

# 海 洋 観 測 表

第 1 次 航 海

| 海 域 ・ 年 月                  |                      | 久米島北西 沖合定線  |          |             |           |             |          |             |   |   |        |  |
|----------------------------|----------------------|-------------|----------|-------------|-----------|-------------|----------|-------------|---|---|--------|--|
| 観測地点                       | St. No               | 1           |          | 1'          |           | 2           |          | 2'          |   | 3   |        |  |
|                            | Lat. N               | 26°-23'     |          | 26°-31'     |           | 26°-49'     |          | 26°-57'     |   | 27°-06'                                   |        |  |
|                            | Long. E              | 127°-17'    |          | 127°-27'    |           | 127°-33'    |          | 127°-20'    |   | 127°-06'                                  |        |  |
| 観測日時                       | 日                    | 29          |          | 29          |           | 29          |          | 29          |   | 29  |        |  |
|                            | 時 分                  | 12:25~14:12 |          | 15:30~15:57 |           | 17:00~18:05 |          | 19:19~19:44 |   | 21:10~22:38                               |        |  |
| 所<br>定<br>層                | 水<br>温<br>(°C)       | 0           | 25.0     |             | 25.2      |             | 24.5     |             | 26.1                                      |   | 26.1   |  |
|                            |                      | 10          | 25.09    |             | 25.3      |             | 23.85    |             | 26.0                                      |   | 25.97  |  |
|                            |                      | 20          | 24.73    |             | 24.2      |             | 23.68    |             | 25.3                                      |   | 25.89  |  |
|                            |                      | 30          | 23.59    |             | 23.9      |             | 23.57    |             | 24.9                                      |   | 25.61  |  |
|                            |                      | 50          | 23.19    |             | 23.1      |             | 23.09    |             | 24.2                                      |   | 25.43  |  |
|                            |                      | 75          | 22.88    |             | 22.5      |             | 22.41    |             | 23.4                                      |   | 24.94  |  |
|                            |                      | 100         | 21.89    |             | 22.1      |             | 21.58    |             | 23.1                                      |   | 23.61  |  |
|                            |                      | 150         | 21.18    |             | 21.0      |             | 20.77    |             | 21.5                                      |   | 22.09  |  |
|                            |                      | 200         | 19.86    |             | 19.7      |             | 19.90    |             | 20.1                                      |   | 20.73  |  |
|                            |                      | 300         | 16.23    |             | (250)18.4 |             | 17.24    |             | (250)18.3                                 |   | 17.41  |  |
|                            |                      | 400         | 13.64    |             |           |             | 13.92    |             |   |   | 13.99  |  |
|                            |                      | 500         | 10.81    |             |           |             | 11.00    |             |   |   | 11.44  |  |
|                            | 600                  |             |          |             |           |             |          |             |   | 600 <sup>8.78</sup> / <sub>700 8.36</sub> |        |  |
|                            | 塩<br>分<br>量<br>(‰)   | 0           | 34.462   |             | 34.673    |             | 34.718   |             | 34.700                                    |   | 34.644 |  |
|                            |                      | 10          | .512     |             |           |             | .795     |             |   |   | .668   |  |
|                            |                      | 20          | .832     |             |           |             | .904     |             |   |   | .722   |  |
|                            |                      | 30          | .939     |             |           |             | .932     |             |   |   | .754   |  |
|                            |                      | 50          | .961     |             |           |             | .945     |             |   |   | .826   |  |
|                            |                      | 75          | .979     |             |           |             | 35.041   |             |   |   | .866   |  |
|                            |                      | 100         | 35.015   |             |           |             | .052     |             |   |   | .892   |  |
| 150                        |                      | .084        |          |             |           | .078        |          |             |   | 35.012                                    |        |  |
| 200                        | .086                 |             |          |             | .092      |             |          |             | .070                                      |   |        |  |
| 300                        | 34.926               |             |          |             | 34.966    |             |          |             | 34.939                                    |   |        |  |
| 400                        | .780                 |             |          |             | .756      |             |          |             | .747                                      |   |        |  |
| 500                        | .631                 |             |          |             | .608      |             |          |             | .610                                      |   |        |  |
| 600                        |                      |             |          |             |           |             |          |             | 600 <sup>5.54</sup> / <sub>700 5.34</sub> |   |        |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類                | ⊕           | ⊗        |             |           | ⊕           | ⊗        |             |   | ⊕   | ⊗      |  |
|                            | 採集水層                 | 0           | 150→0    |             |           | 0           | 150→0    |             |   | 0   | 150→0  |  |
|                            | 曳網時間(分)              | 5           | 2.6      | B           | T         | 5           | 2.5      | B           | T   | 5   | 2.0    |  |
|                            | 尹水量(m <sup>3</sup> ) |             | 21.09    | 観 測         |           |             | 23.94    | 観 測         |   |   | 29.77  |  |
|                            | 沈澱量(cc)              | 25          | 3.7      |             |           | 112         | 6.2      |             |   | 86  | 13.0   |  |
| 湿重量(mg)                    |                      | 380         |          |             |           | 715         |          |             |   | 1,250                                     |        |  |
| 海 深(m)                     | 665                  |             | 600      |             | 535       |             | 600      |             | 1,300                                     |   |        |  |
| 水色・透明度(m)                  | 3・29                 |             | 3・—      |             | 3・23      |             | 3・—      |             | —・—                                       |   |        |  |
| 流向(°)・流速(Kt)               | 196.5・1.02           |             | 260・1.68 |             | 206・0.25  |             | 195・1.27 |             | 6・0.43                                    |   |        |  |
| 波浪・ウネリ                     | 2・SSW2               |             | 2・SE2    |             | 2・2       |             | 2・SSE3   |             | 2・2                                       |   |        |  |
| 風向・風力(m/s)                 | S・4                  |             | SSE・6    |             | SSE・6     |             | SSE・8    |             | SSE・6                                     |   |        |  |
| 気 温                        | 27.7                 |             | 26.2     |             | 26.0      |             | 25.2     |             | 25.2                                      |   |        |  |
| 雲形・雲量                      | Ac,Cc・4              |             | Ci,Ac・1  |             | Cc,Ac・8   |             | St,Cu・9  |             | —・—                                       |   |        |  |
| 天 気                        | bc                   |             | b        |             | c         |             | c        |             | r   |   |        |  |
| 気 圧(mb)                    | 1,014.7              |             | 1,013.3  |             | 1,013.5   |             | 1,013.2  |             | 1,012.9                                   |   |        |  |

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| 3'          |  | 4           |  | 4'          |  | 5           |  | 5'          |  | 6           |  | 6'          |  |
|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|-------------|--|
| 27-18'      |  | 27-24'      |  | 27-33'      |  | 27-42'      |  | 27-51'      |  | 28-00'      |  | 27-47'      |  |
| 126-40'     |  | 126-40'     |  | 126-26'     |  | 126-13'     |  | 125-59'     |  | 125-46'     |  | 125-38'     |  |
| 29~30       |  | 30          |  | 30          |  | 30          |  | 30          |  | 30          |  | 30          |  |
| 23:45~00:08 |  | 01:33~03:01 |  | 04:25~04:55 |  | 06:00~07:25 |  | 08:40~09:05 |  | 10:35~11:22 |  | 12:35~13:00 |  |
| 26.8        |  | 26.9        |  | 27.0        |  | 26.7        |  | 24.8        |  | 24.4        |  | 25.2        |  |
| 26.7        |  | 26.81       |  | 27.0        |  | 26.30       |  | 24.5        |  | 24.11       |  | 23.5        |  |
| 26.6        |  | 26.81       |  | 26.8        |  | 26.40       |  | 24.4        |  | 24.26       |  | 22.8        |  |
| 26.5        |  | 26.64       |  | 26.6        |  | 26.32       |  | 24.0        |  | 24.17       |  | 21.9        |  |
| 25.9        |  | 26.74       |  | 26.5        |  | 26.10       |  | 22.2        |  | 21.26       |  | 20.6        |  |
| 25.0        |  | 26.58       |  | 26.0        |  | 25.39       |  | 20.4        |  | 18.24       |  | 18.4        |  |
| 24.3        |  | 25.80       |  | 24.4        |  | 23.41       |  | 17.8        |  | 18.12       |  | (95)18.4    |  |
| 23.3        |  | 22.67       |  | 21.5        |  | 19.19       |  |             |  |             |  |             |  |
| 20.1        |  | 20.58       |  | 18.8        |  | 13.74       |  |             |  |             |  |             |  |
| (250)19.2   |  | 14.99       |  | (250)15.3   |  | 10.59       |  |             |  |             |  |             |  |
|             |  | 10.61       |  |             |  |             |  |             |  |             |  |             |  |
|             |  | 8.39        |  |             |  |             |  |             |  |             |  |             |  |
|             |  | 7.04        |  |             |  |             |  |             |  |             |  |             |  |
| 34.557      |  | 34.722      |  | 34.650      |  | 34.664      |  | 34.256      |  | 34.599      |  | 34.507      |  |
|             |  | .704        |  |             |  | .718        |  |             |  | .650        |  |             |  |
|             |  | .704        |  |             |  | .727        |  |             |  | .650        |  |             |  |
|             |  | .704        |  |             |  | .727        |  |             |  | .650        |  |             |  |
|             |  | .704        |  |             |  | .792        |  |             |  | .828        |  |             |  |
|             |  | .722        |  |             |  | .893        |  |             |  | .828        |  |             |  |
|             |  | .832        |  |             |  | .816        |  |             |  | .847        |  |             |  |
|             |  | .996        |  |             |  | .984        |  |             |  |             |  |             |  |
|             |  | 35.104      |  |             |  | .708        |  |             |  |             |  |             |  |
|             |  | 34.813      |  |             |  | .552        |  |             |  |             |  |             |  |
|             |  | .641        |  |             |  |             |  |             |  |             |  |             |  |
|             |  | .566        |  |             |  |             |  |             |  |             |  |             |  |
|             |  | .562        |  |             |  |             |  |             |  |             |  |             |  |
|             |  | ⊕           |  | ⊕           |  | ⊕           |  | ⊕           |  | ⊕           |  | ⊕           |  |
|             |  | 0           |  | 150→0       |  | 0           |  | 150→0       |  | 0           |  | 100→0       |  |
| B           |  | T           |  | B           |  | T           |  | B           |  | T           |  | B           |  |
| 観           |  | 測           |  | 観           |  | 測           |  | 観           |  | 測           |  | 観           |  |
|             |  | 5           |  | 2.7         |  | 5           |  | 2.5         |  | 5           |  | 1.4         |  |
|             |  | 24.14       |  |             |  | 27.01       |  |             |  | 9.75        |  |             |  |
|             |  | 80          |  | 8.5         |  | 86          |  | 10.2        |  | 240         |  | 17.4        |  |
|             |  | 987         |  |             |  | 1,173       |  |             |  | 1,759       |  |             |  |
| 1,600       |  | 1,600       |  | 1,600       |  | 700         |  | 120         |  | 112         |  | 110         |  |
| -           |  | -           |  | -           |  | 3.22        |  | 3. -        |  | 3.22        |  | 3. -        |  |
| 38.5.0.69   |  | 40.1.34     |  | 72.0.56     |  | 20.1.12     |  | 40.0.48     |  | 94.0.47     |  | 100.1.41    |  |
| 2.3         |  | 2.SSW2      |  | 1.1         |  | 1.1         |  | 2.2         |  | 1.S1        |  | 1.S1        |  |
| S.6         |  | SSW.5       |  | SSW.5       |  | S.4         |  | S.8         |  | WSW.2       |  | SW.1        |  |
| 25.7        |  | 25.9        |  | 25.9        |  | 26.4        |  | 24.0        |  | 24.4        |  | 25.0        |  |
| -           |  | -           |  | -           |  | St.10       |  | - .10       |  | St.10       |  | St.10       |  |
| c           |  | c'          |  | c           |  | c           |  | r           |  | c           |  | r           |  |
| 1,013.5     |  | 1,012.5     |  | 1,012.0     |  | 1,011.5     |  | 1,012.5     |  | 1,012.8     |  | 1,012.5     |  |

# 海 洋 観 測 表

第 1 次 航 海

| 海 域 ・ 年 月          |                         | 久 米 島 北 西 沖 合 定 線 |          |             |           |             |          |             |   |   |       |
|--------------------|-------------------------|-------------------|----------|-------------|-----------|-------------|----------|-------------|---|---|-------|
| 観 測 地 点            | St. No                  | 7                 |          | 7'          |           | 8           |          | 8'          |   | 9   |       |
|                    | Lat. N                  | 27°-35'           |          | 27°-21'     |           | 27°-08'     |          | 26°-59'     |   | 26°-50'   |       |
|                    | Long. E                 | 125°-30'          |          | 125°-22'    |           | 125°-13'    |          | 125°-27'    |   | 125°-40'  |       |
| 観 測 日 時            | 日                       | 30                |          | 30          |           | 30          |          | 30          |   | 30  |       |
|                    | 時 分                     | 14:20~15:00       |          | 16:10~16:35 |           | 18:00~18:45 |          | 20:05~20:34 |   | 21:50~23:06   |       |
| 所 定 層              | 水 温<br>(°C)             | 0                 | 24.9     | 25.6        | 26.0      | 25.5        | 25.8     |             |   |   |       |
|                    |                         | 10                | 24.49    | 25.4        | 25.61     | 23.7        | 25.64    |             |   |   |       |
|                    |                         | 20                | 22.58    | 22.4        | 25.21     | 22.8        | 24.47    |             |   |   |       |
|                    |                         | 30                | 21.96    | 21.5        | 23.41     | 22.0        | 24.00    |             |   |   |       |
|                    |                         | 50                | 21.06    | 20.6        | 21.22     | 20.4        | 22.29    |             |   |   |       |
|                    |                         | 75                | 19.16    | 19.0        | 18.84     | 18.7        | 20.83    |             |   |   |       |
|                    |                         | 100               | 17.40    | (90)17.8    | 17.08     | 17.6        | 19.18    |             |   |   |       |
|                    |                         | 150               |          |             |           | (130)15.2   | 14.99    |             |   |   |       |
|                    |                         | 200               |          |             |           |             | 12.38    |             |   |   |       |
|                    |                         | 300               |          |             |           |             | 10.66    |             |   |   |       |
|                    | 400                     |                   |          |             |           | 9.59        |          |             |   |   |       |
|                    | 500                     |                   |          |             |           | 7.79        |          |             |   |   |       |
|                    | 600                     |                   |          |             |           |             |          |             |   | <sup>600</sup> / <sub>700</sub> 6.5 <sup>3</sup> / <sub>5.8</sub> |       |
|                    | 分 量<br>(‰)              | 0                 | 34.563   | 34.563      | 34.545    | 34.465      | 34.411   |             |   |   |       |
|                    |                         | 10                | .563     |             | .638      |             | .512     |             |   |   |       |
|                    |                         | 20                | .505     |             | .648      |             | .594     |             |   |   |       |
|                    |                         | 30                | .466     |             | .716      |             | .594     |             |   |   |       |
|                    |                         | 50                | .644     |             | .824      |             | .797     |             |   |   |       |
|                    |                         | 75                | .691     |             | .744      |             | .854     |             |   |   |       |
| 100                |                         | .751              |          | .846        |           | .893        |          |             |   |   |       |
| 150                |                         |                   |          |             |           | .737        |          |             |   |   |       |
| 200                |                         |                   |          |             |           | .588        |          |             |   |   |       |
| 300                |                         |                   |          |             |           | .513        |          |             |   |   |       |
| 400                |                         |                   |          |             | .498      |             |          |             |   |   |       |
| 500                |                         |                   |          |             | .481      |             |          |             |   |   |       |
| 600                |                         |                   |          |             |           |             |          |             | <sup>600</sup> / <sub>700</sub> 4.8 <sup>9</sup> / <sub>5</sub> |   |       |
| プ ラ ン ク ト ン        | ネ ッ ト 種 類               | ㊟                 | ㊞        |             |           | ㊟           | ㊞        |             |   | ㊟   | ㊞     |
|                    | 採 集 水 層                 | 0                 | 100→0    |             |           | 0           | 100→0    |             |   | 0   | 150→0 |
|                    | 曳 網 時 間 (分)             | 5                 | 1.8      | B           | T         | 5           | 1.6      | B           | T   | 5   | 2.2   |
|                    | 浮 水 量 (m <sup>3</sup> ) |                   | 8.97     | 観           | 測         |             | 11.70    | 観           | 測   |   | 22.92 |
|                    | 沈 澱 量 (cc)              | 179               | 15.8     |             |           | 93          | 12.0     |             |   | 295   | 16.4  |
| 湿 重 量 (mg)         |                         | 1,384             |          |             |           | 1,287       |          |             |   | 2,073   |       |
| 海 深 (m)            | 112                     |                   | 112      |             | 116       |             | 148      |             | 900   |   |       |
| 水 色 ・ 透 明 度 (m)    | 3・21                    |                   | 3・—      |             | 3・16      |             | —・—      |             | —・—   |   |       |
| 流 向 (°) ・ 流 速 (Kt) | 125・0.91                |                   | 124・0.98 |             | 86.5・0.40 |             | 232・0.56 |             | 351・0.55  |   |       |
| 波 浪 ・ ウ ネ リ        | 1・1                     |                   | 2・2      |             | 2・SSE2    |             | 2・2      |             | 2・SSW2  |   |       |
| 風 向 ・ 風 力 (m/s)    | SSW・2                   |                   | SSW・5    |             | WSW・4     |             | W・4      |             | S・5   |   |       |
| 気 温                | 24.6                    |                   | 26.2     |             | 25.4      |             | 25.5     |             | 25.7  |   |       |
| 雲 形 ・ 雲 量          | St・10                   |                   | St・10    |             | St,Ac・9   |             | —・—      |             | —・—   |   |       |
| 天 氣                | c                       |                   | c        |             | c         |             | c        |             | c   |   |       |
| 気 圧 (mb)           | 1,012.0                 |                   | 1,011.0  |             | 1,011.6   |             | 1,012.0  |             | 1,012.5   |   |       |

昭和 55 年 5 月

| 9'          | 10          | 10'         | 11                                  | 11'         | 12          |       |   |
|-------------|-------------|-------------|-------------------------------------|-------------|-------------|-------|---|
| 26°-43'     | 26°-32'     | 26°-23'     | 26°-13'                             | 26°-04'     | 25°-54'     |       |   |
| 125°-50'    | 126°-05'    | 126°-18'    | 126°-34'                            | 126°-45'    | 127°-00'    |       |   |
| 31          | 31          | 31          | 31                                  | 31          | 31          |       |   |
| 00:25~00:48 | 02:00~03:20 | 04:26~04:54 | 06:17~07:31                         | 08:40~09:00 | 10:06~11:47 |       |   |
| 25.8        | 26.6        | 27.0        | 27.0                                | 27.1        | 27.1        |       |   |
| 25.7        | 26.46       | 27.0        | 26.93                               | 27.0        | 26.73       |       |   |
| 25.6        | 26.88       | 27.0        | 26.92                               | 26.9        | 26.78       |       |   |
| 25.3        | 26.33       | 26.8        | 26.92                               | 26.7        | 26.58       |       |   |
| 24.9        | 26.00       | 26.7        | 26.75                               | 26.5        | 26.21       |       |   |
| 22.5        | 25.87       | 25.8        | 26.21                               | 25.1        | 25.11       |       |   |
| 19.7        | 25.83       | 24.6        | 25.12                               | 24.3        | 24.03       |       |   |
| 18.0        | 24.14       | 22.3        | 22.57                               | 22.7        | 22.57       |       |   |
| 16.6        | 20.43       | 21.4        | 21.05                               | 21.5        | 20.71       |       |   |
| (250)14.7   | 12.41       | (250)19.9   | 17.09                               | (250)19.7   | 16.41       |       |   |
|             | 9.14        |             | 14.21                               |             | 14.26       |       |   |
|             | 7.79        |             | 11.79                               |             | 10.83       |       |   |
|             |             |             | $\frac{600}{800} \frac{9.39}{5.91}$ |             | 8.49        |       |   |
| 344.29      | 344.02      | 346.17      | 346.95                              | 346.35      | 346.26      |       |   |
|             | .315        |             | .644                                |             | .635        |       |   |
|             | .695        |             | .644                                |             | .677        |       |   |
|             | .613        |             | .644                                |             | .722        |       |   |
|             | .624        |             | .664                                |             | .730        |       |   |
|             | .658        |             | .823                                |             | .929        |       |   |
|             | .683        |             | .984                                |             | 35.064      |       |   |
|             | 35.043      |             | 35.097                              |             | .115        |       |   |
|             | 34.993      |             | .081                                |             | .094        |       |   |
|             | .624        |             | 34.902                              |             | 34.886      |       |   |
|             | .492        |             | .726                                |             | .763        |       |   |
|             | .485        |             | .578                                |             | .605        |       |   |
|             |             |             | $\frac{600}{800} \frac{5.14}{5.16}$ |             | .531        |       |   |
|             | ⊕           | ⊗           | ⊕                                   | ⊗           | ⊕           | ⊗     |   |
|             | 0           | 150→0       | 0                                   | 150→0       | 0           | 150→0 |   |
| B           | T           | B           | T                                   | B           | T           | B     | T |
| 観           | 測           | 観           | 測                                   | 観           | 測           | 観     | 測 |
|             | 5           | 2.7         | 5                                   | 2.4         | 5           | 1.9   |   |
|             |             | 22.33       |                                     | 20.431      |             | 17.29 |   |
|             | 154         | 13.0        | 37                                  | 5.6         | 6           | 4.5   |   |
|             |             | 1,302       |                                     | 472         |             | 372   |   |
| 1,500       | 1,800       | 1,300       | 1,380                               | 1,300       | 1,370       |       |   |
| - . -       | - . -       | - . -       | 3.26                                | 3. -        | 3.32        |       |   |
| 40.198      | 80.199      | 63.080      | 113.054                             | 105.126     | 156.142     |       |   |
| 2.2         | 2.2         | 2.2         | 2. SSW2                             | 2.3         | 2. SW2      |       |   |
| SSW.2       | SSW.3       | WSW.5       | SSW.5                               | SSW.6       | SSW.5       |       |   |
| 25.7        | 26.2        | 26.2        | 26.5                                | 26.7        | 27.3        |       |   |
| - . -       | - . -       | - . -       | St, Ac.9                            | Cu, Ci.4    | Sc. 4       |       |   |
| c           | bc          | bc          | c                                   | bc          | bc          |       |   |
| 1,012.0     | 1,011.5     | 1,011.9     | 1,012.0                             | 1,012.5     | 1,013.1     |       |   |

# 海 洋 観 測 表

第 2 次 航 海

| 海 域 ・ 年 月                  |             | 久 米 島 北 西 沖 合 定 線 |             |             |  |  |          |     |          |  |  |
|----------------------------|-------------|-------------------|-------------|-------------|--|--|----------|-----|----------|--|--|
| 観 測 地 点                    | St. No      | 1                 | 1'          | 2           | 2'   | 3  |          |     |          |  |  |
|                            | Lat. N      | 26°-23'           | 26°-31'     | 26°-49'     | 26°-57'                                    | 27°-06'                                    |          |     |          |  |  |
|                            | Long. E     | 127°-17'          | 127°-27'    | 127°-33'    | 127°-20'                                   | 127°-06'                                   |          |     |          |  |  |
| 観 測 日 時                    | 日           | 19                | 19          | 19          | 19   | 19~20                                      |          |     |          |  |  |
|                            | 時 分         | 14:05~15:48       | 17:20~17:45 | 19:05~20:06 | 21:43~22:14                                | 23:35~00:40                                |          |     |          |  |  |
| 所 定 層                      | 水 温<br>(°C) | 0                 | 30.7        | 31.1        | 30.6                                       | 30.8                                       | 30.2     |     |          |  |  |
|                            |             | 10                | 29.91       | 29.81       | 29.86                                      | 30.22                                      | 29.67    |     |          |  |  |
|                            |             | 20                | 29.79       | 29.28       | 29.60                                      | 29.91                                      | 29.67    |     |          |  |  |
|                            |             | 30                | 29.43       | 28.69       | 28.64                                      | 29.30                                      | 29.27    |     |          |  |  |
|                            |             | 50                | 28.03       | 27.21       | 27.16                                      | 27.79                                      | 27.23    |     |          |  |  |
|                            |             | 75                | 24.91       | 24.54       | 24.18                                      | 24.63                                      | 24.41    |     |          |  |  |
|                            |             | 100               | 23.52       | 23.16       | 22.58                                      | 22.75                                      | 23.59    |     |          |  |  |
|                            |             | 150               | 21.03       | 20.48       | 20.89                                      | 21.26                                      | 21.63    |     |          |  |  |
|                            |             | 200               | 19.62       | 19.57       | 19.13                                      | 19.54                                      | 19.81    |     |          |  |  |
|                            |             | 300               | 16.21       | 16.50       | 17.04                                      | 16.72                                      | 16.68    |     |          |  |  |
|                            | 400         | 13.28             | 13.77       | 13.57       | 13.61                                      | 13.27                                      |          |     |          |  |  |
|                            | 500         | 10.58             | 10.71       | 11.17       | 11.49                                      | 10.39                                      |          |     |          |  |  |
|                            | 600         | 8.14              | 8.50        |             | <sup>600</sup> 8.56<br><sub>800</sub> 8.44 | <sup>600</sup> 8.47<br><sub>700</sub> 8.96 |          |     |          |  |  |
|                            | 塩 分<br>(‰)  | 0                 | 34.713      | 34.686      | 34.704                                     | 34.686                                     | 34.659   |     |          |  |  |
|                            |             | 10                | .709        |             | .704                                       |  | .659     |     |          |  |  |
|                            |             | 20                | .703        |             | .722                                       |  | .659     |     |          |  |  |
|                            |             | 30                | .692        |             | .722                                       |  | .673     |     |          |  |  |
|                            |             | 50                | .733        |             | .751                                       |  | .733     |     |          |  |  |
|                            |             | 75                | .843        |             | .856                                       |  | .861     |     |          |  |  |
|                            |             | 100               | .879        |             | .942                                       |  | .915     |     |          |  |  |
| 150                        |             | .939              |             | .957        |  | .933                                       |          |     |          |  |  |
| 200                        |             | .939              |             | .933        |  | .933                                       |          |     |          |  |  |
| 300                        |             | .802              |             | .852        |  | .799                                       |          |     |          |  |  |
| 400                        | .602        |                   | .626        |             | .580                                       |  |          |     |          |  |  |
| 500                        | .505        |                   | .494        |             | .383                                       |  |          |     |          |  |  |
| 600                        | .406        |                   |             |             | <sup>3</sup> 3.2<br><sub>2</sub> 3.2       |  |          |     |          |  |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類       | ⊕                 | ⊗           |             | ⊕  | ⊗  |          | ⊕   | ⊗        |  |  |
|                            | 採集水層        | 0                 | 150→0       |             | 0  | 150→0                                      |          | 0   | 150→0    |  |  |
|                            | 曳網時間(分)     | 5                 | 2.4         | D B T       | 5  | 2.8  | D B T    | 5   | 2.6      |  |  |
|                            | 浮水量(m³)     |                   | 20.63       | 観 測         |  | 18.71                                      | 観 測      |     | 18.71    |  |  |
|                            | 沈澱量(cc)     | 20                | 7.0         |             | 106  | 6.4  |          | 106 | 6.4      |  |  |
| 湿重量(mg)                    |             | 653               |             |             | 609  |  |          | 801 |          |  |  |
| 海 深 (m)                    | 714         |                   | 666         |             | 515  |  | —        |     | 1,445    |  |  |
| 水色・透明度(m)                  | 2.41        |                   | 3.34        |             | —  |  | —        |     | —        |  |  |
| 流向(°)・流速(Kt)               | 215・0.72    |                   | 191・0.84    |             | 300・0.24                                   |  | 188・0.66 |     | 240・0.78 |  |  |
| 波浪・ウネリ                     | 1.1         |                   | 1.1         |             | 1.1  |  | 1.1      |     | 1.1      |  |  |
| 風向・風力(m/s)                 | WNW・2       |                   | SE・1.5      |             | S・1  |  | W・1      |     | SE・2     |  |  |
| 気 温                        | 30.2        |                   | 30.0        |             | 29.4                                       |  | 28.6     |     | 28.0     |  |  |
| 雲形・雲量                      | Ac,Cu・3     |                   | Cu・7        |             | Ci,Cu・3                                    |  | —・3      |     | —・0      |  |  |
| 天 気                        | bc          |                   | bc          |             | bc   |  | bc       |     | b        |  |  |
| 気 圧 (mb)                   | 1,016.2     |                   | 1,016.0     |             | 1,016.2                                    |  | 1,017.0  |     | 1,016.6  |  |  |

| 測量 成果 表                                       |   |             |             |             |             |             |
|---|---|-------------|-------------|-------------|-------------|-------------|
| 昭和 55 年 8 月                                   |   |             |             |             |             |             |
| 3'  | 4   | 4'          | 5           | 5'          | 6           | 6'          |
| 27°-15'                                       | 27°-24'                                       | 27°-33'     | 27°-42'     | 27°-51'     | 28°-00'     | 27°-27'     |
| 126°-40'                                      | 126°-40'                                      | 126°-26'    | 126°-13'    | 125°-59'    | 125°-46'    | 125°-38'    |
| 20  | 20  | 20          | 20          | 20          | 20          | 20          |
| 02:15~02:40                                   | 04:15~05:20                                   | 06:42~07:20 | 08:52~10:04 | 11:45~12:00 | 13:40~14:09 | 15:40~16:00 |
| 29.9  | 29.8  | 29.7        | 29.6        | 29.6        | 29.8        | 29.8        |
| 29.90   | 29.62   | 29.3        | 29.36       | 28.9        | 29.54       | 29.33       |
| 29.68   | 28.90   | 29.0        | 29.25       | 28.3        | 29.19       | 28.83       |
| 29.16   | 28.83   | 28.1        | 28.42       | 27.6        | 29.07       | 28.13       |
| 28.59   | 28.11   | 27.5        | 27.21       | 25.9        | 27.37       | 24.61       |
| 26.98   | 26.30   | 26.5        | 25.87       | 23.0        | 22.90       | 21.87       |
| 25.43   | 24.74   | 24.3        | 24.14       | 20.7        | 17.97       | (90)20.30   |
| 22.88   | 22.05   | 22.1        | 21.99       |             |             |             |
| 20.53   | 19.74   | 20.2        | 18.77       |             |             |             |
| 17.10   | 16.59   | (230)18.4   | 12.09       |             |             |             |
| 14.40   | 13.96   |             | 9.09        |             |             |             |
| 10.85   | 8.90  |             | 7.46        |             |             |             |
| $\frac{600}{800} \frac{8.2}{5.6} \frac{8}{4}$ | $\frac{600}{700} \frac{7.3}{6.4} \frac{2}{4}$ |             |             |             |             |             |
| 34.567  | 34.494  | 34.567      | 34.548      | 34.100      | 34.119      | 34.097      |
|   | .494  |             | .594        |             | .119        |             |
|   | .604  |             | .563        |             | .128        |             |
|   | .695  |             | .613        |             | .119        |             |
|   | .664  |             | .709        |             | .247        |             |
|   | .733  |             | .819        |             | .521        |             |
|   | .861  |             | .871        |             | .686        |             |
|   | .953  |             | .894        |             |             |             |
|   | .942  |             | .818        |             |             |             |
|   | .792  |             | .499        |             |             |             |
|   | .616  |             | .362        |             |             |             |
|   | .368  |             | .369        |             |             |             |
|   | $\frac{3}{3} \frac{11}{1}$                    |             |             |             |             |             |
|   | ⊕ ⊕   |             | ⊕ ⊕         |             | ⊕ ⊕         |             |
|   | 0 150→0                                       |             | 0 150→0     |             | 0 100→0     |             |
| D B T   | 5 2.7   | D B T       | 5 1.9       | D B T       | 5 1.7       | D B T       |
| 観 測   | 17.21   | 観 測         | 23.27       | 観 測         | 12.10       | 観 測         |
|   | 31 8.0  |             | 20 10.4     |             | 25 14.8     |             |
|   | 614   |             | 862         |             | 1,043       |             |
|   |   |             |             | 112         | 100         | 100         |
|   |   | 3・30        | 3・32        | 3・          | 3・29        | 3・25        |
| 272・0.74                                      | 355・0.67                                      | 29・1.38     | 60・1.36     | 49・0.44     | 254・0.40    | 54・0.11     |
| 1・1   | 1・1   | 1・1         | 2・1         | 1・1         | 2・1         | 2・1         |
| SSW・4.5                                       | WSW・4   | SW・4.5      | SW・4        | W・5         | WSW・4.5     | SW・3        |
| 28.0  | 27.9  | 28.0        | 30.8        | 31.3        | 31.2        | 31.8        |
| -・0   | -・0   | Cu・1        | Ci,Cu・3     | Ci,Cu・3     | Ci・1        | Ci,Cu・2     |
| b   | b   | b           | bc          | bc          | bc          | bc          |
| 1,015.5                                       | 1,015.6                                       | 1,015.8     | 1,017.0     | 1,016.8     | 1,015.5     | 1,015.0     |

# 海 洋 観 測 表

第 2 次 航 海

| 海 域 ・ 年 月                  |                         | 久 米 島 北 西 沖 合 定 線 |             |             |             |             |        |     |   |       |       |   |     |
|----------------------------|-------------------------|-------------------|-------------|-------------|-------------|-------------|--------|-----|---|-------|-------|---|-----|
| 観 測 地 点                    | St. No                  | 7                 | 7'          | 8           | 8'          | 9           |        |     |   |       |       |   |     |
|                            | Lat. N                  | 27°-35'           | 27°-21'     | 27°-08'     | 26°-59'     | 26°-50'     |        |     |   |       |       |   |     |
|                            | Long. E                 | 125°-30'          | 125°-22'    | 125°-13'    | 125°-27'    | 125°-40'    |        |     |   |       |       |   |     |
| 観 測 日 時                    | 日                       | 20                | 20          | 20          | 20          | 21          |        |     |   |       |       |   |     |
|                            | 時 分                     | 17:30~18:20       | 19:54~20:00 | 21:40~22:13 | 23:47~00:00 | 01:40~02:50 |        |     |   |       |       |   |     |
| 所 定 層                      | 水 温<br>(°C)             | 0                 | 29.9        | 29.7        | 29.7        | 29.6        | 29.8   |     |   |       |       |   |     |
|                            |                         | 10                | 29.69       | 29.46       | 29.66       | 29.40       | 28.74  |     |   |       |       |   |     |
|                            |                         | 20                | 29.39       | 29.27       | 29.46       | 29.24       | 28.27  |     |   |       |       |   |     |
|                            |                         | 30                | 28.50       | 28.53       | 29.19       | 28.46       | 28.00  |     |   |       |       |   |     |
|                            |                         | 50                | 25.21       | 25.16       | 27.26       | 25.57       | 27.22  |     |   |       |       |   |     |
|                            |                         | 75                | 20.86       | 20.51       | 21.14       | 21.17       | 26.29  |     |   |       |       |   |     |
|                            |                         | 100               | 18.89       | 18.28       | 18.72       | 19.48       | 24.76  |     |   |       |       |   |     |
|                            |                         | 150               |             |             |             | (120)18.61  | 18.25  |     |   |       |       |   |     |
|                            |                         | 200               |             |             |             |             | 16.26  |     |   |       |       |   |     |
|                            |                         | 300               |             |             |             |             | 11.76  |     |   |       |       |   |     |
|                            | 400                     |                   |             |             |             | 9.01        |        |     |   |       |       |   |     |
|                            | 500                     |                   |             |             |             | 7.92        |        |     |   |       |       |   |     |
|                            | 600                     |                   |             |             |             |             |        |     |   |       |       |   |     |
|                            | 塩 分<br>(‰)              | 0                 | 34.137      | 34.247      | 34.165      | 34.073      | 34.321 |     |   |       |       |   |     |
|                            |                         | 10                | .119        |             | .165        |             | .343   |     |   |       |       |   |     |
|                            |                         | 20                | .131        |             | .124        |             | .375   |     |   |       |       |   |     |
|                            |                         | 30                | .224        |             | .097        |             | .438   |     |   |       |       |   |     |
|                            |                         | 50                | .436        |             | .310        |             | .438   |     |   |       |       |   |     |
|                            |                         | 75                | .793        |             | .727        |             | .438   |     |   |       |       |   |     |
|                            |                         | 100               | .787        |             | .769        |             | .677   |     |   |       |       |   |     |
| 150                        |                         |                   |             |             |             | .802        |        |     |   |       |       |   |     |
| 200                        |                         |                   |             |             |             | .737        |        |     |   |       |       |   |     |
| 300                        |                         |                   |             |             |             | .502        |        |     |   |       |       |   |     |
| 400                        |                         |                   |             |             | .366        |             |        |     |   |       |       |   |     |
| 500                        |                         |                   |             |             | .366        |             |        |     |   |       |       |   |     |
| 600                        |                         |                   |             |             |             |             |        |     |   |       |       |   |     |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類                   | ㊟                 | ㊿           |             |             | ㊟           | ㊿      |     |   | ㊟     | ㊿     |   |     |
|                            | 採 集 水 層                 | 0                 | 100→0       |             |             | 0           | 100→0  |     |   | 0     | 150→0 |   |     |
|                            | 曳 網 時 間 (分)             | 5                 | 1.6         | D           | B           | T           | 5      | 1.5 | D | B     | T     | 5 | 2.5 |
|                            | 戸 水 量 (m <sup>3</sup> ) |                   | 10.97       | 観           | 測           |             | 9.23   | 観   | 測 |       | 16.96 |   |     |
|                            | 沈 澱 量 (cc)              | 56                | 6.5         |             |             | 124         | 7.0    |     |   | 112   | 12.5  |   |     |
| 湿 重 量 (mg)                 |                         | 622               |             |             |             | 678         |        |     |   | 1,141 |       |   |     |
| 海 深 (m)                    | 105                     | 110               | 110         | 140         | 675         |             |        |     |   |       |       |   |     |
| 水 色 ・ 透 明 度 (m)            | 3・24                    | —・—               | —・—         | —・—         | —・—         |             |        |     |   |       |       |   |     |
| 流 向 (°) ・ 流 速 (Kt)         | 147・0.37                | 178・0.75          | 195・0.64    | 69・0.77     | 66・0.80     |             |        |     |   |       |       |   |     |
| 波 浪 ・ ウ ネ リ                | 1・1                     | 1・1               | 2・1         | 2・1         | 1・1         |             |        |     |   |       |       |   |     |
| 風 向 ・ 風 力 (m/s)            | SW・3                    | SSW・3.5           | SSW・3       | S・3         | SSE・1       |             |        |     |   |       |       |   |     |
| 気 温                        | 31.4                    | 30.4              | 30.1        | 30.0        | 30.0        |             |        |     |   |       |       |   |     |
| 雲 形 ・ 雲 量                  | Ci・3                    | Cb・3              | —・5         | —・1         | —・1         |             |        |     |   |       |       |   |     |
| 天 氣                        | bc                      | bc                | bc          | bc          | b           |             |        |     |   |       |       |   |     |
| 気 圧 (mb)                   | 1,014.7                 | 1,015.0           | 1,015.5     | 1,015.9     | 1,015.9     |             |        |     |   |       |       |   |     |

昭和 55 年 6 月

| 9'                                  | 10                                  | 10'                                 | 11                                  | 11'                                 | 12                                  |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 26°-43'                             | 26°-32'                             | 26°-23'                             | 26°-13'                             | 26°-04'                             | 25°-54'                             |
| 125°-50'                            | 126°-05'                            | 126°-18'                            | 126°-34'                            | 126°-45'                            | 127°-00'                            |
| 21                                  | 21                                  | 21                                  | 21                                  | 21                                  | 21                                  |
| 04:00~04:16                         | 06:00~07:09                         | 09:45~10:05                         | 10:23~11:35                         | 13:10~13:35                         | 15:30~17:00                         |
| 29.7                                | 29.9                                | 30.8                                | 30.2                                | 30.8                                | 30.6                                |
| 29.02                               | 28.82                               | 29.09                               | 29.82                               | 30.41                               | 29.97                               |
| 28.16                               | 28.50                               | 28.60                               | 29.38                               | 29.99                               | 29.36                               |
| 27.77                               | 27.77                               | 28.37                               | 28.27                               | 29.40                               | 28.71                               |
| 27.07                               | 27.09                               | 27.29                               | 27.54                               | 27.86                               | 26.95                               |
| 26.04                               | 26.42                               | 26.16                               | 26.71                               | 26.70                               | 25.02                               |
| 24.58                               | 25.36                               | 25.13                               | 25.05                               | 24.75                               | 23.27                               |
| 19.33                               | 22.14                               | 22.75                               | 22.68                               | 22.18                               | 21.01                               |
| 17.10                               | 19.78                               | 19.87                               | 19.79                               | 20.19                               | 19.57                               |
| 13.56                               | 14.84                               | 16.42                               | 16.48                               | 17.00                               | 16.42                               |
| 10.24                               | 11.68                               | 13.80                               | 13.18                               | 14.44                               | 14.00                               |
| 7.88                                | 9.83                                | 10.91                               | 10.24                               | 12.14                               | 10.49                               |
| $\frac{600}{700} \frac{6.73}{5.99}$ | $\frac{600}{700} \frac{8.31}{6.73}$ | $\frac{600}{700} \frac{8.49}{7.09}$ | $\frac{600}{700} \frac{9.71}{7.76}$ | $\frac{600}{800} \frac{8.21}{5.60}$ | $\frac{600}{700} \frac{7.73}{6.32}$ |
| 34.388                              | 34.420                              | 34.330                              | 34.494                              | 34.626                              | 34.632                              |
|                                     | .399                                |                                     | .485                                |                                     | .626                                |
|                                     | .399                                |                                     | .632                                |                                     | .623                                |
|                                     | .420                                |                                     | .641                                |                                     | .623                                |
|                                     | .485                                |                                     | .632                                |                                     | .692                                |
|                                     | .604                                |                                     | .698                                |                                     | .762                                |
|                                     | .751                                |                                     | .805                                |                                     | .830                                |
|                                     | .856                                |                                     | .894                                |                                     | .886                                |
|                                     | .864                                |                                     | .874                                |                                     | .870                                |
|                                     | .617                                |                                     | .844                                |                                     | .721                                |
|                                     | .330                                |                                     | .695                                |                                     | .537                                |
|                                     | .329                                |                                     | .493                                |                                     | .326                                |
|                                     | .344                                |                                     | .356                                |                                     | $\frac{600}{700} \frac{2.28}{2.48}$ |
|                                     | ⊕                                   | ⊗                                   | ⊕                                   | ⊗                                   | ⊕                                   |
|                                     | 0                                   | 150→0                               | 0                                   | 150→0                               | 0                                   |
| D B T                               | 5 2.4                               | D B T                               | 5 2.3                               | D B T                               | 5 2.6                               |
| 観 測                                 | 16.16                               | 観 測                                 | 20.85                               | 観 測                                 | 19.83                               |
|                                     | 136 9.0                             |                                     | 42 9.0                              |                                     | 56 8.8                              |
|                                     | 792                                 |                                     | 759                                 |                                     | 748                                 |
| —                                   | —                                   | —                                   | 1,200                               | —                                   | —                                   |
| — • —                               | — • —                               | 3•34                                | 3•31                                | 3•35                                | 3•32                                |
| 18•1.06                             | 73•1.04                             | 132•0.84                            | 166•0.49                            | 172•0.37                            | 162•0.64                            |
| 1•1                                 | 1•1                                 | 1•1                                 | 1•1                                 | 1•1                                 | 1•1                                 |
| ESE•1                               | NE•2                                | SE•2                                | ESE•3.5                             | ESE•3                               | SE•2                                |
| 30.0                                | 29.1                                | 30.8                                | 30.7                                | 30.8                                | 30.8                                |
| — • 1                               | Cb, Cu•5                            | Cc, Cb•2                            | Cb•3                                | Ci, Cu, Cb•4                        | Ci, Cu, Cb•3                        |
| b                                   | bc                                  | bc                                  | bc                                  | bc                                  | bc                                  |
| 1,015.2                             | 1,015.4                             | 1,015.2                             | 1,015.2                             | 1,014.6                             | 1,013.4                             |



# 海 洋 観 測 表

第 3 次 航 海

| 海 域 ・ 年 月                  |           | 久 米 島 北 西 沖 合 定 線 |             |             |             |             |            |            |            |            |       |  |
|----------------------------|-----------|-------------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------|--|
| 観 測 地 点                    | St. No    | 1                 | 1'          | 2           | 2'          | 3           |            |            |            |            |       |  |
|                            | Lat. N    | 26°-23'           | 26°-31'     | 26°-49'     | 26°-57'     | 27°-06'     |            |            |            |            |       |  |
|                            | Long. E   | 127°-17'          | 127°-27'    | 127°-33'    | 127°-20'    | 127°-06'    |            |            |            |            |       |  |
| 観 測 日 時                    | 日         | 2                 | 2           | 2           | 2           | 3           |            |            |            |            |       |  |
|                            | 時 分       | 13:38~16:00       | 17:26~18:10 | 19:35~21:05 | 22:39~23:23 | 00:55~02:35 |            |            |            |            |       |  |
| 所 定 層                      | 水 温<br>°C | 0                 | 24.6        | 24.8        | 24.5        | 24.9        | 24.9       |            |            |            |       |  |
|                            |           | 10                | 24.53       | 24.82       | 24.37       | 24.94       | 24.94      |            |            |            |       |  |
|                            |           | 20                | 24.52       | 24.83       | 24.39       | 24.93       | 24.93      |            |            |            |       |  |
|                            |           | 30                | 24.58       | 24.82       | 24.40       | 24.94       | 24.92      |            |            |            |       |  |
|                            |           | 50                | 24.60       | 24.82       | 24.40       | 24.93       | 24.91      |            |            |            |       |  |
|                            |           | 75                | 24.57       | 24.57       | 24.39       | 24.89       | 24.79      |            |            |            |       |  |
|                            |           | 100               | 24.56       | 24.54       | 24.33       | 24.80       | 24.63      |            |            |            |       |  |
|                            |           | 150               | 23.71       | 24.34       | 22.99       | 23.87       | 23.18      |            |            |            |       |  |
|                            |           | 200               | 21.12       | 21.83       | 20.63       | 21.96       | 21.08      |            |            |            |       |  |
|                            |           | 300               | 17.86       | 18.03       | 18.15       | 18.53       | 18.28      |            |            |            |       |  |
|                            | 400       | 15.26             | 14.94       | 15.04       | 15.37       | 15.00       |            |            |            |            |       |  |
|                            | 500       | 12.34             | 12.78       | 12.58       | 12.34       | 12.32       |            |            |            |            |       |  |
|                            | 600       | 9.96              | 10.22       |             |             |             | 600<br>700 | 9.6<br>7.6 | 600<br>800 | 9.4<br>5.3 |       |  |
|                            | 塩 分<br>‰  | 0                 | 34.763      | 34.787      | 34.796      | 34.787      | 34.787     |            |            |            |       |  |
|                            |           | 10                | .763        |             | .786        |             | .780       |            |            |            |       |  |
|                            |           | 20                | .763        |             | .761        |             | .780       |            |            |            |       |  |
|                            |           | 30                | .769        |             | .763        |             | .787       |            |            |            |       |  |
|                            |           | 50                | .769        |             | .768        |             | .787       |            |            |            |       |  |
|                            |           | 75                | .769        |             | .768        |             | .787       |            |            |            |       |  |
|                            |           | 100               | .769        |             | .764        |             | .790       |            |            |            |       |  |
| 150                        |           | .831              |             | .858        |             | .907        |            |            |            |            |       |  |
| 200                        |           | .878              |             | .867        |             | .897        |            |            |            |            |       |  |
| 300                        |           | .827              |             | .783        |             | .811        |            |            |            |            |       |  |
| 400                        | .646      |                   | .626        |             | .636        |             |            |            |            |            |       |  |
| 500                        | .476      |                   | .474        |             | .467        |             |            |            |            |            |       |  |
| 600                        | .398      |                   |             |             |             | 600<br>800  | .3<br>3.7  | .8<br>7.0  |            |            |       |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類     | ㊟                 | ㊿           |             |             | ㊟           | ㊿          |            |            | ㊟          | ㊿     |  |
|                            | 採集水層      | 0                 | 150→0       |             |             | 0           | 150→0      |            |            | 0          | 150→0 |  |
|                            | 曳網時間(分)   | 5                 | 5.7         | D           | B T         | 5           | 2.2        | D          | B T        | 5          | 1.8   |  |
|                            | 戸水量(m³)   |                   | 23.26       | 観           | 測           |             | 23.86      | 観          | 測          |            | 23.86 |  |
|                            | 沈澱量(cc)   | 25                | 4.4         |             |             | 136         | 5.0        |            |            | 68         | 5.7   |  |
| 湿重量(mg)                    |           | 400               |             |             |             | 425         |            |            |            | 526        |       |  |
| 海 深 (m)                    | 676       |                   | 670         |             | 575         |             | —          |            | 1,580      |            |       |  |
| 水色・透明度(m)                  | 2・19.0    |                   | —・—         |             | —・—         |             | —・—        |            | —・—        |            |       |  |
| 流向(°)・流速(Kt)               | 202・0.4   |                   | 171・0.9     |             | 219・0.5     |             | 177・1.0    |            | 180・0.2    |            |       |  |
| 波浪・ウネリ                     | 3・NW2     |                   | 4・NNW3      |             | —・—         |             | —・—        |            | —・—        |            |       |  |
| 風向・風力(m/s)                 | NNW・10    |                   | NNW・11      |             | N・12        |             | N・12       |            | N・9        |            |       |  |
| 気 温                        | 22.2      |                   | 23.6        |             | 22.4        |             | 21.6       |            | 21.0       |            |       |  |
| 雲形・雲量                      | Ns・10     |                   | Ns・10       |             | —・—         |             | —・—        |            | —・—        |            |       |  |
| 天 気                        | c         |                   | c           |             | c           |             | c          |            | bc         |            |       |  |
| 気 圧 (mb)                   | 1,017.3   |                   | 1,018.0     |             | 1,019.5     |             | 1,021.0    |            | 1,022.0    |            |       |  |

昭和 55 年 12 月

| 3'  | 4   | 4'  | 5           | 5'          | 6           | 6'          |
|---|---|---|-------------|-------------|-------------|-------------|
| 27°-15'                                       | 27°-24'                                       | 27°-33'                                       | 27°-42'     | 27°-51'     | 28°-00'     | 27°-27'     |
| 126°-40'                                      | 126°-40'                                      | 126°-26'                                      | 126°-13'    | 125°-59'    | 125°-46'    | 125°-38'    |
| 3   | 3   | 3   | 3           | 3           | 3           | 3           |
| 03:55~04:40                                   | 06:08~07:41                                   | 09:02~09:49                                   | 10:44~12:05 | 13:46~14:18 | 15:38~16:34 | 17:36~18:09 |
| 25.1  | 25.1  | 25.4  | 25.2        | 23.5        | 22.3        | 23.7        |
| 25.05   | 25.10   | 25.36   | 25.09       | 23.61       | 22.26       | 23.71       |
| 25.04   | 25.12   | 25.36   | 25.10       | 23.59       | 22.18       | 23.70       |
| 25.04   | 25.11   | 25.36   | 25.06       | 23.58       | 22.21       | 23.71       |
| 25.05   | 25.14   | 25.36   | 25.11       | 23.54       | 22.20       | 23.67       |
| 25.06   | 25.01   | 25.37   | 24.96       | 23.34       | 22.25       | 23.66       |
| 24.97   | 23.74   | 24.54   | 24.30       | 19.18       | 19.26       | 19.16       |
| 22.58   | 21.22   | 20.94   | 19.32       |             |             |             |
| 20.55   | 19.37   | 18.88   | 16.26       |             |             |             |
| 17.38   | 16.41   | 12.94   | 11.37       |             |             |             |
| 14.31   | 12.82   | 9.81  | 8.60        |             |             |             |
| 12.04   | 10.24   | 8.02  | 7.69        |             |             |             |
| $\frac{600}{800} \frac{9.3}{5.3} \frac{8}{8}$ | $\frac{600}{800} \frac{7.8}{5.3} \frac{4}{3}$ | $\frac{600}{800} \frac{6.5}{5.3} \frac{4}{4}$ | 6.93        |             |             |             |
| 34.787  | 34.695  | 34.700  | 34.704      | 34.668      | 34.243      | 34.664      |
|   | .686  |   | .700        |             | .224        |             |
|   | .686  |   | .691        |             | .213        |             |
|   | .691  |   | .691        |             | .220        |             |
|   | .691  |   | .690        |             | .229        |             |
|   | .701  |   | .687        |             | .229        |             |
|   | .992  |   | .691        |             | .548        |             |
|   | .954  |   | .693        |             |             |             |
|   | .879  |   | .616        |             |             |             |
|   | .691  |   | .437        |             |             |             |
|   | .525  |   | .367        |             |             |             |
|   | .419  |   | .348        |             |             |             |
|   | $\frac{600}{800} \frac{3.5}{3.7} \frac{7}{6}$ |   | .349        |             |             |             |
|   | ⊕   | ⊗   |             |             | ⊕           | ⊗           |
|   | 0   | 150→0   |             |             | 0           | 100→0       |
| D B T   | 5   | 2.0   | D B T       | 5           | 1.8         | D B T       |
| 観 測   |   | 21.29   | 観 測         |             | 18.55       | 観 測         |
|   | 74  | 6.6   |             | 16          | 5.5         |             |
|   |   | 402   |             |             | 505         |             |
|   |   |   |             |             |             | 1,160       |
| —   | —   | 1,350   | 1,060       | 120         | 111         | 112         |
| — • —   | — • —   | 2 • 2   | 1 • 33      | 1 • 22      | 3 • 25      | — • —       |
| 67 • 0.9                                      | 61 • 1.1                                      | 32 • 1.5                                      | 47 • 1.3    | 150 • 0.4   | 289 • 0.5   | 3 • 0.1     |
| — • —   | 3 • N4  | 3 • NNE4                                      | 3 • NNE4    | 3 • N2      | 2 • NW3     | 2 • NW3     |
| NNW • 5                                       | N • 7   | NNE • 5                                       | NNE • 2     | NNW • 5     | WNW • 3     | NW • 5      |
| 20.4  | 18.8  | 19.0  | 20.7        | 18.9        | 20.1        | 19.2        |
| — • —   | — • —   | Ac • 4  | — • 0       | — • 0       | — • 0       | — • 1       |
| bc  | bc  | bc  | b           | b           | b           | b           |
| 1,022.0                                       | 1,023.2                                       | 1,024.7                                       | 1,024.5     | 1,022.5     | 1,022.1     | 1,023.0     |

# 海 洋 観 測 表

第 3 次 航 海

| 海 域 ・ 年 月          |             | 久 米 島 北 西 沖 合 定 線 |         |             |         |             |         |             |         |             |        |  |
|--------------------|-------------|-------------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|--------|--|
| 観 測 地 点            | St. No      | 7                 |         | 7'          |         | 8           |         | 8'          |         | 9           |        |  |
|                    | Lat. N      | 27°-35'           |         | 27°-21'     |         | 27°-08'     |         | 26°-59'     |         | 26°-50'     |        |  |
|                    | Long. E     | 125°-30'          |         | 125°-22'    |         | 125°-13'    |         | 125°-27'    |         | 125°-40'    |        |  |
| 観 測 日 時            | 日           | 3                 |         | 3           |         | 3           |         | 4           |         | 4           |        |  |
|                    | 時 分         | 19:37~20:18       |         | 21:17~21:55 |         | 23:05~23:59 |         | 01:18~01:51 |         | 02:54~04:48 |        |  |
| 所 定 層              | 水 温<br>(°C) | 0                 | 23.8    |             | 23.1    |             | 23.7    |             | 23.9    |             | 24.3   |  |
|                    |             | 10                | 23.69   |             | 23.07   |             | 23.72   |             | 23.90   |             | 24.42  |  |
|                    |             | 20                | 23.81   |             | 23.08   |             | 23.77   |             | 23.89   |             | 24.38  |  |
|                    |             | 30                | 23.68   |             | 23.08   |             | 23.78   |             | 23.79   |             | 24.37  |  |
|                    |             | 50                | 23.74   |             | 23.04   |             | 23.76   |             | 23.05   |             | 24.37  |  |
|                    |             | 75                | 21.31   |             | 22.65   |             | 20.61   |             | 22.95   |             | 23.81  |  |
|                    |             | 100               | 18.11   |             | 19.05   |             | 18.34   |             | 21.08   |             | 22.82  |  |
|                    |             | 150               |         |             |         |             |         |             |         |             | 20.43  |  |
|                    |             | 200               |         |             |         |             |         |             |         |             | 17.42  |  |
|                    |             | 300               |         |             |         |             |         |             |         |             | 11.20  |  |
|                    | 400         |                   |         |             |         |             |         |             |         | 8.71        |        |  |
|                    | 500         |                   |         |             |         |             |         |             |         | 7.14        |        |  |
|                    | 600         |                   |         |             |         |             |         |             |         | 6.28        |        |  |
|                    | 塩 分<br>(‰)  | 0                 | 34.682  |             | 34.548  |             | 34.686  |             | 34.668  |             | 34.644 |  |
|                    |             | 10                | .674    |             |         |             | .686    |             |         |             | .636   |  |
|                    |             | 20                | .677    |             |         |             | .685    |             |         |             | .623   |  |
|                    |             | 30                | .674    |             |         |             | .682    |             |         |             | .625   |  |
|                    |             | 50                | .673    |             |         |             | .702    |             |         |             | .641   |  |
|                    |             | 75                | .456    |             |         |             | .702    |             |         |             | .626   |  |
|                    |             | 100               | .563    |             |         |             | .593    |             |         |             | .727   |  |
| 150                |             |                   |         |             |         |             |         |             |         | .734        |        |  |
| 200                |             |                   |         |             |         |             |         |             |         | .676        |        |  |
| 300                |             |                   |         |             |         |             |         |             |         | .444        |        |  |
| 400                |             |                   |         |             |         |             |         |             | .342    |             |        |  |
| 500                |             |                   |         |             |         |             |         |             | .347    |             |        |  |
| 600                |             |                   |         |             |         |             |         |             | .355    |             |        |  |
| プ ラ ン ク ト ン        | ネ ッ ト 種 類   | ㊤                 | ㊦       |             |         | ㊤           | ㊦       |             |         | ㊤           | ㊦      |  |
|                    | 採 集 水 層     | 0                 | 100→0   |             |         | 0           | 100→0   |             |         | 0           | 150→0  |  |
|                    | 曳 網 時 間 (分) | 5                 | 1.5     | D           | B T     | 5           | 1.2     | D           | B T     | 5           | 2.2    |  |
|                    | 戸 水 量 (m³)  |                   | 14.27   | 観 測         |         |             | 15.03   | 観 測         |         |             | 23.86  |  |
|                    | 沈 澱 量 (cc)  | 80                | 8.8     |             |         | 258         | 12.4    |             |         | 74          | 16.9   |  |
|                    | 湿 重 量 (mg)  |                   | 882     |             |         |             | 1,099   |             |         |             | 1,593  |  |
| 海                  | 深 (m)       | 114               |         | 118         |         | 120         |         | 150         |         | 680         |        |  |
| 水 色 ・ 透 明 度 (m)    | — ・ —       |                   | — ・ —   |             | — ・ —   |             | — ・ —   |             | — ・ —   |             | — ・ —  |  |
| 流 向 (°) ・ 流 速 (Kt) | 180・0.4     |                   | 345・0.2 |             | 163・0.2 |             | 238・0.6 |             | 69・0.4  |             | — ・ —  |  |
| 波 浪 ・ ウ ネ リ        | — ・ —       |                   | — ・ —   |             | — ・ —   |             | — ・ —   |             | — ・ —   |             | — ・ —  |  |
| 風 向 ・ 風 力 (m/s)    | N・4         |                   | N・8     |             | N・11    |             | NNW・11  |             | N・8     |             | — ・ —  |  |
| 気 温                | 19.3        |                   | 18.3    |             | 19.5    |             | 18.3    |             | 19.2    |             | — ・ —  |  |
| 雲 形 ・ 雲 量          | — ・ —       |                   | — ・ —   |             | — ・ —   |             | — ・ —   |             | — ・ —   |             | — ・ —  |  |
| 天 気                | bc          |                   | bc      |             | bc      |             | b       |             | bc      |             | — ・ —  |  |
| 気 圧 (mb)           | 1,023.5     |                   | 1,024.5 |             | 1,024.8 |             | 1,024.1 |             | 1,024.0 |             | — ・ —  |  |

昭和 55 年 12 月

| 9'  | 10  | 10'   | 11  | 11'   | 12  |
|---|---|---|---|---|---|
| 26°-43'                                       | 26°-32'   | 26°-23'                                       | 26°-13'   | 26°-04'                                       | 25°-54'   |
| 125°-50'                                      | 126°-05'  | 126°-18'                                      | 126°-34'  | 126°-45'                                      | 127°-00'  |
| 4   | 4   | 4   | 4   | 4   | 4   |
| 05:41~06:20                                   | 07:30~09:00   | 10:24~11:10                                   | 12:18~13:50   | 15:08~16:00                                   | 16:57~18:39   |
| 24.3  | 25.1  | 25.4  | 25.2  | 25.1  | 25.3  |
| 24.29   | 25.12   | 25.40   | 25.14   | 25.13   | 25.30   |
| 24.30   | 25.10   | 25.41   | 25.11   | 25.14   | 25.29   |
| 24.30   | 25.13   | 25.41   | 25.15   | 25.14   | 25.27   |
| 24.27   | 25.13   | 25.41   | 25.16   | 25.14   | 25.28   |
| 24.20   | 25.14   | 25.41   | 25.13   | 25.15   | 25.11   |
| 23.35   | 24.91   | 25.00   | 24.74   | 25.16   | 25.01   |
| 21.70   | 22.82   | 22.48   | 22.93   | 24.14   | 22.91   |
| 19.86   | 19.95   | 20.21   | 20.79   | 21.26   | 20.76   |
| 13.58   | 17.87   | 18.89   | 17.47   | 18.09   | 18.43   |
| 9.40  | 13.12   | 15.47   | 14.49   | 15.47   | 16.22   |
| 7.25  | 10.16   | 12.07   | 11.98   | 12.65   | 13.48   |
| $\frac{600}{800} \frac{6.4}{5.1} \frac{9}{9}$ | $\frac{600}{800} \frac{7.7}{5.3} \frac{9}{6}$         | $\frac{600}{800} \frac{9.1}{5.7} \frac{6}{5}$ | $\frac{600}{800} \frac{9.1}{5.7} \frac{3}{8}$         | $\frac{600}{800} \frac{9.5}{5.4} \frac{3}{3}$ | $\frac{600}{700} \frac{9.4}{7.5} \frac{2}{5}$         |
| 34.641  | 34.682  | 34.787  | 34.823  | 34.828  | 34.856  |
|   | .668  |   | .819  |   | .856  |
|   | .668  |   | .814  |   | .856  |
|   | .668  |   | .814  |   | .879  |
|   | .668  |   | .822  |   | .883  |
|   | .668  |   | .832  |   | .811  |
|   | .722  |   | .853  |   | .783  |
|   | 35.010  |   | .897  |   | .964  |
|   | 34.914  |   | .895  |   | .900  |
|   | .779  |   | .751  |   | .841  |
|   | .528  |   | .587  |   | .697  |
|   | .369  |   | .446  |   | .530  |
|   | $\frac{600}{800} \frac{3}{3} \frac{4}{8} \frac{2}{2}$ |   | $\frac{600}{800} \frac{3}{3} \frac{5}{6} \frac{3}{3}$ |   | $\frac{600}{700} \frac{3}{3} \frac{2}{1} \frac{0}{5}$ |
|   | ⊕ ⊗   |   | ⊕ ⊗   |   | ⊕ ⊗   |
|   | 0 150→0   |   | 0 150→0   |   | 0 150→0   |
| D B T   | 5 1.7   | D B T   | 5 1.8   | D B T   | 5 2.2   |
| 観 測   | 23.15   | 観 測   | 22.93   | 観 測   | 22.50   |
|   | 31 13.5   |   | 6 4.5   |   | 42 8.0  |
|   | 427   |   | 183   |   | 491   |
| —   | —   | —   | —   | —   | —   |
| — • —   | 2•15  | 2•17  | 2•22  | 2•20  | 2•22  |
| 70•0.8  | 40•0.5  | 344•0.2                                       | 5•0.4   | 227•0.6                                       | 250•0.5   |
| — • —   | 4•N4  | 4•NNE4  | 4•NNE4  | 4•N4  | 3•NNE3  |
| N•9   | N•8   | NNE•8   | N•7   | N•6   | NNE•9   |
| 19.1  | 19.1  | 19.7  | 20.1  | 20.1  | 20.0  |
| — • —   | Ac•4  | Ac•4  | Ac•4  | Ci,As•8                                       | Ci•6  |
| bc  | bc  | bc  | bc  | c   | bc  |
| 1,024.0                                       | 1,024.4   | 1,024.8                                       | 1,023.0   | 1,022.0                                       | 1,022.0   |

# 海 洋 観 測 表

第 4 次 航 海

| 海 域 ・ 年 月                  |             | 沖 縄 島 北 西 沖 合 定 線 |         |             |         |             |         |                      |              |                       |        |  |
|----------------------------|-------------|-------------------|---------|-------------|---------|-------------|---------|----------------------|--------------|-----------------------|--------|--|
| 観 測 地 点                    | St. No      | 1                 |         | 1'          |         | 2           |         | 2'                   |              | 3                     |        |  |
|                            | Lat. N      | 26°-23'           |         | 26°-31'     |         | 26°-49'     |         | 26°-57'              |              | 27°-06'               |        |  |
|                            | Long. E     | 127°-17'          |         | 127°-27'    |         | 127°-33'    |         | 127°-20'             |              | 127°-06'              |        |  |
| 観 測 日 時                    | 日           | 10                |         | 10          |         | 10          |         | 10                   |              | 10~11                 |        |  |
|                            | 時 分         | 12:35~13:58       |         | 15:51~16:20 |         | 17:50~19:05 |         | 20:50~21:30          |              | 23:10~00:25           |        |  |
| 所 定 層                      | 水 温<br>(°C) | 0                 | 21.1    |             | 21.3    |             | 21.2    |                      | 21.4         |                       | 21.9   |  |
|                            |             | 10                | 21.08   |             | 21.37   |             | 21.24   |                      | 21.33        |                       | 21.91  |  |
|                            |             | 20                | 21.11   |             | 21.37   |             | 21.25   |                      | 21.34        |                       | 21.88  |  |
|                            |             | 30                | 21.09   |             | 21.37   |             | 21.28   |                      | 21.31        |                       | 21.90  |  |
|                            |             | 50                | 21.10   |             | 21.22   |             | 21.29   |                      | 21.07        |                       | 21.89  |  |
|                            |             | 75                | 21.08   |             | 21.11   |             | 21.20   |                      | 21.06        |                       | 21.54  |  |
|                            |             | 100               | 21.07   |             | 21.12   |             | 21.15   |                      | 21.05        |                       | 21.22  |  |
|                            |             | 150               | 20.84   |             | 21.10   |             | 20.91   |                      | 20.98        |                       | 20.96  |  |
|                            |             | 200               | 20.15   |             | 20.54   |             | 19.08   |                      | 20.81        |                       | 20.39  |  |
|                            |             | 300               | 17.23   |             | 17.23   |             | 17.38   |                      | 17.47        |                       | 17.53  |  |
|                            | 400         | 14.69             |         | 15.05       |         | 14.80       |         | 14.61                |              | 14.63                 |        |  |
|                            | 500         | 12.09             |         | 12.71       |         |             |         | 13.49                |              | 12.70                 |        |  |
|                            | 600         | 9.98              |         |             |         |             |         | 600 9.63<br>700 7.94 |              | 600 10.09<br>700 7.01 |        |  |
|                            | 塩 分<br>(‰)  | 0                 | 34.948  |             | 34.912  |             | 34.915  |                      | 34.912       |                       | 34.915 |  |
|                            |             | 10                | .943    |             |         |             | .920    |                      |              |                       | .899   |  |
|                            |             | 20                | .942    |             |         |             | .921    |                      |              |                       | .884   |  |
|                            |             | 30                | .940    |             |         |             | .921    |                      |              |                       | .888   |  |
|                            |             | 50                | .939    |             |         |             | .921    |                      |              |                       | .888   |  |
|                            |             | 75                | .939    |             |         |             | .921    |                      |              |                       | .888   |  |
|                            |             | 100               | .942    |             |         |             | .921    |                      |              |                       | .903   |  |
| 150                        |             | .908              |         |             |         | .921        |         |                      |              | .926                  |        |  |
| 200                        |             | .852              |         |             |         | .861        |         |                      |              | .924                  |        |  |
| 300                        |             | .763              |         |             |         | .757        |         |                      |              | .767                  |        |  |
| 400                        | .622        |                   |         |             | .624    |             |         |                      | .594         |                       |        |  |
| 500                        | .476        |                   |         |             |         |             |         |                      | .472         |                       |        |  |
| 600                        | .400        |                   |         |             |         |             |         |                      | .494<br>.371 |                       |        |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類       | ⊕                 | ⊗       |             |         |             |         |                      |              | ⊕                     | ⊗      |  |
|                            | 採集水層        | 0                 | 150→0   |             |         |             |         |                      |              | 0                     | 150→0  |  |
|                            | 曳網時間(分)     | 5                 | 2.5     | D B T       |         | 5 2.2       |         | D B T                |              | 5                     | 2.4    |  |
|                            | 浮水量(m³)     |                   | 22.32   | 観 測         |         | 22.46       |         | 観 測                  |              |                       | 23.34  |  |
|                            | 沈澱量(cc)     | 16                | 7.2     |             |         | 42 5.3      |         |                      |              | 100                   | 10.0   |  |
| 湿重量(mg)                    |             | 891               |         |             | 312     |             |         |                      |              | 542                   |        |  |
| 海 深 (m)                    | 720         |                   | 640     |             | 530     |             | 1,080   |                      | —            |                       |        |  |
| 水色・透明度(m)                  | 2・22        |                   | 2・—     |             | 2・—     |             | —・—     |                      | —・—          |                       |        |  |
| 流向(°)・流速(Kt)               | 213・0.5     |                   | 216・1.1 |             | 165・0.9 |             | 206・1.7 |                      | 235・1.4      |                       |        |  |
| 波浪・ウネリ                     | 3・NW3       |                   | 3・NW3   |             | 3・3     |             | 3・3     |                      | 3・3          |                       |        |  |
| 風向・風力(m/s)                 | NW・7        |                   | NW・8    |             | NW・9    |             | NW・8    |                      | NNW・8        |                       |        |  |
| 気 温                        | 15.9        |                   | 16.5    |             | 16.3    |             | 14.4    |                      | 13.9         |                       |        |  |
| 雲形・雲量                      | Sc・4        |                   | Sc・6    |             | Sc・6    |             | Sc・6    |                      | —・—          |                       |        |  |
| 天 気                        | bc          |                   | bc      |             | bc      |             | bc      |                      | bc           |                       |        |  |
| 気 圧 (mb)                   | 1,025.2     |                   | 1,024.0 |             | 1,024.5 |             | 1,026.0 |                      | 1,025.5      |                       |        |  |

| 昭和56年2月     |                      |             |             |             |             |             |
|-------------|----------------------|-------------|-------------|-------------|-------------|-------------|
| 3'          | 4                    | 4'          | 5           | 5'          | 6           | 6'          |
| 27°-15'     | 27°-24'              | 27°-33'     | 27°-42'     | 27°-51'     | 28°-00'     | 27°-47'     |
| 126°-53'    | 126°-40'             | 126°-26'    | 126°-13'    | 125°-59'    | 125°-46'    | 125°-38'    |
| 11          | 11                   | 11          | 11          | 11          | 11          | 11          |
| 02:05~02:25 | 03:40~05:10          | 06:30~07:00 | 08:30~09:40 | 11:10~11:25 | 12:35~13:25 | 14:40~15:05 |
| 21.9        | 22.3                 | 22.7        | 22.5        | 21.9        | 21.6        | 22.2        |
| 22.05       | 22.31                | 22.68       | 22.43       | 21.89       | 21.61       | 22.11       |
| 22.05       | 22.28                | 22.68       | 22.29       | 21.89       | 21.60       | 22.09       |
| 22.04       | 22.32                | 22.67       | 22.28       | 21.89       | 21.60       | 22.09       |
| 22.04       | 22.33                | 22.65       | 22.29       | 21.88       | 20.77       | 22.08       |
| 22.05       | 22.31                | 21.39       | 21.80       | 21.83       | 18.49       | 22.08       |
| 22.00       | 22.16                | 20.38       | 20.91       | 20.73       | 17.40       | 21.94       |
| 21.36       | 21.80                | 19.12       | 20.07       |             |             |             |
| 21.27       | 20.57                | 16.11       | 17.42       |             |             |             |
| 17.92       | 16.26                | 11.81       | 11.82       |             |             |             |
| 15.95       | 13.88                | 9.31        | 9.26        |             |             |             |
| 12.97       | 10.43                | 7.37        | 7.53        |             |             |             |
| 700 7.74    | 600 7.62<br>800 5.53 | 638         |             |             |             |             |
| 34874       | 34874                | 34832       | 34847       | 34796       | 34814       | 34823       |
|             | .874                 |             | .847        |             | .819        |             |
|             | .874                 |             | .846        |             | .819        |             |
|             | .874                 |             | .845        |             | .819        |             |
|             | .874                 |             | .847        |             | .814        |             |
|             | .881                 |             | .828        |             | .713        |             |
|             | .917                 |             | .804        |             | .686        |             |
|             | .956                 |             | .800        |             |             |             |
|             | .932                 |             | .731        |             |             |             |
|             | .736                 |             | .434        |             |             |             |
|             | .554                 |             | .381        |             |             |             |
|             | .391                 |             | .340        |             |             |             |
|             | 379                  |             |             |             |             |             |
|             | ⊕ ⊗                  |             | ⊕ ⊗         |             | ⊕ ⊗         |             |
|             | 0 150→0              |             | 0 150→0     |             | 0 100→0     |             |
| D B T       | 5 2.3                | D B T       | 5 3.0       | D B T       | 5 2.0       | D B T       |
| 観 測         | 24.56                | 観 測         | 17.59       | 観 測         | 9.74        | 観 測         |
|             | 86 3.8               |             | 86 2.8      |             | 25 10.5     |             |
|             | 401                  |             | 254         |             | 727         |             |
| —           | —                    | —           | 650         | 120         | 116         | 110         |
| —           | —                    | —           | — 18        | 2           | 3.23        | 3           |
| 25.0.1      | 18.0.7               | 15.1.4      | 6.1.1       | 310.0.6     | 18.1.0      | 48.0.2      |
| —           | 3.3                  | 3.3         | 3. NNE3     | 3.3         | 3.2         | 2.2         |
| NNW.9       | NNW.10               | N.7         | NNE.7       | NNE.6       | NE.4        | NE.2        |
| 14.2        | 13.7                 | 13.3        | 13.1        | 13.9        | 13.5        | 16.7        |
| —           | —                    | Sc. 5       | — 2         | — 2         | — 0         | — 0         |
| —           | b                    | bc          | b           | b           | b           | b           |
| 1,024.5     | 1,024.5              | 1,026.0     | 1,027.1     | 1,027.3     | 1,026.0     | 1,024.5     |

# 海 洋 観 測 表

第 4 次 航 海

| 海 域 ・ 年 月          |                         | 沖 繩 島 北 西 沖 合 定 線 |             |             |             |             |        |   |   |   |     |
|--------------------|-------------------------|-------------------|-------------|-------------|-------------|-------------|--------|---|---|---|-----|
| 観 測 地 点            | St. No                  | 7                 | 7'          | 8           | 8'          | 9           |        |   |   |   |     |
|                    | Lat. N                  | 27°-35'           | 27°-21'     | 27°-08'     | 26°-59'     | 26°-50'     |        |   |   |   |     |
|                    | Long. E                 | 125°-30'          | 125°-22'    | 125°-13'    | 125°-27'    | 125°-40'    |        |   |   |   |     |
| 観 測 日 時            | 日                       | 11                | 11          | 11          | 11          | 12          |        |   |   |   |     |
|                    | 時 分                     | 16:25~17:10       | 18:50~19:10 | 20:20~20:50 | 22:05~22:30 | 00:20~01:25 |        |   |   |   |     |
| 所 定 層              | 水 温<br>(°C)             | 0                 | 22.1        | 22.0        | 22.0        | 21.9        | 21.5   |   |   |   |     |
|                    |                         | 10                | 21.97       | 21.95       | 21.79       | 21.80       | 21.25  |   |   |   |     |
|                    |                         | 20                | 21.96       | 21.94       | 21.90       | 21.78       | 21.24  |   |   |   |     |
|                    |                         | 30                | 21.94       | 21.91       | 21.87       | 21.57       | 21.19  |   |   |   |     |
|                    |                         | 50                | 21.91       | 21.89       | 21.84       | 20.47       | 21.02  |   |   |   |     |
|                    |                         | 75                | 21.77       | 21.77       | 19.90       | 19.73       | 20.50  |   |   |   |     |
|                    |                         | 100               | 20.24       | 20.34       |             | 19.36       | 20.37  |   |   |   |     |
|                    |                         | 150               |             |             |             | (140)17.41  | 18.71  |   |   |   |     |
|                    |                         | 200               |             |             |             |             | 17.71  |   |   |   |     |
|                    |                         | 300               |             |             |             |             | 11.91  |   |   |   |     |
|                    | 400                     |                   |             |             |             | 14.03       |        |   |   |   |     |
|                    | 500                     |                   |             |             |             | 13.22       |        |   |   |   |     |
|                    | 600                     |                   |             |             |             |             |        |   |   |   |     |
|                    | 塩 分 量<br>(‰)            | 0                 | 34.814      | 34.810      | 34.814      | 34.801      | 34.805 |   |   |   |     |
|                    |                         | 10                | .810        |             | .810        |             | .805   |   |   |   |     |
|                    |                         | 20                | .805        |             | .805        |             | .805   |   |   |   |     |
|                    |                         | 30                | .805        |             | .805        |             | .805   |   |   |   |     |
|                    |                         | 50                | .805        |             | .811        |             | .805   |   |   |   |     |
|                    |                         | 75                | .792        |             | .842        |             | .796   |   |   |   |     |
|                    |                         | 100               | .796        |             |             |             | .796   |   |   |   |     |
| 150                |                         |                   |             |             |             | .764        |        |   |   |   |     |
| 200                |                         |                   |             |             |             | .668        |        |   |   |   |     |
| 300                |                         |                   |             |             |             | .426        |        |   |   |   |     |
| 400                |                         |                   |             |             | .315        |             |        |   |   |   |     |
| 500                |                         |                   |             |             | .331        |             |        |   |   |   |     |
| 600                |                         |                   |             |             |             |             |        |   |   |   |     |
| プ ラ ン ク ト ン        | ネット種類                   | ㊟                 | ㊿           |             |             |             |        |   |   | ㊟ |     |
|                    | 採 集 水 層                 | 0                 | 100→0       |             |             | 0           | 欠      |   |   | 0 | 欠   |
|                    | 曳 網 時 間 (分)             | 5                 | 1.4         | D           | B           | T           | 5      |   | D | B | T   |
|                    | 戸 水 量 (m <sup>3</sup> ) |                   | 8.93        | 観           | 測           |             |        |   | 観 | 測 |     |
|                    | 沈 澱 量 (cc)              | 142               | 7.0         |             |             |             | 118    | 測 |   |   | 228 |
| 湿 重 量 (mg)         |                         | 353               |             |             |             |             |        |   |   |   |     |
| 海 深 (m)            | 112                     | 115               | 120         | 150         | 650         |             |        |   |   |   |     |
| 水 色 ・ 透 明 度 (m)    | 3・22                    | —・—               | —・—         | —・—         | —・—         |             |        |   |   |   |     |
| 流 向 (°) ・ 流 速 (Kt) | 192・0.2                 | 154・0.8           | 210・0.4     | 255・0.5     | 85・0.7      |             |        |   |   |   |     |
| 波 浪 ・ ウ ネ リ        | 2・2                     | —・—               | —・—         | 2・2         | —・—         |             |        |   |   |   |     |
| 風 向 ・ 風 力 (m/s)    | ENE・3                   | ESE・0.5           | ESE・4       | SSE・3       | ESE・4       |             |        |   |   |   |     |
| 気 温                | 16.4                    | 15.7              | 15.7        | 16.3        | 16.6        |             |        |   |   |   |     |
| 雲 形 ・ 雲 量          | —・0                     | —・1               | —・—         | —・—         | —・—         |             |        |   |   |   |     |
| 天 氣                | b                       | b                 | b           | b           | b           |             |        |   |   |   |     |
| 気 圧 (mb)           | 1,024.0                 | 1,024.2           | 1,023.7     | 1,023.0     | 1,022.3     |             |        |   |   |   |     |

| 昭 和 56 年 2 月                        |   |                                       |   |                                      |   |                                       |   |                                     |   |                                       |   |   |   |
|-------------------------------------|---|---------------------------------------|---|--------------------------------------|---|---------------------------------------|---|-------------------------------------|---|---------------------------------------|---|---|---|
| 9'                                  |   | 10                                    |   | 10'                                  |   | 11                                    |   | 11'                                 |   | 12                                    |   |   |   |
| 26°-43'                             |   | 26°-32'                               |   | 26°-23'                              |   | 26°-13'                               |   | 26°-04'                             |   | 25°-54'                               |   |   |   |
| 125°-50'                            |   | 126°-05'                              |   | 126°-18'                             |   | 126°-34'                              |   | 126°-45'                            |   | 127°-00'                              |   |   |   |
| 12                                  |   | 12                                    |   | 12                                   |   | 12                                    |   | 12                                  |   | 12                                    |   |   |   |
| 02:36~03:11                         |   | 04:05~05:20                           |   | 06:50~07:15                          |   | 08:50~10:15                           |   | 11:45~12:10                         |   | 13:15~14:30                           |   |   |   |
| 22.5                                |   | 22.4                                  |   | 22.5                                 |   | 21.0                                  |   | 20.9                                |   | 21.0                                  |   |   |   |
| 22.53                               |   | 22.40                                 |   | 22.48                                |   | 20.88                                 |   | 20.84                               |   | 20.88                                 |   |   |   |
| 22.53                               |   | 22.40                                 |   | 22.47                                |   | 20.85                                 |   | 20.84                               |   | 20.84                                 |   |   |   |
| 22.53                               |   | 22.36                                 |   | 22.47                                |   | 20.81                                 |   | 20.83                               |   | 20.76                                 |   |   |   |
| 22.45                               |   | 22.38                                 |   | 22.46                                |   | 20.87                                 |   | 20.84                               |   | 20.80                                 |   |   |   |
| 21.95                               |   | 22.22                                 |   | 22.46                                |   | 20.85                                 |   | 20.84                               |   | 20.69                                 |   |   |   |
| 21.87                               |   | 21.78                                 |   | 22.32                                |   | 20.81                                 |   | 20.83                               |   | 20.64                                 |   |   |   |
| 21.30                               |   | 21.54                                 |   | 21.76                                |   | 20.86                                 |   | 20.84                               |   | 20.51                                 |   |   |   |
| 19.58                               |   | 21.40                                 |   | 20.46                                |   | 20.61                                 |   | 20.82                               |   | 19.06                                 |   |   |   |
| 14.81                               |   | 16.11                                 |   | 16.78                                |   | 18.16                                 |   | 17.77                               |   | 17.20                                 |   |   |   |
| 11.00                               |   | 13.66                                 |   | 14.66                                |   | 15.81                                 |   | 15.74                               |   | 15.44                                 |   |   |   |
| 8.28                                |   | 11.21                                 |   | 12.80                                |   | 12.73                                 |   | 13.37                               |   | 12.61                                 |   |   |   |
| $\frac{600}{700} \frac{7.06}{6.19}$ |   | $\frac{600}{700} \frac{8.92}{7.08}$   |   | $\frac{600}{700} \frac{19.71}{7.92}$ |   | $\frac{600}{800} \frac{9.33}{5.82}$   |   | $\frac{600}{700} \frac{9.20}{7.38}$ |   | $\frac{600}{800} \frac{9.39}{5.62}$   |   |   |   |
| 34.801                              |   | 34.883                                |   | 34.861                               |   | 34.957                                |   | 34.948                              |   | 34.989                                |   |   |   |
|                                     |   | .903                                  |   |                                      |   | .957                                  |   |                                     |   | .989                                  |   |   |   |
|                                     |   | .903                                  |   |                                      |   | .962                                  |   |                                     |   | .989                                  |   |   |   |
|                                     |   | .912                                  |   |                                      |   | .962                                  |   |                                     |   | .980                                  |   |   |   |
|                                     |   | .912                                  |   |                                      |   | .962                                  |   |                                     |   | .974                                  |   |   |   |
|                                     |   | .898                                  |   |                                      |   | .962                                  |   |                                     |   | .965                                  |   |   |   |
|                                     |   | .918                                  |   |                                      |   | .962                                  |   |                                     |   | .950                                  |   |   |   |
|                                     |   | .950                                  |   |                                      |   | .962                                  |   |                                     |   | .948                                  |   |   |   |
|                                     |   | .966                                  |   |                                      |   | .959                                  |   |                                     |   | .872                                  |   |   |   |
|                                     |   | .687                                  |   |                                      |   | .853                                  |   |                                     |   | .819                                  |   |   |   |
|                                     |   | .543                                  |   |                                      |   | .709                                  |   |                                     |   | .676                                  |   |   |   |
|                                     |   | .438                                  |   |                                      |   | .429                                  |   |                                     |   | .471                                  |   |   |   |
|                                     |   | $\frac{3}{3} \frac{5}{6} \frac{1}{4}$ |   |                                      |   | $\frac{2}{3} \frac{3}{0} \frac{9}{2}$ |   |                                     |   | $\frac{2}{3} \frac{4}{3} \frac{9}{6}$ |   |   |   |
| D                                   | B | T                                     | ⊕ |                                      | D | B                                     | T | ⊕                                   |   | D                                     | B | T |   |
| 観                                   | 測 | 0                                     | 欠 | 観                                    | 測 | 0                                     | 欠 | 観                                   | 測 | 0                                     | 欠 | 観 | 測 |
|                                     |   | 5                                     |   |                                      |   | 5                                     |   |                                     |   | 5                                     |   |   |   |
|                                     |   | 166                                   | 測 |                                      |   | 42                                    | 測 |                                     |   | 6                                     | 測 |   |   |
| 1,570                               |   | —                                     |   | —                                    |   | —                                     |   | 1,300                               |   | 1,600                                 |   |   |   |
| —                                   | — | —                                     | — | 2                                    | — | 2.22                                  |   | 2                                   | — | 2.25                                  |   |   |   |
| 71.1.9                              |   | 45.1.1                                |   | 250.0.1                              |   | 47.0.3                                |   | 186.0.2                             |   | 261.0.8                               |   |   |   |
| —                                   | — | 2.2                                   |   | 2.2                                  |   | 2.2                                   |   | 3.S2                                |   | 2.2                                   |   |   |   |
| SE.5                                |   | SSE.6                                 |   | S.6                                  |   | S.5                                   |   | S.8                                 |   | SSW.6                                 |   |   |   |
| 16.8                                |   | 17.3                                  |   | 18.0                                 |   | 18.7                                  |   | 20.2                                |   | 19.0                                  |   |   |   |
| —                                   | — | —                                     | — | Sc.5                                 |   | Sc.3                                  |   | Sc.5                                |   | Sc.5                                  |   |   |   |
| b                                   |   | bc                                    |   | bc                                   |   | b                                     |   | bc                                  |   | bc                                    |   |   |   |
| 1,021.0                             |   | 1,021.5                               |   | 1,021.5                              |   | 1,022.1                               |   | 1,021.3                             |   | 1,020.0                               |   |   |   |



# 海 洋 観 測 表

第 1 次航海

| 海 域 ・ 年 月          |                 | 沖 縄 南 部 沿 岸 定 線 |        |             |        |             |        |             |  |             |       |
|--------------------|-----------------|-----------------|--------|-------------|--------|-------------|--------|-------------|--|-------------|-------|
| 観 測 地 点            | St. No          | 1               |        | 2           |        | 3           |        | 4           |  | 5           |       |
|                    | Lat. N          | 26°-04'         |        | 25°-58'     |        | 25°-54'     |        | 25°-49.5'   |  | 25°-56'     |       |
|                    | Long. E         | 127°-39.5'      |        | 127°-43'    |        | 127°-46'    |        | 127°-49'    |  | 127°-59'    |       |
| 観 測 日 時            | 日               | 22              |        | 22          |        | 22          |        | 22          |  | 22          |       |
|                    | 時 分             | 11:40~13:09     |        | 13:30~14:03 |        | 14:30~15:03 |        | 15:30~15:52 |  | 17:00~17:38 |       |
| 所 定 層              | 水 温<br>(°C)     | 0               | 25.5   | 26.2        | 26.6   | 26.4        | 25.1   |             |  |             |       |
|                    |                 | 10              | 25.16  | 25.90       | 26.12  | 25.01       | 24.34  |             |  |             |       |
|                    |                 | 20              | 25.25  | 25.32       | 25.36  | 23.98       | 23.57  |             |  |             |       |
|                    |                 | 30              | 25.20  | 24.26       | 24.60  | 23.63       | 23.37  |             |  |             |       |
|                    |                 | 50              | 22.81  | 22.71       | 22.97  | 23.05       | 23.08  |             |  |             |       |
|                    |                 | 75              | 22.16  | 21.47       | 22.51  | 22.03       | 21.52  |             |  |             |       |
|                    |                 | 100             | 21.40  | 21.06       | 21.09  | 22.59       | 21.18  |             |  |             |       |
|                    |                 | 150             | 20.61  | 20.41       | 20.72  | 20.85       | 19.96  |             |  |             |       |
|                    |                 | 200             | 20.33  | 19.59       | 19.81  | 19.59       | 19.90  |             |  |             |       |
|                    | 塩 分<br>量<br>(‰) | 0               | 34.722 | 34.718      | 34.700 | 34.691      | 34.843 |             |  |             |       |
|                    |                 | 10              | .700   | .695        | .673   | .673        | .810   |             |  |             |       |
|                    |                 | 20              | .709   | .713        | .691   | .718        | .772   |             |  |             |       |
|                    |                 | 30              | .709   | .754        | .718   | .792        | .772   |             |  |             |       |
|                    |                 | 50              | .787   | .828        | .805   | .894        | .772   |             |  |             |       |
|                    |                 | 75              | .859   | .921        | .878   | .848        | .874   |             |  |             |       |
|                    |                 | 100             | .908   | .971        | .905   | .905        | .923   |             |  |             |       |
|                    |                 | 150             | .912   | .930        | .915   | .906        | .894   |             |  |             |       |
|                    |                 | 200             | .900   | .903        | .889   | .862        | .894   |             |  |             |       |
| プ ラ ン ク ト ン        | ネ ッ ト 種 類       | ㊦               | ㊧      |             |        | ㊦           | ㊧      |             |  | ㊦           | ㊧     |
|                    | 採 集 水 層         | 0               | 150→0  |             |        | 0           | 150→0  |             |  | 0           | 150→0 |
|                    | 曳 網 時 間 (分)     | 5               | 2.7    |             |        | 5           | 2.4    |             |  | 5           | 2.3   |
|                    | 濾 水 量 (m³)      |                 | 22.51  |             |        |             | 20.88  |             |  |             | 19.32 |
|                    | 沈 澱 量 (cc)      | 6               | 3.1    |             |        | 31          | 5.4    |             |  | 93          | 5.6   |
|                    | 湿 重 量 (mg)      |                 | 322    |             |        |             | 392    |             |  |             | 559   |
| 海 深 (m)            |                 | 320             |        | 720         |        | 1171        |        | -           |  | -           |       |
| 水 色 ・ 透 明 度 (m)    |                 | 3・16            |        | 3・32        |        | 3・32        |        | 3・30        |  | 3・34        |       |
| 流 向 (°) ・ 流 速 (Kt) |                 | -・-             |        | -・-         |        | -・-         |        | -・-         |  | -・-         |       |
| 波 浪 ・ ウ ネ リ        |                 | 2・NW2           |        | 2・E3        |        | 2・ENE3      |        | 2・E3        |  | 1・E2        |       |
| 風 向 ・ 風 力 (m/s)    |                 | NW・5            |        | SE・3        |        | E・3         |        | ESE・2       |  | ESE・1       |       |
| 気 温                |                 | 27              |        | 29.0        |        | 29.0        |        | 29.5        |  | 29.6        |       |
| 雲 形 ・ 雲 量          |                 | -・3             |        | -・3         |        | -・3         |        | -・2         |  | -・1         |       |
| 天 気                |                 | bc              |        | bc          |        | bc          |        | bc          |  | b           |       |
| 気 圧 (mb)           |                 | 1009.5          |        | 1009.0      |        | 1008.4      |        | 1008.2      |  | 1007.9      |       |

実 験 報 告 書

昭和55年5月

大 陸 地 質 学 部 地 質 学 科

昭和 55 年 5 月

| 6           | 7           | 8           | 9           | 10          |    |      |
|-------------|-------------|-------------|-------------|-------------|----|------|
| 26°-02.5'   | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |    |      |
| 128°-09'    | 128°-05'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |    |      |
| 22          | 22          | 22          | 22          | 22~23       |    |      |
| 20:00~20:31 | 21:00~21:45 | 22:18~22:44 | 23:15~23:35 | 23:51~00:10 |    |      |
| 24.9        | 24.4        | 24.3        | 24.8        | 24.7        |    |      |
| 24.31       | 23.95       | 24.26       | 24.31       | 24.58       |    |      |
| 23.71       | 23.46       | 23.80       | 24.03       | 23.62       |    |      |
| 23.31       | 23.08       | 23.41       | 23.89       | 23.22       |    |      |
| 22.58       | 22.32       | 22.49       | 22.60       |             |    |      |
| 21.34       | 21.61       | 21.99       |             |             |    |      |
| 20.74       | 21.27       | 21.65       |             |             |    |      |
| 19.70       | 20.26       | 21.46       |             |             |    |      |
| 19.39       | 19.71       | 20.81       |             |             |    |      |
| 34.772      | 34.828      | 34.828      | 34.539      | 34.370      |    |      |
| 0.814       | 0.792       | 0.828       | 0.572       | 0.485       |    |      |
| 0.814       | 0.792       | 0.783       | 0.650       | 0.599       |    |      |
| 0.903       | 0.792       | 0.783       | 0.677       | 0.686       |    |      |
| 0.975       | 0.814       | 0.801       | 0.754       | 0.6         |    |      |
| 0.906       | 0.847       | 0.823       |             |             |    |      |
| 0.906       | 0.888       | 0.852       |             |             |    |      |
| 0.906       | 0.903       | 0.832       |             |             |    |      |
| 0.861       | 0.888       | 0.865       |             |             |    |      |
|             | ㊦           | ㊧           |             |             |    |      |
| 0-0         | 0           | 150→0       | 0           | 50→0        | 0  | 30→0 |
|             | 5           | 2.5         | 5           | 0.8         | 5  | 0.7  |
|             |             | 18.61       |             | 2.19        |    | 0.82 |
|             | 228         | 7.0         | 74          | 3.8         | 74 | 4.0  |
|             |             | 608         |             | 349         |    | 159  |
| -           | -           | 389         | 55          | 33          |    |      |
| -           | -           | -           | -           | -           |    |      |
| -           | -           | -           | -           | -           |    |      |
| -           | -           | -           | -           | -           |    |      |
| ENE・2       | ENE・2       | NE・3        | ESE・3       | E・2         |    |      |
| 28.5        | 28.8        | 27.7        | 27.3        | 27.6        |    |      |
| -           | -           | -           | -           | -           |    |      |
| bc          | bc          | bc          | bc          | bc          |    |      |
| 1009.0      | 1009.3      | 1009.8      | 1009.7      | 1009.5      |    |      |

# 海 洋 観 測 表

第1次航海

| 海 域 ・ 年 月                  |                      | 金 武 湾 沿 岸 定 線 調 査 |        |             |        |             |        |             |        |             |        |  |
|----------------------------|----------------------|-------------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|--|
| 観測地点                       | St. No               | 1                 |        | 2           |        | 3           |        | 4           |        | 5           |        |  |
|                            | Lat. N               | 26°-13'           |        | 26°-13'     |        | 26°-10'     |        | 26°-21.5'   |        | 26°-23'     |        |  |
|                            | Long. E              | 128°-05'          |        | 128°-10'    |        | 128°-15.5'  |        | 128°-16.5'  |        | 128°-11'    |        |  |
| 観測日時                       | 日                    | 23                |        | 23          |        | 23          |        | 23          |        | 23          |        |  |
|                            | 時 分                  | 08:05~08:48       |        | 09:14~09:38 |        | 10:15~10:53 |        | 11:43~12:20 |        | 12:52~13:32 |        |  |
| 所<br><br>定<br><br>層        | 水<br>温<br>(°C)       | 0                 | 24.4   |             | 24.9   |             | 24.8   |             | 25.1   |             | 24.6   |  |
|                            |                      | 10                | 24.33  |             | 24.88  |             | 24.71  |             | 24.48  |             | 24.27  |  |
|                            |                      | 20                | 24.07  |             | 24.50  |             | 24.49  |             | 23.52  |             | 23.42  |  |
|                            |                      | 30                | 23.22  |             | 23.80  |             | 23.55  |             | 23.39  |             | 23.27  |  |
|                            |                      | 50                | 22.23  |             | 22.67  |             | 21.99  |             | 22.42  |             | 22.75  |  |
|                            |                      | 75                | 22.08  |             | 22.09  |             | 21.51  |             | 21.23  |             | 22.19  |  |
|                            |                      | 100               | 22.36  |             | 22.48  |             | 22.36  |             | 22.17  |             | 22.09  |  |
|                            |                      | 150               | 21.29  |             | 20.39  |             | 20.51  |             | 19.82  |             | 20.87  |  |
|                            |                      | 200               | 19.39  |             | 18.88  |             | 18.89  |             | 18.67  |             | 19.77  |  |
|                            | 塩<br>分<br>量<br>(‰)   | 0                 | 34.801 |             | 34.599 |             | 34.673 |             | 34.608 |             | 34.801 |  |
|                            |                      | 10                | .763   |             | .581   |             | .664   |             | .668   |             | .810   |  |
|                            |                      | 20                | .792   |             | .691   |             | .682   |             | .792   |             | .769   |  |
|                            |                      | 30                | .828   |             | .796   |             | .763   |             | .792   |             | .769   |  |
|                            |                      | 50                | .819   |             | .894   |             | .856   |             | .856   |             | .787   |  |
|                            |                      | 75                | .821   |             | .929   |             | .899   |             | .894   |             | .842   |  |
|                            |                      | 100               | .866   |             | .952   |             | .902   |             | .933   |             | .938   |  |
|                            |                      | 150               | .864   |             | .937   |             | .855   |             | .856   |             | .885   |  |
|                            |                      | 200               | .847   |             | .829   |             | .839   |             | .856   |             | .883   |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類                | ㊟                 | ㊞      |             |        | ㊟           | ㊞      |             |        | ㊟           | ㊞      |  |
|                            | 採集水層                 | 0                 | 150→0  |             |        | 0           | 150→0  |             |        | 0           | 150→0  |  |
|                            | 曳網時間(分)              | 5                 | 2.5    |             |        | 5           | 2.3    |             |        | 5           | 2.6    |  |
|                            | 浮水量(m <sup>3</sup> ) |                   | 23.52  |             |        |             | 21.01  |             |        |             | 21.78  |  |
|                            | 沈澱量(cc)              | 118               | 6.0    |             |        | 56          | 5.2    |             |        | 68          | 5.8    |  |
| 湿重量(mg)                    |                      | 482               |        |             |        | 436         |        |             |        | 473         |        |  |
| 海 深(m)                     | 475                  |                   | 922    |             | —      |             | —      |             | 845    |             |        |  |
| 水色・透明度(m)                  | 3・29                 |                   | 3・30   |             | 3・33   |             | 3・28   |             | 3・28   |             |        |  |
| 流向(°)・流速(Kt)               | —・—                  |                   | —・—    |             | —・—    |             | —・—    |             | —・—    |             |        |  |
| 波浪・ウネリ                     | 1・1                  |                   | 1・1    |             | 1・1    |             | 1・E1   |             | 1・SES1 |             |        |  |
| 風向・風力(m/s)                 | ESE・2                |                   | SE・3   |             | SE・3   |             | SE・3   |             | SES・3  |             |        |  |
| 気 温                        | 26.1                 |                   | 26.8   |             | 27.0   |             | 27.6   |             | 28.3   |             |        |  |
| 雲形・雲量                      | —・10                 |                   | —・10   |             | —・10   |             | —・10   |             | —・10   |             |        |  |
| 天 気                        | c                    |                   | c      |             | c      |             | c      |             | c      |             |        |  |
| 気 圧(mb)                    | 1010.8               |                   | 1011.1 |             | 1011.0 |             | 1010.5 |             | 1010.2 |             |        |  |

| 昭和55年5月     |             |             |   |      |  |
|-------------|-------------|-------------|---|------|--|
| 6           | 7           | 8           |   |      |  |
| 26°-24'     | 26°-25.5'   | 26°-24'     |   |      |  |
| 128°-06.5'  | 128°-02'    | 127°-55'    |   |      |  |
| 23          | 23          | 23          |   |      |  |
| 13:57~14:19 | 14:51~15:10 | 15:50~15:57 |   |      |  |
| 24.7        | 24.5        | 24.9        |   |      |  |
| 24.24       | 24.08       | 23.86       |   |      |  |
| 23.81       | 23.72       | 23.22       |   |      |  |
| 23.46       | 23.59       | 23.08       |   |      |  |
| 23.25       | 22.99       |             |   |      |  |
| 22.33       |             |             |   |      |  |
| 23.08       |             |             |   |      |  |
| 21.09       |             |             |   |      |  |
| 19.97       |             |             |   |      |  |
| 34.801      | 34.283      | 34.097      |   |      |  |
| 17.92       | 16.695      | 17.447      |   |      |  |
| 17.83       | 16.682      | 17.581      |   |      |  |
| 17.83       | 16.682      | 17.653      |   |      |  |
| 17.83       | 17.27       |             |   |      |  |
| 17.83       |             |             |   |      |  |
| 18.06       |             |             |   |      |  |
| 18.72       |             |             |   |      |  |
| 18.74       |             |             |   |      |  |
|             | ⊕           | ⊗           | ⊕ | ⊗    |  |
|             | 0           | 70→0        | 0 | 30→0 |  |
|             | 5           | 1.5         | 5 | 0.5  |  |
|             |             | 2.99        |   | 1.00 |  |
|             | 74          | 2.4         | 6 | 0.8  |  |
|             |             | 164         |   | 31   |  |
| 537         | 70          | 33          |   |      |  |
| 3・30        | 4・17        | 4・10        |   |      |  |
| -・-         | -・-         | -・-         |   |      |  |
| 1・1         | 1・E1        | 1・1         |   |      |  |
| E・0         | ESE・2       | E・4         |   |      |  |
| 2.89        | 2.94        | 2.95        |   |      |  |
| -・10        | -・10        | -・10        |   |      |  |
| c           | c           | c           |   |      |  |
| 1,010.0     | 1,009.3     | 1,009       |   |      |  |

# 海 洋 観 測 表

第 2 次航海

| 海 域 ・ 年 月          |                         | 沖 縄 南 部 沿 岸 定 線 |        |             |        |             |        |             |        |             |        |  |
|--------------------|-------------------------|-----------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|--|
| 観 測 地 点            | St. No                  | 1               |        | 2           |        | 3           |        | 4           |        | 5           |        |  |
|                    | Lat. N                  | 26°-04'         |        | 25°-58'     |        | 25°-54'     |        | 25°-49.5'   |        | 25°-56'     |        |  |
|                    | Long. E                 | 127°-39.5'      |        | 127°-43'    |        | 127°-46'    |        | 127°-49'    |        | 127°-59'    |        |  |
| 観 測 日 時            | 日                       | 12              |        | 12          |        | 12          |        | 12          |        | 12          |        |  |
|                    | 時 分                     | 10:15~11:35     |        | 12:00~12:30 |        | 12:55~13:26 |        | 14:00~14:25 |        | 15:35~16:05 |        |  |
| 所 定 層              | 水 温<br>(°C)             | 0               | 26.2   |             | 26.8   |             | 26.1   |             | 26.5   |             | 26.9   |  |
|                    |                         | 10              | 25.69  |             | 25.11  |             | 25.47  |             | 25.30  |             | 25.98  |  |
|                    |                         | 20              | 24.33  |             | 24.52  |             | 25.35  |             | 25.24  |             | 25.05  |  |
|                    |                         | 30              | 23.83  |             | 23.77  |             | 24.62  |             | 24.55  |             | 24.51  |  |
|                    |                         | 50              | 23.42  |             | 23.05  |             | 23.00  |             | 23.21  |             | 23.43  |  |
|                    |                         | 75              | 22.91  |             | 22.41  |             | 22.59  |             | 22.37  |             | 22.28  |  |
|                    |                         | 100             | 22.83  |             | 21.96  |             | 22.51  |             | 21.54  |             | 21.21  |  |
|                    |                         | 150             | 20.28  |             | 21.07  |             | 20.69  |             | 20.18  |             | 19.56  |  |
|                    | 塩 分 量<br>(‰)            | 0               | 34.805 |             | 34.704 |             | 34.709 |             | 34.641 |             | 34.617 |  |
|                    |                         | 10              | .769   |             | .700   |             | .735   |             | .626   |             | .617   |  |
|                    |                         | 20              | .769   |             | .704   |             | .710   |             | .623   |             | .695   |  |
|                    |                         | 30              | .751   |             | .668   |             | .720   |             | .695   |             | .713   |  |
|                    |                         | 50              | .780   |             | .760   |             | .752   |             | .748   |             | .801   |  |
|                    |                         | 75              | .803   |             | .812   |             | .779   |             | .807   |             | .814   |  |
|                    |                         | 100             | .826   |             | .819   |             | .791   |             | .813   |             | .831   |  |
|                    |                         | 150             | .865   |             | .850   |             | .818   |             | .818   |             | .832   |  |
| 200                | .808                    |                 | .889   |             | .852   |             | .820   |             | .832   |             |        |  |
| プ ラ ン ク ト ン        | ネ ッ ト 種 類               | ㊦               | ㊧      |             |        | ㊦           | ㊧      | ㊦           | ㊧      | ㊦           | ㊧      |  |
|                    | 採 集 水 層                 | 0               | 150→0  |             |        |             | 0      | 150→0       |        | 0           | 150→0  |  |
|                    | 曳 網 時 間 (分)             | 5               | 2.1    |             |        |             | 5      | 2.0         |        | 5           | 2.0    |  |
|                    | 汲 水 量 (m <sup>3</sup> ) |                 | 18.20  |             |        |             |        | 18.63       |        |             |        |  |
|                    | 沈 澱 量 (cc)              | 16              | 6.0    |             |        |             | 42     | 6.5         |        |             | 16     |  |
|                    | 湿 重 量 (mg)              |                 | 559    |             |        |             |        | 533         |        |             | 483    |  |
| 海 深 (m)            | -                       |                 | -      |             | -      |             | -      |             | -      |             | -      |  |
| 水 色 ・ 透 明 度 (m)    | 3・32                    |                 | 3・28   |             | 3・28   |             | 3・29   |             | 3・32   |             | 3・32   |  |
| 流 向 (°) ・ 流 速 (Kt) | -・-                     |                 | -・-    |             | -・-    |             | -・-    |             | -・-    |             | -・-    |  |
| 波 浪 ・ ウ ネ リ        | 1・2                     |                 | 1・2    |             | 1・2    |             | 1・2    |             | 1・2    |             | -・-    |  |
| 風 向 ・ 風 力 (m/s)    | SW・2                    |                 | SW・2   |             | SW・2   |             | SW・2   |             | SW・2   |             | SW・2   |  |
| 気 温                | 27.4                    |                 | 27.4   |             | 27.6   |             | 28.1   |             | 27.8   |             | 27.8   |  |
| 雲 形 ・ 雲 量          | -・2                     |                 | -・3    |             | -・2    |             | -・2    |             | -・-    |             | -・-    |  |
| 天 気                | b                       |                 | b      |             | b      |             | b      |             | b      |             | b      |  |
| 気 圧 (mb)           | 1006.0                  |                 | 1006.0 |             | 1006.0 |             | 1006.0 |             | 1006.0 |             | 1004.5 |  |

昭 和 五 十 五 年 六 月

昭 和 55 年 6 月

| 6           | 7           | 8           | 9           | 10          |     |      |
|-------------|-------------|-------------|-------------|-------------|-----|------|
| 26°-02.5'   | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |     |      |
| 128°-09'    | 128°-05'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |     |      |
| 12          | 12          | 12          | 12          | 12          |     |      |
| 17:30~17:50 | 18:25~19:00 | 19:35~20:00 | 21:00~21:15 | 21:35~21:45 |     |      |
| 27.2        | 26.8        | 25.5        | 25.8        | 26.5        |     |      |
| 26.94       | 26.36       | 25.35       | 24.63       | 25.09       |     |      |
| 26.27       | 25.85       | 25.21       | 24.25       | 24.20       |     |      |
| 25.13       | 25.30       | 24.69       | 23.93       | 23.80       |     |      |
| 23.06       | 24.20       | 24.37       | 23.46       |             |     |      |
| 22.49       | 23.59       | 22.45       |             |             |     |      |
| 21.68       | 22.39       | 21.57       |             |             |     |      |
| 19.99       | 20.81       | 20.83       |             |             |     |      |
| 18.62       |             | 19.34       |             |             |     |      |
| 34.594      | 34.617      | 34.613      | 34.659      | 34.704      |     |      |
| .590        | .604        | .604        | .644        | .650        |     |      |
| .613        | .581        | .599        | .650        | .659        |     |      |
| .668        | .599        | .608        | .664        | .704        |     |      |
| .772        | .695        | .653        | .704        |             |     |      |
| .870        | .733        | .763        |             |             |     |      |
| .906        | .832        | .896        |             |             |     |      |
| .850        | .905        | .821        |             |             |     |      |
| .808        |             | .879        |             |             |     |      |
|             | ㊦           | ㊧           | ㊦           | ㊧           | ㊦   | ㊧    |
|             | 0           | 150→0       | 0           | 50→0        | 0   | 30→0 |
|             | 5           | 2.0         | 5           | -           | 5   | 0.7  |
|             |             | 18.00       |             | 2.14        |     | 0.76 |
|             | 31          | 3.6         | 42          | 4.0         | 228 | 10.0 |
|             |             | 272         |             | 334         |     | 641  |
| -           | -           | -           | 54          | 31          |     |      |
| 3・25        | 3・28        | -・-         | -・-         | -・-         |     |      |
| -・-         | -・-         | -・-         | -・-         | -・-         |     |      |
| 2・2         | 2・2         | 2・2         | 2・2         | 2・2         |     |      |
| SW・2        | SW・2        | SW・2        | SW・2        | -・-         |     |      |
| 27.9        | 27.9        | 26.7        | 27.0        | 27.0        |     |      |
| -・3         | -・3         | -・3         | -・3         | -・3         |     |      |
| b           | b           | b           | b           | b           |     |      |
| 1004.0      | 1004.8      | 1005.5      | 1005.5      | 1006.0      |     |      |

# 海 洋 観 測 表

第3次航海

| 海 域 ・ 年 月                  |                                | 金 武 湾 沿 岸 定 線 調 査 |             |             |             |             |          |       |         |  |    |       |
|----------------------------|--------------------------------|-------------------|-------------|-------------|-------------|-------------|----------|-------|---------|--|----|-------|
| 観測地点                       | St. No                         | 1                 | 2           | 3           | 4           | 5           |          |       |         |  |    |       |
|                            | Lat. N                         | 26°-13'           | 26°-13'     | 26°-13'     | 26°-21.5'   | 26°-23'     |          |       |         |  |    |       |
|                            | Long. E                        | 128°-05'          | 128°-10'    | 128°-15.5'  | 128°-16.5'  | 128°-11'    |          |       |         |  |    |       |
| 観測日時                       | 日                              | 24                | 24          | 24          | 23          | 23          |          |       |         |  |    |       |
|                            | 時 分                            | 09:10~10:00       | 08:00~08:28 | 06:38~07:20 | 14:00~14:40 | 15:05~16:05 |          |       |         |  |    |       |
| 所<br><br>定<br><br>層        | 水<br><br>温<br><br>(°C)         | 0                 | 29.7        | 29.8        | 29.6        | 30.4        | —        |       |         |  |    |       |
|                            |                                | 10                | 29.83       | 29.66       | 29.52       | 29.48       | 29.67    |       |         |  |    |       |
|                            |                                | 20                | 29.03       | 29.49       | 29.53       | 29.41       | 29.58    |       |         |  |    |       |
|                            |                                | 30                | 28.67       | 29.27       | 29.31       | 28.89       | 29.04    |       |         |  |    |       |
|                            |                                | 50                | 27.22       | 26.68       | 26.25       | 27.61       | 26.06    |       |         |  |    |       |
|                            |                                | 75                | 24.51       | 24.60       | 24.94       | 24.21       | 23.89    |       |         |  |    |       |
|                            |                                | 100               | 23.05       | 23.52       | 23.79       | 23.00       | 23.21    |       |         |  |    |       |
|                            |                                | 150               | 21.40       | 22.51       | 21.80       | 21.45       | 21.38    |       |         |  |    |       |
|                            |                                | 200               | 20.01       | —           | —           | 19.66       | 19.94    |       |         |  |    |       |
|                            | 塩<br><br>分<br><br>量<br><br>(‰) | 0                 | 34.512      | 34.572      | 34.594      | 34.545      | 34.626   |       |         |  |    |       |
|                            |                                | 10                | .545        | .557        | .590        | .471        | .632     |       |         |  |    |       |
|                            |                                | 20                | .427        | .585        | .604        | .453        | .623     |       |         |  |    |       |
|                            |                                | 30                | .367        | .581        | .604        | .388        | .548     |       |         |  |    |       |
|                            |                                | 50                | .630        | .635        | .677        | .521        | .677     |       |         |  |    |       |
|                            |                                | 75                | .801        | .729        | .801        | .895        | .769     |       |         |  |    |       |
|                            |                                | 100               | .859        | .831        | .771        | .866        | .838     |       |         |  |    |       |
|                            |                                | 150               | .873        | .847        | .791        | .879        | .921     |       |         |  |    |       |
|                            |                                | 200               | .888        | —           | —           | .883        | .883     |       |         |  |    |       |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類                          | ㊟                 | ㊿           |             |             |             | ㊟        | ㊿     |         |  | ㊟  | ㊿     |
|                            | 採集水層                           | 0                 | 150→0       |             |             |             | 0        | 150→0 |         |  | 0  | 150→0 |
|                            | 曳網時間(分)                        | 5                 | 2.6         |             |             |             | 5        | 2.7   |         |  | 5  | 2.7   |
|                            | 濾水量(m <sup>3</sup> )           |                   | 18.70       |             |             |             |          | 14.44 |         |  |    | 20.53 |
|                            | 沈澱量(cc)                        | 16                | 30.0        |             |             |             | 16       | 7.2   |         |  | 50 | 3.2   |
|                            | 湿重量(mg)                        |                   | 727         |             |             |             |          | 478   |         |  |    | 256   |
| 海 深(m)                     | —                              |                   | —           |             | —           |             | —        |       | —       |  |    |       |
| 水色・透明度(m)                  | 2・32                           |                   | 2・33        |             | 2・30        |             | 2・29     |       | 2・36    |  |    |       |
| 流向(°)・流速(Kt)               | —・—                            |                   | —・—         |             | —・—         |             | —・—      |       | —・—     |  |    |       |
| 波浪・ウネリ                     | 1・2                            |                   | 1・2         |             | 1・1         |             | 1・2      |       | 1・2     |  |    |       |
| 風向・風力(m/s)                 | SW・2                           |                   | SW・2        |             | SW・2        |             | SSW・2    |       | SSW・2   |  |    |       |
| 気 温                        | 30.7                           |                   | 30.4        |             | 29.8        |             | 31.3     |       | 30.6    |  |    |       |
| 雲形・雲量                      | —・8                            |                   | Ci・3        |             | —・1         |             | Cu, Ac・2 |       | —・3     |  |    |       |
| 天 気                        | c                              |                   | b           |             | b           |             | b        |       | b       |  |    |       |
| 気 圧(mb)                    | 1,004.3                        |                   | 1,004.0     |             | 1,003.3     |             | 1,004.3  |       | 1,004.0 |  |    |       |

昭和 55 年 7 月

| 6           |             | 7           |    | 8    |  |  |  |  |  |  |  |
|-------------|-------------|-------------|----|------|--|--|--|--|--|--|--|
| 26°-24'     | 26°-25.5'   | 26°-24'     |    |      |  |  |  |  |  |  |  |
| 128°-06.5'  | 128°-02'    | 127°-55'    |    |      |  |  |  |  |  |  |  |
| 23          | 23          | 23          |    |      |  |  |  |  |  |  |  |
| 16:40~17:03 | 17:35~17:55 | 18:26~18:41 |    |      |  |  |  |  |  |  |  |
| 30.2        | 30.0        | 30.5        |    |      |  |  |  |  |  |  |  |
| 296.0       | 294.9       | 298.6       |    |      |  |  |  |  |  |  |  |
| 293.2       | 293.9       | 296.2       |    |      |  |  |  |  |  |  |  |
| 28.83       | 29.32       | 29.26       |    |      |  |  |  |  |  |  |  |
| 27.19       | 27.67       |             |    |      |  |  |  |  |  |  |  |
| 24.65       |             |             |    |      |  |  |  |  |  |  |  |
| 23.18       |             |             |    |      |  |  |  |  |  |  |  |
| 21.21       |             |             |    |      |  |  |  |  |  |  |  |
| 19.69       |             |             |    |      |  |  |  |  |  |  |  |
| 346.26      | 345.99      | 346.32      |    |      |  |  |  |  |  |  |  |
| 55.54       | 55.99       | 55.99       |    |      |  |  |  |  |  |  |  |
| 55.54       | 56.08       | 56.08       |    |      |  |  |  |  |  |  |  |
| 55.581      | 55.99       | 56.08       |    |      |  |  |  |  |  |  |  |
| 55.581      | 56.17       |             |    |      |  |  |  |  |  |  |  |
| 73.1        |             |             |    |      |  |  |  |  |  |  |  |
| 8.16        |             |             |    |      |  |  |  |  |  |  |  |
| 8.65        |             |             |    |      |  |  |  |  |  |  |  |
| 8.57        |             |             |    |      |  |  |  |  |  |  |  |
|             | ㊦           | ㊧           | ㊦  | ㊧    |  |  |  |  |  |  |  |
|             | 0           | 50→0        | 0  | 30→0 |  |  |  |  |  |  |  |
|             | 5           | 1.0         | 5  | 0.6  |  |  |  |  |  |  |  |
|             |             | 6.27        |    | 4.33 |  |  |  |  |  |  |  |
|             | 6           | 4.0         | 31 | 2.0  |  |  |  |  |  |  |  |
|             |             | 145         |    | 152  |  |  |  |  |  |  |  |
| -           | 72          | 34          |    |      |  |  |  |  |  |  |  |
| 2・23        | 3・16        | 3・13        |    |      |  |  |  |  |  |  |  |
| -・-         | -・-         | -・-         |    |      |  |  |  |  |  |  |  |
| 1・2         | 1・2         | 2・1         |    |      |  |  |  |  |  |  |  |
| SSW・2       | SSW・2       | SW・2        |    |      |  |  |  |  |  |  |  |
| 30.9        | 30.6        | 30.1        |    |      |  |  |  |  |  |  |  |
| cb・2        | -・2         | Ci・3        |    |      |  |  |  |  |  |  |  |
| b           | b           | b           |    |      |  |  |  |  |  |  |  |
| 1,003.5     | 1,003.5     | 1,003.5     |    |      |  |  |  |  |  |  |  |



# 海 洋 観 測 表

第 4 次航海

| 海 域 ・ 年 月    |                 | 沖 縄 南 部 沿 岸 定 線 |             |             |             |             |         |    |          |  |
|--------------|-----------------|-----------------|-------------|-------------|-------------|-------------|---------|----|----------|--|
| 観 測 地 点      | St. No          | 1               | 2           | 3           | 4           | 5           |         |    |          |  |
|              | Lat. N          | 26°-04'         | 25°-58'     | 25°-54'     | 25°-49.5'   | 25°-56'     |         |    |          |  |
|              | Long. E         | 127°-39.5'      | 127°-43'    | 127°-46'    | 127°-49'    | 127°-59'    |         |    |          |  |
| 観 測 日 時      | 日               | 20              | 20          | 20          | 20          | 20          |         |    |          |  |
|              | 時 分             | 10:52~13:03     | 13:54~14:23 | 15:04~15:45 | 16:45~17:23 | 18:35~19:30 |         |    |          |  |
| 所 定 層        | 水 温<br>(°C)     | 0               | 30.6        | 31.2        | 31.6        | 31.7        | 31.2    |    |          |  |
|              |                 | 10              | 30.28       | 30.37       | 30.52       | 30.52       | 30.43   |    |          |  |
|              |                 | 20              | 29.82       | 30.05       | 30.15       | 30.03       | 29.77   |    |          |  |
|              |                 | 30              | 27.94       | 29.86       | 29.75       | 29.54       | 27.92   |    |          |  |
|              |                 | 50              | 25.61       | 27.52       | 27.15       | 26.62       | 25.14   |    |          |  |
|              |                 | 75              | 24.42       | 24.47       | 24.63       | 23.77       | 23.32   |    |          |  |
|              |                 | 100             | 23.80       | 22.89       | 22.98       | 22.73       | 22.10   |    |          |  |
|              |                 | 150             | 20.82       | 21.03       | 21.05       | 22.14       | 20.32   |    |          |  |
|              | 200             | —               | —           | 20.73       | 20.38       | 19.04       |         |    |          |  |
|              | 塩 分<br>量<br>(‰) | 0               | 34.700      | 34.686      | 34.742      | 34.686      | 34.677  |    |          |  |
|              |                 | 10              | .659        | .677        | .704        | .686        | .722    |    |          |  |
|              |                 | 20              | .677        | .664        | .713        | .733        | .722    |    |          |  |
|              |                 | 30              | .704        | .664        | .722        | .745        | .718    |    |          |  |
|              |                 | 50              | .792        | .709        | .733        | .745        | .772    |    |          |  |
|              |                 | 75              | .828        | .797        | .806        | .814        | .843    |    |          |  |
|              |                 | 100             | .885        | .873        | .871        | .861        | .897    |    |          |  |
| 150          |                 | .896            | .905        | .915        | .847        | .888        |         |    |          |  |
| 200          | —               | .877            | .854        | .888        | .847        |             |         |    |          |  |
| プ ラ ン ク ト ン  | ネット種類           | ㊟               | ㊿           |             | ㊟           | ㊿           |         | ㊟  | ㊿        |  |
|              | 採集水層            | 0               | 150→0       |             | 0           | 150→0       |         | 0  | 150→0    |  |
|              | 曳網時間(分)         | 5               | 2.7         |             | 5           | 2.8         |         | 5  | 2.7      |  |
|              | 戸水量(m³)         |                 | 21.34       |             |             | 21.34       |         |    | 18.00    |  |
|              | 沈澱量(cc)         | 25              | 3.8         |             | 56          | 4.0         |         | 74 | 4.0      |  |
|              | 湿重量(mg)         |                 | 313         |             |             | 435         |         |    | 362      |  |
| 海 深(m)       | 297             |                 | 630         |             | —           |             | —       |    |          |  |
| 水色・透明度(m)    | 2・27            |                 | 2・34        |             | 2・39        |             | 2・35    |    | 2・30     |  |
| 流向(°)・流速(Kt) | 243・0.4         |                 | 244・1.15    |             | 240・1.12    |             | 222・1.2 |    | —        |  |
| 波浪・ウネリ       | 1・1             |                 | 1・1         |             | 1・1         |             | 1・1     |    | 1・1      |  |
| 風向・風力(m/s)   | SE・3            |                 | SE・2.5      |             | SE・1        |             | SE・1    |    | ENE・1    |  |
| 気 温          | 31.5            |                 | 33.5        |             | 34.5        |             | 33.5    |    | 31.0     |  |
| 雲形・雲量        | Cu・1            |                 | Cu, Ac・3    |             | Cu, Ci・3    |             | Cu・2    |    | Cu, Ci・2 |  |
| 天 気          | b               |                 | bc          |             | bc          |             | b       |    | b        |  |
| 気 圧(mb)      | 1,007.0         |                 | 1,005.0     |             | 1,004.2     |             | 1,004.1 |    | 1,004.2  |  |

支 離 盤 新 築

昭和55年8月

| 昭和55年8月     |             |             |             |             |      |   |      |  |  |
|-------------|-------------|-------------|-------------|-------------|------|---|------|--|--|
| 6           | 7           | 8           | 9           | 10          |      |   |      |  |  |
| 26°-02.5'   | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |      |   |      |  |  |
| 128°-09'    | 128°-05'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |      |   |      |  |  |
| 20          | 21          | 21          | 21          | 21          |      |   |      |  |  |
| 20:44~21:20 | 05:28~06:56 | 07:20~08:20 | 08:47~09:07 | 09:33~09:50 |      |   |      |  |  |
| 31.2        | 30.9        | 30.9        | 30.7        | 31.1        |      |   |      |  |  |
| 30.31       | 30.53       | 30.07       | 30.52       | 30.53       |      |   |      |  |  |
| 30.15       | -           | 29.25       | 29.49       | 29.95       |      |   |      |  |  |
| 29.72       | 29.15       | 27.83       | 28.54       | 29.05       |      |   |      |  |  |
| 27.03       | 26.08       | 26.33       | 26.95       |             |      |   |      |  |  |
| 23.49       | 25.63       | 25.89       |             |             |      |   |      |  |  |
| 23.47       | 24.09       | 22.54       |             |             |      |   |      |  |  |
| 22.87       | 21.38       | 20.35       |             |             |      |   |      |  |  |
| 19.93       | -           | -           |             |             |      |   |      |  |  |
| 34.673      | 34.659      | 34.727      | 34.659      | 34.673      |      |   |      |  |  |
| .626        | .668        | .709        | .641        | .659        |      |   |      |  |  |
| .695        | .668        | .695        | .650        | .632        |      |   |      |  |  |
| .751        | .700        | .695        | .673        | .650        |      |   |      |  |  |
| .760        | .751        | .736        | .713        |             |      |   |      |  |  |
| .843        | .852        | .787        |             |             |      |   |      |  |  |
| .861        | .887        | .874        |             |             |      |   |      |  |  |
| .888        | .905        | .897        |             |             |      |   |      |  |  |
| .883        | -           | -           |             |             |      |   |      |  |  |
|             | ㊦           | ㊧           |             | ㊦           | ㊧    | ㊦ | ㊧    |  |  |
|             | 0           | 150→0       |             | 0           | 50→0 | 0 | 30→0 |  |  |
|             | 5           | 2.7         |             | 5           | 0.9  | 5 | 0.5  |  |  |
|             |             | 22.73       |             |             | 7.04 |   | 4.61 |  |  |
|             | 31          | 3.8         |             | 42          | 2.2  | 6 | 0.6  |  |  |
|             |             | 329         |             |             | 103  |   | 14   |  |  |
| -           | -           | -           | 53          | 33          |      |   |      |  |  |
| - · -       | 2 · 28      | 2 · 31      | 2 · 28      | 3 · 22      |      |   |      |  |  |
| - · -       | - · 31      | - · 31      | - · 31      | - · 31      |      |   |      |  |  |
| 1 · 1       | 1 · 1       | 1 · 1       | 1 · 1       | 1 · 1       |      |   |      |  |  |
| ESE · 2     | NE · 2      | SE · 3      | SE · 3      | ESE · 2     |      |   |      |  |  |
| 30.5        | 29.9        | 30.5        | 30.8        | 31.0        |      |   |      |  |  |
| -           | Cu, Ns · 6  | Ci, Cu · 5  | Cu, Ci · 2  | Ci, Cu · 3  |      |   |      |  |  |
| b c         | b c         | b c         | b           | b c         |      |   |      |  |  |
| 1,004.0     | 1,004.0     | 1,004.2     | 1,005.7     | 1,005.8     |      |   |      |  |  |



昭和 55 年 9 月

| 6           | 7           | 8           | 9           | 10          |  |  |
|-------------|-------------|-------------|-------------|-------------|--|--|
| 26°-02.5'   | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |  |  |
| 128°-09'    | 128°-05'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |  |  |
| 24          | 24          | 24          | 25          | 25          |  |  |
| 20:19~20:54 | 21:30~22:20 | 23:05~23:39 | 07:30~07:57 | 06:44~07:08 |  |  |
| 28.6        | 28.7        | 28.8        | 28.7        | 28.9        |  |  |
| 28.71       | 28.70       | 28.81       | —           | 28.88       |  |  |
| 28.61       | 28.67       | 28.72       | 28.76       | 28.79       |  |  |
| 28.57       | 28.48       | 28.70       | 28.68       | 28.80       |  |  |
| 28.19       | 28.02       | 27.60       | 27.41       |             |  |  |
| 26.91       | 26.84       | 26.36       |             |             |  |  |
| 25.47       | 25.07       | 24.93       |             |             |  |  |
| 24.79       | 23.11       | 22.72       |             |             |  |  |
| 21.04       | 20.83       | 20.02       |             |             |  |  |
| 34.554      | 34.635      | 34.594      | 34.673      | 34.664      |  |  |
| 5.12        | 6.17        | 5.68        | —           | 6.64        |  |  |
| 6.35        | 6.64        | 5.59        | 6.64        | 7.09        |  |  |
| 6.53        | 6.95        | 5.76        | 6.68        | 6.64        |  |  |
| 7.09        | 7.36        | 6.95        | 7.13        |             |  |  |
| 7.54        | 7.50        | 7.66        |             |             |  |  |
| 8.28        | 8.77        | 8.08        |             |             |  |  |
| 9.24        | 9.03        | 8.80        |             |             |  |  |
| 9.03        | 9.21        | 8.94        |             |             |  |  |
|             | ㊦ ㊧         |             | ㊦ ㊧         | ㊦ ㊧         |  |  |
|             | 0 150→0     |             | 0 50→0      | 0 30→0      |  |  |
|             | 5 2.8       |             | 5 1.0       | 5 0.6       |  |  |
|             | 23.69       |             | 6.29        | 4.91        |  |  |
|             | 93 10.0     |             | 42 2.5      | 74 2.2      |  |  |
|             | 755         |             | 139         | 139         |  |  |
| —           | —           | 233         | 56          | 39          |  |  |
| — · —       | — · —       | — · —       | 3 · 17      | 3 · 17      |  |  |
| 67 · 0.66   | 151 · 0.38  | 225 · 0.24  | — · —       | — · —       |  |  |
| 3 · 3       | — · —       | — · —       | 3 · 3       | 2 · NNE 2   |  |  |
| NE · 7      | NE · 10     | E · 11      | SE · 6      | NE · 5      |  |  |
| 27.2        | 27.0        | 27.0        | 27.8        | 28.5        |  |  |
| — · —       | — · —       | — · —       | Ns, Cu · 10 | Ns · 10     |  |  |
| c           | c           | c           | c           | c           |  |  |
| 1,009.2     | 1,009.1     | 1,008.0     | 1,006.0     | 1,006.0     |  |  |



| 昭和55年9月     |             |             |     |      |  |  |
|-------------|-------------|-------------|-----|------|--|--|
| 6           | 7           | 8           |     |      |  |  |
| 26°-24'     | 26°-25.5'   | 26°-24'     |     |      |  |  |
| 128°-06.5'  | 128°-02'    | 127°-55'    |     |      |  |  |
| 25          | 25          | 25          |     |      |  |  |
| 15:36~16:22 | 16:57~17:20 | 17:49~18:20 |     |      |  |  |
| 29.1        | 29.0        | 29.3        |     |      |  |  |
| 28.81       | 28.79       | 29.23       |     |      |  |  |
| 28.85       | 28.83       | 29.05       |     |      |  |  |
| 28.66       | 28.73       | 28.98       |     |      |  |  |
| 27.13       | 28.11       |             |     |      |  |  |
| 25.31       |             |             |     |      |  |  |
| 24.30       |             |             |     |      |  |  |
| 22.40       |             |             |     |      |  |  |
| 21.04       |             |             |     |      |  |  |
| 34.682      | 34.682      | 34.613      |     |      |  |  |
| .635        | .664        | .632        |     |      |  |  |
| .641        | .644        | .641        |     |      |  |  |
| .664        | .668        | .641        |     |      |  |  |
| .810        | .682        |             |     |      |  |  |
| .807        |             |             |     |      |  |  |
| .863        |             |             |     |      |  |  |
| .912        |             |             |     |      |  |  |
| .912        |             |             |     |      |  |  |
|             | ⊕           | ⊕           | ⊕   | ⊕    |  |  |
| 0-0         | 0           | 50→0        | 0   | 30→0 |  |  |
|             | 5           | 1.2         | 5   | 0.7  |  |  |
|             |             | 7.58        |     | 3.84 |  |  |
|             | 93          | 4.0         | 301 | 2.1  |  |  |
|             |             | 432         |     | 181  |  |  |
| 524         | 72          | 33          |     |      |  |  |
| 2・24        | 3・14        | 3・13        |     |      |  |  |
| 119・0.37    | -・-         | -・-         |     |      |  |  |
| 2・SW2       | 2・WNW2      | 1・N1        |     |      |  |  |
| SW・3        | NW・5        | N・3         |     |      |  |  |
| 29.6        | 28.5        | 28.0        |     |      |  |  |
| Cu,Cb,Ci・5  | Cu,Ci・4     | Ci,Cu・5     |     |      |  |  |
| bc          | bc          | bc          |     |      |  |  |
| 1,003.1     | 1,002.9     | 1,003.7     |     |      |  |  |

# 海 洋 観 測 表

第 6 次航海

| 海 域 ・ 年 月   |   | 沖 縄 南 部 沿 岸 定 線 |             |             |             |             |         |  |  |         |       |
|---|---|-----------------|-------------|-------------|-------------|-------------|---------|--|--|---------|-------|
| 観測地点  | St. No  | 1               | 2           | 3           | 4           | 5           |         |  |  |         |       |
|   | Lat. N  | 26°-04'         | 25°-58'     | 25°-54'     | 25°-49.5'   | 25°-56'     |         |  |  |         |       |
|   | Long. E   | 127°-39.5'      | 127°-43'    | 127°-46'    | 127°-49'    | 127°-59'    |         |  |  |         |       |
| 観測日時  | 日   | 29              | 29          | 29          | 29          | 29          |         |  |  |         |       |
|   | 時 分   | 11:50~12:57     | 13:56~14:23 | 15:26~16:07 | 16:52~17:20 | 18:23~19:05 |         |  |  |         |       |
| 所<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>定<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br>層 | 水<br><br><br><br><br><br><br><br>温<br><br><br><br><br><br><br><br>( $^{\circ}$ C)                           | 0               | 2.64        | 2.64        | 2.67        | 2.62        | 2.62    |  |  |         |       |
|   |   | 10              | 26.38       | 26.29       | 26.62       | 26.14       | 26.23   |  |  |         |       |
|   |   | 20              | 26.36       | 26.31       | 26.61       | 26.20       | 26.22   |  |  |         |       |
|   |   | 30              | 26.33       | 26.14       | 26.57       | 26.17       | 26.21   |  |  |         |       |
|   |   | 50              | 26.30       | 26.13       | 26.55       | 26.17       | 26.11   |  |  |         |       |
|   |   | 75              | 25.57       | 26.12       | 26.28       | 26.20       | 26.10   |  |  |         |       |
|   |   | 100             | 25.34       | 25.39       | 25.56       | 26.13       | 25.94   |  |  |         |       |
|   |   | 150             | 23.79       | 23.29       | 22.40       | 22.80       | 22.80   |  |  |         |       |
|   | 塩<br><br><br><br><br><br><br><br>分<br><br><br><br><br><br><br><br>量<br><br><br><br><br><br><br><br>( $\%$ ) | 0               | 34.736      | 34.733      | 34.772      | 34.709      | 34.745  |  |  |         |       |
|   |   | 10              | .727        | .718        | .769        | .664        | .722    |  |  |         |       |
|   |   | 20              | .727        | .718        | .769        | .659        | .722    |  |  |         |       |
|   |   | 30              | .722        | .718        | .769        | .659        | .709    |  |  |         |       |
|   |   | 50              | .722        | .718        | .769        | .659        | .709    |  |  |         |       |
|   |   | 75              | .722        | .718        | .706        | .655        | .696    |  |  |         |       |
|   |   | 100             | .786        | .814        | .787        | .692        | .711    |  |  |         |       |
|   |   | 150             | .879        | .899        | .862        | .861        | .870    |  |  |         |       |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン  | ネット種類   | ㊦               | ㊧           |             |             | ㊦           | ㊧       |  |  | ㊦       | ㊧     |
|   | 採集水層  | 0               | 150→0       |             |             | 0           | 150→0   |  |  | 0       | 150→0 |
|   | 曳網時間(分)   | 5               | 2.4         |             |             | 5           | 2.6     |  |  | 5       | 2.4   |
|   | ろ水量( $m^3$ )  |                 | 21.92       |             |             |             | 22.23   |  |  |         | 23.39 |
|   | 沈澱量(cc)   | 31              | 5.2         |             |             | 74          | 4.8     |  |  | 136     | 12.0  |
|   | 湿重量(mg)   |                 | 433         |             |             |             | 397     |  |  |         | 732   |
| 海 深(m)  |   | 360             | 702         |             |             |             |         |  |  |         |       |
| 水色・透明度(m)   |   | 2・28            | 2・22        |             |             | 2・23        | 2・21    |  |  |         |       |
| 流向( $^{\circ}$ )・流速(Kt)   |   | 296・0.3         | 249・1.1     |             |             | 247・0.3     | 295・0.1 |  |  |         |       |
| 波浪・ウネリ  |   | 3・NE2           | 3・NE3       |             |             | 3・NE3       | 3・NE3   |  |  | 3・3     |       |
| 風向・風力( $m/s$ )  |   | NE・8            | NE・6        |             |             | NE・6        | NE・7    |  |  | NE・8    |       |
| 気 温   |   | 23.8            | 23.8        |             |             | 24.0        | 23.8    |  |  | 23.4    |       |
| 雲形・雲量   |   | Cu,Ac・6         | Cu,Ac・6     |             |             | Cu,Ac・7     | Cu・5    |  |  |         |       |
| 天 気   |   | bc              | bc          |             |             | bc          | bc      |  |  | bc      |       |
| 気 圧(mb)   |   | 1,008.0         | 1,011.8     |             |             | 1,011.2     | 1,011.4 |  |  | 1,012.1 |       |

昭和55年10月

| 6           | 7           | 8           | 9               | 10          |     |      |
|-------------|-------------|-------------|-----------------|-------------|-----|------|
| 26°-02.5'   | 26°-06.5'   | 26°-09.5'   | 26°-12.9'       | 26°-12.9'   |     |      |
| 128°-09'    | 128°-05'    | 128°-01'    | 127°-57.2'      | 127°-52.3'  |     |      |
| 29          | 29          | 29~30       | 30              | 30          |     |      |
| 20:40~21:08 | 22:03~22:45 | 23:24~00:06 | 08:32~08:50     | 09:09~09:35 |     |      |
| 26.1        | 26.2        | 26.3        | 25.9            | 25.5        |     |      |
| 26.08       | 26.21       | 26.22       | 25.90           | 25.41       |     |      |
| 26.11       | 26.24       | 26.23       | 25.89           | 25.44       |     |      |
| 26.07       | 26.23       | 26.28       | 25.76           | 25.36       |     |      |
| 26.07       | 26.30       | 26.20       | 25.17           |             |     |      |
| 26.08       | 26.17       | 26.09       |                 |             |     |      |
| 25.92       | 26.16       | 25.80       |                 |             |     |      |
| 23.10       | 24.71       | 24.70       |                 |             |     |      |
|             |             | 21.26       |                 |             |     |      |
| 34.673      | 34.673      | 34.695      | 34.718          | 34.722      |     |      |
| .653        | .653        | .682        | .695            | .713        |     |      |
| .653        | .653        | .682        | .695            | .713        |     |      |
| .653        | .653        | .682        | .691            | .713        |     |      |
| .650        | .653        | .682        | .691            |             |     |      |
| .637        | .653        | .682        |                 |             |     |      |
| .667        | .691        | .670        |                 |             |     |      |
| .866        | .847        | .792        |                 |             |     |      |
|             |             | .838        |                 |             |     |      |
|             | ㊦           | ㊦           | ㊦               | ㊦           |     |      |
|             | 0           | 150→0       | 0               | 50→0        | 0   | 30→0 |
|             | 5           | 2.6         | 5               | 0.9         | 5   | 0.6  |
|             |             | 23.18       |                 | 9.69        |     | 8.01 |
|             | 93          | 6.0         | 74              | 3.5         | 112 | 4.3  |
|             |             | 465         |                 | 330         |     | 341  |
| -           | 687         | 345         | 55              | 37          |     |      |
| - . -       | - . -       | - . -       | 3 . 18          | 3 . 15      |     |      |
| 307 . 0.5   | 7 . 0.2     | 85 . 0.3    | - . -           | - . -       |     |      |
| 3 . 3       | 3 . 3       | 3 . 3       | 3 . NE3         | 3 . NE2     |     |      |
| NE . 8      | NE . 6      | NE . 6      | NE . 8          | ENE . 8     |     |      |
| 23.8        | 23.8        | 23.5        | 23.8            | 24.7        |     |      |
| - . -       | - . -       | - . -       | Ac, Cu, Ns . 10 | Cu, Ac . 9  |     |      |
| c           | c           | c           | c               | c           |     |      |
| 1,013.2     | 1,013.5     | 1,013.2     | 1,013.5         | 1,013.2     |     |      |





| 測量簿         |             |             |      |   |   | 昭和55年11月 |  |  |  |  |  |
|-------------|-------------|-------------|------|---|---|----------|--|--|--|--|--|
| 6           |             | 7           |      | 8 |   |          |  |  |  |  |  |
| 26°-24'     | 26°-25.5'   | 26°-24'     |      |   |   |          |  |  |  |  |  |
| 128°-06.5'  | 128°-02'    | 127°-55'    |      |   |   |          |  |  |  |  |  |
| 22          | 22          | 22          |      |   |   |          |  |  |  |  |  |
| 14:58~15:42 | 16:21~16:47 | 17:14~17:35 |      |   |   |          |  |  |  |  |  |
| 25.7        | 25.3        | 24.9        |      |   |   |          |  |  |  |  |  |
| 25.67       | 25.23       | 24.86       |      |   |   |          |  |  |  |  |  |
| 25.64       | 25.20       | 24.87       |      |   |   |          |  |  |  |  |  |
| 25.70       | 25.27       | 24.33       |      |   |   |          |  |  |  |  |  |
| 25.59       | 25.29       |             |      |   |   |          |  |  |  |  |  |
| 25.02       |             |             |      |   |   |          |  |  |  |  |  |
| 24.68       |             |             |      |   |   |          |  |  |  |  |  |
| 23.61       |             |             |      |   |   |          |  |  |  |  |  |
|             |             |             |      |   |   |          |  |  |  |  |  |
| 34.810      | 34.722      | 34.585      |      |   |   |          |  |  |  |  |  |
| 34.810      | 34.722      | 34.572      |      |   |   |          |  |  |  |  |  |
| 34.801      | 34.709      | 34.554      |      |   |   |          |  |  |  |  |  |
| 34.805      | 34.709      | 34.408      |      |   |   |          |  |  |  |  |  |
| 34.795      | 34.709      |             |      |   |   |          |  |  |  |  |  |
| 34.747      |             |             |      |   |   |          |  |  |  |  |  |
| 34.736      |             |             |      |   |   |          |  |  |  |  |  |
| 34.776      |             |             |      |   |   |          |  |  |  |  |  |
|             |             |             |      |   |   |          |  |  |  |  |  |
| +           | +           | +           | +    | + | + |          |  |  |  |  |  |
| 0           | 50→0        | 0           | 30→0 |   |   |          |  |  |  |  |  |
| 5           | 0.9         | 5           | 0.5  |   |   |          |  |  |  |  |  |
|             | 9.47        |             | 3.87 |   |   |          |  |  |  |  |  |
| 42          | 5.7         | 16          | 1.8  |   |   |          |  |  |  |  |  |
|             | 377         |             | 48   |   |   |          |  |  |  |  |  |
| 528         | 75          | 33          |      |   |   |          |  |  |  |  |  |
| 2・23        | 3・21        | 5・8         |      |   |   |          |  |  |  |  |  |
| 212・0.6     | -・-         | -・-         |      |   |   |          |  |  |  |  |  |
| 4・N4        | 3・NNE3      | 2・NE2       |      |   |   |          |  |  |  |  |  |
| N・9         | N・6         | NE・5        |      |   |   |          |  |  |  |  |  |
| 24.0        | 23.1        | 23.0        |      |   |   |          |  |  |  |  |  |
| Ac, Cu・6    | Cu・4        | Cu・3        |      |   |   |          |  |  |  |  |  |
| bc          | bc          | b           |      |   |   |          |  |  |  |  |  |
| 1,006.0     | 1,006.1     | 1,006.8     |      |   |   |          |  |  |  |  |  |



| 昭和 55 年 12 月 |             |             |             |             |        |      |     |       |   |
|--------------|-------------|-------------|-------------|-------------|--------|------|-----|-------|---|
| 6            | 7           | 8           | 9           | 10          |        |      |     |       |   |
| 26°-02.5'    | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |        |      |     |       |   |
| 128°-09'     | 128°-09'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |        |      |     |       |   |
| 16           | 16          | 16          | 17          | 17          |        |      |     |       |   |
| 18:55~19:45  | 20:12~21:25 | 21:42~22:53 | 08:12~08:40 | 08:53~09:20 |        |      |     |       |   |
| 24.2         | 24.1        | 24.1        | 23.9        |             |        |      |     |       |   |
| 24.27        | 24.05       | 24.02       | 23.87       |             |        |      |     |       |   |
| 24.29        | 24.06       | 24.06       | 23.90       |             |        |      |     |       |   |
| 24.25        | 24.09       | 24.08       | 23.84       |             |        |      |     |       |   |
| 24.25        | 24.08       | 24.06       | 22.93       |             |        |      |     |       |   |
| 24.21        | 24.08       | 24.08       |             |             |        |      |     |       |   |
| 24.12        | 23.93       | 24.08       |             |             |        |      |     |       |   |
| 23.21        | 23.61       | 23.29       |             |             |        |      |     |       |   |
|              |             |             |             |             |        |      |     |       |   |
| 34897        | 34894       | 34874       |             |             |        |      |     |       |   |
| .874         | .861        | .861        |             |             |        |      |     |       |   |
| .874         | .861        | .861        |             |             |        |      |     |       |   |
| .870         | .852        | .856        |             |             |        |      |     |       |   |
| .870         | .852        | .861        |             |             |        |      |     |       |   |
| .865         | .852        | .861        |             |             |        |      |     |       |   |
| .847         | .852        | .856        |             |             |        |      |     |       |   |
| .861         | .854        | .858        |             |             |        |      |     |       |   |
|              |             |             |             |             |        |      |     |       |   |
|              | ㊦           | ㊧           |             |             | ㊦      | ㊧    | ㊦   | ㊧     |   |
|              | 0           | 150→0       |             |             | 0      | 50→0 | 0   | 30→0  |   |
|              | 5           | 2.7         |             |             | 5      | 0.9  | 5   | 0.5   |   |
|              |             | 19.98       |             |             |        | 7.42 |     | 5.48  |   |
|              | 50          | 4.9         |             |             | 37     | 2.8  | 124 | 8.0   |   |
|              |             | 388         |             |             |        | 150  |     | 371   |   |
| -            | -           | 245         | 55          | 37          |        |      |     |       |   |
| -            | -           | -           | 3           | 21          | 3      | 18   |     |       |   |
| 135          | 0.6         | 126         | 0.8         | 157         | 0.1    | -    | -   | -     |   |
| -            | -           | -           | -           | -           | 3      | NE 2 | 3   | NNE 1 |   |
| NE           | 8           | ENE         | 7           | NE          | 10     | NE   | 8   | NNE   | 9 |
| 1.98         | 19.9        | 20.1        | 20.2        | 20.0        |        |      |     |       |   |
| -            | -           | -           | Cu, Ac      | 4           | Cu, Ac | 5    |     |       |   |
| c            | c           | bc          | bc          | bc          |        |      |     |       |   |
| 1,016.0      | 1,016.8     | 1,016.2     | 1,016.1     | 1,016.2     |        |      |     |       |   |



表 断 集 新 第

昭和 56 年 1 月

| 昭和 56 年 1 月 |             |             |       |  |  |
|-------------|-------------|-------------|-------|--|--|
| 6           | 7           | 8           |       |  |  |
| 26°-24'     | 26°-25.5'   | 26°-24'     |       |  |  |
| 128°-06.5'  | 128°-02'    | 127°-55'    |       |  |  |
| 28          | 28          | 28          |       |  |  |
| 19:51~20:31 | 20:58~21:20 | 21:53~22:15 |       |  |  |
| 21.5        | 21.3        | 21.1        |       |  |  |
| 21.50       | 21.38       | 21.09       |       |  |  |
| 21.55       | 21.37       | 20.73       |       |  |  |
| 21.56       | 21.33       | 20.18       |       |  |  |
| 21.55       | 21.13       |             |       |  |  |
| 21.56       |             |             |       |  |  |
| 21.57       |             |             |       |  |  |
| 21.41       |             |             |       |  |  |
| 21.30       |             |             |       |  |  |
| 34.939      | 34.933      | 34.939      |       |  |  |
| .939        | .933        | .939        |       |  |  |
| .939        | .930        | .966        |       |  |  |
| .939        | .930        | .984        |       |  |  |
| .939        | .915        |             |       |  |  |
| .939        |             |             |       |  |  |
| .939        |             |             |       |  |  |
| .939        |             |             |       |  |  |
| .939        |             |             |       |  |  |
| .933        |             |             |       |  |  |
| 0           | 50→0        | 0           | 30→0  |  |  |
| 5           | 0.9         | 5           | 0.5   |  |  |
|             | 7.33        |             | 4.32  |  |  |
| 62          | 3.6         | 246         | 17.0  |  |  |
|             | 214         |             | 1,065 |  |  |
| 501         | 81          | 32          |       |  |  |
| 30 · 0.1    |             |             |       |  |  |
| N · 5       | N · 5       | N · 7       |       |  |  |
| 17.0        |             | 16.2        |       |  |  |
| bc          | bc          | bc          |       |  |  |
| 1,018.8     | 1,019.1     | 1,019.2     |       |  |  |

# 海 洋 観 測 表

第 10 次航海

| 海 域 ・ 年 月                  |                      | 沖 縄 南 部 沿 岸 定 線 |             |             |             |             |         |     |          |  |
|----------------------------|----------------------|-----------------|-------------|-------------|-------------|-------------|---------|-----|----------|--|
| 観測地点                       | St. No               | 1               | 2           | 3           | 4           | 5           |         |     |          |  |
|                            | Lat. N               | 26°-04'         | 25°-58'     | 25°-54'     | 25°-49.5'   | 25°-56'     |         |     |          |  |
|                            | Long. E              | 127°-39.5'      | 127°-43'    | 127°-46'    | 127°-49'    | 127°-59'    |         |     |          |  |
| 観測日時                       | 日                    | 18              | 18          | 18          | 18          | 18          |         |     |          |  |
|                            | 時 分                  | 11:18~12:27     | 13:10~13:36 | 14:36~15:18 | 15:58~16:23 | 17:34~18:15 |         |     |          |  |
| 所<br>定<br>層                | 水<br>温<br>(°C)       | 0               | 21.6        | 21.7        | 21.6        | 22.1        | 21.9    |     |          |  |
|                            |                      | 10              | 21.37       | 21.61       | 21.32       | 21.83       | 21.89   |     |          |  |
|                            |                      | 20              | 21.38       | 21.58       | 21.19       | 21.82       | 21.77   |     |          |  |
|                            |                      | 30              | 21.41       | 21.51       | 21.13       | 21.75       | 21.76   |     |          |  |
|                            |                      | 50              | 21.35       | 21.51       | 21.16       | 21.67       | 21.36   |     |          |  |
|                            |                      | 75              | 20.91       | 21.35       | 21.15       | 21.48       | 21.27   |     |          |  |
|                            |                      | 100             | 20.77       | 21.28       | 21.12       | 21.37       | 21.21   |     |          |  |
|                            |                      | 150             | 20.52       | 20.59       | 19.98       | 20.50       | 20.47   |     |          |  |
|                            | 塩<br>分<br>量<br>(‰)   | 0               | 35.007      | 35.031      | 35.022      | 35.013      | 35.007  |     |          |  |
|                            |                      | 10              | .013        | .034        | .016        | .004        | .013    |     |          |  |
|                            |                      | 20              | .013        | .004        | .025        | .004        | .022    |     |          |  |
|                            |                      | 30              | .013        | .004        | .025        | .004        | 34.998  |     |          |  |
|                            |                      | 50              | 34.998      | .007        | .016        | .007        | .984    |     |          |  |
|                            |                      | 75              | .961        | .007        | .013        | .012        | .989    |     |          |  |
|                            |                      | 100             | .956        | 34.994      | .005        | 34.977      | .974    |     |          |  |
|                            |                      | 150             | .937        | .954        | 34.901      | .924        | .942    |     |          |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネット種類                | ㊟               | ㊿           |             | ㊟           | ㊿           | ㊟       | ㊿   |          |  |
|                            | 採集水層                 | 0               | 150→0       |             | 0           | 150→0       |         | 0   | 150→0    |  |
|                            | 曳網時間(分)              | 5               | 2.5         |             | 5           | 2.5         |         | 5   | 2.5      |  |
|                            | 浮水量(m <sup>3</sup> ) |                 | 19.51       |             |             | 19.56       |         |     | 22.26    |  |
|                            | 沈澱量(cc)              | 16              | 4.1         |             | 74          | 6.0         |         | 100 | 42.0     |  |
|                            | 湿重量(mg)              |                 | 390         |             |             | 497         |         |     | 5,942    |  |
| 海 深(m)                     | 263                  |                 | 677         |             | —           |             | —       |     |          |  |
| 水色・透明度(m)                  | 3・28                 |                 | 2・26        |             | 2・33        |             | 2・28    |     | 2・22     |  |
| 流向(°)・流速(Kt)               | 185・0.3              |                 | 264・0.9     |             | 257・0.5     |             | 275・0.1 |     | —・—      |  |
| 波浪・ウネリ                     | 2・N2                 |                 | 2・N2        |             | 1・NE1       |             | 3・NNE2  |     | 4・N2     |  |
| 風向・風力(m/s)                 | N・3.5                |                 | NNW・4.5     |             | NNW・3       |             | N・5     |     | N・5      |  |
| 気 温                        | 20.1                 |                 | 20.2        |             | 20.8        |             | 20.9    |     | 20.6     |  |
| 雲形・雲量                      | Ac, Ns・5             |                 | Ns・10       |             | Ci・1        |             | Cu・1    |     | Ac, Cu・7 |  |
| 天 気                        | bc                   |                 | c           |             | b           |             | b       |     | bc       |  |
| 気 圧(mb)                    | 1,012.0              |                 | 1,010.2     |             | 1,009.2     |             | 1,008.9 |     | 1,009.2  |  |

昭和 56 年 2 月

| 6           | 7           | 8           | 9           | 10          |    |      |
|-------------|-------------|-------------|-------------|-------------|----|------|
| 26°-02.5'   | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |    |      |
| 128°-09'    | 128°-05'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |    |      |
| 18          | 18          | 18          | 19          | 19          |    |      |
| 19:42~20:15 | 21:23~22:10 | 22:58~23:40 | 08:15~08:43 | 07:38~07:59 |    |      |
| 22.0        | 21.7        | 21.6        | 21.5        | 21.6        |    |      |
| 22.00       | 21.72       | 21.55       | 21.51       | 21.51       |    |      |
| 21.83       | 21.62       | 21.48       | 21.49       | 21.51       |    |      |
| 21.58       | 21.50       | 21.42       | 21.44       | 21.47       |    |      |
| 21.47       | 21.49       | 21.48       | 21.25       |             |    |      |
| 21.39       | 21.37       | 21.47       |             |             |    |      |
| 21.29       | 21.24       | 21.20       |             |             |    |      |
| 20.61       | 20.88       | 21.02       |             |             |    |      |
| 19.20       | 19.44       | 20.36       |             |             |    |      |
| 34.998      | 35.016      | 35.004      | 34.995      | 34.984      |    |      |
| 34.998      | 35.016      | 34.998      | 34.995      | 34.989      |    |      |
| 34.998      | 35.016      | 34.998      | 34.995      | 34.989      |    |      |
| 35.016      | 35.013      | 34.998      | 34.995      | 34.989      |    |      |
| 35.016      | 35.007      | 34.998      | 34.989      |             |    |      |
| 35.013      | 35.007      | 35.006      |             |             |    |      |
| 35.013      | 34.997      | 34.986      |             |             |    |      |
| 34.951      | 34.973      | 34.972      |             |             |    |      |
| 34.870      | 34.883      | 34.930      |             |             |    |      |
|             | ⊕           | ⊕           | ⊕           | ⊕           |    |      |
|             | 0           | 150→0       | 0           | 50→0        | 0  | 30→0 |
|             | 5           | 2.5         | 5           | 0.9         | 5  | 0.6  |
|             |             | 22.03       |             | 7.39        |    | 4.39 |
|             | 86          | 10.3        | 74          | 2.2         | 68 | 6.3  |
|             |             | 1,292       |             | 150         |    | 372  |
| -           | 821         | 333         | 57          | 39          |    |      |
| - . -       | - . -       | - . -       | 2 . 24      | 2 . 20      |    |      |
| 140 . 0.5   | 227 . 0.5   | 286 . 0.2   | - . -       | - . -       |    |      |
| - . -       | - . -       | - . -       | 1 . SE 1    | 1 . NNE 1   |    |      |
| NNE . 7.5   | NNE . 7.5   | NNE . 7     | NW . 2      | N . 2       |    |      |
| 20.0        | 20.0        | 20.0        | 19.6        | 19.6        |    |      |
| - . -       | - . -       | - . -       | Ac . 7      | Ac . 6      |    |      |
| bc          | bc          | c           | bc          | bc          |    |      |
| 1,010.2     | 1,011.0     | 1,010.1     | 1,010.1     | 1,010.0     |    |      |



# 海 洋 観 測 表

第 11 次航海

| 海 域 ・ 年 月                  |                                | 沖 縄 南 部 沿 岸 定 線 |         |             |         |             |         |             |         |             |        |  |
|----------------------------|--------------------------------|-----------------|---------|-------------|---------|-------------|---------|-------------|---------|-------------|--------|--|
| 観 測 地 点                    | St. No                         | 1               |         | 2           |         | 3           |         | 4           |         | 5           |        |  |
|                            | Lat. N                         | 26°-04'         |         | 25°-58'     |         | 25°-54'     |         | 25°-49.5'   |         | 25°-56'     |        |  |
|                            | Long. E                        | 127°-39.5'      |         | 127°-43'    |         | 127°-46'    |         | 127°-59'    |         | 127°-59'    |        |  |
| 観 測 日 時                    | 日                              | 30              |         | 30          |         | 30          |         | 30          |         | 30          |        |  |
|                            | 時 分                            | 10:47~11:42     |         | 12:27~12:58 |         | 13:45~14:25 |         | 15:18~15:36 |         | 16:33~17:17 |        |  |
| 所<br><br>定<br><br>層        | 水<br><br>温<br><br>(°C)         | 0               | 23.3    |             | 22.9    |             | 23.1    |             | 23.0    |             | 23.0   |  |
|                            |                                | 10              | 23.01   |             | 22.79   |             | 23.00   |             | 22.81   |             | 22.80  |  |
|                            |                                | 20              | 22.94   |             | 22.75   |             | 22.97   |             | 22.71   |             | 22.52  |  |
|                            |                                | 30              | 22.85   |             | 22.61   |             | 22.92   |             | 22.78   |             | 22.65  |  |
|                            |                                | 50              | 22.48   |             | 22.45   |             | 22.69   |             | 22.77   |             | 22.49  |  |
|                            |                                | 75              | 22.49   |             | 22.41   |             | 22.57   |             | 22.76   |             | 22.22  |  |
|                            |                                | 100             | 22.05   |             | 22.35   |             | 22.19   |             | 22.51   |             | 21.98  |  |
|                            |                                | 150             | 20.75   |             | 21.70   |             | 21.44   |             | 21.75   |             | 21.10  |  |
|                            |                                | 200             | 20.26   |             | 20.76   |             |         |             |         |             | 20.58  |  |
|                            | 塩<br><br>分<br><br>量<br><br>(‰) | 0               | 34.644  |             | 34.751  |             | 34.709  |             | 34.861  |             | 34.769 |  |
|                            |                                | 10              | .686    |             | .754    |             | .704    |             | .814    |             | .769   |  |
|                            |                                | 20              | .664    |             | .751    |             | .700    |             | .783    |             | .787   |  |
|                            |                                | 30              | .677    |             | .780    |             | .695    |             | .843    |             | .787   |  |
|                            |                                | 50              | .742    |             | .796    |             | .787    |             | .924    |             | .772   |  |
|                            |                                | 75              | .810    |             | .823    |             | .859    |             | .924    |             | .837   |  |
|                            |                                | 100             | .823    |             | .874    |             | .861    |             | .930    |             | .909   |  |
|                            |                                | 150             | .879    |             | .894    |             | .915    |             | .921    |             | .921   |  |
|                            |                                | 200             | .874    |             | .915    |             |         |             |         |             | .894   |  |
| プ<br>ラ<br>ン<br>ク<br>ト<br>ン | ネ ッ ト 種 類                      | ㊟               | ㊞       |             |         | ㊟           | ㊞       |             |         | ㊟           | ㊞      |  |
|                            | 採 集 水 層                        | 0               | 150→0   |             |         | 0           | 150→0   |             |         | 0           | 150→0  |  |
|                            | 曳 網 時 間 (分)                    | 5               | 2.5     |             |         | 5           | 2.6     |             |         | 5           | 2.5    |  |
|                            | 沓 水 量 (m³)                     |                 | 21.46   |             |         |             | 22.27   |             |         |             | 21.31  |  |
|                            | 沈 澱 量 (cc)                     | 9               | 14.0    |             |         | 16          | 13.8    |             |         | 136         | 10.0   |  |
|                            | 湿 重 量 (mg)                     |                 | 750     |             |         |             | 1,001   |             |         |             | 724    |  |
| 海 深 (m)                    | 333                            |                 | 654     |             | —       |             | —       |             | —       |             |        |  |
| 水 色 ・ 透 明 度 (m)            | 2・30                           |                 | 2・21    |             | 2・22    |             | 2・24    |             | 2・24    |             |        |  |
| 流 向 (°) ・ 流 速 (Kt)         | 121・0.3                        |                 | 274・0.2 |             | 14・0.3  |             | 37・0.3  |             | —・—     |             |        |  |
| 波 浪 ・ ウ ネ リ                | 3・SSW2                         |                 | 3・SSW2  |             | 3・SW2   |             | 3・SW2   |             | 2・SW2   |             |        |  |
| 風 向 ・ 風 力 (m/s)            | SSW・5                          |                 | SW・5    |             | SW・6    |             | SW・5    |             | SW・5    |             |        |  |
| 気 温                        | 23.2                           |                 | 23.2    |             | 23.2    |             | 23.1    |             | 23.2    |             |        |  |
| 雲 形 ・ 雲 量                  | Ci,Cu,Cc・7                     |                 | Cu,Ns・9 |             | Ns・10   |             | Ns・10   |             | Ns・10   |             |        |  |
| 天 気                        | bc                             |                 | c       |             | c       |             | c       |             | c       |             |        |  |
| 気 圧 (mb)                   | 1,010.8                        |                 | 1,009.8 |             | 1,009.0 |             | 1,008.1 |             | 1,007.8 |             |        |  |

昭和56年3月

| 昭和 56 年 3 月   |             |             |             |             |  |
|---------------|-------------|-------------|-------------|-------------|--|
| 6             | 7           | 8           | 9           | 10          |  |
| 26°-02.5'     | 26°-06.5'   | 26°-09.5'   | 26°-12.9'   | 26°-12.9'   |  |
| 128°-09'      | 128°-05'    | 128°-01'    | 127°-57.2'  | 127°-52.3'  |  |
| 30            | 30          | 30          | 30          | 30          |  |
| 18:33~19:07   | 19:59~20:36 | 21:24~22:03 | 22:40~23:03 | 23:23~23:45 |  |
| 23.2          | 23.2        | 23.2        | 22.5        | 22.5        |  |
| 23.11         | 23.02       | 23.10       | 22.41       | 22.45       |  |
| 22.60         | 22.74       | 22.95       | 22.40       | 21.86       |  |
| 22.56         | 22.61       | 22.61       | 22.22       | 21.40       |  |
| 22.69         | 22.60       | 22.59       | 21.02       |             |  |
| 22.61         | 22.66       | 22.59       |             |             |  |
| 22.13         | 22.28       | 22.01       |             |             |  |
| 21.59         | 21.60       | 21.37       |             |             |  |
| 20.89         | 20.85       | 20.72       |             |             |  |
| 34.673        | 34.677      | 34.664      | 34.861      | 34.838      |  |
| .659          | .673        | .653        | .838        | .823        |  |
| .677          | .677        | .664        | .838        | .814        |  |
| .751          | .722        | .691        | .852        | .828        |  |
| .847          | .823        | .805        | .883        |             |  |
| .894          | .883        | .828        |             |             |  |
| .822          | .874        | .886        |             |             |  |
| .904          | .888        | .919        |             |             |  |
| .923          | .903        | .921        |             |             |  |
|               | ㊦ ㊧         |             | ㊦ ㊧         | ㊦ ㊧         |  |
|               | 0 150→0     |             | 0 50→0      | 0 30→0      |  |
|               | 5 2.5       |             | 5 0.8       | 5 0.5       |  |
|               | 18.89       |             | 6.07        | 3.69        |  |
|               | 197 11.2    |             | 62 3.2      | 56 3.0      |  |
|               | 1,291       |             | 296         | 183         |  |
| -             | 908         | 363         | 53          | 35          |  |
| - . -         | - . -       | - . -       | - . -       | - . -       |  |
| 285 . 0.2     | 46 . 0.2    | 100 . 0.8   | - . -       | - . -       |  |
| 2 . SW2       | - . -       | - . -       | - . -       | - . -       |  |
| W . 5         | W . 2       | SW . 2      | SW . 3      | WSW . 2     |  |
| 23.1          | 23.2        | 23.0        | 22.8        | 22.8        |  |
| Ns, Ac, Cu*10 | - . -       | - . -       | - . -       | - . -       |  |
| c             | -           | -           | -           | -           |  |
| 1,008.8       | 1,009.1     | 1,009.3     | 1,010.0     | 1,010.0     |  |