

I 沖合定線海洋観測表

第2表

海洋観測表

(沖繩県)

| 海域・年月    |       | 久米島北西沖合定線 昭和50年5月 |           |           |           |           |           |           |           |           |           |           |           |
|----------|-------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 観測<br>地点 | St No | 1                 | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        |
| 観測<br>日時 | Lat N | 26°23'0"          | 26°49'    | 27°06'    | 27°24'    | 27°42'    | 28°00'    | 27°35'    | 27°08'    | 26°50'    | 26°32'    | 26°13'    | 25°54'    |
|          | LongE | 127°17'0"         | 127°33'   | 127°06'   | 126°40'   | 126°13'   | 125°46'   | 125°30'   | 125°13'   | 125°40'   | 126°05'   | 126°34'   | 127°30'   |
|          | 日     | 5-20              | 5-20      | 5-21      | 5-21      | 5-21      | 5-21      | 5-21      | 5-22      | 5-22      | 5-22      | 5-22      | 5-22      |
|          | 時分    | 1815-2000         | 2345-0055 | 0455-0610 | 1005-1140 | 1255-1605 | 1915-2030 | 2320-0015 | 0320-0405 | 0810-0945 | 1330-1450 | 1850-2005 | 2315-2420 |
| 水        | 深     | 0                 | 24.3      | 24.3      | 25.4      | 26.8      | 25.9      | 23.1      | 22.5      | 24.9      | 25.5      | 26.0      | 26.7      |
|          |       | 水深                | 24.3      | 24.3      | 25.4      | 26.8      | 25.9      | 23.1      | 22.5      | 24.9      | 25.5      | 26.0      | 26.7      |
| 実        | 温     | 0                 | 24.23     | 24.33     | 25.45     | 26.83     | 25.96     | 14.2301   | 18.22.1   | 17.24.42  | 25.54     | 27.28     | 26.81     |
|          |       | 水温                | 24.19     | 24.44     | 25.46     | 26.87     | 25.98     | 24.2306   | 28.22.01  | 26.24.04  | 25.24     | 27.29     | 26.07     |
| 測        | 層     | 30                | 23.86     | 24.36     | 25.50     | 26.85     | 25.73     | 33.22.13  | 37.21.86  | 35.22.81  | 24.15     | 27.31     | 26.42     |
|          |       | 水温                | 23.11     | 23.94     | 25.46     | 26.33     | 24.45     | 52.21.36  | 56.20.84  | 54.21.45  | 22.95     | 27.21     | 25.42     |
| 層        | 量     | 75                | 22.51     | 23.35     | 24.52     | 25.44     | 23.20     | 76.19.17  | 79.19.20  | 77.20.35  | 89.20.75  | 105.23.73 | 110.23.38 |
|          |       | 水温                | 10.0      | 10.3      | 22.29     | 98.22.31  | 103.23.99 | 24.70     | 21.85     | 100.18.98 | 102.19.07 | 100.18.97 | 159.15.28 |
| 層        | 分     | 150               | 150.2     | 158       | 147.21.07 | 151.22.31 | 21.94     | 18.73     |           |           |           | 159.15.28 | 147.21.33 |
|          |       | 水温                | 200       | 197.20.15 | 177.19.93 | 200.20.73 | 19.77     | 14.65     |           |           |           |           | 205.11.94 |
| 層        | 量     | 300               | 318.16.16 | 247.18.17 | 331.16.61 | 293.16.64 | 294.10.18 |           |           |           |           | 358.8.79  | 470.7.94  |
|          |       | 水温                | 400       | 410.12.76 | 320.16.25 | 415.13.57 | 390.13.71 |           |           |           |           |           | 454.7.75  |
| 層        | 量     | 500               | 504.10.35 | 400.14.34 | 496.10.24 | 488.9.39  |           |           |           |           |           | 552.6.79  | 647.6.08  |
|          |       | 水温                | 600       | 601.8.32  | 637.7.84  | 582.7.40  |           |           |           |           |           |           | 651.5.74  |
| 層        | 量     | 0                 | 34.456    | 34.315    | 34.310    | 34.301    | 34.366    | 34.252    | 34.175    | 34.315    | 34.223    | 34.333    | 34.399    |
|          |       | 塩分                | 10        | 4.38      | 3.15      | 2.79      | 2.74      | 3.30      | 2.52      | 0.37      | 0.399     | 2.14      | 3.43      |
| 層        | 量     | 20                | 4.35      | 3.24      | 2.52      | 2.79      | 3.43      | 2.38      | 1.56      | 3.24      | 0.72      | 3.10      | 3.57      |
|          |       | 塩分                | 30        | 4.26      | 3.15      | 3.06      | 2.79      | 3.21      | 2.23      | 1.84      | 3.48      | 0.72      | 3.30      |
| 層        | 量     | 50                | 4.71      | 5.12      | 3.06      | 4.65      | 5.16      | 4.47      | 3.52      | 4.85      | 0.53      | 3.66      | 5.36      |
|          |       | 塩分                | 75        | 6.82      | 5.99      | 5.54      | 4.56      | 6.73      | 6.82      | 6.73      | 5.03      | 5.85      | 6.68      |
| 層        | 量     | 100               | 6.82      | 6.44      | 6.35      | 5.72      | 7.80      | 7.00      | 7.18      | 6.26      | 7.27      | 8.19      | 7.13      |
|          |       | 塩分                | 150       | 7.83      | 8.14      | 7.96      | 7.96      | 6.26      | 6.26      | 6.26      | 6.26      | 5.90      | 8.56      |
| 層        | 量     | 200               | 7.83      | 7.96      | 8.23      | 8.52      | 5.45      | 5.45      | 5.45      | 5.45      | 4.94      | 8.28      | 8.47      |
|          |       | 塩分                | 300       | 6.77      | 7.83      | 7.00      | 6.64      | 3.93      | 3.93      | 3.93      | 3.93      | 3.48      | 3.57      |
| 層        | 量     | 400               | 4.80      | 6.68      | 5.16      | 5.25      | 5.25      | 5.25      | 5.25      | 5.25      | 3.52      | 3.57      | 3.48      |
|          |       | 塩分                | 500       | 4.88      | 5.81      | 3.84      | 3.70      | 3.70      | 3.70      | 3.70      | 3.70      | 3.61      | 3.24      |
| 層        | 量     | 600               | 3.21      | 3.06      | 3.06      | 3.43      | 3.43      | 3.43      | 3.43      | 3.43      | 3.84      | 3.79      | 2.97      |
|          |       | 塩分                | 0         | 2.43      | 2.43      | 2.54      | 2.68      | 2.59      | 2.31      | 2.49      | 2.49      | 2.55      | 2.60      |
| 層        | 量     | 10                | 2.423     | 2.433     | 2.545     | 2.683     | 2.596     | 2.302     | 2.222     | 2.465     | 2.554     | 2.728     | 2.606     |
|          |       | 水温                | 20        | 2.419     | 2.444     | 2.546     | 2.687     | 2.598     | 2.302     | 2.222     | 2.465     | 2.554     | 2.728     |
| 層        | 量     | 30                | 2.386     | 2.436     | 2.550     | 2.685     | 2.573     | 2.303     | 2.203     | 2.432     | 2.544     | 2.729     | 2.683     |
|          |       | 水温                | 50        | 2.311     | 2.394     | 2.546     | 2.633     | 2.445     | 2.303     | 2.203     | 2.432     | 2.544     | 2.729     |

| 所定層              | 30      | 2386  | 2436  | 2550  | 2685  | 2573  | 2228   | 2198  | 2350  | 2731    | 2607  | 2642  |
|------------------|---------|-------|-------|-------|-------|-------|--------|-------|-------|---------|-------|-------|
| 温                | 50      | 2311  | 2394  | 2548  | 2633  | 2445  | 2150   | 2127  | 2168  | 2721    | 2542  | 2572  |
|                  | 75      | 2251  | 2335  | 2457  | 2544  | 2320  | 1918   | 1943  | 2041  | 2554    | 2458  | 2488  |
|                  | 100     | 2228  | 2224  | 2406  | 2470  | 2185  | 1898   | 1907  | 1897  | 2406    | 2375  | 2410  |
|                  | 150     | 2158  | 2098  | 2232  | 2194  | 1873  |        |       | 1610  | 2120    | 2241  | 2241  |
|                  | 200     | 2006  | 1925  | 2073  | 1977  | 1465  |        |       | 1128  | 1968    | 2039  | 2038  |
|                  | 300     | 1690  | 1679  | 1728  | 1650  |       |        |       | 937   | 1608    | 1877  | 1644  |
|                  | 400     | 1310  | 1434  | 1420  | 1306  |       |        |       | 833   | 1157    | 1624  | 1318  |
|                  | 500     | 1038  |       | 1019  | 908   |       |        |       | 728   | 771     | 855   | 1052  |
|                  | 600     | 833   |       | 828   |       |       |        |       | 625   | 640     | 738   | 784   |
|                  | 0       | 34456 | 34315 | 34310 | 34301 | 34366 | 34252  | 34175 | 34315 | 34223   | 34333 | 34357 |
| 塩                | 10      | 438   | 315   | 279   | 274   | 330   | 252    | 080   | 375   | 214     | 343   | 352   |
|                  | 20      | 435   | 324   | 252   | 279   | 343   | 242    | 038   | 385   | 572     | 310   | 220   |
|                  | 30      | 426   | 315   | 306   | 279   | 321   | 225    | 162   | 332   | 572     | 330   | 453   |
|                  | 50      | 471   | 512   | 306   | 465   | 516   | 438    | 279   | 470   | 653     | 366   | 498   |
|                  | 75      | 682   | 599   | 528   | 456   | 673   | 678    | 636   | 501   | 608     | 556   | 638   |
|                  | 100     | 682   | 650   | 622   | 572   | 780   | 700    | 716   | 626   | 802     | 635   | 702   |
|                  | 150     | 783   | 815   | 796   | 796   | 626   |        |       | 612   | 858     | 742   | 790   |
|                  | 200     | 783   | 790   | 823   | 852   | 545   |        |       | 503   | 816     | 830   | 852   |
|                  | 300     | 716   | 720   | 748   | 650   |       |        |       | 389   | 570     | 816   | 722   |
|                  | 400     | 501   | 581   | 550   | 510   |       |        |       | 350   | 422     | 650   | 515   |
|                  | 500     | 388   |       | 380   | 365   |       |        |       | 351   | 352     | 306   | 338   |
|                  | 600     | 322   |       | 321   |       |       |        |       | 372   | 350     | 305   | 298   |
| ネット種類            | ⑤       | ⑤     | ⑤     | ⑤     | ⑤     | ⑤     | ⑤      | ⑤     |       |         |       |       |
| 採集水層             | 0       | 0-150 | 0     | 0-150 | 0     | 0-150 | 0      | 0-100 |       |         |       |       |
| 曳網時間(分)          | 5       | 3     | 5     | 3     | 5     | 3     |        |       |       |         |       |       |
| 海深(m)            | 710     | 550   |       |       | 500   | 110   | 110    | 110   | 110   |         |       |       |
| 水色・透明度(m)        | 2・18    | —     | —     | —     | 2・25  | 2・16  | —      | —     | —     | 3・14    | 2・17  | —     |
| 流向・流速            |         |       |       |       |       |       |        |       |       |         |       |       |
| 波浪・ウネリ           | 2・2     | 2・2   | 2・2   | 2・2   | 3・3   | 3・3   | 4・4    | 3・3   | 5・4   | 5・4     | 4・4   | 3・3   |
| 風向・風力            | NE3     | NE2   | NE3   | NE3   | NE4   | NE4   | NE5    | NE4   | NE6   | NE6     | NE6   | NE4   |
| 気温               | 221     | 218   | 220   | 200   | 200   | 185   | 190    | 190   | —     | 220     | 240   | 235   |
| 雲形・雲量            | 9       | 9     | 10    | 9     | 10    | 10    | 10     | 10    | 10    | 10      | 10    | 9     |
| 天気               | C       | C     | R     | C     | O     | O     | O      | O     | O     | R       | O     | C     |
| 気圧(mb)           | 10110   | 10120 | 10105 | 10120 | 10105 | 10105 | 10100  | 10100 | 10080 | 10095   | 10100 | 10110 |
| 船名(トン数、馬力)       | 調査員 観測表 |       |       | 塩 友利  |       |       | プランクトン |       |       | 船 赤 嶺   |       |       |
| 図南丸(21609, 1000) | 友利・吉川   |       |       | 吉川    |       |       | 友利     |       |       | 長 赤 嶺   |       |       |
|                  |         |       |       |       |       |       |        |       |       | サリノメーター |       |       |

| 観測地点   | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12     |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
| St No  | 26-23     | 26-49     | 27-06     | 27-24     | 27-42     | 28-00     | 27-35     | 27-08     | 26-50     | 26-32     | 26-13     | 25-54  |
| Lat N  | 127-17    | 127-33    | 127-06    | 126-13    | 126-13    | 125-46    | 125-30    | 125-13    | 125-40    | 126-05    | 126-24    | 127-00 |
| Long E | 7-16      | 7-16      | 7-17      | 7-17      | 7-17      | 7-17      | 7-17      | 7-17      | 7-18      | 7-18      | 7-18      |        |
| 時分     | 1340-1545 | 1840-2055 | 0015-0135 | 0515-0640 | 1020-1145 | 1510-1615 | 1935-2035 | 2335-0020 | 0335-0440 | 0755-0845 | 1208-1255 |        |
| 観測日時   | 水深        | 水温        | 深度        | 水温        | 深度        | 水温        | 深度        | 水温        | 深度        | 水温        | 深度        | 水温     |
|        | 29.4      | 29.1      | 29.2      | 29.2      | 28.8      | 28.8      | 28.8      | 28.5      | 28.8      | 29.6      | 30.0      |        |
|        | 29.00     | 28.82     | 29.01     | 29.02     | 28.49     | 28.82     | 28.51     | 28.34     | 28.52     | 28.13     | 29.56     |        |
|        | 28.73     | 28.61     | 29.01     | 29.01     | 28.51     | 28.11     | 26.91     | 28.15     | 27.93     | 28.68     | 29.22     |        |
|        | 26.79     | 28.17     | 28.93     | 28.76     | 28.21     | 26.02     | 25.58     | 26.77     | 26.38     | 28.50     | 28.93     | 欠      |
|        | 25.99     | 25.83     | 28.82     | 27.31     | 24.91     | 52.2407   | 24.08     | 25.44     | 24.32     | 26.94     | 26.66     |        |
|        | 86.2478   | 74.2459   | 26.01     | 25.52     | 22.29     | 76.22.64  | 22.43     | 22.80     | 23.18     | 25.09     | 25.08     |        |
|        | 106.23.67 | 108.23.86 | 114.23.54 | 108.23.67 | 91.20.95  | 100.18.35 | 18.15     | 18.02     | 105.20.62 | 108.23.65 | 113.22.12 |        |
|        | 147.22.23 | 156.22.32 | 161.22.33 | 157.20.35 | 132.18.42 |           |           |           | 153.17.56 | 157.20.95 | 162.21.12 |        |
|        | 185.21.06 | 203.20.89 | 210.20.85 | 206.19.32 | 170.16.07 |           |           |           | 190.15.20 | 202.18.77 | 213.19.72 |        |
|        | 268.19.65 | 290.17.05 | 306.17.29 | 304.15.38 | 256.11.96 |           |           |           | 280.10.49 | 290.15.00 | 310.17.42 | 測      |
|        | 449.12.76 | 382.14.53 |           |           |           |           |           |           |           |           |           |        |
|        | 532.10.29 | 485.11.91 |           |           |           |           |           |           |           |           |           |        |
|        | 612.8.47  |           |           |           |           |           |           |           |           |           |           |        |
|        | 34014     | 33860     | 34223     | 33969     | 32982     | 31803     | 32079     | 32158     | 33446     | 34043     | 34375     |        |
|        | 100       | 887       | 142       | 34005     | 858       | 848       | 122       | 097       | 488       | 119       | 339       |        |
|        | 0.46      | 887       | 142       | 33950     | 937       | 32079     | 33365     | 525       | 710       | 106       | 229       |        |
|        | 0.61      | 824       | 184       | 34014     | 33452     | 33633     | 950       | 33575     | 34061     | 408       | 256       |        |
|        | 1.65      | 34243     | 184       | 399       | 34070     | 34037     | 34128     | 34119     | 435       | 718       |           |        |
|        | 476       | 447       | 444       | 668       | 288       | 220       | 420       | 247       | 644       | 796       | 677       |        |
|        | 604       | 650       | 713       | 745       | 536       | 695       | 682       | 635       | 557       | 792       | 861       |        |
|        | 718       | 828       | 769       | 828       | 604       |           |           |           | 682       | 894       | 856       |        |
|        | 792       | 939       | 870       | 772       |           |           |           |           | 599       | 865       | 870       |        |
|        | 650       | 828       | 819       | 664       | 453       |           |           |           | 408       | 608       | 823       |        |
|        | 429       | 668       |           |           |           |           |           |           |           |           |           |        |
|        | 444       | 507       |           |           |           |           |           |           |           |           |           |        |
|        | 306       |           |           |           |           |           |           |           |           |           |           |        |
|        | 294       | 291       | 292       | 292       | 288       | 288       | 288       | 285       | 288       | 296       | 300       |        |
|        | 2900      | 2882      | 2901      | 2902      | 2849      | 2882      | 2851      | 2834      | 2852      | 2913      | 2956      |        |
|        | 2873      | 2861      | 2901      | 901       | 2851      | 2811      | 2691      | 2815      | 93        | 2868      | 2922      |        |

|             |              |        |        |         |         |        |        |         |         |         |        |       |
|-------------|--------------|--------|--------|---------|---------|--------|--------|---------|---------|---------|--------|-------|
| 所 温         | 30           | 2679   | 2817   | 2893    | 876     | 2821   | 2602   | 2558    | 2677    | 2038    | 2850   | 2893  |
| 定 温 (°C)    | 50           | 2599   | 2583   | 2882    | 2731    | 2491   | 2480   | 2408    | 2544    | 2432    | 2694   | 2666  |
|             | 75           | 2517   | 2460   | 2601    | 2552    | 2229   | 2270   | 2243    | 2280    | 2318    | 2509   | 2508  |
|             | 100          | 2390   | 2402   | 2416    | 2404    | 2038   | 1835   | 1815    | 1802    | 2100    | 2393   | 2298  |
|             | 150          | 2212   | 2258   | 2260    | 2005    | 1740   | —      | —       | —       | 1776    | 2132   | 2133  |
|             | 200          | 2090   | 2096   | 2113    | 1948    | 1462   | —      | —       | —       | 1455    | 1835   | 2006  |
|             | 300          | 1718   | 1730   | 1752    | 1556    | —      | —      | —       | —       | —       | —      | 1750  |
|             | 400          | 1432   | 1391   | —       | —       | —      | —      | —       | —       | —       | —      | —     |
|             | 500          | 1110   | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
|             | 600          | 878    | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| 定 温         | 0            | 34014  | 33860  | 34223   | 33969   | 32982  | 31803  | 32079   | 32158   | 33446   | 34043  | 34375 |
| 塩 分         | 10           | 100    | 887    | 142     | 34005   | 858    | 848    | 122     | 097     | 488     | 119    | 339   |
|             | 20           | 046    | 887    | 142     | 33950   | 937    | 32079  | 33365   | 525     | 710     | 106    | 229   |
|             | 30           | 061    | 824    | 184     | 34014   | 33452  | 33633  | 950     | 33575   | 34061   | 408    | 256   |
|             | 50           | 165    | 34243  | 184     | 399     | 34070  | 34025  | 34128   | 34119   | 435     | 718    | 630   |
|             | 75           | 376    | 448    | 444     | 668     | 288    | 218    | 420     | 247     | 644     | 796    | 677   |
|             | 100          | 572    | 600    | 620     | 738     | 565    | 695    | 682     | 635     | 581     | 795    | 795   |
|             | 150          | 720    | 820    | 768     | 811     | 601    | —      | —       | —       | 680     | 871    | 870   |
|             | 200          | 798    | 932    | 851     | 792     | 563    | —      | —       | —       | 572     | 865    | 852   |
|             | 300          | 568    | 801    | 824     | 669     | —      | —      | —       | —       | —       | —      | 829   |
|             | 400          | 458    | 640    | —       | —       | —      | —      | —       | —       | —       | —      | —     |
|             | 500          | 436    | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
|             | 600          | 337    | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| ネット種類       | ①            | ②      | ③      | ④       | ⑤       | ⑥      | ⑦      | ⑧       | ⑨       | ⑩       | ⑪      | ⑫     |
| 採集水深        | 0-150        | 0-150  | 0-150  | 0-150   | 0-150   | 0-150  | 0-150  | 0-150   | 0-150   | 0-150   | 0-150  | 0-150 |
| 曳網時間分       | 5            | 5      | 4      | 5       | 4       | 5      | 4      | 5       | 4       | 5       | 4      | 5     |
| 海 深 (m)     | 732          | 1050   | —      | —       | —       | 750    | 110    | 110     | 120     | —       | —      | —     |
| 水色・透明度(m)   | 2・25         | 2・20   | —      | —       | —       | 3・26   | 3・21   | 2・—     | —       | —       | 2・29   | 2・28  |
| 流向・流速       | 28・108       | 77・096 | 38・048 | 308・096 | 270・060 | 78・060 | 70・016 | 159・066 | 340・098 | 313・129 | 59・072 | —     |
| 波浪・ウネリ      | 3・2          | 3・3    | 2・2    | 2・2     | 3・2     | 2・3    | 2・2    | 2・2     | 2・2     | 2・2     | 2・1    | 2・1   |
| 風向・風力       | ESE4         | S 3    | S 3    | SSW3    | S 3     | SSW2   | S 3    | S 2     | SE2     | S 3     | E 3    | —     |
| 気温          | 302          | 290    | 288    | 288     | 305     | 301    | 287    | 288     | 285     | 291     | 314    | —     |
| 雲形・雲量       | 2            | 1      | 3      | 4       | 3       | 4      | 2      | 3       | —       | Cu 4    | Cu 1   | —     |
| 天気          | bc           | b      | bc     | bc      | bc      | bc     | bc     | bc      | bc      | bc      | bc     | b     |
| 気圧 (mb)     | 10130        | 10125  | 10125  | 10130   | 10140   | 10130  | 10130  | 10130   | 10140   | 10135   | 10150  | 10145 |
| 船名 (トン数、馬力) | 216.09、10.00 | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| 調査員         | 友利           | 友利     | 友利     | 友利      | 友利      | 友利     | 友利     | 友利      | 友利      | 友利      | 友利     | 友利    |
| 観測表         | —            | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| プランクトン      | —            | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| 船 長         | —            | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| 赤 領         | —            | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| サリノメーター     | —            | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |
| TS-E2型      | —            | —      | —      | —       | —       | —      | —      | —       | —       | —       | —      | —     |

(沖繩県)

海洋観測表

第4表

| 海域・年月 |         | 久米島北西海域冲合定線 昭和50年9月 |           |           |           |           |           |           |           |           |           |           |           |
|-------|---------|---------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 観測地点  | St. No. | 1                   | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12        |
| 緯度    | Lat N   | 26°23'              | 26°49'    | 27°06'    | 27°24'    | 27°42'    | 28°00'    | 27°35'    | 27°08'    | 26°50'    | 26°32'    | 26°13'    | 25°54'    |
| 経度    | Long E  | 127°17'             | 126°33'   | 127°06'   | 126°40'   | 126°13'   | 125°46'   | 125°30'   | 125°13'   | 125°40'   | 126°05'   | 126°24'   | 127°00'   |
| 観測日時  | 日       | 9-17                | 9-17      | 9-17      | 9-18      | 9-18      | 9-18      | 9-18      | 9-18      | 9-19      | 9-19      | 9-19      | 9-19      |
| 時分    | 分       | 1343-1455           | 1810-1930 | 2245-2350 | 0305-0425 | 0830-0930 | 1306-1430 | 1710-1748 | 2105-2140 | 0050-0140 | 0425-0525 | 0904-0945 | 1300-1355 |
| 水温    | 0       | 300                 | 293       | 293       | 292       | 290       | 295       | 295       | 293       | 287       | 292       | 291       | 290       |
|       | 10      | 28.96               | 29.30     | 29.33     | 29.25     | 29.04     | 29.00     | 29.24     | 21.29.33  | 11.28.64  | 29.33     | -         | 29.19     |
|       | 20      | 28.88               | 29.01     | 29.19     | 29.21     | 28.90     | 28.90     | 28.95     | 31.29.23  | 28.09     | 29.37     | -         | 28.41     |
|       | 30      | 28.40               | 28.72     | 28.93     | 29.05     | 28.27     | 28.60     | 28.63     | 40.28.51  | 28.00     | 29.33     | -         | 27.94     |
|       | 50      | 27.68               | 28.20     | 29.13     | 28.58     | 27.35     | 26.50     | 26.71     | 60.25.99  | 27.37     | 28.83     | -         | 27.11     |
|       | 75      | 26.05               | 26.30     | 27.14     | 27.58     | 25.28     | 18.04     | 24.34     | 84.21.66  | 26.24     | 74.28.60  | -         | 74.25.29  |
|       | 100     | 105.23.97           | 99.24.82  | 103.25.91 | 107.26.44 | 98.24.57  | 17.72     | 17.95     | 108.19.10 | 109.23.88 | 102.27.30 | 107.25.17 | 97.24.32  |
|       | 150     | 155.21.24           | 149.22.32 | 24.75     | 156.24.05 | 145.21.09 |           |           |           | 158.20.74 | 151.23.62 | 150.22.23 | 145.22.39 |
|       | 200     | 204.19.83           | 198.20.59 | 199.20.88 | 205.19.94 | 193.17.46 |           |           |           | 206.18.09 | 201.21.06 | 193.20.71 | 193.19.82 |
|       | 300     | 304.17.39           | 297.17.43 | 295.17.45 | 303.15.50 | 288.10.91 |           |           |           | 304.13.07 | 300.17.72 | 279.17.78 | 290.15.66 |
| 400   |         |                     |           |           |           |           |           |           |           |           |           |           |           |
| 500   |         |                     |           |           |           |           |           |           |           |           |           |           |           |
| 600   |         |                     |           |           |           |           |           |           |           |           |           |           |           |
| 塩分量   | 0       | 34.306              | 34.306    | 33.737    | 33.746    | 33.578    | 33.502    | 33.383    | 33.512    | 33.878    | 33.855    | 33.969    | 34.339    |
|       | 10      | .223                | .261      | .683      | .728      | .578      | .428      | .383      | .488      | .851      | .864      | .956      | .310      |
|       | 20      | .214                | .247      | .687      | .723      | .710      | .446      | .407      | .455      | .929      | .860      | .996      | .324      |
|       | 30      | .193                | .315      | .819      | .741      | 34.046    | .524      | .419      | .533      | .938      | .860      | 34.276    | .324      |
|       | 50      | .193                | .279      | .911      | 34.088    | .211      | .754      | .929      | .696      | 34.306    | .950      | .276      | .485      |
|       | 75      | —                   | .525      | 34.375    | .184      | .420      | 34.504    | .914      | 34.417    | .252      | 34.223    | .408      | .635      |
|       | 100     | .727                | .659      | .426      | .599      | .539      | .623      | 34.604    | .644      | .361      | .447      | .626      | .709      |
|       | 150     | .856                | .819      | .772      | .783      | .742      |           |           |           | .653      | .796      | .856      | .843      |
|       | 200     | .856                | .865      | .838      | .783      | .709      |           |           |           | .653      | .874      | .897      | .906      |
|       | 300     | .796                | .783      | .823      | .691      | .507      |           |           |           | .563      | .823      | .879      | .879      |
| 400   |         |                     |           |           |           |           |           |           |           |           |           |           |           |
| 500   |         |                     |           |           |           |           |           |           |           |           |           |           |           |
| 600   |         |                     |           |           |           |           |           |           |           |           |           |           |           |
| 水     | 0       | 300                 | 293       | 293       | 292       | 290       | 295       | 295       | 293       | 287       | 292       | 291       | 290       |
|       | 10      | 28.96               | 29.30     | 29.33     | 29.25     | 29.04     | 29.00     | 29.24     | 21.29.33  | 11.28.64  | 29.33     | -         | 29.19     |
|       | 20      | 28.88               | 29.01     | 29.19     | 29.21     | 28.90     | 28.90     | 28.95     | 31.29.23  | 28.09     | 29.37     | -         | 28.41     |
| 水     | 0       | 300                 | 293       | 293       | 292       | 290       | 295       | 295       | 293       | 287       | 292       | 291       | 290       |
|       | 10      | 28.96               | 29.30     | 29.33     | 29.25     | 29.04     | 29.00     | 29.24     | 21.29.33  | 11.28.64  | 29.33     | -         | 29.19     |
|       | 20      | 28.88               | 29.01     | 29.19     | 29.21     | 28.90     | 28.90     | 28.95     | 31.29.23  | 28.09     | 29.37     | -         | 28.41     |

| 所定                | 30         | 28.40  | 28.72  | 28.93  | 29.05  | 28.27  | 28.60  | 28.63  | 29.23  | 28.00  | 29.33  | —      | 27.94            |
|-------------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------|
| 温                 | 50         | 27.68  | 28.20  | 29.13  | 28.58  | 27.35  | 26.50  | 26.71  | 27.43  | 27.37  | 28.83  | —      | 27.11            |
|                   | 75         | 26.05  | 26.30  | 27.14  | 27.58  | 25.28  | 18.04  | 2.434  | 23.60  | 26.24  | 28.57  | —      | 25.24            |
|                   | 100        | 24.34  | 24.77  | 26.01  | 26.77  | 24.49  | 17.72  | 17.95  | 19.90  | 24.51  | 27.43  | 25.87  | 24.22            |
|                   | 150        | 21.50  | 22.29  | 24.75  | 24.37  | 20.80  |        |        |        | 21.15  | 23.59  | 22.23  | 22.10            |
|                   | 200        | 19.98  | 20.51  | 20.85  | 20.18  | 16.92  |        |        |        | 18.37  | 21.09  | 20.40  | 19.44            |
|                   | 300        | 17.48  | —      | —      | 15.70  | —      |        |        |        | 13.40  | 17.72  | —      | —                |
|                   | 400        |        |        |        |        |        |        |        |        |        |        |        |                  |
|                   | 500        |        |        |        |        |        |        |        |        |        |        |        |                  |
|                   | 600        |        |        |        |        |        |        |        |        |        |        |        |                  |
| 分                 | 0          | 34.306 | 34.306 | 33.737 | 33.746 | 33.578 | 33.502 | 33.383 | 33.512 | 33.878 | 33.855 | 33.969 | 34.339           |
| 量                 | 10         | .223   | .261   | .683   | .728   | .578   | .428   | .383   | .516   | .853   | .864   | .956   | .310             |
|                   | 20         | .214   | .247   | .687   | .723   | .710   | .446   | .407   | .495   | .929   | .860   | .996   | .324             |
|                   | 30         | .193   | .315   | .819   | .741   | 340.46 | .524   | .419   | .453   | .938   | .860   | 342.76 | .324             |
|                   | 50         | .193   | .279   | .911   | 340.88 | .211   | .754   | .929   | .602   | 343.06 | .950   | .276   | .485             |
|                   | 75         | —      | .525   | 343.75 | .184   | .420   | 346.04 | .914   | 341.50 | .252   | 342.33 | .530   | .640             |
|                   | 100        | .699   | .663   | .425   | .422   | .510   | .623   | 346.04 | .580   | .328   | .439   | .581   | .720             |
|                   | 150        | .847   | .821   | .772   | .699   | .749   |        |        |        | .615   | .791   | .856   | .860             |
|                   | 200        | .856   | .868   | .840   | .783   | .700   |        |        |        | .620   | .872   | .898   | .909             |
|                   | 300        | .802   | —      | —      | .698   | —      |        |        |        | .562   | .823   | —      | —                |
|                   | 400        |        |        |        |        |        |        |        |        |        |        |        |                  |
|                   | 500        |        |        |        |        |        |        |        |        |        |        |        |                  |
|                   | 600        |        |        |        |        |        |        |        |        |        |        |        |                  |
| ネット種類             | ①          | ②      | ③      | ④      | ⑤      | ⑥      | ⑦      | ⑧      | ⑨      | ⑩      | ⑪      | ⑫      | ⑬                |
| 採集水層              | 0-150      | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150  | 0-150            |
| 曳網時間(分)           | 5          | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5      | 5                |
| 海深(例)             | —          | 530    | —      | —      | —      | 600    | 110    | 110    | 119    | —      | —      | —      | —                |
| 水色・透明度(m)         | 2・31       | 2・25   | —      | —      | —      | 2・32   | 3・30   | 2・19   | —      | —      | —      | 2・32   | 2・23             |
| 流向・流速             | —          | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —                |
| 波浪・ウネリ            | 2・2        | 2・2    | 2・2    | 3・2    | 2・2    | 2・2    | 2・2    | 3・3    | 3・3    | 3・3    | 3・3    | 3・3    | 3・3              |
| 風向・風力             | E 2        | NEE 2  | ESE 3  | SES 3  | ESE 3  | SE 2   | SE 2   | SE 3   | SE 3   | S 4    | ESE 4  | SES 4  | SES 4            |
| 気温                | 320        | 29.2   | 28.4   | 28.3   | 29.0   | 29.0   | 31.0   | 29.7   | 28.7   | 28.5   | 28.4   | 29.0   | 29.3             |
| 雲形・雲量             | — 8        | — 4    | — 8    | — 3    | — 4    | — 4    | — 2    | — 3    | — 4    | — 5    | — 4    | — 4    | — 4              |
| 天気                | c          | bc     | c      | bc     | bc     | bc     | bc     | bc     | bc     | bc     | bc     | bc     | bc               |
| 気圧(mb)            | 101.45     | 100.00 | 100.00 | 100.05 | 100.05 | 100.05 | 100.00 | 100.00 | 100.05 | 100.05 | 100.00 | 100.00 | 100.05           |
| 船名(トン数、馬力)        | 調査員 喜屋武    |        |        |        |        |        |        |        |        |        |        |        | 観測表 喜屋武          |
| 図南丸(216.09, 1000) | 調査員 喜屋武、川崎 |        |        |        |        |        |        |        |        |        |        |        | 塩 友利             |
|                   | アランクトン     |        |        |        |        |        |        |        |        |        |        |        | 船長 赤嶺正弘          |
|                   |            |        |        |        |        |        |        |        |        |        |        |        | サリノメーター T S-E 2型 |

| 海 域         |           | 久 米 島 北 西 沖 合 定 線 |           |           |           |           |           |           |           |           |           |           |    |
|-------------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|
| 年 月         |           | 昭 和 5 1 年 1 月     |           |           |           |           |           |           |           |           |           |           |    |
| 観 測 地 点     | St No     | 1                 | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        | 12 |
| Lat N       | 26°-23'   | 26°-49'           | 27°-06'   | 27°-24'   | 27°-42'   | 28°-00'   | 27°-35'   | 27°-08'   | 26°-50'   | 26°-32'   | 26°-13'   | 25°-54'   |    |
| Long E      | 127°-17'  | 126°-33'          | 127°-06'  | 126°-40'  | 126°-13'  | 125°-46'  | 125°-30'  | 125°-13'  | 125°-40'  | 126°-05'  | 126°-24'  | 127°-00'  |    |
| 日 時         | 1-20      | 1-20              | 1-21      | 1-21      | 1-21      | 1-21      | 1-21      | 1-21      | 1-22      | 1-22      | 1-22      | 1-22      |    |
| 時 分         | 1410-1540 | 1920-2055         | 0005-0147 | 0525-0705 | 1030-1150 | 1550-1700 | 1950-2055 | 0000-0050 | 0400-0520 | 0805-0915 | 1240-1345 | 1905-1825 |    |
| 水 温 ( ° C ) | 0         | 208               | 211       | 213       | 218       | 218       | 194       | 206       | 201       | 222       | 225       | 216       |    |
|             | 10        | 2090              | 132103    | 112121    | 142181    | 112189    | 1940      | 2059      | 2006      | 2251      | 2256      | 122172    |    |
|             | 20        | 2081              | 232104    | 212130    | 232181    | 212190    | 1940      | 2049      | 2013      | 2241      | 2252      | 222171    |    |
|             | 30        | 2080              | 332100    | 302115    | 322184    | 312189    | 1943      | 1888      | 2010      | 2236      | 2252      | 322185    |    |
|             | 50        | 2070              | 522084    | 492119    | 512188    | 502187    | 551872    | 531810    | 521845    | 2232      | 2256      | 512171    |    |
|             | 75        | 2061              | 762066    | 732110    | 752180    | 752100    | 791846    | 771788    | 761827    | 2201      | 2255      | 752169    |    |
|             | 100       | 1102065           | 1142048   | 1042113   | 1222180   | 1331965   | 1031750   | 1021788   | 1001797   | 1152157   | 1232181   | 1252167   |    |
|             | 150       | 1532051           | 1561966   | 1412104   | 1542149   | 1811722   |           |           |           | 1631986   | 1691951   | 1712004   |    |
|             | 200       | 1961992           | 1991805   | 1801967   | 1861993   | 2191380   |           |           |           | 2101713   | 2131765   | 2171994   |    |
|             | 300       | 2821689           | 2901590   | 2741746   | 2741795   | 3281954   |           |           |           | 3041063   | 3071501   | 3101569   |    |
|             | 400       |                   |           |           |           |           |           |           |           |           |           |           |    |
|             | 500       |                   |           |           |           |           |           |           |           |           |           |           |    |
| 600         |           |                   |           |           |           |           |           |           |           |           |           |           |    |
| 塩 分 量 ( ‰ ) | 0         | 34742             | 34742     | 34695     | 34718     | 34659     | 34673     | 34713     | 34713     | 34659     | 34677     | 34722     |    |
|             | 10        | 742               | 709       | 727       | 718       | 677       | 691       | 713       | 713       | 659       | 673       | 713       |    |
|             | 20        | 742               | 709       | 695       | 718       | 677       | 691       | 713       | 722       | 653       | 677       | 713       |    |
|             | 30        | 745               | 713       | 727       | 722       | 653       | 691       | 653       | 722       | 659       | 677       | 760       |    |
|             | 50        | 736               | 727       | 727       | 722       | 653       | 617       | 623       | 617       | 682       | 664       | 727       |    |
|             | 75        | 733               | 695       | 742       | 718       | 695       | 677       | 659       | 613       | 695       | 664       | 736       |    |
|             | 100       | 736               | 709       | 713       | 718       | 713       | 576       | 626       | 635       | 763       | 852       | 718       |    |
|             | 150       | 736               | 801       | 745       | 796       | 650       |           |           |           | 673       | 843       | 832       |    |
|             | 200       | 810               | 801       | 832       | 856       | 576       |           |           |           | 673       | 792       | 823       |    |
|             | 300       | 763               | 664       | 787       | 792       | 375       |           |           |           | 471       | 653       | 700       |    |
|             | 400       |                   |           |           |           |           |           |           |           |           |           |           |    |
|             | 500       |                   |           |           |           |           |           |           |           |           |           |           |    |
| 600         |           |                   |           |           |           |           |           |           |           |           |           |           |    |
| 水           | 0         | 208               | 211       | 213       | 218       | 218       | 194       | 206       | 201       | 222       | 225       | 216       |    |
|             | 10        | 2090              | 2103      | 2121      | 2181      | 2189      | 1940      | 2059      | 2006      | 2251      | 2256      | 122172    |    |
|             | 20        | 2081              | 232104    | 212130    | 232181    | 212190    | 1940      | 2049      | 2013      | 2241      | 2252      | 222171    |    |
| 水           | 0         | 208               | 211       | 213       | 218       | 218       | 194       | 206       | 201       | 222       | 225       | 216       |    |
|             | 10        | 2090              | 132103    | 112121    | 142181    | 112189    | 1940      | 2059      | 2006      | 2251      | 2256      | 122172    |    |
|             | 20        | 2081              | 232104    | 212130    | 232181    | 212190    | 1940      | 2049      | 2013      | 2241      | 2252      | 222171    |    |

| 所 定 層              | 30       | 2080     | 2100   | 2115   | 2184   | 2189   | 1943   | 1888   | 2010     | 2236   | 2252     | 2185   | 2151   |  |  |          |  |  |
|--------------------|----------|----------|--------|--------|--------|--------|--------|--------|----------|--------|----------|--------|--------|--|--|----------|--|--|
| 温                  | 50       | 2070     | 2085   | 2119   | 2188   | 2187   | 1882   | 1815   | 1846     | 2232   | 2256     | 2171   | 2153   |  |  |          |  |  |
|                    | 75       | 2061     | 2068   | 2110   | 2180   | 2100   | 1850   | 1788   | 1828     | 2201   | 2255     | 2169   | 2157   |  |  |          |  |  |
|                    | 100      | 2062     | 2054   | 2110   | 2180   | 2047   | 1780   | 1788   | 1797     | 2172   | 2235     | 2168   | 2160   |  |  |          |  |  |
|                    | 150      | 2053     | 1983   | 2090   | 2161   | 1905   |        |        |          | 2046   | 2054     | 2110   | 2142   |  |  |          |  |  |
|                    | 200      | 1990     | 1802   | 1888   | 1925   | 1528   |        |        |          | 1765   | 1809     | 1995   | 2024   |  |  |          |  |  |
|                    | 300      |          |        |        |        | 1040   |        |        |          | 1094   | 1518     | 1603   |        |  |  |          |  |  |
|                    | 400      |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
|                    | 500      |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
|                    | 600      |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
| 塩                  | 0        | 34742    | 34742  | 34695  | 34718  | 34659  | 34673  | 34713  | 34713    | 34659  | 34677    | 34722  | 34704  |  |  |          |  |  |
|                    | 10       | .742     | .710   | .725   | .718   | .677   | .691   | .713   | .713     | .659   | .673     | .713   | .713   |  |  |          |  |  |
|                    | 20       | .742     | .709   | .696   | .718   | .677   | .691   | .713   | .722     | .653   | .677     | .713   | .713   |  |  |          |  |  |
|                    | 30       | .745     | .710   | .722   | .722   | .653   | .691   | .653   | .722     | .659   | .677     | .760   | .727   |  |  |          |  |  |
|                    | 50       | .736     | .727   | .728   | .722   | .653   | .620   | .625   | .619     | .682   | .664     | .727   | .727   |  |  |          |  |  |
|                    | 75       | .733     | .696   | .740   | .718   | .695   | .672   | .655   | .613     | .695   | .664     | .736   | .718   |  |  |          |  |  |
|                    | 100      | .735     | .700   | .711   | .718   | .718   | .594   | .630   | .635     | .750   | .736     | .728   | .720   |  |  |          |  |  |
|                    | 150      | .736     | .790   | .765   | .782   | .695   |        |        |          | .686   | .860     | .770   | .720   |  |  |          |  |  |
|                    | 200      | .810     | .801   | .850   | .860   | .614   |        |        |          | .673   | .810     | .830   | .810   |  |  |          |  |  |
|                    | 300      |          |        |        |        | .428   |        |        |          | .482   | .659     | .710   |        |  |  |          |  |  |
|                    | 400      |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
|                    | 500      |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
|                    | 600      |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
| ネット種類              |          |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
| 採集水深               | 0        |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
| 曳網時間               | 5        |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
| 海 深 (m)            |          |          |        |        |        |        | 110    | 110    | 110      |        |          |        |        |  |  |          |  |  |
| 水色・透明度             | 3・20     |          |        |        |        |        | 3・16   | 3・16   | 3・16     |        | 3・19     | 3・16   | 3・23   |  |  |          |  |  |
| 流向・流速              |          |          |        |        |        |        |        |        |          |        |          |        |        |  |  |          |  |  |
| 波浪・ウネリ             | 2・2      | 4・4      | 5・5    | 4・4    | 5・5    | 5・5    | 5・5    | 4・3    | 3・3      | 5・5    | 4・5      | 4・4    | 5・5    |  |  |          |  |  |
| 風向・風力              | NE 3     | NNE4     | N 6    | NE 5   | NE 5   | NE 5   | NE 5   | NNE5   | NNE5     | NE 6   | N 5      | NE 6   | N 6    |  |  |          |  |  |
| 気温                 | 191      | 178      | 160    | 152    | 140    | 140    | 120    | 120    | 128      | 142    | 144      | 151    | 152    |  |  |          |  |  |
| 雲形・雲量              | Cu Ns 10 | Cu Ns 10 | 10     | 10     | 10     | 10     | 10     | 10     | Ns Cu 10 | 10     | Ns Cu 10 | 10     | NS 10  |  |  |          |  |  |
| 天気                 | 0        | 0        | 0      | 0      | 0      | 0      | 0      | 0      | 0        | 0      | 0        | 0      | 0      |  |  |          |  |  |
| 気圧 (mb)            | 1021.5   | 1023.0   | 1022.5 | 1023.0 | 1023.0 | 1030.0 | 1030.0 | 1029.5 | 1029.5   | 1030.0 | 1030.5   | 1030.0 | 1027.5 |  |  |          |  |  |
| 船名 (トン数、馬力)        | 調査員      |          |        | 観測表    |        |        | 塩      |        |          | 友利     |          |        | 船      |  |  |          |  |  |
| 図南丸 (216.09 1,000) | 友利、吉川    |          |        | 友利     |        |        | 友利     |        |          | 友利     |          |        | 伊村一航士  |  |  | サリノメーター  |  |  |
|                    |          |          |        |        |        |        |        |        |          |        |          |        |        |  |  | T.S.E 2型 |  |  |



第6表

## 海洋観測表

(沖繩県)

| 海域・年月 |         | 久米島北西沖合定線 昭和51年3月 |           |           |           |           |           |          |           |           |           |           |          |  |
|-------|---------|-------------------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|----------|--|
| 観測地点  | St. No. | 1                 | 2         | 3         | 4         | 5         | 6         | 7        | 8         | 9         | 10        | 11        | 12       |  |
| 緯度    | 緯度      | 26°-23'           | 26°-49'   | 27°-06'   | 27°-24'   | 27°-42'   | 28°-00'   | 27°-35'  | 27°-08'   | 26°-50'   | 26°-32'   | 26°-13'   | 25°-54'  |  |
| 経度    | 経度      | 127°-17'          | 127°-33'  | 127°-06'  | 126°-40'  | 126°-13'  | 125°-46'  | 125°-30' | 125°-13'  | 125°-40'  | 126°-05'  | 126°-34'  | 127°-00' |  |
| 日時    | 時分      | 3-2               | 3-2       | 3-3       | 3-3       | 3-3       | 3-3       | 3-3      | 3-4       | 3-4       | 3-4       | 3-4       | 3-4      |  |
| 水     | 0       | 21.8              | 22.3      | 22.1      | 22.0      | 21.3      | 20.0      | 20.0     | 19.0      | 22.0      | 22.3      | 21.5      | 21.8     |  |
|       | 10      | 13:21.93          | 12:22.90  | 12:22.36  | 12:22.86  | 14:21.90  | 13:20.73  | 20.81    | 12:19.56  | 22.74     | 22.83     | 21.97     | 22.35    |  |
|       | 20      | 22:21.98          | 21:22.93  | 22:22.36  | 21:22.84  | 23:21.99  | 23:20.78  | 20.79    | 22:19.54  | 22.72     | 22.82     | 21.96     | 22.37    |  |
|       | 30      | 32:21.92          | 30:22.93  | 32:22.45  | 30:22.85  | 33:21.98  | 33:20.74  | 20.79    | 32:19.60  | 22.79     | 22.79     | 21.92     | 22.36    |  |
|       | 50      | 51:21.82          | 48:22.96  | 52:22.40  | 49:22.87  | 52:21.95  | 52:20.77  | 20.28    | 51:18.74  | 22.74     | 22.83     | 21.92     | 22.40    |  |
|       | 75      | 76:21.60          | 71:22.55  | 76:22.39  | 72:22.81  | 75:21.95  | 76:18.74  | 18.35    | 75:18.31  | 22.62     | 74:22.80  | 21.88     | 22.37    |  |
|       | 100     | 112:20.99         | 96:22.13  | 119:22.37 | 122:22.62 | 126:18.93 | 100:18.21 | 18.37    | 100:18.20 | 115:20.38 | 103:22.10 | 102:21.82 | 22.34    |  |
|       | 150     | 153:20.61         | 119:21.71 | 160:21.97 | 166:19.81 | 170:16.60 |           |          |           | 164:18.26 | 151:20.56 | 151:21.38 | 21.69    |  |
|       | 200     | 194:19.91         | 143:21.25 | 201:20.83 | 210:17.65 | 213:14.31 |           |          |           | 212:15.65 | 199:19.01 | 201:20.46 | 21.10    |  |
|       | 300     | 276:18.23         | 190:19.43 | 283:18.06 | 297:14.06 | 300:11.77 |           |          |           | 309:11.30 | 293:15.29 | 300:17.14 | 17.84    |  |
|       | 400     |                   |           |           |           |           |           |          |           |           |           |           |          |  |
|       | 500     |                   |           |           |           |           |           |          |           |           |           |           |          |  |
| 600   |         |                   |           |           |           |           |           |          |           |           |           |           |          |  |
| 塩分    | 0       | 34.703            | 34.650    | 34.673    | 34.686    | 34.686    | 34.671    | 34.677   | 34.653    | 34.626    | 34.650    | 34.736    | 34.709   |  |
|       | 10      | .695              | .626      | .673      | .691      | .686      | .664      | .677     | .653      | .626      | .650      | .727      | .695     |  |
|       | 20      | .695              | .635      | .673      | .691      | .686      | .653      | .700     | .641      | .626      | .632      | .727      | .700     |  |
|       | 30      | .695              | .644      | .659      | .691      | .713      | .668      | .677     | .644      | .623      | .641      | .713      | .695     |  |
|       | 50      | .690              | .632      | .659      | .686      | .700      | .673      | .677     | .668      | .650      | .653      | .713      | .691     |  |
|       | 75      | .722              | .653      | .659      | .686      | .700      | .727      | .677     | .677      | .650      | .644      | .722      | .695     |  |
|       | 100     | .754              | .733      | .700      | .704      | .700      | .677      | .686     | .682      | .772      | .686      | .722      | .695     |  |
|       | 150     | .763              | .787      | .700      | .883      | .668      |           |          |           | .709      | .828      | .754      | .751     |  |
|       | 200     | .763              | .817      | .787      | .704      | .594      |           |          |           | .604      | .870      | .783      | .783     |  |
|       | 300     | .801              | .801      | .823      | .585      | .485      |           |          |           | .465      | .168      | .783      | .814     |  |
|       | 400     |                   |           |           |           |           |           |          |           |           |           |           |          |  |
|       | 500     |                   |           |           |           |           |           |          |           |           |           |           |          |  |
| 600   |         |                   |           |           |           |           |           |          |           |           |           |           |          |  |
| 水     | 0       | 21.8              | 22.3      | 22.1      | 22.0      | 21.3      | 20.0      | 20.0     | 19.0      | 22.0      | 22.3      | 21.5      | 21.8     |  |
|       | 10      | 21.95             | 22.91     | 22.37     | 22.87     | 21.93     | 20.75     | 20.81    | 19.57     | 22.74     | 22.83     | 21.97     | 22.35    |  |
|       | 20      | 21.98             | 22.93     | 22.37     | 22.85     | 21.99     | 20.79     | 20.79    | 19.55     | 22.72     | 22.83     | 21.96     | 22.37    |  |

| 所温  | 2193      | 2293  | 2246  | 2285  | 2199  | 2075  | 2079  | 1961  | 2279  | 2279  | 2192  | 2236  |
|-----|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 30  | 2193      | 2293  | 2246  | 2285  | 2199  | 2075  | 2079  | 1961  | 2279  | 2279  | 2192  | 2236  |
| 50  | 2182      | 2292  | 2241  | 2285  | 2196  | 2078  | 2028  | 1880  | 2274  | 2283  | 2192  | 2240  |
| 75  | 2161      | 2246  | 2238  | 2278  | 2195  | 1875  | 1835  | 1831  | 2262  | 2280  | 2188  | 2237  |
| 100 | 2115      | 2210  | 2238  | 2269  | 2068  | 1821  | 1837  | 1818  | 2150  | 2225  | 2183  | 2234  |
| 150 | 2063      | 2105  | 2210  | 2112  | 1770  |       |       |       | 1880  | 2060  | 2140  | 2169  |
| 200 | 1988      |       | 2090  | 1810  | 1488  |       |       |       | 1640  | 1901  | 2050  | 2110  |
| 300 |           |       |       |       | 1177  |       |       |       | 1151  |       | 1714  | 1784  |
| 400 |           |       |       |       |       |       |       |       |       |       |       |       |
| 500 |           |       |       |       |       |       |       |       |       |       |       |       |
| 600 |           |       |       |       |       |       |       |       |       |       |       |       |
| 塩   | 0         | 34703 | 34650 | 34673 | 34686 | 34677 | 34677 | 34653 | 34626 | 34650 | 34736 | 34709 |
| 10  | .695      | .627  | .673  | .691  | .686  | .665  | .677  | .653  | .626  | .650  | .727  | .695  |
| 20  | .695      | .635  | .673  | .691  | .686  | .655  | .700  | .642  | .626  | .632  | .727  | .700  |
| 30  | .695      | .644  | .660  | .691  | .710  | .661  | .677  | .643  | .623  | .641  | .713  | .695  |
| 50  | .691      | .631  | .659  | .686  | .700  | .673  | .677  | .668  | .650  | .653  | .713  | .691  |
| 75  | .722      | .667  | .659  | .688  | .700  | .727  | .677  | .677  | .650  | .644  | .722  | .695  |
| 100 | .753      | .750  | .685  | .692  | .700  | .677  | .686  | .682  | .768  | .678  | .722  | .695  |
| 150 | .762      | .818  | .700  | .853  | .691  |       |       |       | .730  | .826  | .754  | .751  |
| 200 | .763      |       | .787  | .746  | .538  |       |       |       | .634  | .870  | .783  | .783  |
| 300 |           |       |       |       | .485  |       |       |       | .470  |       | .783  | .814  |
| 400 |           |       |       |       |       |       |       |       |       |       |       |       |
| 500 |           |       |       |       |       |       |       |       |       |       |       |       |
| 600 |           |       |       |       |       |       |       |       |       |       |       |       |
| 層   | ネット種類     | ⑤     | ⑤     | ⑤     | ⑤     | ⑤     | ⑤     |       |       |       |       |       |
| ク   | 採集水層      | 0     | 0     | 0     | 0     | 0     | 0     |       |       |       |       |       |
| ト   | 曳網時間(分)   | 5     | 5     | 5     | 5     | 5     | 5     |       |       |       |       |       |
| ン   | 海深 (m)    |       |       |       |       |       |       |       |       |       |       |       |
|     | 水色・透明度(m) | 3・20  | —・—   | —・—   | 3・16  | 3・14  | —・—   | 110   | 108   | 110   | —・—   | 2・20  |
|     | 流向・流速     |       |       |       |       |       |       |       |       |       |       | 2・20  |
|     | 波浪・ウネリ    | 4・4   | 5・5   | 5・5   | 5・5   | 5・5   | 5・5   | 5・5   | 4・4   | 3・3   | 2・3   | 1・2   |
|     | 風向・風力     | NNW5  | NNW6  | NNW6  | NNW6  | NNW6  | NNW6  | NNW6  | NNW4  | NNW4  | NNW3  | NNW2  |
|     | 気温        | 184   | 160   | —     | 120   | 113   | 120   | 120   | 131   | 150   | 168   | 169   |
|     | 雲形・雲量     | 8     | 10    | 9     | 9     | 8     | 8     | 9     | 8     | 9     | 8     | 8     |
|     | 天気        | bc    | 0     | C     | C     | bc    | bc    | C     | bc    | C     | bc    | bc    |
|     | 気圧 (mb)   | 10200 | 10220 | 10245 | 10255 | 10260 | 10270 | —     | 10250 | —     | 10230 | 10220 |

船名(トン数、馬力) 調査員 観測表 塩 友利 檢 プラントン 船 赤 長 横

凶南丸 (21609, 1000) 川崎 吉川 友利 檢 プラントン 船 赤 長 横

第7表 GEK観測結果

7-1) 昭和50年5月

|    |            |             |            |            |             |            |            |            |            |            |            |            |
|----|------------|-------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|
| ST | 1          | 1.5         | 2          | 2.5        | 3           | 3.5        | 4          | 4.5        | 5          | 5.5        | 6          | 6.5        |
| 月日 | 5-20       | 5-20        | 5-21       | 5-21       | 5-21        | 5-21       | 5-21       | 5-21       | 5-21       | 5-21       | 5-21       | 5-21       |
| 時間 | 17:40      | 21:57       | 01:10      | 02:55      | 06:30       | 08:27      | 11:37      | 13:27      | 15:42      | 17:44      | 20:14      | 21:57      |
| 流向 | 135°       | 296°        | 220°       | 246°       | 274°        | 10°        | 21°        | 41°        | 23°        | 345°       | 44°        | 133°       |
| 流速 | 0.74<br>kt | 0.26<br>kt  | 1.35<br>kt | 0.9<br>kt  | 0.216<br>kt | 0.78<br>kt | 0.96<br>kt | 1.81<br>kt | 1.18<br>kt | 0.84<br>kt | 0.44<br>kt | 0.49<br>kt |
| ST | 7          | 7.5         | 8          | 8.5        | 9           | 9.5        | 10         | 10.5       | 11         | 11.5       | 12         |            |
| 月日 | 5-21       | 5-22        | 5-22       | 5-22       | 5-22        | 5-22       | 5-22       | 5-22       | 5-22       | 5-22       | 5-23       |            |
| 時間 | 23:58      | 01:50       | 03:55      | 06:11      | 09:38       | 11:31      | 14:42      | 17:08      | 19:57      | 21:35      | 00:15      |            |
| 流向 | 210°       | 84°         | 285°       | 330°       | 160°        | 8°         | 29°        | 30°        | 112°       | 109°       | 153°       |            |
| 流速 | 0.44<br>kt | 0.605<br>kt | 0.90<br>kt | 0.66<br>kt | 0.06<br>kt  | 2.76<br>kt | 1.74<br>kt | 0.40<br>kt | 0.78<br>kt | 0.79<br>kt | 1.62<br>kt |            |

7-2) 昭和50年7月

|    |            |            |            |            |             |            |            |            |            |            |            |            |
|----|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|
| ST | 1          | 1.5        | 2          | 2.5        | 3           | 3.5        | 4          | 4.5        | 5          | 5.5        | 6          | 6.5        |
| 月日 | 7-16       | 7-16       | 7-16       | 7-16       | 7-17        | 7-17       | 7-17       | 7-17       | 7-17       | 7-17       | 7-17       | 7-17       |
| 時間 | 15:34      | 17:11      | 20:44      | 22:35      | 01:23       | 03:09      | 06:27      | 08:37      | 11:36      | 13:30      | 15:59      | 18:04      |
| 流向 | 94°        | 145°       | 157°       | 191°       | 80°         | 12°        | 28°        | 31°        | 0°         | 290°       | 70°        | 115°       |
| 流速 | 0.96<br>kt | 0.3<br>kt  | 0.66<br>kt | 0.66<br>kt | 0.384<br>kt | 0.9<br>kt  | 1.32<br>kt | 2.05<br>kt | 0.93<br>kt | 0.17<br>kt | 0.17<br>kt | 0.83<br>kt |
| ST | 7          | 7.5        | 8          | 8.5        | 9           | 9.5        | 10         | 10.5       | 11         | 11.5       | 12         |            |
| 月日 | 7-17       | 7-17       | 7-18       | 7-18       | 7-18        | 7-18       | 7-18       | 7-18       | 7-18       | 7-18       | —          |            |
| 時間 | 20:13      | 22:00      | 00:09      | 02:12      | 04:29       | 06:28      | 08:33      | 10:33      | 12:46      | 14:37      | —          |            |
| 流向 | 143°       | 214°       | 278°       | 76°        | 53°         | 54°        | 35°        | 27°        | 51°        | 9°         | —          |            |
| 流速 | 0.34<br>kt | 0.60<br>kt | 0.60<br>kt | 0.24<br>kt | 1.2<br>kt   | 1.47<br>kt | 1.62<br>kt | 0.60<br>kt | 1.62<br>kt | 0.84<br>kt | —          |            |

7-3) 昭和50年9月

|    |             |             |             |             |             |             |           |             |             |           |             |            |
|----|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|------------|
| ST | 1           | 1.5         | 2           | 2.5         | 3           | 3.5         | 4         | 4.5         | 5           | 5.5       | 6           | 6.5        |
| 月日 | 9-17        | 9-17        | 9-17        | 9-17        | 9-17        | 9-18        | 9-18      | 9-18        | 9-18        | 9-18      | 9-18        | 9-18       |
| 時間 | 14:45       | 16:34       | 19:20       | 21:03       | 23:42       | 01:35       | 05:05     | 06:37       | 09:19       | 11:33     | 13:50       | 15:31      |
| 流向 | 161°        | 162°        | 248°        | 342°        | 331°        | 16°         | 15°       | 25°         | 56°         | 100°      | 110°        | 90°        |
| 流速 | 0.372<br>kt | 0.492<br>kt | 0.36<br>kt  | 0.564<br>kt | 0.72<br>kt  | 0.87<br>kt  | 1.2<br>kt | 1.958<br>kt | 1.11<br>kt  | 1.1<br>kt | 0.522<br>kt | 0.05<br>kt |
| ST | 7           | 7.5         | 8           | 8.5         | 9           | 9.5         | 10        | 10.5        | 11          | 11.5      | 12          |            |
| 月日 | 9-18        | 7-18        | 7-18        | 9-18        | 9-19        | 9-19        | 9-19      | 9-19        | 9-19        | 9-19      | 9-19        |            |
| 時間 | 17:42       | 19:30       | 21:31       | 23:22       | 01:30       | 03:06       | 05:15     | 07:12       | 09:32       | 11:30     | 13:45       |            |
| 流向 | 339°        | 0°          | 290°        | 83°         | 84°         | 82°         | 106°      | 209°        | 225°        | 101°      | 135°        |            |
| 流速 | 0.165<br>kt | 0.11<br>kt  | 0.165<br>kt | 0.54<br>kt  | 1.896<br>kt | 2.376<br>kt | 0.9<br>kt | 0.384<br>kt | 0.384<br>kt | 0.6<br>kt | 0.678<br>kt |            |

7-1) 昭和51年1月

|    |             |            |             |            |            |             |             |            |             |             |            |             |
|----|-------------|------------|-------------|------------|------------|-------------|-------------|------------|-------------|-------------|------------|-------------|
| ST | 1           | 1.5        | 2           | 2.5        | 3          | 3.5         | 4           | 4.5        | 5           | 5.5         | 6          | 6.5         |
| 月日 | 1-20        | 1-20       | 1-20        | 1-20       | 1-21       | 1-21        | 1-21        | 1-21       | 1-21        | 1-21        | 1-21       | 1-21        |
| 時間 | 15:16       | 17:40      | 19:33       | 22:36      | 01:29      | 03:35       | 06:51       | 09:07      | 11:28       | 13:46       | 16:43      | 18:14       |
| 流向 | 177°        | 270°       | 112°        | 281°       | 156°       | 323°        | 118°        | 30°        | 23°         | 77°         | 96°        | 152°        |
| 流速 | 1.04<br>kt  | 0.12<br>kt | 0.27<br>kt  | 1.32<br>kt | 0.27<br>kt | 0.468<br>kt | 0.264<br>kt | 1.00<br>kt | 1.237<br>kt | 0.957<br>kt | 0.88<br>kt | 0.495<br>kt |
| ST | 7           | 7.5        | 8           | 8.5        | 9          | 9.5         | 10          | 10.5       | 11          | 11.5        | 12         |             |
| 月日 | 1-21        | 1-21       | 1-22        | 1-22       | 1-22       | 1-22        | 1-22        | 1-22       | 1-22        | 1-22        | 1-22       |             |
| 時間 | 20:31       | 22:23      | 00:32       | 02:24      | 04:58      | 06:37       | 09:58       | 10:43      | 13:25       | 15:21       | 18:02      |             |
| 流向 | 297°        | 301°       | 57°         | 90°        | 51°        | 14°         | 240°        | 4°         | 346°        | 65°         | 316°       |             |
| 流速 | 0.825<br>kt | 0.66<br>kt | 1.182<br>kt | 1.0<br>kt  | 1.5<br>kt  | 0.45<br>kt  | 0.9<br>kt   | 0.84<br>kt | 0.42<br>kt  | 0.456<br>kt | 0.72<br>kt |             |

7-5) 昭和51年3月

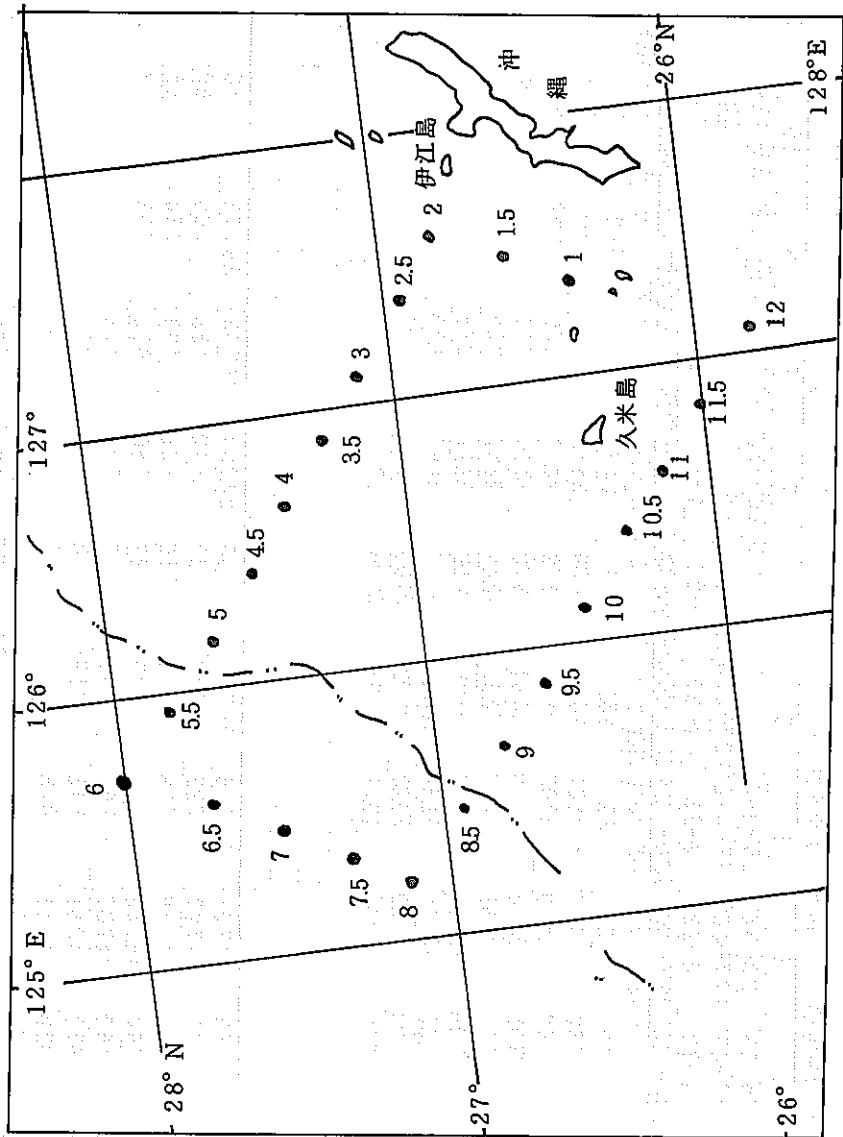
|    |            |            |            |            |            |            |            |            |            |            |            |            |
|----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| ST | 1          | 1.5        | 2          | 2.5        | 3          | 3.5        | 4          | 4.5        | 5          | 5.5        | 6          | 6.5        |
| 月日 | 3-2        | 3-2        | 3-2        | 3-2        | 3-3        | 3-3        | 3-3        | 3-3        | 3-3        | 3-3        | 3-3        | 3-3        |
| 時間 | 15:20      | 17:40      | 20:55      | 23:05      | 02:33      | 04:55      | 08:03      | 10:28      | 13:03      | 15:28      | 18:35      | 20:15      |
| 流向 | 90°        | 213°       | 170°       | 252°       | 135°       | 49°        | 43°        | 11°        | 122°       | 143°       | 264°       | 230°       |
| 流速 | 0.78<br>kt | 0.78<br>kt | 1.32<br>kt | 0.45<br>kt | 0.14<br>kt | 0.6<br>kt  | 0.9<br>kt  | 0.39<br>kt | 0.21<br>kt | 0.74<br>kt | 0.31<br>kt | 0.86<br>kt |
| ST | 7          | 7.5        | 8          | 8.5        | 9          | 9.5        | 10         | 10.5       | 11         | 11.5       | 12         |            |
| 月日 | 3-3        | 3-4        | 3-4        | 3-4        | 3-4        | 3-4        | 3-4        | 3-4        | 3-4        | 3-4        | 3-4        |            |
| 時間 | 22:21      | 00:20      | 02:33      | 04:35      | 06:50      | 08:34      | 10:50      | 12:32      | 15:00      | 16:40      | 18:50      |            |
| 流向 | 355°       | 116°       | 120°       | 75°        | 32°        | 54°        | 160°       | 71°        | 78°        | 98°        | 149°       |            |
| 流速 | 0.53<br>kt | 0.34<br>kt | 0.91<br>kt | 0.92<br>kt | 0.57<br>kt | 1.34<br>kt | 0.36<br>kt | 0.57<br>kt | 0.84<br>kt | 0.80<br>kt | 1.04<br>kt |            |

7-6) GEK 観測点

| St. No. | POSITION |          | St. No. | POSITION |          |
|---------|----------|----------|---------|----------|----------|
|         | LAT. N   | LONG. E  |         | LAT. N   | LONG. E  |
| 1       | 26°-23'  | 127°-17' | 7       | 27°-35'  | 125°-30' |
| 1.5     | 26°-31'  | 127°-27' | 7.5     | 27°-21'  | 125°-22' |
| 2       | 26°-49'  | 127°-33' | 8       | 27°-08'  | 125°-13' |
| 2.5     | 26-57    | 127-20   | 8.5     | 26-59    | 125-27   |
| 3       | 27-06    | 127-06   | 9       | 26-50    | 125-40   |
| 3.5     | 27-15    | 126-53   | 9.5     | 26-43    | 125-50   |
| 4       | 27-24    | 126-40   | 10      | 26-32    | 126-05   |
| 4.5     | 27-33    | 126-26   | 10.5    | 26-23    | 126-18   |
| 5       | 27-42    | 126-13   | 11      | 26-13    | 126-34   |
| 5.5     | 27-51    | 125-59   | 11.5    | 26-04    | 126-45   |
| 6       | 28-00    | 125-46   | 12      | 25-54    | 127-00   |
| 6.5     | 27-47    | 125-38   |         |          |          |

|     |   |   |   |    |    |    |    |    |    |    |    |
|-----|---|---|---|----|----|----|----|----|----|----|----|
| 1   | 2 | 3 | 4 | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| 1.5 | 2 | 3 | 4 | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| 2   | 3 | 4 | 5 | 6  | 7  | 8  | 9  | 10 | 11 | 12 |    |
| 2.5 | 3 | 4 | 5 | 6  | 7  | 8  | 9  | 10 | 11 | 12 |    |
| 3   | 4 | 5 | 6 | 7  | 8  | 9  | 10 | 11 | 12 |    |    |
| 3.5 | 4 | 5 | 6 | 7  | 8  | 9  | 10 | 11 | 12 |    |    |
| 4   | 5 | 6 | 7 | 8  | 9  | 10 | 11 | 12 |    |    |    |
| 4.5 | 5 | 6 | 7 | 8  | 9  | 10 | 11 | 12 |    |    |    |
| 5   | 6 | 7 | 8 | 9  | 10 | 11 | 12 |    |    |    |    |
| 5.5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 |    |    |    |    |
| 6   | 7 | 8 | 9 | 10 | 11 | 12 |    |    |    |    |    |
| 6.5 | 7 | 8 | 9 | 10 | 11 | 12 |    |    |    |    |    |

第22図 GEK観測位置



沿岸定線調査海洋観測表

第9表

海洋観測表

(沖繩県)

| 海域・年月    |            | 沖繩南部沿岸定線 昭和50年4月 |          |            |            |            |           |           |            |            |           |    |    |
|----------|------------|------------------|----------|------------|------------|------------|-----------|-----------|------------|------------|-----------|----|----|
| 観測地点     | St. No.    | 1                | 2        | 3          | 4          | 5          | 6         | 7         | 8          | 9          | 10        | 11 | 12 |
| Lat N    | 26°-04'    | 25°-58'          | 23°-54'  | 25°-49.5'  | 25°-56'    | 26°-02.5'  | 26°-06.5' | 26°-09.5' | 26°-12.9'  | 26°-12.9'  | 26°-12.9' |    |    |
| Long E   | 127°-39.5' | 127°-43'         | 127°-46' | 127°-49.0' | 127°-59.0' | 128°-09.0' | 128°-05'  | 128°-01'  | 127°-57.2' | 127°-52.3' |           |    |    |
| 観測日時     | 4-23       | 4-23             | 4-23     | 4-23       | 4-23       | 4-24       | 4-24      | 4-24      | 4-24       | 4-24       | 4-23      |    |    |
| 水 温 (°C) | 0          | 24.6             | 24.9     | 25.1       | 25.1       | 25.1       | 24.9      | 24.8      | 24.6       | 23.2       | 23.3      |    |    |
|          | 10         | 24.48            | 24.52    | 24.52      | 24.61      | 24.5       | 24.89     | 24.62     | 24.50      | 23.0       | 23.12     |    |    |
|          | 20         | 24.39            | 24.46    | 24.49      | 23.95      | 24.43      | 24.72     | 24.36     | 24.50      | 22.62      | 22.56     |    |    |
|          | 30         | 23.90            | 23.01    | 23.76      | 23.59      | 23.44      | 23.23     | 23.10     | 24.31      | 22.40      | 22.20     |    |    |
|          | 50         | 23.27            | 22.71    | 22.51      | 22.86      | 22.61      | 22.49     | 22.47     | 23.22      |            |           |    |    |
|          | 75         | 22.25            | 22.06    | 22.04      | 22.46      | 22.08      | 22.08     | 22.21     | 22.58      |            |           |    |    |
|          | 100        | 21.28            | 21.52    | 21.59      | 21.68      | 21.43      | 21.68     | 21.87     | 21.78      |            |           |    |    |
|          | 150        | 20.70            | 20.94    | 20.80      | 20.87      | 20.92      | 21.05     | 21.12     | 20.85      |            |           |    |    |
|          | 200        | 20.10            | 20.19    | 19.58      | 19.58      | 19.63      | 20.06     | 19.50     | 19.62      |            |           |    |    |
|          | 300        |                  |          |            |            |            |           |           |            |            |           |    |    |
|          | 400        |                  |          |            |            |            |           |           |            |            |           |    |    |
|          | 500        |                  |          |            |            |            |           |           |            |            |           |    |    |
| 600      |            |                  |          |            |            |            |           |           |            |            |           |    |    |
| 塩 分 (‰)  | 0          | 34.772           | 34.763   | 34.751     | 34.745     | 34.751     | 34.745    | 34.754    | 34.763     | 34.772     | 34.760    |    |    |
|          | 10         | .760             | .745     | 34.727     | .722       | .733       | .733      | .742      | .763       | .760       | .760      |    |    |
|          | 20         | .718             | .745     | 34.736     | .718       | .704       | .736      | .736      | .763       | .754       | .745      |    |    |
|          | 30         | .760             | .754     | 34.742     | .704       | .745       | .787      | .760      | .810       | .763       | .713      |    |    |
|          | 50         | .754             | .760     | 34.787     | .769       | .751       | .787      | .796      | .873       |            |           |    |    |
|          | 75         | .810             | .870     | 34.861     | .843       | .819       | .838      | .883      | .861       |            |           |    |    |
|          | 100        | .848             | .828     | 34.861     | .828       | .856       | .865      | .883      | .888       |            |           |    |    |
|          | 150        | .852             | .852     | 34.865     | .874       | .865       | .843      | .874      | .865       |            |           |    |    |
|          | 200        | .847             | .865     | 34.883     | .903       | .930       | .894      | .874      | .870       |            |           |    |    |
|          | 300        |                  |          |            |            |            |           |           |            |            |           |    |    |
|          | 400        |                  |          |            |            |            |           |           |            |            |           |    |    |
|          | 500        |                  |          |            |            |            |           |           |            |            |           |    |    |
| 600      |            |                  |          |            |            |            |           |           |            |            |           |    |    |
| 水        | 0          | 24.6             | 24.9     | 25.1       | 25.1       | 25.1       | 24.9      | 24.8      | 24.6       | 23.2       | 23.3      |    |    |
|          | 10         | 24.48            | 24.52    | 24.52      | 24.61      | 24.5       | 24.89     | 24.62     | 24.50      | 23.0       | 23.12     |    |    |
|          | 20         | 24.39            | 24.46    | 24.49      | 23.95      | 24.43      | 24.72     | 24.36     | 24.50      | 22.62      | 22.56     |    |    |

| 所定層        | 30             | 2390  | 2301  | 2376       | 2359  | 2344  | 2323          | 2310  | 2431  | 2240   | 2220  |
|------------|----------------|-------|-------|------------|-------|-------|---------------|-------|-------|--------|-------|
| 温 (°C)     | 50             | 2327  | 2271  | 2251       | 2286  | 2261  | 2249          | 2247  | 2322  |        |       |
|            | 75             | 2225  | 2206  | 2204       | 2246  | 2208  | 2208          | 2221  | 2258  |        |       |
|            | 100            | 2128  | 2152  | 2159       | 2168  | 2143  | 2168          | 2187  | 2178  |        |       |
|            | 150            | 2070  | 2094  | 2080       | 2087  | 2092  | 2105          | 2112  | 2085  |        |       |
|            | 200            | 2010  | 2019  | 1958       | 1958  | 1963  | 2006          | 1950  | 1962  |        |       |
|            | 300            |       |       |            |       |       |               |       |       |        |       |
|            | 400            |       |       |            |       |       |               |       |       |        |       |
|            | 500            |       |       |            |       |       |               |       |       |        |       |
|            | 600            |       |       |            |       |       |               |       |       |        |       |
| 塩分         | 0              | 34772 | 34763 | 34751      | 34745 | 34751 | 34745         | 34754 | 34763 | 34772  | 34760 |
|            | 10             | .760  | .745  | .727       | .722  | .733  | .733          | .742  | .763  | .760   | .760  |
|            | 20             | .718  | .745  | .736       | .718  | .704  | .736          | .736  | .763  | .754   | .745  |
|            | 30             | .760  | .754  | .742       | .704  | .745  | .787          | .760  | .810  | .763   | .713  |
|            | 50             | .754  | .760  | .787       | .769  | .751  | .787          | .796  | .873  |        |       |
|            | 75             | .810  | .870  | .861       | .843  | .819  | .838          | .883  | .861  |        |       |
|            | 100            | .848  | .828  | .861       | .828  | .856  | .865          | .883  | .888  |        |       |
|            | 150            | .852  | .852  | .865       | .874  | .865  | .843          | .874  | .865  |        |       |
|            | 200            | .847  | .865  | .883       | .903  | .930  | .894          | .874  | .870  |        |       |
|            | 300            |       |       |            |       |       |               |       |       |        |       |
|            | 400            |       |       |            |       |       |               |       |       |        |       |
|            | 500            |       |       |            |       |       |               |       |       |        |       |
|            | 600            |       |       |            |       |       |               |       |       |        |       |
| ネット種類      | ⑤              | ⑥     | ⑦     | ⑧          | ⑨     | ⑩     | ⑪             | ⑫     | ⑬     | ⑭      | ⑮     |
| 採集水層       | 0              | 0-50  | 0     | 0-50       | 0     | 0-50  | 0             | 0-50  | 0     | 0-50   | 0-30  |
| 曳網時間(分)    | 5              | 4     | 5     | 3          | 5     | 3     | 5             | 3     | 5     | 4      | 5     |
| 海深 (m)     |                |       |       |            |       |       |               |       |       |        |       |
| 水色・透明度(m)  | 2              | 2     | 2     | 2          | 2     | 2     | 2             | 2     | 2     | 2      | 2     |
| 流向・流速      |                |       |       |            |       |       |               |       |       |        |       |
| 波浪・ウネリ     | 1              | 1     | 1     | 1          | 1     | 1     | 2             | 1     | 2     | 1      | 1     |
| 風向・風力      | ESE2           | ESE2  | ESE2  | E2         | E2    | E2    | ENE3          | ENE3  | ENE3  | NNE3   | NE2   |
| 気温         | 220            | 227   | 228   | 234        | 234   | 250   | 260           | 232   | 230   | 222    | 235   |
| 雲形・雲量      | 7              | 6     | 6     | 7          | 7     | 9     | 8             | 9     | 9     | 9      | 10    |
| 天気         | bc             | bc    | bc    | bc         | bc    | C     | bc            | C     | C     | C      | O     |
| 気圧 (mb)    |                |       |       |            |       |       |               |       |       |        |       |
| 船名(トン数、馬力) | くろしお(2144 100) |       |       | 調査員 観測表 吉川 |       |       | プランクトン 船 比嘉幸一 |       |       | サリノマター |       |



| 海 域 ・ 年 月 |           | 金 武 湾 沿 岸 定 線 昭 和 5 〇 年 5 月 |            |            |           |            |           |           |          |       |       |       |       |
|-----------|-----------|-----------------------------|------------|------------|-----------|------------|-----------|-----------|----------|-------|-------|-------|-------|
| 観 測 地 点   | St No     | 1                           | 2          | 3          | 4         | 5          | 6         | 7         | 8        | 9     | 10    | 11    | 12    |
| Lat N     | 26°-13'   | 26°-13'                     | 26°-10'    | 26°-10'    | 26°-21.5' | 26°-23'    | 26°-24'   | 26°-25.5' | 26°-24'  |       |       |       |       |
| Long E    | 128°-05'  | 128°-10'                    | 128°-15.5' | 128°-16.5' | 128°-11'  | 128°-06.5' | 128°-02'  | 128°-02'  | 127°-55' |       |       |       |       |
| 日 時       | 5-30      | 5-30                        | 5-30       | 5-29       | 5-29      | 5-29       | 5-29      | 5-29      | 5-29     |       |       |       |       |
| 時 分       | 1250-1320 | 1135-1210                   | 1020-1057  |            | 1140-1220 | 1305-1335  | 1415-1435 | 1520-1535 |          |       |       |       |       |
| 観 測 日 時   | 深度:水温     | 深度:水温                       | 深度:水温      | 深度:水温      | 深度:水温     | 深度:水温      | 深度:水温     | 深度:水温     | 深度:水温    | 深度:水温 | 深度:水温 | 深度:水温 | 深度:水温 |
|           | 0         | 25.8                        | 25.5       | 25.9       | 25.5      | 25.4       | 25.2      | 25.2      | 25.1     |       |       |       |       |
|           | 10        | 25.39                       | 25.18      | 25.39      | 11:25.41  | 11:25.24   | 11:25.07  | 11:24.93  | 24.61    |       |       |       |       |
|           | 20        | 25.36                       | 25.12      | 25.35      | 21:25.35  | 21:25.24   | 21:25.02  | 21:24.73  | 24.35    |       |       |       |       |
|           | 30        | 25.22                       | 25.10      | 25.35      | 31:25.32  | 31:25.26   | 31:24.91  | 31:23.60  | 23.24    |       |       |       |       |
|           | 50        | 24.16                       | 24.41      | 24.24      | 50:24.26  | 50:23.99   | 50:23.47  | 50:23.27  |          |       |       |       |       |
|           | 75        | 23.38                       | 23.29      | 76:23.98   | 77:22.83  | 83:22.48   | 83:22.26  |           |          |       |       |       |       |
|           | 100       | -                           | 22.50      | 101:22.07  | 102:22.19 | 107:21.79  | 107:21.38 |           |          |       |       |       |       |
|           | 150       | 21.02                       | 21.23      | 150:21.16  | 150:21.02 | 152:20.77  | 152:20.61 |           |          |       |       |       |       |
|           | 200       | 20.62                       | 20.06      | 200:20.03  | 200:20.12 | 200:20.07  | 200:19.88 |           |          |       |       |       |       |
|           | 300       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 400       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 500       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 600       |                             |            |            |           |            |           |           |          |       |       |       |       |
| 実 測       | 0         | 34.379                      | 34.447     | 34.388     | 34.388    | 34.408     | 34.420    | 34.184    | 33.557   |       |       |       |       |
|           | 10        | .379                        | .402       | .411       | .330      | .333       | .333      | .064      | 33.723   |       |       |       |       |
|           | 20        | .379                        | .348       | .379       | .348      | .379       | .379      | .274      | 34.151   |       |       |       |       |
|           | 30        | .366                        | .393       | .379       | .402      | .447       | .485      | .554      | .567     |       |       |       |       |
|           | 50        | .673                        | .489       | .521       | .677      | .677       | .704      | .590      |          |       |       |       |       |
|           | 75        | .763                        | .641       | .760       | .760      | .754       | .682      |           |          |       |       |       |       |
|           | 100       | .763                        | .792       | .780       | .772      | .713       | .769      |           |          |       |       |       |       |
|           | 150       | .792                        | .736       | .832       | .814      | .832       | .772      |           |          |       |       |       |       |
|           | 200       | .772                        | .847       | .838       | .727      | .832       | .801      |           |          |       |       |       |       |
|           | 300       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 400       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 500       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 600       |                             |            |            |           |            |           |           |          |       |       |       |       |
| 層 量 (‰)   | 0         | 25.8                        | 25.5       | 25.9       | 25.5      | 25.4       | 25.2      | 25.2      | 25.1     |       |       |       |       |
| t         | 10        | 25.39                       | 25.18      | 25.39      | 25.41     | 25.24      | 25.07     | 24.93     | 24.61    |       |       |       |       |
| 〇         | 20        | 25.36                       | 25.12      | 25.35      | 25.32     | 25.26      | 24.91     | 23.60     | 23.24    |       |       |       |       |
| 水         | 30        | 25.22                       | 25.10      | 25.35      | 25.32     | 25.26      | 24.91     | 23.60     | 23.24    |       |       |       |       |
|           | 50        | 24.16                       | 24.41      | 24.24      | 50:24.26  | 50:23.99   | 50:23.47  | 50:23.27  |          |       |       |       |       |
|           | 75        | 23.38                       | 23.29      | 76:23.98   | 77:22.83  | 83:22.48   | 83:22.26  |           |          |       |       |       |       |
|           | 100       | -                           | 22.50      | 101:22.07  | 102:22.19 | 107:21.79  | 107:21.38 |           |          |       |       |       |       |
|           | 150       | 21.02                       | 21.23      | 150:21.16  | 150:21.02 | 152:20.77  | 152:20.61 |           |          |       |       |       |       |
|           | 200       | 20.62                       | 20.06      | 200:20.03  | 200:20.12 | 200:20.07  | 200:19.88 |           |          |       |       |       |       |
|           | 300       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 400       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 500       |                             |            |            |           |            |           |           |          |       |       |       |       |
|           | 600       |                             |            |            |           |            |           |           |          |       |       |       |       |
| 水         | 0         | 25.8                        | 25.5       | 25.9       | 25.5      | 25.4       | 25.2      | 25.2      | 25.1     |       |       |       |       |
|           | 10        | 25.39                       | 25.18      | 25.39      | 25.41     | 25.24      | 25.07     | 24.93     | 24.61    |       |       |       |       |
|           | 20        | 25.36                       | 25.12      | 25.35      | 25.32     | 25.26      | 24.91     | 23.60     | 23.24    |       |       |       |       |

|           |      |       |       |       |       |       |       |       |       |      |     |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| 所定層       | 30   | 2522  | 2510  | 2535  | 2532  | 2525  | 2492  | 2361  | 2324  |      |     |
| 温 (°C)    | 50   | 2416  | 2441  | 2424  | 2426  | 2399  | 2347  | 2327  |       |      |     |
|           | 75   | 2338  | 2329  | 2398  | 2289  | 2269  | 2259  |       |       |      |     |
|           | 100  | 2231  | 2250  | 2207  | 2225  | 2198  | 2154  |       |       |      |     |
|           | 150  | 2102  | 2123  | 2116  | 2102  | 2080  | 2064  |       |       |      |     |
|           | 200  | 2062  | 2006  | 2003  | 2012  | 2007  | 1988  |       |       |      |     |
|           | 300  |       |       |       |       |       |       |       |       |      |     |
|           | 400  |       |       |       |       |       |       |       |       |      |     |
|           | 500  |       |       |       |       |       |       |       |       |      |     |
|           | 600  |       |       |       |       |       |       |       |       |      |     |
| 塩分        | 0    | 34379 | 34447 | 34388 | 34388 | 34408 | 34420 | 34184 | 33557 |      |     |
|           | 10   | .379  | .402  | .411  | .332  | .334  | .334  | .064  | 33723 |      |     |
|           | 20   | .379  | .348  | .379  | .345  | .378  | .378  | .260  | 34151 |      |     |
|           | 30   | .366  | .393  | .379  | .394  | .438  | .483  | .552  | .567  |      |     |
|           | 50   | .673  | .489  | .521  | .677  | .677  | .704  | .590  |       |      |     |
|           | 75   | .763  | .641  | .759  | .760  | .753  | .690  |       |       |      |     |
|           | 100  | .763  | .792  | .780  | .771  | .722  | .732  |       |       |      |     |
|           | 150  | .792  | .736  | .832  | .814  | .831  | .772  |       |       |      |     |
|           | 200  | .772  | .847  | .838  | .727  | .832  | .801  |       |       |      |     |
|           | 300  |       |       |       |       |       |       |       |       |      |     |
|           | 400  |       |       |       |       |       |       |       |       |      |     |
|           | 500  |       |       |       |       |       |       |       |       |      |     |
|           | 600  |       |       |       |       |       |       |       |       |      |     |
| ネット種類     | (子)  | (母)   | (子)   | (母)   | (子)   | (母)   | (子)   | (母)   | (子)   | (母)  | (子) |
| 採集水層      | 0    | 0-50  | 0     | 0-50  | 0     | 0-50  | 0     | 0-50  | 0     | 0-30 |     |
| 現網時間(分)   | 5    | 1     | 5     | 1     | 5     | 1     | 5     | 1     | 5     | 0.5  |     |
| 海深 (m)    | 465  |       |       |       |       |       | 540   | 58    | 36    |      |     |
| 水色・透明度(m) | 2・31 | 2・31  | 2・31  | 2・30  | 2・26  | 2・29  | 2・28  | 3・10  | 4・9   |      |     |
| 流向・流速     | —    | —     | —     | —     | —     | —     | —     | —     | —     |      |     |
| 波浪・ウネリ    | 1・1  | 1・1   | 1・1   | 1・1   | 3・3   | 3・3   | 3・3   | 3・3   | 3・3   |      |     |
| 風向・風力     | W 2  | NW 2  | NW 2  | NW 2  | W 3   | W 3   | W 3   | WNW 3 | WNW 3 |      |     |
| 気温        | 256  | 250   | 258   | 274   | 262   | 262   | 259   | 260   | 273   |      |     |
| 雲形・雲量     | 10   | 10    | 10    | 10    | 10    | 7     | 6     | 7     | 6     |      |     |
| 天気        | O    | O     | O     | O     | O     | bc    | bc    | bc    | bc    |      |     |
| 気圧 (mb)   | —    | —     | —     | —     | —     | —     | —     | —     | —     |      |     |

|                 |        |     |     |   |        |      |         |
|-----------------|--------|-----|-----|---|--------|------|---------|
| 船名 (トシ数、馬力)     | 調査員    | 観測表 | 塩友利 | 検 | プランクトン | 船長   | サリノメーター |
| くろしお(21.44 100) | 川崎・喜屋武 | 喜屋武 | 友利  |   |        | 比嘉幸一 |         |



|   |             |                  |        |       |       |       |       |       |        |       |       |         |
|---|-------------|------------------|--------|-------|-------|-------|-------|-------|--------|-------|-------|---------|
| 所 | 30          | 2498             | 2473   | 2478  | 2502  | 2462  | 2492  | 2458  | 2507   | 2364  | 2463  |         |
| 温 | 50          | 2203             | 2290   | 2328  | 2350  | 2349  | 2367  | 2413  | 2426   | 2277  |       |         |
|   | 75          | 2171             | 2221   | 2251  | 2258  | 2241  | 2283  | 2245  | 2270   |       |       |         |
|   | 100         | 2140             | 2150   | 2188  | 2201  | 2200  | 2220  | 2181  | 2158   |       |       |         |
|   | 150         | 2114             | 2130   | 2073  | 2020  | 2054  | 2055  | 2158  | 2048   |       |       |         |
|   | 200         | 2016             | 2035   | 1927  | 1895  | 1856  | 1931  | 1954  |        |       |       |         |
|   | 300         |                  |        |       |       |       |       |       |        |       |       |         |
|   | 400         |                  |        |       |       |       |       |       |        |       |       |         |
|   | 500         |                  |        |       |       |       |       |       |        |       |       |         |
|   | 600         |                  |        |       |       |       |       |       |        |       |       |         |
| 定 | 0           | 34366            | 34384  | 34444 | 34384 | 34426 | 34370 | 34408 | 34429  | 34234 | 34079 |         |
|   | 10          | 333              | 361    | 429   | 375   | 402   | 402   | 379   | 402    | 223   | 079   |         |
|   | 20          | 288              | 315    | 402   | 384   | 388   | 417   | 408   | 420    | 279   | 088   |         |
|   | 30          | 399              | 315    | 489   | 399   | 530   | 388   | 536   | 489    | 525   | 073   |         |
|   | 50          | 727              | 668    | 760   | 691   | 718   | 635   | 563   | 644    | 682   |       |         |
|   | 75          | 787              | 757    | 811   | 740   | 755   | 718   | 796   | 771    |       |       |         |
|   | 100         | 795              | 785    | 830   | 792   | 804   | 790   | 805   | 783    |       |       |         |
|   | 150         | 801              | 758    | 810   | 820   | 823   | 820   | 827   | 813    |       |       |         |
|   | 200         | 810              | 769    | 827   | 797   | 801   | 801   | 772   |        |       |       |         |
|   | 300         |                  |        |       |       |       |       |       |        |       |       |         |
|   | 400         |                  |        |       |       |       |       |       |        |       |       |         |
|   | 500         |                  |        |       |       |       |       |       |        |       |       |         |
|   | 600         |                  |        |       |       |       |       |       |        |       |       |         |
| 樹 | ネット種類       | ⑤                | ⑤      | ⑤     | ⑤     | ⑤     | ⑤     | ⑤     | ⑤      | ⑤     | ⑤     |         |
|   | 採集水層        | 0                | 0-50   | 0     | 0-50  | 0     | 0-50  | 0     | 0-50   | 0     | 0-50  | 0       |
|   | 曳網時間分       | 5                | 1      | 5     | 1     | 5     | 1     | 5     | 1      | 5     | 1     | 5       |
|   | 海深 (m)      | 380              |        |       |       |       |       |       |        | 58    | 40    |         |
|   | 水色・透明度 (m)  | 2                | 2      | 2     | 2     | 2     | 2     | 2     | 2      | 2     | 2     | 2       |
|   | 流向・流速       |                  |        |       |       |       |       |       |        |       |       |         |
|   | 波浪・ウネリ      | 2                | 2      | 3     | 3     | 3     | 3     | 4     | 4      | 4     | 4     | 3       |
|   | 風向・風力       | E                | ESE    | ENE   | ENE   | SE    | SE    | SE    | SE     | SE    | SE    | SSE     |
|   | 気温          | 242              | 241    | 253   | 250   | 276   | 270   | 270   | 267    | 269   | 264   |         |
|   | 雲形・雲量       | 7                | 6      | 7     | 8     | 8     | 10    | 10    | 10     | 10    | 10    |         |
|   | 天気          | bc               | bc     | bc    | bc    | bc    | 0     | 0     | 0      | 0     | 0     |         |
|   | 気圧 (mb)     |                  |        |       |       |       |       |       |        |       |       |         |
|   | 船名 (トン数、馬力) | くろしお (144 100PS) | 川崎・喜屋武 | 調査員   | 観測表   | 喜屋武   | 塩友利   | 検     | プランクトン | 船     | 長     | サリノメーター |
|   |             |                  |        |       |       |       |       |       |        |       | 比嘉幸一  |         |

| 海域・年月   |                   | 神繩南部海域沿岸定線 昭和50年6月 |            |            |           |            |            |            |            |            |       |       |       |
|---------|-------------------|--------------------|------------|------------|-----------|------------|------------|------------|------------|------------|-------|-------|-------|
| St. No. | 1                 | 2                  | 3          | 4          | 5         | 6          | 7          | 8          | 9          | 10         | 11    | 12    |       |
| 観測地点    | Lat N 26°-04'     | 25°-58'            | 25°-54'    | 25°-49.5'  | 25°-56'   | 26°-02.5'  | 26°-06.5'  | 26°-09.5'  | 26°-12.9'  | 26°-12.9'  |       |       |       |
|         | Long E 127°-39.5' | 127°-43.0'         | 127°-46.0' | 127°-49.0' | 127°-59'  | 128°-09.0' | 128°-05.0' | 128°-01.0' | 127°-57.2' | 127°-52.3' |       |       |       |
| 観測日時    | 日 6-17            | 6-17               | 6-17       | 6-17       | 6-18      | 6-18       | 6-18       | 6-18       | 6-18       | 6-17       |       |       |       |
|         | 時分 1130-1215      | 1245-1315          | 1400-1440  | 1527-1600  | 1105-1150 | 0910-0940  | 0750-0830  | 0850-0720  | 0540-0610  | 1845-1910  |       |       |       |
| 実測      | 水深                | 270                | 27.1       | 27.4       | 26.9      | 26.4       | 26.1       | 25.8       | 26.0       | 26.2       |       |       |       |
|         | 水温                | 26.22              | 26.44      | 26.68      | 26.17     | 26.02      | 25.87      | 25.66      | 25.49      | 25.47      |       |       |       |
|         | 塩分                | 25.86              | 26.20      | 26.23      | 25.75     | 26.15      | 25.41      | 25.28      | 25.13      | 25.14      |       |       |       |
|         | 分量                | 25.58              | 25.63      | 25.49      | 25.59     | 26.19      | 25.55      | 25.11      | 24.95      | 24.92      |       |       |       |
|         | 質量                | 25.27              | 25.60      | 25.41      | 25.27     | 25.22      | 25.09      | 24.91      | 24.64      | 24.31      |       |       |       |
|         | t                 | 75                 | 81         | 23.52      | 79        | 24.20      | 80         | 24.21      | 81         | 24.50      | 24.98 | 82    | 23.57 |
|         | °C                | 100                | 105        | 23.80      | 103       | 23.47      | 105        | 23.40      | 106        | 23.54      | 23.16 | 107   | 22.94 |
|         |                   | 150                | 153        | 21.67      | 152       | 21.78      | 153        | 22.07      | 155        | 22.15      | 21.74 | 156   | 20.86 |
|         |                   | 200                | 193        | 21.13      | 200       | 20.70      | 201        | 20.50      | 204        | 20.49      | 20.69 | 206   | 20.23 |
|         |                   | 300                |            |            |           |            |            |            |            |            |       |       |       |
|         |                   | 400                |            |            |           |            |            |            |            |            |       |       |       |
|         |                   | 500                |            |            |           |            |            |            |            |            |       |       |       |
|         | 600               |                    |            |            |           |            |            |            |            |            |       |       |       |
| 解       | 0                 | 34175              | 34261      | 34310      | 34243     | 34315      | 33938      | 33974      | 34023      | 33705      | 33736 |       |       |
|         | 10                | .279               | .310       | .310       | .292      | .142       | .947       | .956       | .023       | .923       | .761  |       |       |
|         | 20                | .160               | .274       | .256       | .292      | .160       | 34348      | 34156      | .151       | 34097      | .941  |       |       |
|         | 30                | .321               | .283       | .187       | .238      | .119       | .361       | .270       | .187       | .333       | 34229 |       |       |
|         | 50                | .471               | .447       | .187       | .265      | .288       | .722       | .402       | .507       | .503       |       |       |       |
|         | 75                | .745               | .447       | .677       | .585      | .832       | .852       | .832       | .613       |            |       |       |       |
|         | 100               | .745               | .801       | .682       | .796      | .861       | .948       | .832       | .742       |            |       |       |       |
|         | 150               | .856               | .924       | .847       | .874      | .838       | .897       | .930       | .883       |            |       |       |       |
|         | 200               | .847               | .861       | .930       | .903      | .897       | .930       | .912       | .924       |            |       |       |       |
|         | 300               |                    |            |            |           |            |            |            |            |            |       |       |       |
|         | 400               |                    |            |            |           |            |            |            |            |            |       |       |       |
|         | 500               |                    |            |            |           |            |            |            |            |            |       |       |       |
| 600     |                   |                    |            |            |           |            |            |            |            |            |       |       |       |
| 水       | 0                 | 266                | 270        | 271        | 274       | 269        | 264        | 261        | 258        | 260        | 262   |       |       |
|         | 10                | 2594               | 2622       | 2644       | 2668      | 2617       | 2602       | 2587       | 2566       | 2549       | 2547  |       |       |
|         | 20                | 2564               | 2586       | 2620       | 2623      | 2575       | 2615       | 2541       | 2528       | 2513       | 2514  |       |       |
|         | 30                | 2558               | 2563       | 2549       | 2601      | 2559       | 2619       | 2555       | 2511       | 2495       | 2492  |       |       |
|         | 50                | 2527               | 2560       | 2541       | 2527      | 2522       | 2509       | 2491       | 2464       | 2431       |       |       |       |
|         | 75                | 81                 | 23.52      | 79         | 24.20     | 80         | 24.21      | 81         | 24.50      | 24.98      | 82    | 23.57 |       |
|         | 100               | 105                | 23.80      | 103        | 23.47     | 105        | 23.40      | 106        | 23.54      | 23.16      | 107   | 22.94 |       |
|         | 150               | 153                | 21.67      | 152        | 21.78     | 153        | 22.07      | 155        | 22.15      | 21.74      | 156   | 20.86 |       |
|         | 200               | 193                | 21.13      | 200        | 20.70     | 201        | 20.50      | 204        | 20.49      | 20.69      | 206   | 20.23 |       |
|         | 300               |                    |            |            |           |            |            |            |            |            |       |       |       |
|         | 400               |                    |            |            |           |            |            |            |            |            |       |       |       |
|         | 500               |                    |            |            |           |            |            |            |            |            |       |       |       |
|         | 600               |                    |            |            |           |            |            |            |            |            |       |       |       |

| 所定        | 30   | 25.58  | 25.63  | 25.49  | 26.01  | 25.59  | 26.19  | 25.55  | 25.11  | 24.95  | 24.92  |
|-----------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 温度 (°C)   | 50   | 25.27  | 25.60  | 25.41  | 25.27  | 25.22  | 25.09  | 24.91  | 24.64  | 24.31  |        |
|           | 75   | 23.72  | 24.32  | 24.42  | 24.67  | 24.98  | 23.80  | 23.89  | 23.82  |        |        |
|           | 100  | 22.90  | 23.60  | 23.53  | 23.71  | 23.16  | 23.16  | 23.03  | 23.47  |        |        |
|           | 150  | 21.70  | 21.83  | 22.18  | 22.28  | 21.74  | 20.95  | 21.20  | 22.11  |        |        |
|           | 200  |        | 20.70  | 20.51  | 20.65  | 20.69  | 20.28  | 20.31  | 20.91  |        |        |
|           | 300  |        |        |        |        |        |        |        |        |        |        |
|           | 400  |        |        |        |        |        |        |        |        |        |        |
|           | 500  |        |        |        |        |        |        |        |        |        |        |
|           | 600  |        |        |        |        |        |        |        |        |        |        |
| 塩分        | 0    | 34.175 | 34.261 | 34.310 | 34.243 | 34.315 | 33.938 | 33.974 | 34.023 | 33.705 | 33.736 |
|           | 10   | .279   | .310   | .310   | .292   | .142   | .947   | .956   | .023   | .923   | .761   |
|           | 20   | .160   | .274   | .256   | .292   | .160   | 34.348 | 34.156 | .151   | 34.097 | .941   |
|           | 30   | .321   | .283   | .187   | .238   | .119   | .361   | .270   | .187   | .333   | 34.229 |
|           | 50   | .471   | .447   | .187   | .265   | .288   | .722   | .402   | .507   | .503   |        |
|           | 75   | .743   | .447   | .668   | .502   | .832   | .834   | .832   | .613   |        |        |
|           | 100  | .745   | .794   | .680   | .780   | .861   | .918   | .832   | .742   |        |        |
|           | 150  | .852   | .920   | .841   | .870   | .838   | .908   | .930   | .883   |        |        |
|           | 200  | .861   | .929   | .929   | .901   | .897   | .926   | .912   | .924   |        |        |
|           | 300  |        |        |        |        |        |        |        |        |        |        |
|           | 400  |        |        |        |        |        |        |        |        |        |        |
|           | 500  |        |        |        |        |        |        |        |        |        |        |
|           | 600  |        |        |        |        |        |        |        |        |        |        |
| ネット種類     |      |        |        |        |        |        |        |        |        |        |        |
| 採集水層      | 0    | 0-50   |        |        |        | 0      | 0-50   |        |        | 0      | 0-30   |
| 曳網時間(分)   | 5    | 1      |        |        |        | 5      | 1      |        |        | 5      | 5      |
| 海深 (m)    | 350  | 1,000  | 1,500  |        |        |        |        |        | 560    | 58     | 37     |
| 水色・透明度(m) | 2    | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      |
| 流向・流速     |      |        |        |        |        |        |        |        |        |        |        |
| 波浪・ウネリ    | 3    | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3      |
| 風向・風力     | S    | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      |
| 気温        | 27.5 | 28.2   | 28.9   | 28.8   | 27.2   | 27.5   | 27.5   | 27.0   | 26.8   | 26.2   | 27.2   |
| 雲形・雲量     | 6    | 6      |        |        |        |        |        |        |        |        |        |
| 天気        | bc   | bc     | bc     | bc     | bc     | bc     | bc     | bc     | bc     | bc     | bc     |
| 気圧 (mb)   |      |        |        |        |        |        |        |        |        |        |        |

| 船名 (トン数、馬力)      | 調査員 | 観測表 | 塩友利 | プランクトン | 船長   | サリノメーター |
|------------------|-----|-----|-----|--------|------|---------|
| くろしお (21.44 100) | 友利  | 友利  | 塩友利 | プランクトン | 比嘉幸一 |         |

第13表

海洋観測表

(沖縄県)

| 海域・年月  |           | 金武湾沿岸定線 昭和50年7月 |           |            |            |           |            |           |           |   |    |    |    |
|--------|-----------|-----------------|-----------|------------|------------|-----------|------------|-----------|-----------|---|----|----|----|
| 観測地点   | St. No.   | 1               | 2         | 3          | 4          | 5         | 6          | 7         | 8         | 9 | 10 | 11 | 12 |
| 観測日時   | 時分        | 0910-0945       | 1020-1040 | 1123-1155  | 1310-1330  | 1415-1500 | 1535-1600  | 1640-1700 | 1740-1800 |   |    |    |    |
| Lat N  | 26°-13'   | 26°-13'         | 26°-13'   | 26°-10'    | 26°-21.5'  | 26°-23'   | 26°-24'    | 26°-25.5' | 26°-24'   |   |    |    |    |
| Long E | 128°-05'  | 128°-10'        | 128°-10'  | 128°-15.5' | 128°-16.5' | 128°-11'  | 128°-06.5' | 128°-02'  | 127°-55'  |   |    |    |    |
| 日      | 7-23      | 7-23            | 7-23      | 7-23       | 7-23       | 7-23      | 7-23       | 7-23      | 7-23      |   |    |    |    |
| 時分     | 0910-0945 | 1020-1040       | 1123-1155 | 1310-1330  | 1415-1500  | 1535-1600 | 1640-1700  | 1740-1800 |           |   |    |    |    |
| 水深     | 0         | 29.4            | 29.6      | 29.9       | 300        | 300       | 30.0       | 30.1      | 30.2      |   |    |    |    |
| 水温     | 10        | 29.33           | 29.28     | 29.35      | 29.23      | 29.46     | 29.55      | 29.42     | 29.21     |   |    |    |    |
|        | 20        | 29.19           | 28.53     | 29.36      | 28.69      | 29.27     | 29.31      | 28.83     | 28.02     |   |    |    |    |
|        | 30        | 28.35           | 28.25     | 28.20      | 28.21      | 29.33     | 28.50      | 28.47     |           |   |    |    |    |
|        | 50        | 26.36           | 26.57     | 26.42      | 26.43      | 26.31     | 26.81      | 26.96     |           |   |    |    |    |
|        | 75        | 24.77           | 24.54     | 24.55      | 24.13      | 78.24.55  | 78.25.02   |           |           |   |    |    |    |
|        | 100       | 23.66           | 23.39     | 23.55      | 22.80      | 103.23.43 | 103.24.02  |           |           |   |    |    |    |
|        | 150       | 21.78           | 21.82     | 21.86      | —          | 153.22.01 | 152.22.14  |           |           |   |    |    |    |
|        | 200       | 20.71           | 20.27     | 20.39      | 20.37      | 20.2      | 20.64      | 20.1      | 20.86     |   |    |    |    |
|        | 300       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 400       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 500       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 600       |                 |           |            |            |           |            |           |           |   |    |    |    |
| 塩分     | 0         | 34.379          | 34.223    | 34.274     | 34.321     | 34.234    | 34.147     | 34.046    | 33.960    |   |    |    |    |
|        | 10        | .283            | .223      | .119       | .252       | .070      | .196       | .106      | .34073    |   |    |    |    |
|        | 20        | .283            | .169      | .151       | .252       | 1.42      | .234       | .234      | .33983    |   |    |    |    |
|        | 30        | .315            | .256      | .079       | .256       | .169      | .256       | .261      |           |   |    |    |    |
|        | 50        | .435            | .447      | .348       | .563       | .608      | .426       | .321      |           |   |    |    |    |
|        | 75        | .745            | .691      | .760       | .819       | .772      | .673       |           |           |   |    |    |    |
|        | 100       | .700            | .769      | .819       | .856       | .883      | .763       |           |           |   |    |    |    |
|        | 150       | .903            | .852      | .847       | —          | .856      | .870       |           |           |   |    |    |    |
|        | 200       | .924            | .903      | .939       | .897       | .883      | .879       |           |           |   |    |    |    |
|        | 300       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 400       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 500       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 600       |                 |           |            |            |           |            |           |           |   |    |    |    |
| 水      | 0         | 29.4            | 29.6      | 29.9       | 300        | 300       | 300        | 301       | 302       |   |    |    |    |
|        | 10        | 29.33           | 29.28     | 29.35      | 29.23      | 29.46     | 29.55      | 29.42     | 29.21     |   |    |    |    |
|        | 20        | 29.19           | 28.53     | 29.36      | 28.69      | 29.27     | 29.31      | 28.83     | 28.02     |   |    |    |    |
|        | 30        | 28.35           | 28.25     | 28.20      | 28.21      | 29.33     | 28.50      | 28.47     |           |   |    |    |    |
|        | 50        | 26.36           | 26.57     | 26.42      | 26.43      | 26.31     | 26.81      | 26.96     |           |   |    |    |    |
|        | 75        | 24.77           | 24.54     | 24.55      | 24.13      | 78.24.55  | 78.25.02   |           |           |   |    |    |    |
|        | 100       | 23.66           | 23.39     | 23.55      | 22.80      | 103.23.43 | 103.24.02  |           |           |   |    |    |    |
|        | 150       | 21.78           | 21.82     | 21.86      | —          | 153.22.01 | 152.22.14  |           |           |   |    |    |    |
|        | 200       | 20.71           | 20.27     | 20.39      | 20.37      | 20.2      | 20.64      | 20.1      | 20.86     |   |    |    |    |
|        | 300       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 400       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 500       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 600       |                 |           |            |            |           |            |           |           |   |    |    |    |
| 水      | 0         | 29.4            | 29.6      | 29.9       | 300        | 300       | 300        | 301       | 302       |   |    |    |    |
|        | 10        | 29.33           | 29.28     | 29.35      | 29.23      | 29.46     | 29.55      | 29.42     | 29.21     |   |    |    |    |
|        | 20        | 29.19           | 28.53     | 29.36      | 28.69      | 29.27     | 29.31      | 28.83     | 28.02     |   |    |    |    |
|        | 30        | 28.35           | 28.25     | 28.20      | 28.21      | 29.33     | 28.50      | 28.47     |           |   |    |    |    |
|        | 50        | 26.36           | 26.57     | 26.42      | 26.43      | 26.31     | 26.81      | 26.96     |           |   |    |    |    |
|        | 75        | 24.77           | 24.54     | 24.55      | 24.13      | 78.24.55  | 78.25.02   |           |           |   |    |    |    |
|        | 100       | 23.66           | 23.39     | 23.55      | 22.80      | 103.23.43 | 103.24.02  |           |           |   |    |    |    |
|        | 150       | 21.78           | 21.82     | 21.86      | —          | 153.22.01 | 152.22.14  |           |           |   |    |    |    |
|        | 200       | 20.71           | 20.27     | 20.39      | 20.37      | 20.2      | 20.64      | 20.1      | 20.86     |   |    |    |    |
|        | 300       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 400       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 500       |                 |           |            |            |           |            |           |           |   |    |    |    |
|        | 600       |                 |           |            |            |           |            |           |           |   |    |    |    |





第1.4表

海洋観測表

(沖縄県)

| 海域・年月  |           | 沖縄南部海域沿岸定線 昭和50年7月 |           |           |           |           |           |           |           |           |           |    |    |
|--------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----|----|
| 観測地点   | St. No.   | 1                  | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11 | 12 |
| Lat N  | 26°04'    | 25°58'             | 25°54'    | 25°49.5'  | 25°56'    | 26°02.5'  | 26°06.5'  | 26°09.5'  | 26°09.5'  | 26°12.9'  | 26°12.9'  |    |    |
| Long E | 127°39.5' | 127°43'            | 127°46'   | 127°49.0' | 127°59'   | 128°09'   | 128°05'   | 128°01'   | 127°57.2' | 127°52.3' | 127°52.3' |    |    |
| 観測日時   | 7-22      | 7-22               | 7-22      | 7-22      | 7-22      | 7-23      | 7-23      | 7-23      | 7-24      | 7-24      | 7-24      |    |    |
| 時分     | 1038-1115 | 1155-1220          | 1250-1325 | 1410-1445 | 1610-1640 | 0630-0707 | 0745-0810 | 0830-0830 | 0750-0810 | 0930-0945 | 0930-0945 |    |    |
| 実測     | 0         | 292                | 300       | 299       | 290       | 295       | 290       | 294       | 292       | 294       | 294       |    |    |
|        | 10        | 2933               | 2941      | 2942      | 2938      | 2941      | 2958      | 2915      | 2917      | 2940      | 2883      |    |    |
|        | 20        | 2911               | 2920      | 2910      | 2928      | 2879      | 2859      | 2869      | 2911      | 2926      | 2801      |    |    |
|        | 30        | 2853               | 2885      | 2856      | 2842      | 2770      | 2729      | 2776      | 2838      | 2853      |           |    |    |
|        | 50        | 2716               | 2726      | 2596      | 2612      | 2569      | 2577      | 2555      | 2629      |           |           |    |    |
|        | 75        | 2504               | 2580      | 2505      | 2490      | 2458      | 77:24.81  | 24.22     | 24.82     |           |           |    |    |
|        | 100       | 2448               | 2436      | 2381      | 2396      | 2383      | 102:23.66 | 23.15     | 23.87     |           |           |    |    |
|        | 150       | 2280               | 2263      | 2180      | 2221      | 2204      | 151:21.70 | 21.51     | 21.90     |           |           |    |    |
|        | 200       | 2008               | 2115      | 2079      | 2094      | 2057      | 201:20.51 | 20.19     | 20.67     |           |           |    |    |
|        | 300       | -                  | -         | -         | -         | -         | -         | -         | -         |           |           |    |    |
|        | 400       | -                  | -         | -         | -         | -         | -         | -         | -         |           |           |    |    |
|        | 500       | -                  | -         | -         | -         | -         | -         | -         | -         |           |           |    |    |
| 600    | -         | -                  | -         | -         | -         | -         | -         | -         |           |           |           |    |    |
| 層測     | 0         | 34169              | 33737     | 34151     | 34147     | 34070     | 34079     | 34223     | 34330     | 34297     | 34160     |    |    |
|        | 10        | 151                | 34082     | -091      | 151       | 124       | 014       | 014       | 187       | 288       | 234       |    |    |
|        | 20        | 119                | 097       | 037       | 151       | 052       | 014       | 014       | 234       | 274       | 261       |    |    |
|        | 30        | 169                | 070       | 043       | 124       | 301       | 292       | 292       | 187       | 324       | 184       |    |    |
|        | 50        | 348                | 512       | 659       | 498       | 498       | 581       | 581       | 539       | 435       |           |    |    |
|        | 75        | 635                | 644       | 733       | 623       | 653       | 644       | 644       | 733       | 718       |           |    |    |
|        | 100       | 635                | 664       | 745       | 760       | 783       | 780       | 780       | 823       | 810       |           |    |    |
|        | 150       | 832                | 870       | 903       | 883       | 847       | 847       | 847       | 933       | 912       |           |    |    |
|        | 200       | 819                | 838       | 792       | 828       | 915       | 939       | 939       | 912       | 894       |           |    |    |
|        | 300       | -                  | -         | -         | -         | -         | -         | -         | -         | -         |           |    |    |
|        | 400       | -                  | -         | -         | -         | -         | -         | -         | -         | -         |           |    |    |
|        | 500       | -                  | -         | -         | -         | -         | -         | -         | -         | -         |           |    |    |
| 600    | -         | -                  | -         | -         | -         | -         | -         | -         | -         |           |           |    |    |
| 水      | 0         | 292                | 300       | 299       | 290       | 295       | 290       | 294       | 292       | 294       | 294       |    |    |
|        | 10        | 2933               | 2941      | 2942      | 2938      | 2941      | 2958      | 2915      | 2917      | 2940      | 2883      |    |    |
|        | 20        | 2911               | 2920      | 2910      | 2928      | 2879      | 2859      | 2869      | 2911      | 2926      | 2801      |    |    |

| 所定層        | 30        | 2853  | 2885   | 2856  | 2842  | 2770  | 2729  | 2776   | 2838   | 2853  |          |   |
|------------|-----------|-------|--------|-------|-------|-------|-------|--------|--------|-------|----------|---|
| 温 (°C)     | 50        | 2716  | 2726   | 2596  | 2612  | 2569  | 2577  | 2555   | 2629   |       |          |   |
|            | 75        | 2504  | 2580   | 2505  | 2490  | 2458  | 2485  | 2422   | 2482   |       |          |   |
|            | 100       | 2448  | 2436   | 2381  | 2396  | 2383  | 2368  | 2315   | 2387   |       |          |   |
|            | 150       | 2280  | 2263   | 2180  | 2221  | 2204  | 2171  | 2151   | 2190   |       |          |   |
|            | 200       | 2008  | 2115   | 2079  | 2094  | 2057  | 2052  | 2019   | 2067   |       |          |   |
|            | 300       |       |        |       |       |       |       |        |        |       |          |   |
|            | 400       |       |        |       |       |       |       |        |        |       |          |   |
|            | 500       |       |        |       |       |       |       |        |        |       |          |   |
|            | 600       |       |        |       |       |       |       |        |        |       |          |   |
|            | 0         | 34169 | 33737  | 34151 | 34147 | 34070 | 34079 | 34223  | 34330  | 34297 | 34160    |   |
| 塩分         | 10        | .151  | 34082  | -.091 | .151  | .124  | .014  | .187   | .288   | .193  | .234     |   |
|            | 20        | .119  | .097   | .037  | .151  | .052  | .014  | .234   | .274   | .261  | .234     |   |
|            | 30        | .169  | .070   | .043  | .124  | .301  | .292  | .187   | .324   | .184  |          |   |
|            | 50        | 348   | .512   | .659  | .498  | .498  | .581  | .539   | .435   |       |          |   |
|            | 75        | 635   | .644   | .733  | .623  | .653  | .642  | .733   | .718   |       |          |   |
|            | 100       | .635  | .664   | .745  | .760  | .783  | .778  | .823   | .810   |       |          |   |
|            | 150       | .832  | .870   | .903  | .883  | .847  | .846  | .933   | .912   |       |          |   |
|            | 200       | .819  | .838   | .792  | .828  | .915  | .938  | .912   | .894   |       |          |   |
|            | 300       |       |        |       |       |       |       |        |        |       |          |   |
|            | 400       |       |        |       |       |       |       |        |        |       |          |   |
|            | 500       |       |        |       |       |       |       |        |        |       |          |   |
|            | 600       |       |        |       |       |       |       |        |        |       |          |   |
| ネット種類      | ⑤         |       |        | ⑤     |       | ⑤     |       | ⑤      |        | ⑤     | ⑤        |   |
| 採集水層       | 0         | 0-50  |        | 0-50  |       | 0-50  |       | 0-50   |        | 0-40  | 0-25     |   |
| 曳網時間(分)    | 5         | 2     |        | 5     | 2     | 5     | 1     | 5      | 1      | 5     | 0.5      |   |
| 海深 (m)     |           |       |        |       |       |       |       |        |        | 52    | 32       |   |
| 水色・透明度(m)  | 3         | 29    | 2      | 29    | 2     | 29    | 2     | 29     | 2      | 31    | 28       |   |
| 流向・流速      |           |       |        |       |       |       |       |        |        |       |          |   |
| 波浪・ウネリ     |           |       |        |       |       |       |       |        |        |       |          |   |
| 風向・風力      | NE        | 2     | SE     | 3     | SE    | 3     | S     | 2      | SSW    | 2     | SW       | 2 |
| 気温         | 27.0      | 28.3  | 28.7   | 28.9  | 30.2  | 30.2  | 30.2  | 29.0   | 31.2   | 29.0  | 29.1     |   |
| 雲形・雲量      | 7         | 4     | 3      | 4     | 4     | 4     | 4     | 4      | 3      | 5     | 3        |   |
| 天気         | bc        | bc    | bc     | bc    | bc    | bc    | bc    | bc     | bc     | bc    | bc       |   |
| 気圧 (mb)    |           |       |        |       |       |       |       |        |        |       |          |   |
| 船名(トン数、馬力) | くらしお(2144 | 100)  | 喜屋武・川崎 | 喜屋武   | 喜屋武   | 塩友利   | 塩友利   | プランクトン | プランクトン | 船比嘉幸一 | 長サリノメーター |   |

(沖繩県)

第15表 海洋観測表

| 海域・年月   |            | 沖繩南部海域沿岸定線 昭和50年8月 |           |           |           |           |           |           |           |           |          |           |          |
|---------|------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|----------|
| 観測地点    | St No      | 1                  | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10       | 11        | 12       |
| 緯度      | 経度         | 緯度                 | 経度        | 緯度        | 経度        | 緯度        | 経度        | 緯度        | 経度        | 緯度        | 経度       | 緯度        | 経度       |
| 26°04'  | 127°39.5'  | 25°58'             | 127°43'   | 25°54'    | 127°46'   | 25°49.5'  | 127°49'   | 25°56'    | 127°59'   | 26°02.5'  | 128°09'  | 26°06.5'  | 128°01'  |
| 26°-04' | 127°-39.5' | 25°-58'            | 127°-43'  | 25°-54'   | 127°-46'  | 25°-49.5' | 127°-49'  | 25°-56'   | 127°-59'  | 26°-02.5' | 128°-09' | 26°-06.5' | 128°-01' |
| 日       | 8-26       | 8-26               | 8-26      | 8-26      | 8-26      | 8-26      | 8-26      | 8-26      | 8-26      | 8-27      | 8-27     | 8-27      | 8-27     |
| 時分      | 1140-1230  | 1310-1345          | 1430-1510 | 1600-1630 | 1755-1830 | 1950-2020 | 1020-1100 | 1145-1205 | 1255-1320 | 1338-1350 |          |           |          |
| 深度      | 28.5       | 28.9               | 28.9      | 28.8      | 28.8      | 28.8      | 28.5      | 28.8      | 28.9      | 29.6      | 28.8     |           |          |
| 0       | 28.5       | 28.9               | 28.9      | 28.8      | 28.8      | 28.8      | 28.5      | 28.8      | 28.9      | 29.6      | 28.8     |           |          |
| 10      | 28.31      | 28.25              | 28.16     | 28.42     | 28.54     | 28.54     | 28.46     | 28.17     | 28.26     | 28.59     | 28.51    |           |          |
| 20      | 28.23      | 28.15              | 28.15     | 28.24     | 28.31     | 28.31     | 28.26     | 28.23     | 28.26     | 28.24     | 28.32    |           |          |
| 30      | 28.22      | 28.13              | 28.10     | 28.20     | 28.22     | 28.22     | 28.22     | 28.20     | 28.22     | 28.20     | 28.23    |           |          |
| 50      | 28.16      | 28.06              | 28.09     | 28.03     | 28.03     | 28.03     | 28.01     | 27.71     | 27.67     | 27.56     |          |           |          |
| 75      | 27.92      | 80:27.30           | 78        | 80        | 27.31     | 76:28.01  | 26.59     | 28.83     | 26.48     |           |          |           |          |
| 100     | 99         | 25.49              | 105:25.19 | 102       | 24.87     | 104       | 24.86     | 101:24.33 | 24.70     | 25.19     | 25.08    |           |          |
| 150     | 146        | 22.37              | 154:22.93 | 150       | 22.69     | 152       | 22.37     | 150:22.52 | 22.27     | 22.81     | 22.48    |           |          |
| 200     | 194        | -                  | 202:20.98 | 199       | 21.07     | 200       | 20.78     | 200:21.10 | 21.04     | 20.76     | 21.17    |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 34.223     | 34.220             | 34.055    | 33.966    | 34.165    | 34.238    | 34.097    | 34.370    | 34.151    | 34.034    |          |           |          |
| 10      | .220       | .229               | 33.969    | 34.018    | .156      | .220      | .133      | .247      | .165      | .187      |          |           |          |
| 20      | .169       | .220               | 34.001    | 33.983    | .187      | .220      | .193      | .234      | .220      | .238      |          |           |          |
| 30      | .238       | .223               | .052      | 34.001    | .202      | .220      | .234      | .261      | .252      | .214      |          |           |          |
| 50      | .256       | .274               | .137      | .052      | .220      | .310      | .124      | .274      | .383      |           |          |           |          |
| 75      | .444       | .476               | .196      | .585      | .297      | .590      | .494      | .536      |           |           |          |           |          |
| 100     | .673       | .718               | .695      | .682      | .810      | .772      | .709      | .700      |           |           |          |           |          |
| 150     | .865       | .879               | .888      | .838      | .906      | .915      | .894      | .865      |           |           |          |           |          |
| 200     | .888       | .879               | .924      | .921      | .930      | .933      | .915      | .861      |           |           |          |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 28.5       | 28.9               | 28.9      | 28.8      | 28.8      | 28.8      | 28.5      | 28.8      | 28.9      | 29.6      | 28.8     |           |          |
| 10      | 28.31      | 28.25              | 28.16     | 28.42     | 28.54     | 28.54     | 28.46     | 28.17     | 28.26     | 28.59     | 28.51    |           |          |
| 20      | 28.23      | 28.15              | 28.15     | 28.24     | 28.31     | 28.31     | 28.26     | 28.23     | 28.26     | 28.24     | 28.32    |           |          |
| 30      | 28.22      | 28.13              | 28.10     | 28.20     | 28.22     | 28.22     | 28.22     | 28.20     | 28.22     | 28.20     | 28.23    |           |          |
| 50      | 28.16      | 28.06              | 28.09     | 28.03     | 28.03     | 28.03     | 28.01     | 27.71     | 27.67     | 27.56     |          |           |          |
| 75      | 27.92      | 80:27.30           | 78        | 80        | 27.31     | 76:28.01  | 26.59     | 28.83     | 26.48     |           |          |           |          |
| 100     | 99         | 25.49              | 105:25.19 | 102       | 24.87     | 104       | 24.86     | 101:24.33 | 24.70     | 25.19     | 25.08    |           |          |
| 150     | 146        | 22.37              | 154:22.93 | 150       | 22.69     | 152       | 22.37     | 150:22.52 | 22.27     | 22.81     | 22.48    |           |          |
| 200     | 194        | -                  | 202:20.98 | 199       | 21.07     | 200       | 20.78     | 200:21.10 | 21.04     | 20.76     | 21.17    |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 34.223     | 34.220             | 34.055    | 33.966    | 34.165    | 34.238    | 34.097    | 34.370    | 34.151    | 34.034    |          |           |          |
| 10      | .220       | .229               | 33.969    | 34.018    | .156      | .220      | .133      | .247      | .165      | .187      |          |           |          |
| 20      | .169       | .220               | 34.001    | 33.983    | .187      | .220      | .193      | .234      | .220      | .238      |          |           |          |
| 30      | .238       | .223               | .052      | 34.001    | .202      | .220      | .234      | .261      | .252      | .214      |          |           |          |
| 50      | .256       | .274               | .137      | .052      | .220      | .310      | .124      | .274      | .383      |           |          |           |          |
| 75      | .444       | .476               | .196      | .585      | .297      | .590      | .494      | .536      |           |           |          |           |          |
| 100     | .673       | .718               | .695      | .682      | .810      | .772      | .709      | .700      |           |           |          |           |          |
| 150     | .865       | .879               | .888      | .838      | .906      | .915      | .894      | .865      |           |           |          |           |          |
| 200     | .888       | .879               | .924      | .921      | .930      | .933      | .915      | .861      |           |           |          |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 28.5       | 28.9               | 28.9      | 28.8      | 28.8      | 28.8      | 28.5      | 28.8      | 28.9      | 29.6      | 28.8     |           |          |
| 10      | 28.31      | 28.25              | 28.16     | 28.42     | 28.54     | 28.54     | 28.46     | 28.17     | 28.26     | 28.59     | 28.51    |           |          |
| 20      | 28.23      | 28.15              | 28.15     | 28.24     | 28.31     | 28.31     | 28.26     | 28.23     | 28.26     | 28.24     | 28.32    |           |          |
| 30      | 28.22      | 28.13              | 28.10     | 28.20     | 28.22     | 28.22     | 28.22     | 28.20     | 28.22     | 28.20     | 28.23    |           |          |
| 50      | 28.16      | 28.06              | 28.09     | 28.03     | 28.03     | 28.03     | 28.01     | 27.71     | 27.67     | 27.56     |          |           |          |
| 75      | 27.92      | 80:27.30           | 78        | 80        | 27.31     | 76:28.01  | 26.59     | 28.83     | 26.48     |           |          |           |          |
| 100     | 99         | 25.49              | 105:25.19 | 102       | 24.87     | 104       | 24.86     | 101:24.33 | 24.70     | 25.19     | 25.08    |           |          |
| 150     | 146        | 22.37              | 154:22.93 | 150       | 22.69     | 152       | 22.37     | 150:22.52 | 22.27     | 22.81     | 22.48    |           |          |
| 200     | 194        | -                  | 202:20.98 | 199       | 21.07     | 200       | 20.78     | 200:21.10 | 21.04     | 20.76     | 21.17    |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 34.223     | 34.220             | 34.055    | 33.966    | 34.165    | 34.238    | 34.097    | 34.370    | 34.151    | 34.034    |          |           |          |
| 10      | .220       | .229               | 33.969    | 34.018    | .156      | .220      | .133      | .247      | .165      | .187      |          |           |          |
| 20      | .169       | .220               | 34.001    | 33.983    | .187      | .220      | .193      | .234      | .220      | .238      |          |           |          |
| 30      | .238       | .223               | .052      | 34.001    | .202      | .220      | .234      | .261      | .252      | .214      |          |           |          |
| 50      | .256       | .274               | .137      | .052      | .220      | .310      | .124      | .274      | .383      |           |          |           |          |
| 75      | .444       | .476               | .196      | .585      | .297      | .590      | .494      | .536      |           |           |          |           |          |
| 100     | .673       | .718               | .695      | .682      | .810      | .772      | .709      | .700      |           |           |          |           |          |
| 150     | .865       | .879               | .888      | .838      | .906      | .915      | .894      | .865      |           |           |          |           |          |
| 200     | .888       | .879               | .924      | .921      | .930      | .933      | .915      | .861      |           |           |          |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 28.5       | 28.9               | 28.9      | 28.8      | 28.8      | 28.8      | 28.5      | 28.8      | 28.9      | 29.6      | 28.8     |           |          |
| 10      | 28.31      | 28.25              | 28.16     | 28.42     | 28.54     | 28.54     | 28.46     | 28.17     | 28.26     | 28.59     | 28.51    |           |          |
| 20      | 28.23      | 28.15              | 28.15     | 28.24     | 28.31     | 28.31     | 28.26     | 28.23     | 28.26     | 28.24     | 28.32    |           |          |
| 30      | 28.22      | 28.13              | 28.10     | 28.20     | 28.22     | 28.22     | 28.22     | 28.20     | 28.22     | 28.20     | 28.23    |           |          |
| 50      | 28.16      | 28.06              | 28.09     | 28.03     | 28.03     | 28.03     | 28.01     | 27.71     | 27.67     | 27.56     |          |           |          |
| 75      | 27.92      | 80:27.30           | 78        | 80        | 27.31     | 76:28.01  | 26.59     | 28.83     | 26.48     |           |          |           |          |
| 100     | 99         | 25.49              | 105:25.19 | 102       | 24.87     | 104       | 24.86     | 101:24.33 | 24.70     | 25.19     | 25.08    |           |          |
| 150     | 146        | 22.37              | 154:22.93 | 150       | 22.69     | 152       | 22.37     | 150:22.52 | 22.27     | 22.81     | 22.48    |           |          |
| 200     | 194        | -                  | 202:20.98 | 199       | 21.07     | 200       | 20.78     | 200:21.10 | 21.04     | 20.76     | 21.17    |           |          |
| 300     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 400     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 500     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 600     |            |                    |           |           |           |           |           |           |           |           |          |           |          |
| 0       | 34.223     | 34.220             | 34.055    | 33.966    | 34.165    | 34.238    | 34.097    | 34.370    | 34.151    | 34.034    |          |           |          |
| 10      | .220       | .229               | 33.969    | 34.018    | .156      | .220      | .133      | .247      | .165      | .187      |          |           |          |
| 20      | .169       | .220               | 34.001    | 33.983    | .187      | .220      | .193      | .234      | .220      | .238      |          |           |          |
| 30      | .238       | .223               | .052      | 34.001    | .202      | .220      | .234      |           |           |           |          |           |          |



第16表 海洋観測表 (沖縄県)

| 海域・年月 |        | 金武湾沿岸定線 昭和50年12月 |           |           |           |           |           |           |           |   |    |    |    |
|-------|--------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|----|----|----|
| 観測地点  | St No  | 1                | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9 | 10 | 11 | 12 |
| 観測日時  | Lat N  | 26°13'           | 26°13'    | 26°10'    | 26°21.5'  | 26°23'    | 26°24'    | 26°25.5'  | 26°24'    |   |    |    |    |
| 観測日時  | Long E | 128°05'          | 128°10'   | 128°15.5' | 128°16.5' | 128°11'   | 128°06.5' | 128°02'   | 127°55'   |   |    |    |    |
| 観測日時  | 日      | 12-2             | 12-2      | 12-2      | 12-2      | 12-2      | 12-2      | 12-1      | 12-1      |   |    |    |    |
| 観測日時  | 時分     | 1440-1335        | 1347-1412 | 1215-1310 | 1040-1112 | 930-1010  | 819-905   | 1541-1615 | 1650-1710 |   |    |    |    |
| 実測    | 0      | 241              | 242       | 242       | 242       | 242       | 242       | 242       | 236       |   |    |    |    |
|       | 10     | 13:24.10         | 11:24.05  | 11:24.04  | 13:24.04  | 12:23.95  | 12:24.13  | 24.05     | 11:23.43  |   |    |    |    |
|       | 20     | 22:24.08         | 24.00     | 21:24.03  | 23:24.01  | 21:23.94  | 22:24.13  | 24.02     | 23.31     |   |    |    |    |
|       | 30     | 32:24.04         | 24.00     | 24.01     | 32:24.00  | 31:23.93  | 31:24.13  | 24.02     | 29:22.93  |   |    |    |    |
|       | 50     | 51:23.97         | 49:24.01  | 49:23.69  | 52:23.40  | 51:23.93  | 49:24.13  | 23.90     |           |   |    |    |    |
|       | 75     | 89:23.77         | 88:23.93  | 90:23.37  | 83:22.40  | 82:23.92  | 79:23.60  |           |           |   |    |    |    |
|       | 100    | 112:23.12        | 108:22.86 | 110:22.32 | 107:21.71 | 105:22.02 | 102:22.94 |           |           |   |    |    |    |
|       | 150    | 159:20.81        | 147:20.82 | 200.3     | 153:19.92 | 151:20.48 | 149:20.81 |           |           |   |    |    |    |
|       | 200    | 196:18.13        | 187:19.25 | 173:18.62 | 199:18.43 | 196:18.79 | 196:20.47 |           |           |   |    |    |    |
|       | 300    |                  |           |           |           |           |           |           |           |   |    |    |    |
|       | 400    |                  |           |           |           |           |           |           |           |   |    |    |    |
|       | 500    |                  |           |           |           |           |           |           |           |   |    |    |    |
| 600   |        |                  |           |           |           |           |           |           |           |   |    |    |    |
| 測層    | 0      | 34507            | 34507     | 34554     | 34536     | 34456     | 34456     | 34417     | 34379     |   |    |    |    |
|       | 10     | 485              | 507       | 530       | 536       | 456       | 429       | 393       | 379       |   |    |    |    |
|       | 20     | 485              | 507       | 536       | 536       | 456       | 429       | 393       | 361       |   |    |    |    |
|       | 30     | 471              | 507       | 536       | 536       | 456       | 426       | 399       | 357       |   |    |    |    |
|       | 50     | 480              | 525       | 554       | 536       | 456       | 426       | 408       |           |   |    |    |    |
|       | 75     | 480              | 567       | 576       | 594       | 456       | 498       |           |           |   |    |    |    |
|       | 100    | 585              | 727       | 772       | 796       | 686       | 585       |           |           |   |    |    |    |
|       | 150    | 796              | 801       | 810       | 796       | 722       | 700       |           |           |   |    |    |    |
|       | 200    | 796              | 695       | 623       | 780       | 722       | 704       |           |           |   |    |    |    |
|       | 300    |                  |           |           |           |           |           |           |           |   |    |    |    |
|       | 400    |                  |           |           |           |           |           |           |           |   |    |    |    |
|       | 500    |                  |           |           |           |           |           |           |           |   |    |    |    |
| 600   |        |                  |           |           |           |           |           |           |           |   |    |    |    |
| 水     | 0      | 241              | 242       | 242       | 242       | 242       | 242       | 242       | 236       |   |    |    |    |
|       | 10     | 241.2            | 240.6     | 240.5     | 240.6     | 239.8     | 242.0     | 240.5     | 234.5     |   |    |    |    |
|       | 20     | 241.0            | 240.0     | 240.4     | 403       | 239.5     | 242.0     | 240.2     | 233.1     |   |    |    |    |



| 海域・年月  |            | 沖縄南部海域沿岸定線 昭和50年1-2月 |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
|--------|------------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|--------|--------|--------|--------|--------|--------|--------|
| 観測地点   | St No      | 1                    | 2         | 3         | 4         | 5         | 6         | 7         | 8          | 9          | 10         | 11         | 12         |        |        |        |        |        |        |        |
| Lat N  | 26°-04'    | 25°-58'              | 25°-54'   | 25°-49.5' | 25°-56'   | 26°-02.5' | 26°-06.5' | 26°-09.5' | 26°-12.9'  | 26°-12.9'  | 26°-12.9'  | 26°-12.9'  | 26°-12.9'  |        |        |        |        |        |        |        |
| Long E | 127°-39.5' | 127°-43'             | 127°-46'  | 127°-49'  | 127°-59'  | 128°-09'  | 128°-05'  | 128°-01'  | 127°-57.2' | 127°-52.3' | 127°-52.3' | 127°-52.3' | 127°-52.3' |        |        |        |        |        |        |        |
| 日      | 12-3       | 12-3                 | 12-3      | 12-3      | 12-3      | 12-3      | 12-3      | 12-3      | 12-3       | 12-2       | 12-2       | 12-2       | 12-2       |        |        |        |        |        |        |        |
| 時分     | 1850-1940  | 1755-1825            | 1540-1635 | 1435-1505 | 1250-1330 | 1110-1140 | 940-1030  | 805-910   | 1625-1700  | 1735-1820  | 1735-1820  | 1735-1820  | 1735-1820  |        |        |        |        |        |        |        |
| 観測日時   | 0          | 240                  | 241       | 239       | 239       | 239       | 238       | 240       | 241        | 241        | 241        | 241        | 241        |        |        |        |        |        |        |        |
| 水深     | 12         | 23.95                | 12        | 23.97     | 11        | 23.94     | 12        | 23.72     | 13         | 23.79      | 12         | 23.69      | 13         | 23.82  | 24.01  | 13     | 23.96  | 12     | 23.61  |        |
| 水温     | 21         | 23.91                | 22        | 23.93     | 23.94     | 21        | 23.67     | 22        | 23.78      | 22         | 23.68      | 22         | 23.81      | 24.00  | 23     | 23.91  | 21     | 23.55  | 21     | 23.55  |
| 塩分     | 31         | 23.93                | 32        | 23.93     | 23.91     | 31        | 23.66     | 32        | 23.77      | 32         | 23.67      | 32         | 23.78      | 23.97  | 32     | 23.69  | 30     | 22.98  | 30     | 22.98  |
| 密度     | 51         | 23.88                | 51        | 23.88     | 23.91     | 51        | 23.61     | 52        | 23.76      | 51         | 23.68      | 52         | 23.76      | 49     | 24.00  | 50     | 22.98  |        |        |        |
| 透明度    | 75         | 83                   | 23.83     | 88        | 23.81     | 86        | 23.85     | 82        | 23.61      | 83         | 23.68      | 88         | 23.72      | 84     | 23.85  |        |        |        |        |        |
| 水温(°C) | 100        | 106                  | 230       | 110       | 22.94     | 109       | 22.24     | 105       | 22.60      | 105        | 22.46      | 105        | 21.92      | 110    | 23.49  | 98     | 23.49  |        |        |        |
| 塩分(‰)  | 150        | 154                  | 20.94     | 156       | 20.25     | 154       | 20.62     | 152       | 19.98      | 149        | 20.33      | 150        | 20.39      | 154    | 20.90  | 141    | 20.89  |        |        |        |
| 密度     | 200        | 202                  | 18.31     | 202       | 18.63     | 199       | 19.02     | 199       | 18.94      | 193        | 18.41      | 195        | 18.80      | 199    | 19.52  | 178    | 19.42  |        |        |        |
| t      | 300        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 400        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 500        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 600        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 0          | 34.545               | 34.521    | 34.585    | 34.507    | 34.545    | 34.525    | 34.507    | 34.507     | 34.507     | 34.557     | 34.507     | 34.507     | 34.507 | 34.507 | 34.507 | 34.507 | 34.507 | 34.507 | 34.507 |
| 塩分(‰)  | 10         | .516                 | .503      | .525      | .507      | .507      | .503      | .489      | .536       | .503       | .536       | .503       | .503       | .503   | .503   | .503   | .503   | .503   | .503   | .503   |
| 密度     | 20         | .507                 | .503      | .516      | .485      | .507      | .503      | .498      | .536       | .503       | .536       | .503       | .503       | .503   | .503   | .503   | .503   | .503   | .503   | .503   |
| t      | 30         | .516                 | .512      | .525      | .494      | .512      | .503      | .498      | .536       | .503       | .536       | .503       | .503       | .503   | .503   | .503   | .503   | .503   | .503   | .503   |
| 水      | 50         | .516                 | .512      | .507      | .503      | .512      | .503      | .498      | .536       | .503       | .536       | .503       | .503       | .503   | .503   | .503   | .503   | .503   | .503   | .503   |
| 水      | 75         | .539                 | .516      | .516      | .503      | .548      | .521      | .495      | .548       | .521       | .495       | .548       | .521       | .495   | .548   | .521   | .495   | .548   | .521   | .495   |
| 水      | 100        | .727                 | .557      | .805      | .742      | .780      | .805      | .548      | .572       | .805       | .548       | .572       | .805       | .548   | .572   | .805   | .548   | .572   | .805   | .548   |
| 水      | 150        | .796                 | .810      | .805      | .814      | .810      | .810      | .792      | .783       | .810       | .792       | .783       | .810       | .792   | .783   | .810   | .792   | .783   | .810   | .792   |
| 水      | 200        | .760                 | .792      | .810      | .783      | .792      | .801      | .805      | .801       | .801       | .805       | .801       | .801       | .805   | .801   | .801   | .805   | .801   | .801   | .805   |
| 水      | 300        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 400        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 500        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 600        |                      |           |           |           |           |           |           |            |            |            |            |            |        |        |        |        |        |        |        |
| 水      | 0          | 240                  | 241       | 241       | 239       | 239       | 238       | 240       | 241        | 241        | 241        | 241        | 241        | 241    | 241    | 241    | 241    | 241    | 241    | 241    |
| 水      | 10         | 2396                 | 2400      | 2395      | 2373      | 2380      | 2372      | 2387      | 2401       | 2399       | 2370       | 2370       | 2370       | 2370   | 2370   | 2370   | 2370   | 2370   | 2370   | 2370   |
| 水      | 20         | 2392                 | 2395      | 2394      | 369       | 2379      | 2369      | 2383      | 2400       | 2392       | 2360       | 2360       | 2360       | 2360   | 2360   | 2360   | 2360   | 2360   | 2360   | 2360   |

|    |          |        |        |        |        |        |        |        |        |        |        |
|----|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 所定 | 30       | 2391   | 2394   | 2391   | 2367   | 2378   | 2368   | 2379   | 2397   | 23/3   | 2298   |
| 温  | 50       | 2390   | 2390   | 2391   | 2362   | 2375   | 2368   | 2377   | 2401   | 2298   |        |
|    | 75       | 2388   | 2388   | 2388   | 2362   | 2373   | 2368   | 2375   | 2392   |        |        |
|    | 100      | 2360   | 2330   | 2230   | 2288   | 2248   | 2240   | 2360   | 2338   |        |        |
|    | 150      | 2114   | 2065   | 2078   | 2002   | 2030   | 2039   | 2110   | 2052   |        |        |
|    | 200      | 1845   | 1870   | 1900   | 1892   | 1827   | 1878   | 1949   | 1920   |        |        |
|    | 300      |        |        |        |        |        |        |        |        |        |        |
|    | 400      |        |        |        |        |        |        |        |        |        |        |
|    | 500      |        |        |        |        |        |        |        |        |        |        |
|    | 600      |        |        |        |        |        |        |        |        |        |        |
| 塩分 | 0        | 34.545 | 34.521 | 34.585 | 34.507 | 34.545 | 34.525 | 34.507 | 34.557 | 34.507 | 34.507 |
|    | 10       | .520   | .503   | .527   | .506   | .507   | .506   | .490   | .536   | .503   | .503   |
|    | 20       | .507   | .501   | .516   | .485   | .507   | .503   | .492   | .536   | .503   | .503   |
|    | 30       | .515   | .509   | .525   | .490   | .510   | .503   | .498   | .536   | .510   | .503   |
|    | 50       | .516   | .510   | .507   | .502   | .512   | .503   | .498   | .537   | .512   |        |
|    | 75       | .531   | .510   | .515   | .507   | .536   | .515   | .495   | .545   |        |        |
|    | 100      | .654   | .530   | .645   | .665   | .716   | .675   | .548   | .583   |        |        |
|    | 150      | .797   | .790   | .811   | .818   | .810   | .810   | .792   | .799   |        |        |
|    | 200      | .761   | .798   | .810   | .785   | .788   |        | .805   | .769   |        |        |
|    | 300      |        |        |        |        |        |        |        |        |        |        |
|    | 400      |        |        |        |        |        |        |        |        |        |        |
|    | 500      |        |        |        |        |        |        |        |        |        |        |
|    | 600      |        |        |        |        |        |        |        |        |        |        |
| 層  | ネット種類    | ⑤      | ⑥      | ⑦      | ⑧      | ⑨      | ⑩      | ⑪      | ⑫      | ⑬      | ⑭      |
| ク  | 採集水層     | 0      | 0-50   | 0      | 0-50   | 0      | 0-50   | 0      | 0-50   | 0      | 0-50   |
| ン  | 採網時間(分)  | 5      | 1      | 5      | 1      | 5      | 1      | 5      | 1      | 5      | 1      |
| 海  | 深 (m)    | -      | -      | -      | -      | -      | 447    | -      | -      | 58     | 34     |
| 水  | 色・透明度(m) | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 色  | ・透明度(m)  | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 流  | 向・流速     | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 波  | 浪・ウネリ    | 3      | 3      | 3      | 3      | 4      | 5      | 5      | 5      | 3      | 2      |
| 風  | 向・風力     | ESE 3  | ESE 2  | ESE 2  | ESE 3  | ESE 5  | NE 5   | NE 4   | ENE 6  | NE 4   | NE 3   |
| 気  | 温        | 25.0   | 25.5   | 25.5   | 26.0   | 26.0   | 26.0   | 25.0   | 25.0   | 25.0   | 24.5   |
| 雲  | 形・雲量     | 3      | 6      | 3      | 3      | 3      | 3      | 2      | 5      | 3      | 3      |
| 天  | 気        | b      | bc     | bc     | b      | b      | b      | b      | bc     | bc     | bc     |
| 気  | 圧 (mb)   | 1018   | 1018   | 1018.5 | 1019   | 1019   | 1019   | 1019   | 1018.5 | 1018   | 1015   |

船名(トン数、馬力) 調査員 観測表 塩友利 検 プラントク トン 船 比嘉幸一 サリノメーター ES-2型  
くろしお(2144 100) 金城・吉川 吉川



第18表 海洋観測表 (沖繩県)

| 海域・年月  |                   | 金武灣沿岸定線 昭和51年1月   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|----------------------|------|-----|------|
| 観測地点   | St No             | 1                 | 2                 | 3                 | 4                 | 5                 | 6                 | 7                 | 8                    | 9                    | 10   | 11  | 12   |
| Lat N  | 26°13'            | 26°13'            | 26°10'            | 26°10'            | 26°21.5'          | 26°23'            | 26°24'            | 26°25.5'          | 26°24'               |                      |      |     |      |
| Long E | 128°05'           | 128°10'           | 128°15'           | 128°16.5'         | 128°11'           | 128°06.5'         | 128°02'           | 127°55'           |                      |                      |      |     |      |
| 日      | 1-21              | 1-21              | 1-21              | 1-21              | 1-21              | 1-21              | 1-21              | 1-21              | 1-21                 |                      |      |     |      |
| 時分     | 1600-1640         | 1505-1530         | 1400-1440         | 1225-1300         | 1106-1150         | 0953-1030         | 0845-0918         | 0725-0755         |                      |                      |      |     |      |
| 観測日時   | 深度:207<br>水温:20.7 | 深度:205<br>水温:20.5 | 深度:207<br>水温:20.7 | 深度:206<br>水温:20.6 | 深度:206<br>水温:20.6 | 深度:205<br>水温:20.5 | 深度:204<br>水温:20.4 | 深度:201<br>水温:20.1 | 深度:20.13<br>水温:20.13 | 深度:19.95<br>水温:19.95 |      |     |      |
| 水      | 10                | 12                | 2077              | 11                | 2069              | 11                | 2071              | 11                | 2069                 | 11                   | 2062 | 11  | 2064 |
| 温      | 20                | 22                | 2068              | 21                | 2064              | 21                | 2071              | 21                | 2068                 | 21                   | 2060 | 21  | 2064 |
| (°C)   | 30                | 31                | 2067              | 30                | 2068              | 31                | 2068              | 30                | 2066                 | 30                   | 2059 | 30  | 2060 |
|        | 50                | 51                | 2072              | 50                | 2068              | 51                | 2092              | 50                | 2071                 | 50                   | 2064 | 50  | 2061 |
|        | 75                | 89                | 2072              | 80                | 2072              | 82                | 2074              | 79                | 2071                 | 86                   | 2061 | 81  | 2067 |
|        | 100               | 105               | 2067              | 103               | 2067              | 104               | 2079              | 103               | 2058                 | 109                  | 2059 | 106 | 2051 |
|        | 150               | 152               | 1936              | 150               | 1962              | 150               | 1894              | 149               | 1939                 | 157                  | 1981 | 155 | 1967 |
|        | 200               | 200               | 1714              | 197               | 1771              | 195               | 1764              | 196               | 1811                 | 205                  | 1728 | 208 | 1795 |
| 実測     | 300               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|        | 400               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|        | 500               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|        | 600               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
| 層      | 0                 | 34760             | 34763             | 34763             | 34760             | 34760             | 34760             | 34769             | 34783                | 34805                |      |     |      |
| 量      | 10                | .760              | .763              | .763              | .760              | .760              | .769              | .769              | .783                 | .783                 |      |     |      |
| (%)    | 20                | .760              | .763              | .763              | .760              | .769              | .780              | .783              | .783                 | .805                 |      |     |      |
| t      | 30                | .760              | .763              | .763              | .760              | .769              | .772              | .783              | .783                 |                      |      |     |      |
| ⊙      | 50                | .760              | .763              | .763              | .760              | .769              | .769              | .783              | .783                 |                      |      |     |      |
|        | 75                | .772              | .763              | .763              | .760              | .769              | .769              | .783              | .783                 |                      |      |     |      |
|        | 100               | .769              | .763              | .763              | .760              | .769              | .769              |                   |                      |                      |      |     |      |
|        | 150               | .843              | .847              | .843              | .823              | .810              | .828              |                   |                      |                      |      |     |      |
|        | 200               | .814              | .852              | .819              | .838              | .796              | .828              |                   |                      |                      |      |     |      |
|        | 300               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|        | 400               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|        | 500               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
|        | 600               |                   |                   |                   |                   |                   |                   |                   |                      |                      |      |     |      |
| 水      | 0                 | 207               | 205               | 207               | 206               | 206               | 205               | 204               | 201                  |                      |      |     |      |
|        | 10                | 2078              | 2068              | 2071              | 2068              | 2062              | 2064              | 2040              | 2013                 |                      |      |     |      |
|        | 20                | 2069              | 2064              | 2071              | 068               | 2060              | 2064              | 2040              | 1995                 |                      |      |     |      |



第19表

海洋観測表

(沖縄県)

| 海域・年月  |         | 沖縄南部海域沿岸定線 昭和51年1月 |           |           |           |           |           |           |           |            |            |    |    |
|--------|---------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|----|----|
| 観測地点   | St. No. | 1                  | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9          | 10         | 11 | 12 |
| Lat N  |         | 25°-04'            | 25°-58'   | 25°-54'   | 25°-49.5' | 25°-56'   | 26°-02.5' | 26°-06.5' | 26°-09.5' | 26°-12.9'  | 26°-12.9'  |    |    |
| Long E |         | 127°-39.5'         | 127°-43'  | 127°-46'  | 127°-49'  | 127°-59'  | 128°-09'  | 128°-05'  | 128°-01'  | 127°-57.2' | 127°-52.3' |    |    |
| 日      | 時       | 1-23               | 1-23      | 1-23      | 1-23      | 1-22      | 1-22      | 1-22      | 1-22      | 1-21       | 1-21       |    |    |
| 時分     |         | 1350-1450          | 1242-1315 | 1115-1200 | 1005-1040 | 1350-1430 | 1157-1230 | 1040-1120 | 0930-1000 | 1735-1755  | 1809-1830  |    |    |
| 深度     | 水温      | 20.6               | 20.5      | 20.7      | 20.6      | 21.0      | 20.6      | 20.6      | 20.6      | 20.6       | 20.4       |    |    |
| 深度     | 水温      | 11:20.60           | 11:20.61  | 11:20.74  | 11:20.62  | 11:21.21  | 11:20.70  | 11:20.60  | 11:20.65  | 11:20.70   | 20.38      |    |    |
| 深度     | 水温      | 21:20.56           | 21:20.61  | 21:20.75  | 20:20.61  | 21:21.09  | 21:20.65  | 21:20.66  | 21:20.68  | 20:20.64   | 19:20.25   |    |    |
| 深度     | 水温      | 31:20.54           | 30:20.59  | 31:20.68  | 31:20.69  | 30:20.99  | 30:20.63  | 31:20.59  | 31:20.69  | 30:20.53   | 29:19.62   |    |    |
| 深度     | 水温      | 51:20.56           | 50:20.60  | 51:20.72  | 50:20.64  | 50:20.99  | 50:20.67  | 50:20.62  | 51:20.67  | 50:19.69   |            |    |    |
| 深度     | 水温      | 82:20.62           | 82:20.63  | 84:20.72  | 83:20.68  | 83:20.79  | 83:20.70  | 81:20.67  | 78:20.70  |            |            |    |    |
| 深度     | 水温      | 105:20.55          | 105:20.59 | 108:20.65 | 106:20.61 | 106:20.42 | 107:20.68 | 105:20.64 | 102:20.66 |            |            |    |    |
| 深度     | 水温      | 151:20.03          | 151:20.43 | 156:19.79 | 153:19.19 | 153:19.27 | 154:19.67 | 153:19.46 | 151:20.42 |            |            |    |    |
| 深度     | 水温      | 198:18.28          | 198:18.17 | 204:18.18 | 200:18.06 | 200:18.18 | 201:17.90 | 201:17.62 | 200:18.02 |            |            |    |    |
| 300    |         |                    |           |           |           |           |           |           |           |            |            |    |    |
| 400    |         |                    |           |           |           |           |           |           |           |            |            |    |    |
| 500    |         |                    |           |           |           |           |           |           |           |            |            |    |    |
| 600    |         |                    |           |           |           |           |           |           |           |            |            |    |    |
| 0      | 塩分      | 34.772             | 34.754    | 34.772    | 34.783    | 34.754    | 34.754    | 34.760    | 34.780    | 34.769     | 34.783     |    |    |
| 10     | 塩分      | .772               | .754      | .772      | .783      | .754      | .760      | .760      | .736      | .769       | .783       |    |    |
| 20     | 塩分      | .780               | .754      | .763      | .783      | .754      | .760      | .760      | .727      | .769       | .787       |    |    |
| 30     | 塩分      | .780               | .754      | .763      | .783      | .754      | .760      | .742      | .745      | .769       | .814       |    |    |
| 50     | 塩分      | .772               | .754      | .763      | .783      | .753      | .760      | .763      | .745      | .769       |            |    |    |
| 75     | 塩分      | .774               | .754      | .763      | .832      | .780      | .760      | .763      | .745      |            |            |    |    |
| 100    | 塩分      | .780               | .760      | .763      | .856      | .847      | .760      | .763      | .754      |            |            |    |    |
| 150    | 塩分      | .810               | .760      | .856      | .856      | .874      | .801      | .838      | .772      |            |            |    |    |
| 200    | 塩分      | .828               | .819      | .856      | .843      | .865      | .847      | .852      | .832      |            |            |    |    |
| 300    | t       |                    |           |           |           |           |           |           |           |            |            |    |    |
| 400    | ◎       |                    |           |           |           |           |           |           |           |            |            |    |    |
| 500    |         |                    |           |           |           |           |           |           |           |            |            |    |    |
| 600    |         |                    |           |           |           |           |           |           |           |            |            |    |    |
| 0      | 水       | 20.6               | 20.5      | 20.7      | 20.6      | 21.0      | 20.6      | 20.6      | 20.6      | 20.6       | 20.4       |    |    |
| 10     | 水       | 20.60              | 20.61     | 20.74     | 20.62     | 21:21.21  | 21:20.70  | 21:20.60  | 21:20.65  | 20:20.64   | 19:20.25   |    |    |
| 20     | 水       | 21:20.56           | 21:20.61  | 21:20.75  | 20:20.61  | 21:21.09  | 21:20.65  | 21:20.66  | 21:20.68  | 20:20.64   | 19:20.25   |    |    |
| 30     | 水       | 31:20.54           | 30:20.59  | 31:20.68  | 31:20.69  | 30:20.99  | 30:20.63  | 31:20.59  | 31:20.69  | 30:20.53   | 29:19.62   |    |    |
| 50     | 水       | 51:20.56           | 50:20.60  | 51:20.72  | 50:20.64  | 50:20.99  | 50:20.67  | 50:20.62  | 51:20.67  | 50:19.69   |            |    |    |
| 75     | 水       | 82:20.62           | 82:20.63  | 84:20.72  | 83:20.68  | 83:20.79  | 83:20.70  | 81:20.67  | 78:20.70  |            |            |    |    |
| 100    | 水       | 105:20.55          | 105:20.59 | 108:20.65 | 106:20.61 | 106:20.42 | 107:20.68 | 105:20.64 | 102:20.66 |            |            |    |    |
| 150    | 水       | 151:20.03          | 151:20.43 | 156:19.79 | 153:19.19 | 153:19.27 | 154:19.67 | 153:19.46 | 151:20.42 |            |            |    |    |
| 200    | 水       | 198:18.28          | 198:18.17 | 204:18.18 | 200:18.06 | 200:18.18 | 201:17.90 | 201:17.62 | 200:18.02 |            |            |    |    |
| 300    | 水       |                    |           |           |           |           |           |           |           |            |            |    |    |
| 400    | 水       |                    |           |           |           |           |           |           |           |            |            |    |    |
| 500    | 水       |                    |           |           |           |           |           |           |           |            |            |    |    |
| 600    | 水       |                    |           |           |           |           |           |           |           |            |            |    |    |

| 所定         | 温度 (°C)   |       |        |       |       |       |       |       |        |       |       |         |
|------------|-----------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|---------|
|            | 30        | 2054  | 2059   | 2068  | 2069  | 2099  | 2063  | 2059  | 2069   | 2053  | —     |         |
| 50         | 2056      | 2060  | 2072   | 2072  | 2064  | 2099  | 2067  | 2062  | 2067   | 1969  |       |         |
| 75         | 2060      | 2061  | 2072   | 2072  | 2067  | 2080  | 2069  | 2067  | 2070   |       |       |         |
| 100        | 2056      | 2060  | 2070   | 2070  | 2061  | 2053  | 2068  | 2054  | 2066   |       |       |         |
| 150        | 2002      | 2043  | 1989   | 1989  | 1920  | 1939  | 1973  | 2000  | 2042   |       |       |         |
| 200        | —         | —     | 1833   | 1833  | 1806  | 1818  | 1794  | 1773  | 1802   |       |       |         |
| 300        |           |       |        |       |       |       |       |       |        |       |       |         |
| 400        |           |       |        |       |       |       |       |       |        |       |       |         |
| 500        |           |       |        |       |       |       |       |       |        |       |       |         |
| 600        |           |       |        |       |       |       |       |       |        |       |       |         |
| 0          | 34772     | 34754 | 34772  | 34772 | 34783 | 34754 | 34754 | 34760 | 34780  | 34769 | 34783 |         |
| 10         | .772      | .754  | .772   | .772  | .783  | .754  | .760  | .760  | .738   | .769  | .783  |         |
| 20         | .779      | .754  | .765   | .765  | .783  | .754  | .760  | .760  | .727   | .769  | .788  |         |
| 30         | .780      | .754  | .763   | .763  | .783  | .754  | .760  | .742  | .745   | .769  | —     |         |
| 50         | .773      | .754  | .763   | .763  | .783  | .753  | .760  | .763  | .745   | .769  | —     |         |
| 75         | .774      | .754  | .763   | .763  | .818  | .752  | .760  | .763  | .745   | —     | —     |         |
| 100        | .779      | .759  | .763   | .763  | .850  | .831  | .760  | .763  | .753   | —     | —     |         |
| 150        | .808      | .760  | .842   | .842  | .856  | .873  | .796  | .828  | .771   | —     | —     |         |
| 200        | —         | —     | .856   | .856  | .843  | .865  | .843  | .849  | .832   | —     | —     |         |
| 300        |           |       |        |       |       |       |       |       |        |       |       |         |
| 400        |           |       |        |       |       |       |       |       |        |       |       |         |
| 500        |           |       |        |       |       |       |       |       |        |       |       |         |
| 600        |           |       |        |       |       |       |       |       |        |       |       |         |
| ネット種類      | ④         | ④     | ④      | ④     | ④     | ④     | ④     | ④     | ④      | ④     | ④     | ④       |
| 採集水層       | 0         | 0-50  | 0      | 0-50  | 0     | 0-50  | 0     | 0-50  | 0      | 0-50  | 0     | 0-40    |
| 曳網時間分      | 5         | 1     | 5      | 1     | 5     | 1     | 5     | 1     | 5      | 1     | 5     | 1       |
| 海深 (m)     | 480       | —     | —      | —     | —     | —     | —     | —     | —      | 58    | 40    | —       |
| 水色・透明度(m)  | 3・23      | 3・26  | 3・23   | 3・24  | 3・24  | 3・23  | 3・24  | 3・25  | 3・22   | 3・15  | —     | —       |
| 流向・流速      | —         | —     | —      | —     | —     | —     | —     | —     | —      | —     | —     | —       |
| 波浪・ウネリ     | 3・3       | 3・3   | 3・4    | 3・4   | 3・3   | 3・3   | 3・3   | 2・2   | 3・2    | 2・2   | 3・2   | —       |
| 風向・風力      | N 3       | N 3   | N 4    | N 3   | N 3   | N 3   | N 3   | N 3   | NNE 3  | NNE 3 | NNE 3 | —       |
| 気温         | 180       | 17.5  | 17.8   | 17.2  | 192   | 188   | 170   | 170   | 15.6   | 19.8  | 19.4  | —       |
| 雲形・雲量      | — 8       | — 10  | — 10   | — 10  | — 10  | — 10  | — 10  | — 10  | — 10   | — 10  | — 10  | —       |
| 天気         | C         | O     | O      | O     | O     | O     | O     | O     | O      | O     | O     | —       |
| 気圧 (mb)    | —         | —     | —      | —     | —     | —     | —     | —     | —      | —     | —     | —       |
| 船名(トン数、馬力) | くろしお(2144 | 100)  | 金城・喜屋武 | 観測表   | 喜屋武   | 塩     | 喜屋武   | 検     | ブランクトン | 船     | 比嘉幸一  | サリノメーター |
|            |           |       |        |       |       |       |       |       |        |       |       | ES-2型   |

第20表

海洋観測表

(沖縄県)

| 海域・年月 |         | 沖縄南部海域沿岸定線 昭和51年2月 |            |           |           |           |           |           |           |            |            |        |      |     |  |
|-------|---------|--------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|--------|------|-----|--|
| 観測地点  | St No   | 1                  | 2          | 3         | 4         | 5         | 6         | 7         | 8         | 9          | 10         | 11     | 12   |     |  |
| 緯度    | Lat N   | 26°-04'            | 25°-58'    | 25°-54'   | 25°-49.5' | 25°-56'   | 26°-02.5' | 26°-06.5' | 26°-09.5' | 26°-12.9'  | 26°-12.9'  |        |      |     |  |
| 経度    | Long E  | 127°-39.5'         | 127°-43.0' | 127°-46'  | 127°-49'  | 127°-59'  | 128°-09'  | 128°-05'  | 128°-01'  | 127°-57.2' | 127°-52.3' |        |      |     |  |
| 日     | 日       | 2-26               | 2-26       | 2-26      | 2-26      | 2-27      | 2-27      | 2-27      | 2-27      | 2-27       | 2-26       |        |      |     |  |
| 時     | 分       | 1145-1216          | 1250-1317  | 1350-1420 | 1450-1525 | 1225-1308 | 1040-1110 | 0935-1008 | 0835-0903 | 0730-0750  | 1835-1850  |        |      |     |  |
| 観測日時  | 時       | 0                  | 10         | 20        | 30        | 50        | 75        | 100       | 150       | 200        | 300        | 400    | 500  | 600 |  |
| 実測    | 水温 (°C) | 水深                 | 20.5       | 20.6      | 20.7      | 20.6      | 20.6      | 20.9      | 20.6      | 20.6       | 20.7       | 20.1   |      |     |  |
|       |         | 水温                 | 20.99      | 21.01     | 21.10     | 20.90     | 20.89     | 21.20     | 21.10     | 20.98      | 20.96      | 20.75  |      |     |  |
|       |         | 水深                 | 20.97      | 20.92     | 21.04     | 20.79     | 20.87     | 21.20     | 21.08     | 20.98      | 20.94      | 20.69  |      |     |  |
|       |         | 水温                 | 19.71      | 20.75     | 20.91     | 20.81     | 20.87     | 21.20     | 21.06     | 20.96      | 20.81      | 20.71  |      |     |  |
|       |         | 水深                 | 19.70      | 20.90     | 20.82     | 20.72     | 20.82     | 21.11     | 21.06     | 20.98      | 20.10      |        |      |     |  |
|       |         | 水温                 | 76.1974    | 19.83     | 72.2080   | 74.2044   | 79.2059   | 20.64     | 78.2071   | 82.2095    |            |        |      |     |  |
|       |         | 水深                 | 99.1957    | 97.1969   | 93.2070   | 96.2035   | 102.2052  | 97.2043   | 100.2047  | 105.2067   |            |        |      |     |  |
|       |         | 水温                 | 144.1958   | 141.1969  | 134.1972  | 139.2000  | 148.2004  | 140.2019  | 145.2036  | 152.2069   |            |        |      |     |  |
|       |         | 水深                 | 189.1917   | 185.1968  | 176.1960  | 182.1863  | 196.1887  | 183.1926  | 189.2034  | 200.2003   |            |        |      |     |  |
|       |         | 水温                 |            |           |           |           |           |           |           |            |            |        |      |     |  |
|       |         | 水深                 |            |           |           |           |           |           |           |            |            |        |      |     |  |
|       |         | 水温                 |            |           |           |           |           |           |           |            |            |        |      |     |  |
| 層測    | 塩分量 (‰) | 0                  | 34.727     | 34.745    | 34.742    | 34.763    | 34.787    | 34.745    | 34.760    | 34.754     | 34.763     | 34.792 |      |     |  |
|       |         | 10                 | .727       | .745      | .742      | .754      | .787      | .727      | .718      | .754       | .736       | .769   |      |     |  |
|       |         | 20                 | .736       | .745      | .742      | .754      | .754      | .751      | .754      | .745       | .745       | .769   |      |     |  |
|       |         | 30                 | .736       | .736      | .727      | .754      | .769      | .751      | .745      | .745       | .772       | .780   |      |     |  |
|       |         | 50                 | .736       | .727      | .745      | .754      | .780      | .745      | .745      | .745       | .718       | .810   |      |     |  |
|       |         | 75                 | .733       | .745      | .745      | .763      | .792      | .754      | .754      | .751       |            |        |      |     |  |
|       |         | 100                | .718       | .745      | .745      | .783      | .801      | .796      | .769      | .751       |            |        |      |     |  |
|       |         | 150                | .760       | .754      | .769      | .783      | .832      | .792      | .787      | .769       |            |        |      |     |  |
|       |         | 200                | .772       | .769      | .772      | .792      | .847      | .823      | .763      | .780       |            |        |      |     |  |
|       |         | 300                |            |           |           |           |           |           |           |            |            |        |      |     |  |
|       |         | 400                |            |           |           |           |           |           |           |            |            |        |      |     |  |
|       |         | 500                |            |           |           |           |           |           |           |            |            |        |      |     |  |
| 600   |         |                    |            |           |           |           |           |           |           |            |            |        |      |     |  |
| 水     | 0       | 20.5               | 20.6       | 20.7      | 20.6      | 20.6      | 20.9      | 20.6      | 20.6      | 20.7       | 20.6       | 20.6   | 20.6 |     |  |
|       | 10      | 20.99              | 21.01      | 21.10     | 20.90     | 20.89     | 21.20     | 21.10     | 20.98     | 20.96      | 20.75      |        |      |     |  |
|       | 20      | 20.97              | 20.92      | 21.04     | 20.79     | 20.87     | 21.20     | 21.08     | 20.98     | 20.94      | 20.69      |        |      |     |  |

| 所定        | 30   | 1971  | 2075  | 2100  | 2081  | 2087  | 2120  | 2106  | 2096  |       |       |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 温         | 50   | 1970  | 2090  | 2082  | 2072  | 2082  | 2111  | 2106  | 2098  |       |       |
|           | 75   | 1976  | 1983  | 2078  | 2043  | 2061  | 2064  | 2075  | 2098  |       |       |
|           | 100  | 1958  | 1965  | 2057  | 2031  | 2057  | 2040  | 2047  | 2072  |       |       |
|           | 150  | 1950  | 1960  | 1965  | 1978  | 2003  | 1997  | 2030  | 2069  |       |       |
|           | 200  | —     | —     | —     | —     | —     | —     | —     | 2000  |       |       |
|           | 300  | —     | —     | —     | —     | —     | —     | —     | —     |       |       |
|           | 400  | —     | —     | —     | —     | —     | —     | —     | —     |       |       |
|           | 500  | —     | —     | —     | —     | —     | —     | —     | —     |       |       |
|           | 600  | —     | —     | —     | —     | —     | —     | —     | —     |       |       |
| 分         | 0    | 34727 | 34745 | 34742 | 34763 | 34787 | 34745 | 34760 | 34754 | 34763 | 34792 |
|           | 10   | 727   | 745   | 742   | 754   | 787   | 727   | 718   | 754   | 736   | 769   |
|           | 20   | 736   | 745   | 742   | 754   | 754   | 751   | 754   | 745   | 745   | 769   |
|           | 30   | 736   | 736   | 727   | 754   | 769   | 751   | 745   | 745   | 772   | 780   |
|           | 50   | 736   | 727   | 745   | 754   | 780   | 745   | 745   | 718   | 810   |       |
|           | 75   | 733   | 745   | 745   | 763   | 790   | 754   | 752   | 742   |       |       |
|           | 100  | 718   | 745   | 745   | 783   | 800   | 796   | 769   | 751   |       |       |
|           | 150  | 762   | 757   | 770   | 788   | 832   | 795   | 785   | 767   |       |       |
|           | 200  |       |       |       |       |       |       |       | 780   |       |       |
|           | 300  |       |       |       |       |       |       |       |       |       |       |
|           | 400  |       |       |       |       |       |       |       |       |       |       |
|           | 500  |       |       |       |       |       |       |       |       |       |       |
|           | 600  |       |       |       |       |       |       |       |       |       |       |
| ネット種類     |      |       |       |       |       |       |       |       |       |       |       |
| 採集水層      | 0    |       |       |       |       |       |       |       |       |       |       |
| 曳網時間分     | 5    |       |       |       |       |       |       |       |       |       |       |
| 海深 (m)    |      |       |       |       |       |       |       |       |       |       |       |
| 水色・透明度(m) | 2・21 | 2・21  | 2・21  | 2・24  | 2・24  | 2・23  | 2・22  | 2・21  | 3・15  | 3・-   | 3・-   |
| 流向・流速     |      |       |       |       |       |       |       |       |       |       |       |
| 波浪・ウネリ    | 3・3  | 3・3   | 3・3   | 3・3   | 3・2   | 3・3   | 3・3   | 3・3   | 3・4   | 3・3   | 2・2   |
| 風向・風力     | E 3  | E 3   | E 3   | E 3   | E 3   | E 3   | E 4   | E 4   | E 3   | E 4   | E 3   |
| 気温        | 200  | 206   | 213   | 214   | 250   | 223   | 223   | 221   | 207   | 205   | 212   |
| 雲形・雲量     | 3    | 4     | 3     |       | 7     | 4     | 4     | 4     | 5     | 3     | 4     |
| 天気        | bc   | bc    | bc    | bc    | bc    | bc    | bc    | bc    | bc    | bc    | bc    |
| 気圧 (mb)   |      |       |       |       |       |       |       |       |       |       |       |

| 船名 (トン数、馬力)      | 調査員 | 観測表 | 塩  | 検  | プランクトン | 船    | 長       |
|------------------|-----|-----|----|----|--------|------|---------|
| くろしお (21.44 100) | 吉川  | 吉川  | 友利 | 友利 | プランクトン | 比嘉幸一 | サリノメーター |

第21表

海洋観測表

(神縄県)

| 海域・年月  |           | 沖繩南部海域沿岸定線 昭和51年3月 |           |           |           |           |           |           |           |           |          |       |       |       |
|--------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-------|-------|-------|
| 観測地点   | St No     | 1                  | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10       | 11    | 12    |       |
| Lat N  | 26°04'    | 25°58'             | 25°54'    | 25°49.5'  | 25°56'    | 26°02.5'  | 26°06.5'  | 26°09.5'  | 26°12.9'  | 26°12.9'  | 26°12.9' |       |       |       |
| Long E | 127°39.5' | 127°43'            | 127°46'   | 127°49'   | 127°59'   | 128°09'   | 128°05'   | 128°01'   | 127°57.2' | 127°52.3' |          |       |       |       |
| 日      | 3-16      | 3-16               | 3-16      | 3-16      | 3-16      | 3-17      | 3-17      | 3-17      | 3-17      | 3-17      | 3-16     |       |       |       |
| 時      | 1030-1105 | 1205-1235          | 1350-1425 | 1500-1530 | 1130-1205 | 0940-1007 | 0830-0905 | 0720-0755 | 0630-0645 | 1740-1755 |          |       |       |       |
| 分      | 深度:水温     | 深度:水温              | 深度:水温     | 深度:水温     | 深度:水温     | 深度:水温     | 深度:水温     | 深度:水温     | 深度:水温     | 深度:水温     | 深度:水温    | 深度:水温 | 深度:水温 |       |
| 0      | 23.3      | 23.3               | 23.4      | 23.3      | 23.3      | 23.2      | 22.9      | 22.2      | 22.1      | 22.1      | 22.1     |       |       |       |
| 10     | 13:23.28  | 23.30              | 23.38     | 23.62     | 23.17     | 23.02     | 22.74     | 22.07     | 21.82     | 22.06     | 22.06    |       |       |       |
| 20     | 22:23.06  | 23.21              | 23.31     | 23.52     | 23.09     | 22.91     | 22.70     | 22.07     | 21.72     | 21.71     | 21.71    |       |       |       |
| 30     | 32:22.11  | 22.94              | 23.30     | 23.56     | 23.07     | 22.69     | 22.33     | 22.07     | 21.70     | 21.59     | 21.59    |       |       |       |
| 50     | 52:21.59  | 22.14              | 22.81     | 23.38     | 22.38     | 22.07     | 21.56     | 21.59     | 21.22     |           |          |       |       |       |
| 75     | 83:21.01  | 21.16              | 89        | 22.09     | 91        | 21.86     | 78:22.04  | 82:21.18  | 82:20.94  | 84        | 20.96    |       |       |       |
| 100    | 106:20.79 | 111                | 21.07     | 111       | 21.64     | 111       | 21.38     | 102:21.55 | 105:20.81 | 107:20.66 | 108      | 20.88 |       |       |
| 150    | 153:20.24 | 153                | 20.02     | 155       | 20.98     | 150       | 20.58     | 151:20.41 | 152:20.37 | 155:20.38 | 156      | 20.47 |       |       |
| 200    | 19.64     | 196                | 18.64     | 200       | 19.45     | 190       | 19.46     | 200:18.58 | 198       | 19.40     | 204      | 20.18 | 205   | 20.22 |
| 300    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 400    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 500    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 600    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 0      | 34805     | 34787              | 34760     | 34805     | 34823     | 34792     | 34772     | 34792     | 34792     | 34792     | 34772    |       |       |       |
| 10     | .805      | .742               | .760      | .792      | .814      | .787      | .823      | .763      | .763      | .763      | .792     |       |       |       |
| 20     | .760      | .783               | .772      | .792      | .804      | .792      | .801      | .763      | .763      | .763      | .792     |       |       |       |
| 30     | .713      | .780               | .769      | .783      | .783      | .792      | .787      | .763      | .783      | .783      | .780     |       |       |       |
| 50     | .751      | .805               | .769      | .783      | .783      | .783      | .796      | .763      | .801      |           |          |       |       |       |
| 75     | .763      | .805               | .769      | .783      | .810      | .760      | .796      | .727      |           |           |          |       |       |       |
| 100    | .772      | .823               | .814      | .783      | .828      | .814      | .796      | .763      |           |           |          |       |       |       |
| 150    | .814      | .874               | .810      | .865      | .894      | .810      | .819      | .763      |           |           |          |       |       |       |
| 200    | .814      | .865               | .942      | .939      | .921      | .897      | .819      | .763      |           |           |          |       |       |       |
| 300    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 400    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 500    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 600    |           |                    |           |           |           |           |           |           |           |           |          |       |       |       |
| 0      | 233       | 233                | 234       | 233       | 233       | 232       | 229       | 222       | 221       | 221       | 221      |       |       |       |
| 10     | 2329      | 2330               | 2338      | 2362      | 2317      | 2302      | 2274      | 2207      | 2182      | 2206      | 2206     |       |       |       |
| 20     | 2310      | 2321               | 2331      | 2352      | 2309      | 2291      | 2270      | 2207      | 2172      | 2172      | 2171     |       |       |       |

|                 |                 |       |       |       |       |       |       |       |       |       |       |
|-----------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 所               | 30              | 2216  | 2294  | 2330  | 3356  | 2307  | 2269  | 2233  | 2207  | 2270  | 2159  |
| 温               | 50              | 2164  | 2214  | 2281  | 2338  | 2238  | 2207  | 2156  | 2159  | 2122  |       |
| (°C)            | 75              | 2110  | 2116  | 2252  | 2222  | 2205  | 2126  | 2102  | 2100  |       |       |
| 定               | 100             | 2085  | 2110  | 2180  | 2167  | 2157  | 2090  | 2070  | 2090  |       |       |
|                 | 150             | 2025  | 2011  | 2110  | 2058  | 2041  | 2038  | 2040  | 2055  |       |       |
|                 | 200             | 1964  |       | 1945  |       | 1858  |       | 2018  | 2023  |       |       |
|                 | 300             |       |       |       |       |       |       |       |       |       |       |
|                 | 400             |       |       |       |       |       |       |       |       |       |       |
|                 | 500             |       |       |       |       |       |       |       |       |       |       |
|                 | 600             |       |       |       |       |       |       |       |       |       |       |
| 層               | 0               | 34805 | 34787 | 34760 | 34805 | 34823 | 34792 | 34772 | 34792 | 34792 | 34772 |
|                 | 10              | .805  | .742  | .760  | .792  | .814  | .787  | .823  | .763  | .763  | .792  |
|                 | 20              | .770  | .783  | .772  | .792  | .804  | .792  | .801  | .763  | .763  | .792  |
|                 | 30              | .716  | .780  | .769  | .783  | .783  | .792  | .787  | .763  | .783  | .780  |
|                 | 50              | .748  | .805  | .769  | .783  | .783  | .783  | .796  | .763  | .801  |       |
|                 | 75              | .760  | .805  | .769  | .783  | .808  | .767  | .796  | .732  |       |       |
|                 | 100             | .770  | .815  | .780  | .783  | .827  | .812  | .796  | .760  |       |       |
|                 | 150             | .813  | .872  | .810  | .865  | .894  | .810  | .819  | .763  |       |       |
|                 | 200             | .814  |       | .942  | .921  |       |       | .819  | .763  |       |       |
|                 | 300             |       |       |       |       |       |       |       |       |       |       |
|                 | 400             |       |       |       |       |       |       |       |       |       |       |
|                 | 500             |       |       |       |       |       |       |       |       |       |       |
|                 | 600             |       |       |       |       |       |       |       |       |       |       |
| ネット種類           | ④               |       |       |       |       |       |       |       |       | ④     |       |
| 採集水層            | 0               |       |       |       |       |       |       |       |       | 0     |       |
| 曳網時間(分)         | 5               |       |       |       |       |       |       |       |       | 5     |       |
| 海深 (m)          |                 |       |       |       |       |       |       |       |       |       |       |
| 水色・透明度(m)       | 3・27            | 3・28  | 2・27  | 2・28  | 2・37  | 2・34  | 2・29  | 3・26  | —     | —     | —     |
| 流向・流速           |                 |       |       |       |       |       |       |       |       |       |       |
| 波浪・ウネリ          | 2・2             | 3・3   | 3・3   | 3・3   | 3・3   | 3・3   | 3・3   | 3・3   | 3・3   | 2・2   | 1・2   |
| 風向・風力           | SSE2            | SSE4  | SSE4  | SSE4  | SW4   | SW4   | SW4   | SW4   | SW4   | SW3   | S4    |
| 気温              | 224             | 241   | 260   | —     | 239   | 250   | 243   | 242   | 238   | 238   | 265   |
| 雲量              | 8               | 7     | 7     | 7     | 3     | 4     | 9     | 9     | 9     | 9     | 7     |
| 天気              | bc              | bc    | bc    | bc    | bc    | bc    | bc    | C     | C     | C     | bc    |
| 気圧 (mb)         |                 |       |       |       |       |       |       |       |       |       |       |
| 船名(トン数、馬力)      | 調査員 観測表 揚 利 友 利 |       |       |       |       |       |       |       |       |       |       |
| くろしお(21.44 100) | 川崎 吉川 比嘉幸一      |       |       |       |       |       |       |       |       |       |       |
|                 | サリノメーター         |       |       |       |       |       |       |       |       |       |       |