16   |         |         | 33.614     |
| 16  | ○        | 29.0    | 31.4    | 22.7    | 93 66          | 1.5          | SW            | 3.1  | 27.77   |         |         | 33.688     |
| 17  | ①        | 28.7    | 31.8    | 23.0    | 89 67          |              | W             | 3.5  | 27.99   |         |         | 33.691     |
| 18  | ○        | 29.2    | 32.8    | 24.3    | 94 63          |              | NNW           | 3.5  | 28.18   |         |         | 33.678     |
| 19  | ①        | 29.2    | 30.6    | 23.3    | 93 66          |              | SSW           | 7.0  | 28.24   |         |         | 33.736     |
| 20  | ○        | 30.2    | 32.0    | 24.4    | 95 63          |              | S             | 10.7 | 28.19   |         |         | 33.752     |
| 21  | ①        | 31.5    | 32.9    | 24.9    | 89 32          |              | S             | 11.1 | 28.25   |         |         | 33.716     |
| 22  | ①        | 31.3    | 32.4    | 24.1    | 88 61          |              | S             | 12.0 | 27.95   |         |         | 33.647     |
| 23  | ①        | 30.5    |         |         |                |              | S             | 8.3  | 27.86   |         |         | 33.594     |
| 24  | ①        | 29.4    | 31.3    |         |                |              | SSW           | 4.9  | 27.68   |         |         | 33.574     |
| 25  | ①        | 30.2    | 32.7    | 23.2    | 92 59          |              | S             | 9.1  | 27.91   |         |         | 33.577     |
| 26  | ①        | 28.9    | 31.3    | 22.3    | 97 55          | 34.0         | NE            | 8.2  | 27.22   |         |         | 33.547     |
| 27  | ●        | 25.8    | 27.6    | 23.5    | 98 68          | 54.5         | S             | 23.6 | 26.97   |         |         | 33.515     |
| 28  | ①        | 28.0    | 31.5    | 22.8    | 87 58          | 9.5          | NNW           | 7.5  | 26.13   |         |         | 30.627     |
| 29  | ○        | 28.9    | 29.8    | 22.0    | 91 69          |              | SSW           | 7.0  | 26.98   |         |         | 32.059     |
| 30  | ●        | 26.3    | 29.1    | 25.0    | 94 81          |              | S             | 12.5 | 27.32   |         |         | 33.316     |
| 31  | ①        | 28.3    | 29.8    | 23.4    | 91 64          |              | SW            | 4.2  | 27.40   |         |         | 33.563     |
| 合 計 |          |         |         |         |                | 138.0        |               |      |         |         |         |            |
| 平 均 |          | 28.8    | 31.0    | 23.7    | 92 65          |              |               |      | 27.69   |         |         | 33.389     |
| 最 高 |          | 31.5    | 32.9    | 25.0    | 98 81          | 54.5         | S             | 23.6 | 28.37   |         |         | 33.752     |
| 最 低 |          | 25.7    | 27.6    | 22.0    | 86 32          |              |               |      | 26.13   |         |         | 30.627     |

1989年 9月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度%<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水<br>定時 | 溫<br>最高 | ℃<br>最低 | 塩分S<br>定時 |
|-----|----------|---------|---------|---------|---------------|--------------|-------------------|---------|---------|---------|-----------|
| 1   | ☉        | 27.7    | 30.7    | 22.8    | 96 65         | 13.0         | S 9.7             | 27.31   | 28.2    | 26.8    | 33.264    |
| 2   | ☉        | 27.7    | 27.9    | 23.8    | 95 79         | 107.5        | SSW 12.6          | 27.50   | 27.5    | 26.6    | 33.155    |
| 3   | ●        | 25.9    | 26.1    | 20.9    | 97 81         | 150.0        | S 18.7            | 26.93   | 27.0    | 24.8    | 32.757    |
| 4   | ①        | 25.2    | 28.3    | 19.7    | 94 67         |              | SSW 4.6           | 25.36   | 27.2    | 25.1    | 27.237    |
| 5   | ☉        | 26.4    | 27.4    | 21.3    | 95 71         | 66.0         | S 13.2            | 26.46   | 27.2    | 25.9    | 29.355    |
| 6   | ●        | 26.8    | 26.7    | 24.1    | 95 77         | 25.0         | S 10.5            | 26.89   | 27.0    | 25.8    | 32.040    |
| 7   | ①        | 28.2    | 29.8    | 23.3    | 93 66         | 1.0          | S 9.2             | 27.16   | 27.3    | 26.4    | 32.216    |
| 8   | ①        | 28.8    | 31.3    | 23.3    | 90 69         |              | S 5.7             | 27.22   | 28.1    | 26.3    | 32.534    |
| 9   | ①        | 30.0    | 30.2    | 23.2    | 88 64         |              | S 9.5             | 27.46   | 27.8    | 26.9    | 32.063    |
| 10  | ①        | 29.2    | 30.3    | 23.3    | 90 69         |              | S 6.3             | 27.26   | 27.9    | 26.6    | 32.019    |
| 11  | ①        | 28.3    | 29.5    | 22.4    | 97 70         |              | SW 4.2            | 27.76   | 28.3    | 27.0    | 32.133    |
| 12  | ○        | 29.0    | 29.4    | 24.1    | 90 71         |              | SW 7.1            | 27.55   | 28.5    | 27.2    | 31.410    |
| 13  | ☉        | 27.3    | 27.8    | 23.9    | 100 83        | 100.5        | SSW 12.0          | 27.38   | 27.7    | 27.3    | 31.963    |
| 14  | ●        | 25.1    | 27.5    | 24.4    | 100 94        | 10.0         | SSW 6.3           | 27.27   | 27.7    | 26.7    | 31.444    |
| 15  | ①        | 28.2    | 29.9    | 23.8    | 99 78         |              | E 3.1             | 27.58   | 28.3    | 27.1    | 30.277    |
| 16  | ○        | 29.1    | 31.0    | 24.7    | 95 73         |              | NNW 5.8           | 28.26   | 29.7    | 27.6    | 29.850    |
| 17  | ☉        | 27.0    | 31.8    | 24.6    | 97 63         | 6.0          | S 3.9             | 27.66   | 28.8    | 27.7    | 30.794    |
| 18  | ①        | 27.6    | 29.6    | 23.9    | 98 77         | 24.0         | SW 13.9           | 27.29   | 28.0    | 27.3    | 31.388    |
| 19  | ●        | 25.1    | 28.8    | 20.9    | 100 77        | 129.0        | N 17.1            | 27.50   | 27.7    | 26.3    | 31.961    |
| 20  | ①        | 24.8    | 28.0    | 20.0    | 91 51         |              | NNW 15.4          | 26.69   | 26.8    | 25.3    | 31.072    |
| 21  | ○        | 22.7    | 27.7    | 15.7    | 91 51         |              | N 7.1             | 26.52   | 27.8    | 24.4    | 28.267    |
| 22  | ☉        | 24.8    | 28.2    | 20.5    | 99 65         | 24.0         | SW 15.0           | 26.87   | 27.4    | 21.1    | 32.035    |
| 23  | ☉        | 24.1    | 26.5    | 20.5    | 94 56         |              | N 11.8            | 25.18   | 26.4    | 24.3    | 30.417    |
| 24  | ○        | 23.3    | 27.2    | 16.8    | 90 60         |              | N 5.2             | 26.09   | 27.0    | 24.3    | 31.548    |
| 25  | ☉        | 24.6    | 28.3    | 20.3    | 88 63         |              | SW 5.3            | 26.51   | 27.3    | 24.9    | 32.273    |
| 26  | ○        | 25.6    | 29.4    | 18.2    | 90 42         |              | N 6.5             | 26.36   | 26.7    | 25.0    | 31.719    |
| 27  | ☉        | 23.9    | 28.2    | 17.7    | 81 62         |              | SSW 7.0           | 25.15   | 26.3    | 24.7    | 31.875    |
| 28  | ①        | 27.1    | 27.5    | 22.2    | 90 72         |              | SW 8.6            | 25.53   | 26.1    | 24.8    | 32.411    |
| 29  | ☉        | 23.0    | 27.3    | 19.5    | 75 42         | +            | N 8.0             | 25.17   | 25.6    | 24.3    | 32.181    |
| 30  | ①        | 23.4    | 25.6    | 16.7    | 85 52         |              | SW 4.2            | 25.82   | 26.2    | 24.3    | 32.390    |
| 合 計 |          |         |         |         |               | 656.0        |                   |         |         |         |           |
| 平 均 |          | 26.3    | 28.6    | 21.6    | 93 67         |              |                   | 26.79   | 27.5    | 25.8    | 31.468    |
| 最 高 |          | 30.0    | 31.8    | 24.7    | 100 94        | 150.0        | S 18.7            | 28.26   | 29.7    | 27.7    | 33.264    |
| 最 低 |          | 22.7    | 25.6    | 15.7    | 75 42         |              |                   | 25.15   | 25.6    | 21.1    | 27.237    |

1989年 10月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度 %<br>定時 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水<br>定時 | 溫<br>最高 | ℃<br>最低 | 塩分 S<br>定時 |
|-----|----------|---------|---------|---------|-------------|--------------|-------------------|---------|---------|---------|------------|
| 1   | ①        | 22.4    | 27.6    | 14.9    | 59          |              | N 9.2             | 25.36   | 25.6    | 24.3    | 32.664     |
| 2   | ①        | 19.7    | 26.5    | 15.1    | 74          |              | NE 5.1            | 24.65   | 26.4    | 24.1    | 32.768     |
| 3   | ①        | 21.6    | 25.1    | 18.8    | 81          | 4.0          | NE 7.6            | 25.38   | 25.4    | 23.8    | 32.858     |
| 4   | ○        | 24.0    | 27.1    | 17.6    | 68          |              | NNW 11.1          | 25.07   | 25.8    | 24.3    | 33.107     |
| 5   | ①        | 22.8    | 27.0    | 16.5    | 68          |              | SW 5.0            | 25.01   | 25.0    | 24.1    | 33.278     |
| 6   | ☉        | 22.3    | 27.4    | 18.4    | 81          | 0.5          | NNW 4.1           | 25.08   | 25.7    | 24.7    | 33.363     |
| 7   | ☉        | 20.7    | 23.1    | 18.4    | 85          | 3.0          | N 9.5             | 25.02   | 25.2    | 24.4    | 33.519     |
| 8   | ①        | 21.5    | 23.5    | 14.7    | 70          |              | N 14.4            | 24.83   | 25.2    | 23.3    | 33.715     |
| 9   | ○        | 18.6    | 22.6    | 9.3     | 53          |              | N 9.2             | 23.93   | 25.2    | 22.9    | 33.816     |
| 10  | ☉        | 19.6    | 24.3    | 13.4    | 94          | 3.0          | ENE 4.6           | 23.81   | 24.3    | 23.1    | 33.564     |
| 11  | ●        | 18.4    | 22.9    | 17.6    | 94          | 24.5         | NE 14.0           | 23.33   | 24.1    | 22.7    | 32.957     |
| 12  | ①        | 22.5    | 25.9    | 18.1    | 74          |              | N 7.0             | 23.51   | 24.7    | 22.7    | 33.521     |
| 13  | ○        | 23.1    | 26.6    | 16.9    | 77          |              | N 5.9             | 24.07   | 25.3    | 23.4    | 33.729     |
| 14  | ①        | 22.2    | 25.5    | 17.3    | 69          |              | N 10.3            | 24.31   | 25.1    | 23.4    | 33.935     |
| 15  | ○        | 21.8    | 25.6    | 16.7    | 67          |              | NNW 7.2           | 23.44   | 24.6    | 22.7    | 33.930     |
| 16  | ☉        | 20.7    | 23.2    | 16.8    | 81          | 53.0         | NNW 14.0          | 23.47   | 23.7    | 22.4    | 33.917     |
| 17  | ○        | 16.9    | 18.7    | 12.6    | 62          | 2.0          | N 16.2            | 22.89   | 23.3    | 20.4    | 33.878     |
| 18  | ○        | 15.8    | 20.0    | 8.2     | 65          |              | N 6.8             | 21.82   | 22.7    | 19.3    | 33.422     |
| 19  | ☉        | 17.0    | 22.9    | 12.2    | 83          |              | NNW 9.4           | 22.53   | 23.0    | 20.9    | 33.786     |
| 20  | ①        | 19.9    | 22.4    | 15.4    | 62          |              | NNW 12.1          | 22.29   | 22.7    | 20.8    | 33.789     |
| 21  | ○        | 17.0    | 22.9    | 9.3     | 61          |              | N 3.6             | 21.91   | 22.6    | 21.0    | 33.746     |
| 22  | ○        | 18.9    | 23.8    | 12.4    | 72          |              | N 4.5             | 22.31   | 22.8    | 21.2    | 33.815     |
| 23  | ①        | 20.3    | 22.9    | 13.7    | 61          |              | N 12.0            | 22.47   | 22.9    | 20.5    | 34.055     |
| 24  | ○        | 15.8    | 21.6    | 8.6     | 62          |              | NNW 8.4           | 21.75   | 22.8    | 20.2    | 33.813     |
| 25  | ○        | 19.0    | 24.5    | 12.4    | 74          |              | SW 3.0            | 22.13   | 23.2    | 21.3    | 33.235     |
| 26  | ○        | 20.6    | 25.4    | 13.6    | 79          |              | N 4.8             | 22.55   | 23.6    | 22.0    | 34.038     |
| 27  | ○        | 19.9    | 24.8    | 12.4    | 72          |              | SW 3.3            | 23.13   | 23.6    | 21.6    | 34.168     |
| 28  | ①        | 21.6    | 27.1    | 15.5    | 82          |              | N 13.8            | 23.27   | 23.6    | 21.9    | 34.179     |
| 29  | ○        | 18.7    | 21.6    | 11.4    | 55          |              | N 16.2            | 21.83   | 22.3    | 20.8    | 33.987     |
| 30  | ○        | 17.9    | 23.1    | 10.4    | 72          |              | E 2.9             | 22.38   | 22.7    | 20.8    | 33.934     |
| 31  | ☉        | 21.0    | 24.8    | 15.8    | 81          | 4.5          | SSW 18.0          | 22.78   | 23.1    | 21.6    | 34.153     |
| 合 計 |          |         |         |         |             | 94.5         |                   |         |         |         |            |
| 平 均 |          | 20.1    | 24.2    | 14.2    | 72          |              |                   | 23.43   | 24.1    | 22.3    | 33.634     |
| 最 高 |          | 24.0    | 27.6    | 18.8    | 94          | 53.0         | SSW 18.0          | 25.38   | 26.4    | 24.7    | 34.179     |
| 最 低 |          | 15.8    | 18.7    | 8.2     | 53          |              |                   | 21.75   | 22.3    | 19.3    | 32.664     |

1989年 11月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度 %<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水 溫<br>定時 最高 最低 | 鹽分 S<br>定時 |
|-----|----------|---------|---------|---------|----------------|--------------|-------------------|-----------------|------------|
| 1   | ☉        | 19.3    | 22.4    | 16.2    | 87 54          |              | NNW 13.7          | 22.40 22.8 21.1 | 34.231     |
| 2   | ○        | 17.1    | 20.3    | 9.6     | 77 46          |              | N 14.4            | 20.54 21.9 20.2 | 34.307     |
| 3   | ○        | 16.8    | 21.8    | 7.8     | 72 43          |              | ENE 3.1           | 21.32 22.5 19.8 | 34.256     |
| 4   | ☉        | 18.5    | 23.3    | 12.9    | 86 50          |              | E 3.7             | 21.44 22.3 20.0 | 34.257     |
| 5   | ○        | 20.4    | 24.4    | 14.0    | 85 54          |              | S 8.1             | 21.35 22.1 20.2 | 34.267     |
| 6   | ①        | 22.3    | 25.6    | 16.3    | 89 57          | 8.0          | S 7.1             | 21.42 22.0 20.7 | 34.127     |
| 7   | ●        | 20.3    | 24.7    | 18.1    | 92 66          | 11.5         | S 7.5             | 21.50 22.2 21.2 | 33.914     |
| 8   | ☉        | 20.4    | 24.0    | 18.1    | 94 75          | 5.5          | S 4.9             | 21.53 21.8 21.2 | 33.739     |
| 9   | ☉        | 22.0    | 24.2    | 18.3    | 96 61          | 59.0         | NNW 9.8           | 21.77 22.4 20.7 | 32.952     |
| 10  | ○        | 19.2    | 22.7    | 15.0    | 74 51          |              | NNW 10.2          | 20.57 21.7 20.0 | 32.813     |
| 11  | ○        | 16.3    | 20.8    | 9.4     | 90 49          |              | NE 3.9            | 19.73 21.8 19.6 | 33.227     |
| 12  | ①        | 20.7    | 22.9    | 13.8    | 89 60          |              | SE 3.9            | 20.94 21.0 20.0 | 33.626     |
| 13  | ●        | 20.7    | 21.7    | 17.7    | 92 60          | 34.5         | S 13.2            | 21.10 21.2 20.0 | 33.864     |
| 14  | ①        | 16.2    | 17.9    | 11.4    | 79 54          |              | N 13.7            | 20.06 20.4 18.6 | 33.776     |
| 15  | ☉        | 13.1    | 16.0    | 10.3    | 90 61          |              | N 8.4             | 19.64 19.8 17.7 | 33.649     |
| 16  | ☉        | 14.4    | 19.9    | 12.4    | 86 56          |              | N 5.2             | 19.56 19.9 18.9 | 33.510     |
| 17  | ☉        | 14.6    | 17.3    | 13.4    | 92 63          | 4.0          | N 7.2             | 19.95 20.0 18.6 | 33.664     |
| 18  | ○        | 15.8    | 18.9    | 8.8     | 87 41          |              | NNW 9.0           | 20.30 21.0 17.9 | 33.657     |
| 19  | ☉        | 9.8     | 12.4    | 9.2     | 65 45          |              | NNW 15.7          | 17.72 18.9 17.6 | 34.064     |
| 20  | ○        | 12.3    | 14.6    | 9.6     | 75 47          |              | N 12.5            | 18.40 19.1 17.6 | 34.022     |
| 21  | ○        | 11.3    | 17.5    | 6.1     | 84 44          |              | N 6.6             | 18.96 19.8 17.6 | 34.056     |
| 22  | ①        | 12.0    | 17.6    | 7.6     | 80 39          |              | N 6.5             | 19.29 19.9 18.4 | 34.215     |
| 23  | ☉        | 14.2    | 16.9    | 11.1    | 78 55          |              | N 9.5             | 19.00 20.2 19.0 | 34.299     |
| 24  | ○        | 14.7    | 17.6    | 9.5     | 89 42          |              | NNW 9.4           | 19.49 20.3 19.1 | 34.331     |
| 25  | ○        | 13.3    | 17.6    | 7.2     | 87 45          |              | N 9.5             | 20.20 20.5 18.6 | 34.328     |
| 26  | ○        | 12.0    | 18.7    | 6.0     | 87 37          |              | E 4.3             | 19.59 20.8 18.5 | 34.344     |
| 27  | ☉        | 12.7    | 18.9    | 8.1     | 85 46          |              | E 3.5             | 20.53 21.5 19.8 | 34.374     |
| 28  | ●        | 13.8    | 13.9    | 10.0    | 92 56          | 5.0          | N 12.5            | 20.21 21.0 9.1  | 34.369     |
| 29  | ①        | 9.7     | 11.9    | 8.0     | 71 43          |              | NNW 15.5          | 19.05 18.9 17.2 | 34.420     |
| 30  | ☉        | 8.2     | 11.0    | 6.6     | 77 42          |              | NNW 13.1          | 18.71 19.1 16.9 | 34.439     |
| 合 計 |          |         |         |         |                | 127.5        |                   |                 |            |
| 平 均 |          | 15.7    | 19.2    | 11.4    | 84 51          |              |                   | 20.23 20.9 19.2 | 33.970     |
| 最 高 |          | 22.3    | 25.6    | 18.3    | 96 75          | 59.0         | NNW 15.7          | 22.40 22.8 21.2 | 34.439     |
| 最 低 |          | 8.2     | 11.0    | 6.0     | 65 37          |              |                   | 17.72 18.9 16.9 | 32.813     |

1989年 12月

|     | 天氣<br>定時 | 氣<br>定時 | 溫<br>最高 | ℃<br>最低 | 濕 度 %<br>最高 最低 | 降水量<br>日間 mm | 最大風速 m/s<br>風向 風速 | 水 溫<br>定時 最高 最低 | ℃<br>最低   | 塩分 S<br>定時 |
|-----|----------|---------|---------|---------|----------------|--------------|-------------------|-----------------|-----------|------------|
| 1   | ①        | 11.1    | 13.6    | 4.7     | 79 48          |              | N 11.6            | 18.15           | 18.7 17.1 | 34.460     |
| 2   | ○        | 10.4    | 16.2    | 5.9     | 82 48          |              | N 6.2             | 17.71           | 19.0 16.1 | 34.452     |
| 3   | ○        | 13.1    | 18.5    | 7.1     | 84 47          |              | N 4.8             | 18.70           | 20.6 17.2 | 34.434     |
| 4   | ①        | 14.0    | 20.7    | 9.4     | 82 44          |              | N 6.1             | 19.02           | 22.6 18.5 | 34.430     |
| 5   | ○        | 13.4    | 19.1    | 8.1     | 90 45          |              | NNW 7.1           | 19.60           | 20.4 19.6 | 34.446     |
| 6   | ○        | 13.8    | 17.8    | 7.1     | 97 56          |              | N 9.8             | 19.06           | 19.8 19.0 | 34.439     |
| 7   | ①        | 11.1    | 18.2    | 5.9     | 87 57          |              | S 5.5             | 19.22           | 20.4 18.6 | 34.433     |
| 8   | ①        | 13.1    | 15.0    | 9.4     | 68 47          |              | NNW 14.3          | 18.64           | 19.5 17.3 | 34.552     |
| 9   | ①        | 10.2    | 11.7    | 8.0     | 64 34          |              | NNW 16.5          | 16.06           | 17.7 15.6 | 35.054     |
| 10  | ○        | 10.1    | 13.6    | 4.3     | 87 50          |              | N 10.7            | 16.57           | 18.1 16.3 | 34.567     |
| 11  | ○        | 10.0    | 15.5    | 3.7     | 87 49          |              | NNW 5.7           | 17.51           | 18.4 16.6 | 34.517     |
| 12  | ○        | 13.3    | 16.6    | 7.8     | 99 59          |              | N 10.1            | 18.93           | 19.3 17.2 | 34.514     |
| 13  | ○        | 10.1    | 13.8    | 6.2     | 75 44          |              | NNE 10.5          | 18.66           | 19.3 17.0 | 34.578     |
| 14  | ☉        | 11.3    | 12.9    | 8.3     | 93 61          | 18.0         | NNW 15.8          | 18.87           | 19.6 16.3 | 34.287     |
| 15  | ①        | 10.3    | 12.7    | 8.3     | 77 47          |              | NNW 14.6          | 18.11           | 18.9 16.7 | 34.610     |
| 16  | ○        | 10.9    | 14.4    | 7.0     | 82 50          |              |                   | 18.64           | 18.9 16.9 | 34.648     |
| 17  | ○        | 11.0    | 15.6    | 5.7     | 90 51          |              | NNW 9.6           | 18.52           | 19.5 16.9 | 34.632     |
| 18  | ○        | 12.5    | 15.5    | 10.1    | 81 45          |              | N 11.7            | 18.71           | 19.4 18.0 | 34.644     |
| 19  | ○        | 7.8     | 10.2    | 4.6     | 66 50          |              | N 16.5            | 16.77           | 18.2 16.6 | 34.783     |
| 20  | ○        | 6.9     | 11.9    | 4.4     | 71 44          |              | N 9.6             | 17.31           | 18.3 16.0 | 34.740     |
| 21  | ①        | 9.9     | 16.0    | 5.4     | 90 54          |              | N 7.8             | 18.11           | 19.2 17.6 | 34.673     |
| 22  | ☉        | 10.1    | 11.0    | 6.9     | 92 62          | 8.5          | N 7.7             | 18.02           | 18.4 17.6 | 34.683     |
| 23  | ①        |         | 16.4    |         | 87 51          |              | NNW 7.2           | 18.79           | 19.1      | 34.656     |
| 24  | ☉        | 10.8    | 14.9    | 10.0    | 95 66          | 9.5          | N 8.8             | 18.06           | 19.0 17.7 | 34.618     |
| 25  | ○        | 9.6     | 16.1    | 5.4     | 96 55          |              | NNW 5.2           | 18.46           | 19.1 17.7 | 34.649     |
| 26  | ○        | 11.0    | 16.4    | 8.3     | 93 50          | 3.0          | NNW 9.0           | 18.25           | 19.2 17.7 | 34.636     |
| 27  | ☉        | 10.3    | 12.0    | 7.0     | 87 52          | 0.5          | N 13.5            | 18.86           | 19.5 17.2 | 34.738     |
| 28  | ①        | 7.7     | 10.2    | 4.2     | 69 43          |              | N 11.4            | 17.86           | 18.3 16.7 | 34.751     |
| 29  | ☉        | 8.6     | 10.2    | 4.0     | 74 51          |              | NNW 11.3          | 18.21           | 19.0 16.7 | 34.717     |
| 30  | ☉        | 9.7     | 12.4    | 6.7     | 80 54          |              | NNW 15.3          | 17.83           | 18.2 16.2 | 34.745     |
| 31  | ●        | 5.5     | 9.5     | 5.5     | 81 49          |              | NNW 13.5          | 16.41           | 17.1 14.8 | 34.772     |
| 合 計 |          |         |         |         |                | 39.5         |                   |                 |           |            |
| 平 均 |          | 10.6    | 14.5    | 6.5     | 83 50          | 17.1         |                   | 18.18           | 19.4 17.1 | 34.608     |
| 最 高 |          | 14.0    | 20.7    | 10.1    | 99 66          | 18.0         | N 16.5            | 19.60           | 22.6 19.6 | 35.054     |
| 最 低 |          | 5.5     | 9.5     | 4.0     | 64 34          | 14.8         |                   | 16.06           | 17.1 14.8 | 34.287     |