

沿岸定線観測結果 (2021-9月)

三重県水産研究所

調査海域 熊野灘
調査年月日 2021年9月9-10日
調査船 あさま (79トン)
調査員 笹木 大地

調査結果

調査時の水温は、表面では 25.9~27.8℃、50m では 20.1~24.1℃、100m では 16.1~17.8℃、200m では 11.2~13.4℃の範囲にあった。表面ではおおむね平年並みで、南部沖合ではやや高めであった。また、20m 以深の水温は平年より高く、特に 20m、50m の 17 点 (Stns. 29, 30 以外の観測点) 平均水温は平年より 2℃以上も高いなど、暖水の影響がみられた。

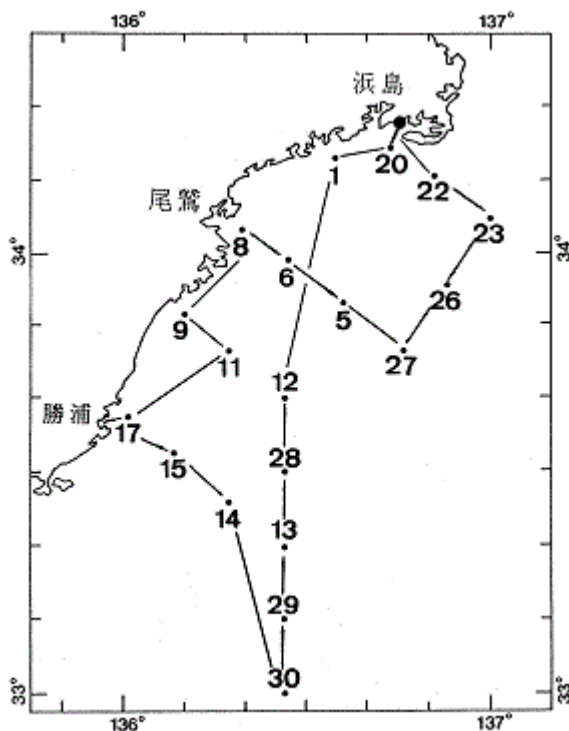
塩分は、表面では 31.19~33.83、20m では 31.95~33.86、200m では 34.37~34.49 の範囲にあった。沿岸の表面から 50m では、降雨の影響もあっておおむね平年より低めであった。一方、100m では沿岸の測点で平年より高めの塩分が目立った。

観測時の黒潮は、遠州灘沖で 30° N 付近に達する大蛇行流路(A型)であった。このため、観測では黒潮に達しなかった。沖合の表面では暖水が南へ流れており、2kt 近い流れが観測された。

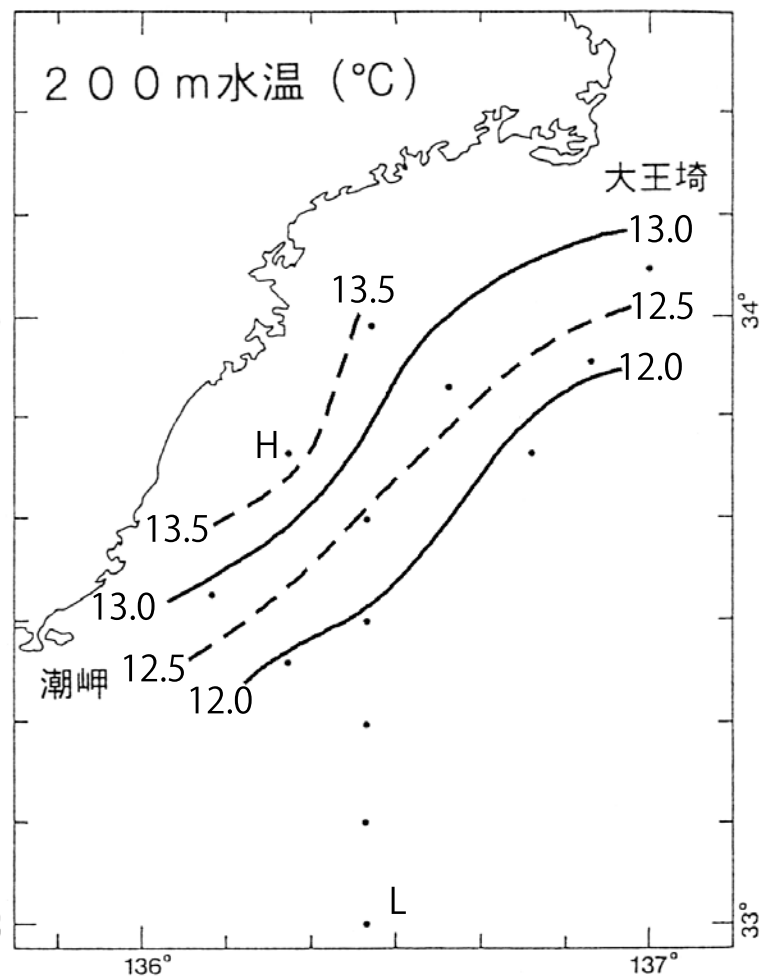
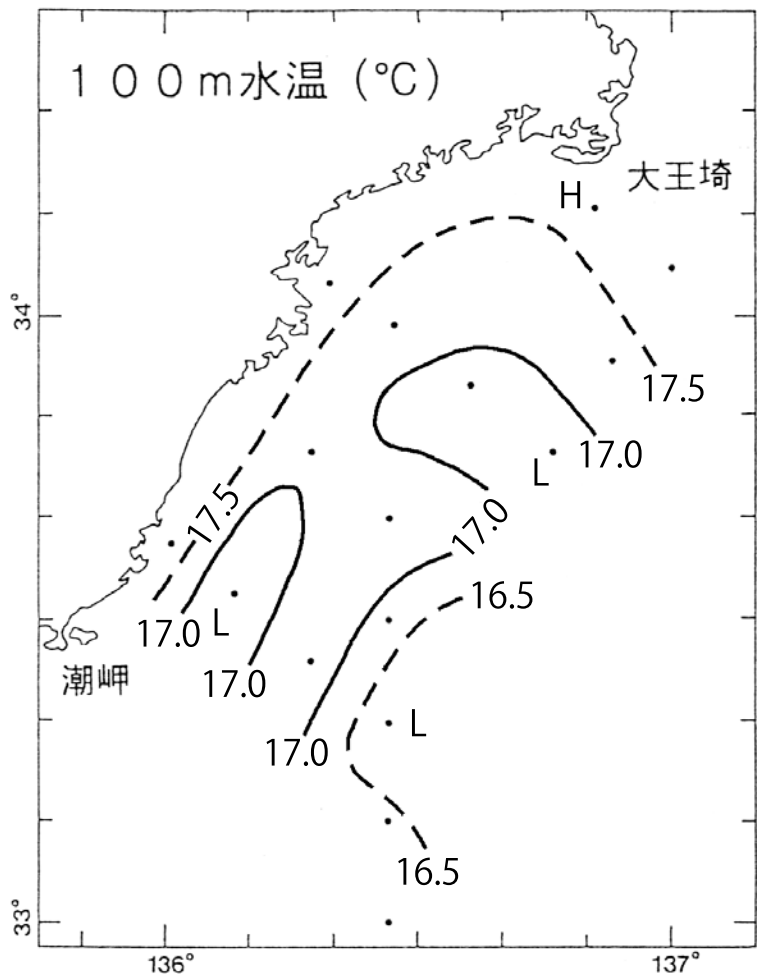
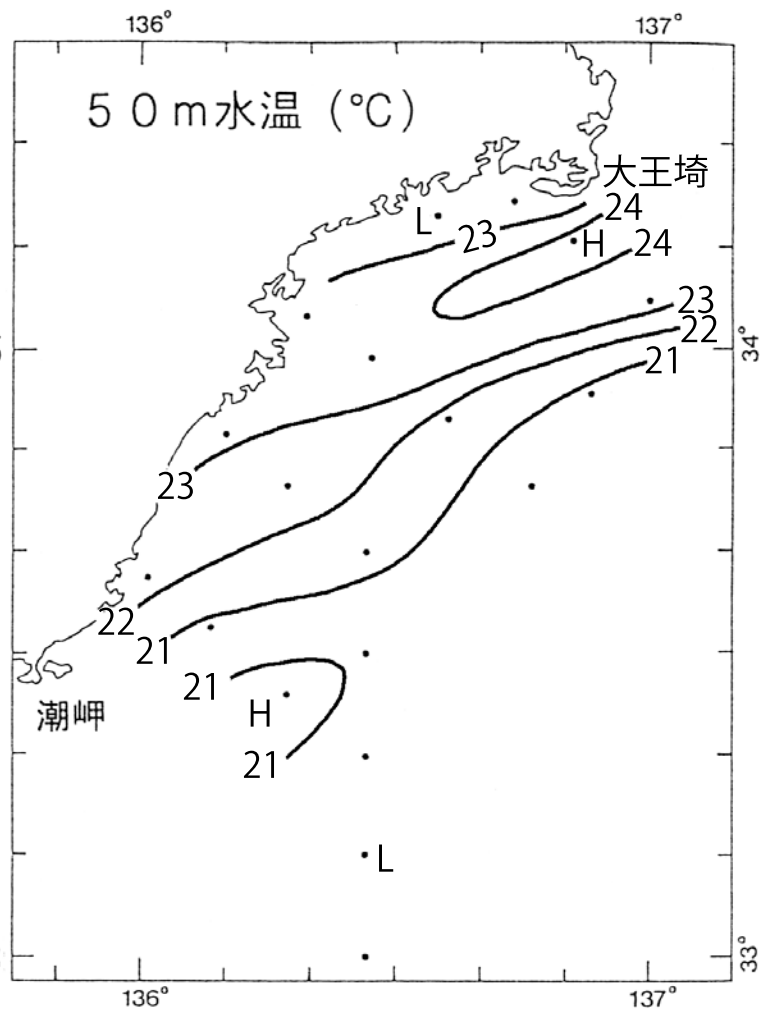
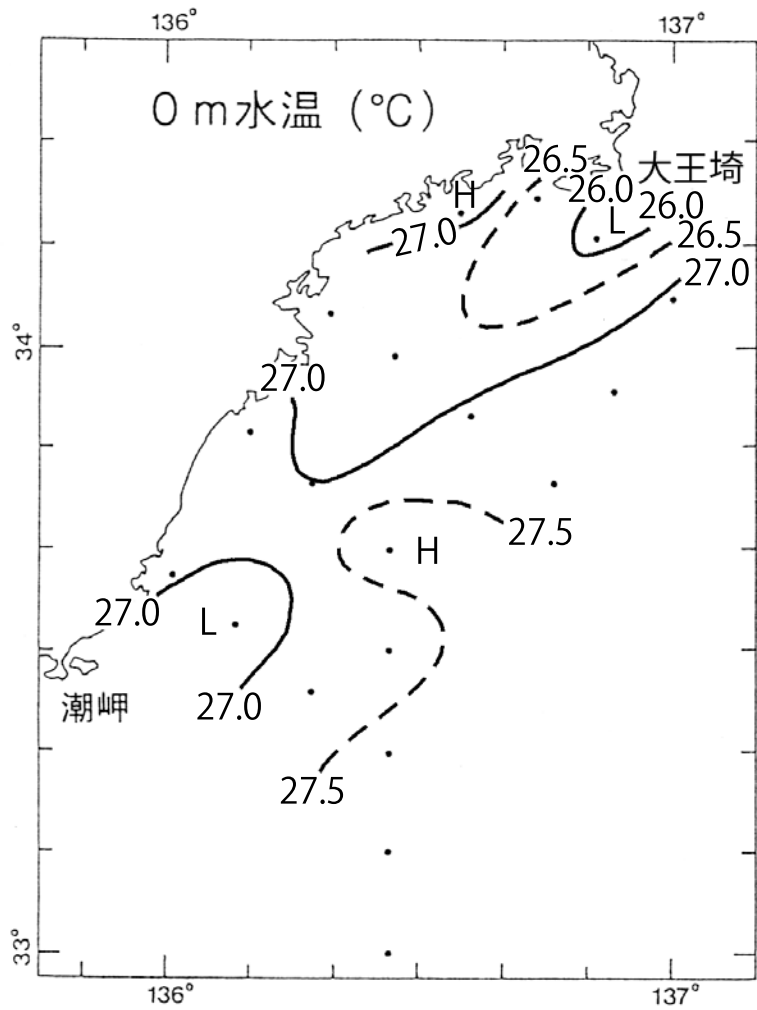
===== 使用観測機器 =====

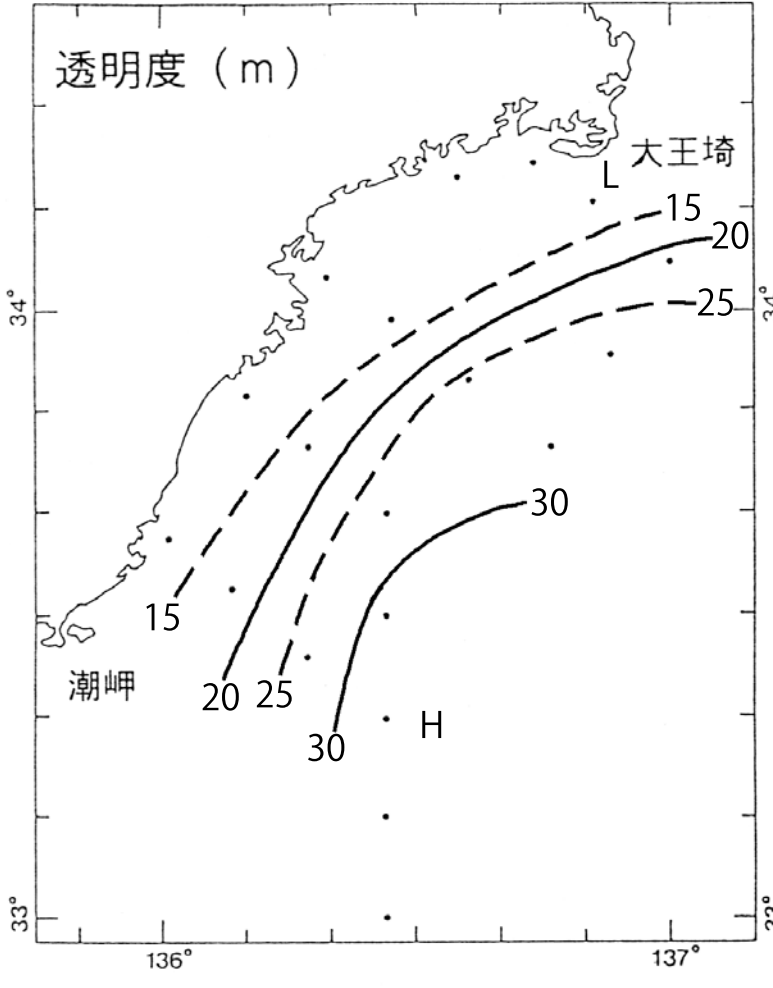
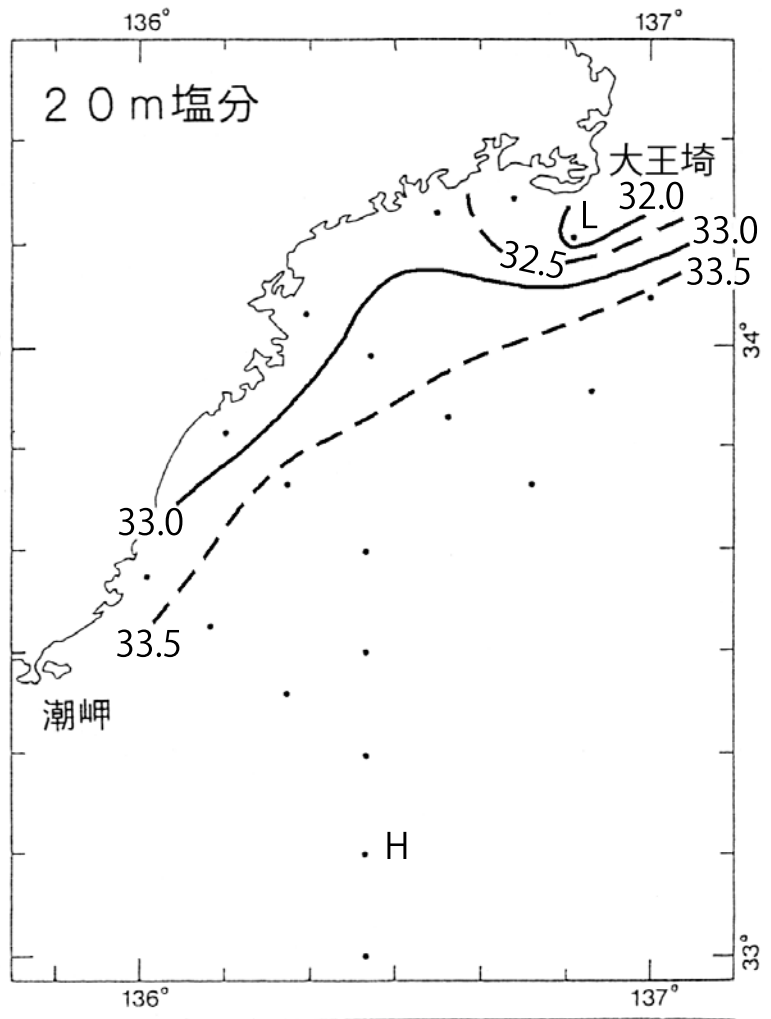
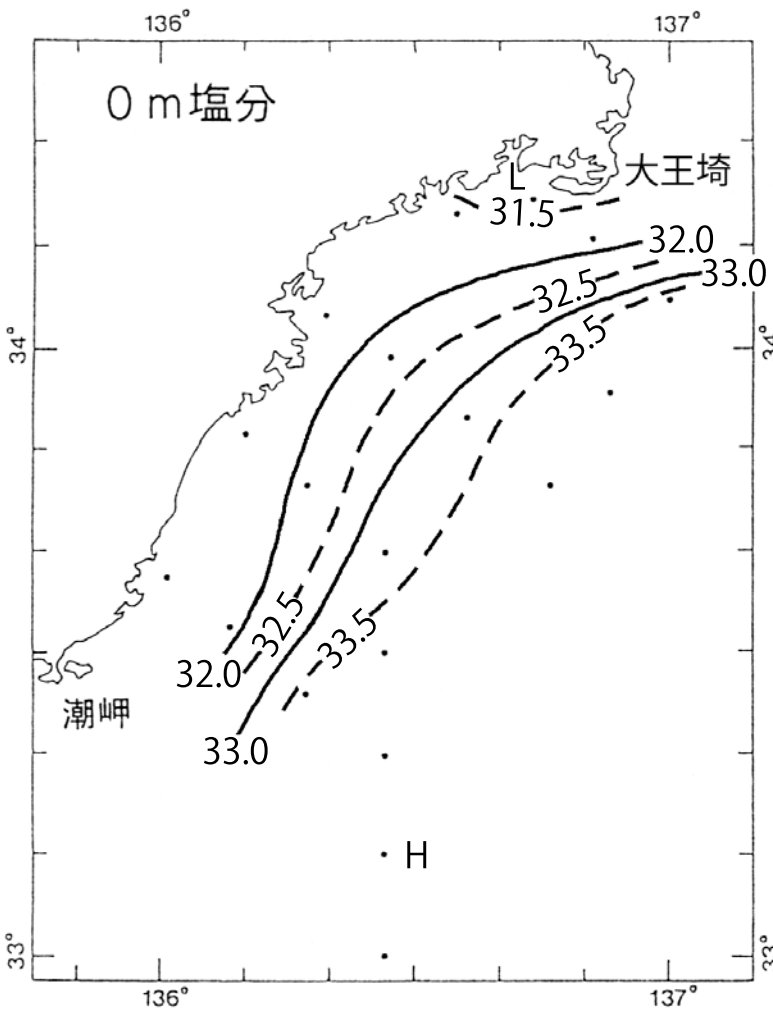
- ・ 水温、塩分、DO、クロロフィル
CTD : SeaBird 社製 SBE-9plus
: 鶴見精機製 XCTD
- DO : SeaBird 社製 SBE43
- クロロフィル : WetLab 社製 Eco-AFL
- ・ 流向流速計
ADCP : RD社製 300kHz

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沿岸定線図





沿岸定線観測結果 (令和3年9月分)

調査員: 笹木 大地・井上 勇人

| 測点 | | | 1 | | 5 | | 6 | | 8 | | 9 | | 11 | | 12 | | |
|-------|-------|-------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|--------|
| 年 | 月 | 日 | 21/09/10 | | 21/09/09 | | 21/09/09 | | 21/09/09 | | 21/09/09 | | 21/09/09 | | 21/09/10 | | |
| 時 | 刻 | | 16:23 | | 12:26 | | 13:09 | | 13:52 | | 14:44 | | 15:16 | | 13:58 | | |
| | | | -16:28 | | -12:38 | | -13:29 | | -13:58 | | -14:49 | | -15:26 | | -14:28 | | |
| 緯 | 度 | (N) | 34° 13.21 | | 33° 52.90 | | 33° 59.00 | | 34° 03.71 | | 33° 51.64 | | 33° 46.69 | | 33° 40.22 | | |
| 経 | 度 | (E) | 136° 34.81 | | 136° 36.21 | | 136° 26.69 | | 136° 19.26 | | 136° 09.84 | | 136° 17.11 | | 136° 26.24 | | |
| 水 | 深 | | 98m | | | | 610m | | 112m | | 94m | | 1538m | | 2063m | | |
| 色 | | | 5 | | 3 | | 4 | | 5 | | 5 | | 5 | | 3 | | |
| 傾 | 角 / 透 | 明 | 16 / 11.0 | | 41 / 28.0 | | 18 / 13.0 | | 19 / 13.0 | | 3 / 13.0 | | 25 / 17.0 | | 41 / 28.0 | | |
| 風 | う | ね | E 3 | | N 4 | | N 3 | | E 3 | | SE 3 | | E 3 | | ENE 3 | | |
| 浪 | | | SE 1 | | N 3 | | S 1 | | S 1 | | S 1 | | SE 1 | | SE 2 | | |
| 気 | 温 | | 31.2°C | | 29.2°C | | 29.6°C | | 30.9°C | | 29.0°C | | 30.2°C | | 31.5°C | | |
| 天 | 気 | | BC | | BC | | BC | | BC | | BC | | BC | | BC | | |
| 雲 | 形・雲 | 量 | SC CU 6 | | AC CU 4 | | AC CU 5 | | AC CU 4 | | AC CU 4 | | AC CU 4 | | AC CU 3 | | |
| 風 | 向 (風 | 力) | S(2) | | NE(3) | | E(2) | | SSE(2) | | SSW(2) | | S(1) | | SE(2) | | |
| 気 | 圧 | (hPa) | 1013.1 | | 1011.1 | | 1011.0 | | 1010.8 | | 1011.2 | | 1011.2 | | 1012.6 | | |
| 流 | 速 | 10m | 236 | 0.5 | 234 | 1.2 | 250 | 1.3 | 2 | 0.7 | 208 | 0.5 | 214 | 0.8 | 263 | 0.7 | |
| | | 20m | 215 | 0.3 | 234 | 1.2 | 233 | 1.0 | 15 | 0.3 | 247 | 0.5 | 233 | 1.1 | 259 | 0.6 | |
| | | 30m | 246 | 0.4 | 234 | 1.1 | 239 | 1.1 | 46 | 0.2 | 219 | 0.6 | 233 | 1.1 | 220 | 0.6 | |
| | | 40m | 144 | 0.2 | 229 | 1.1 | 235 | 1.3 | 169 | 0.4 | 228 | 0.4 | 234 | 1.0 | 222 | 0.7 | |
| | | 50m | 104 | 0.4 | 240 | 0.8 | 233 | 1.2 | 55 | 0.5 | 243 | 0.5 | 214 | 0.8 | 229 | 1.0 | |
| (度) | (Kt) | | | | | | | | | | | | | | | | |
| 水 | 温 | 0m | 27.31 | 31.880 | 27.02 | 33.456 | 26.60 | 32.114 | 26.84 | 31.850 | 27.10 | 31.860 | 27.00 | 32.029 | 27.77 | 33.390 | |
| | | 10m | 26.79 | 32.204 | 27.01 | 33.646 | 26.46 | 32.161 | 26.22 | 32.013 | 26.97 | 32.754 | 26.79 | 32.976 | 27.42 | 33.598 | |
| | | 20m | 26.71 | 32.882 | 26.98 | 33.691 | 26.73 | 33.215 | 26.47 | 32.540 | 26.65 | 32.893 | 27.08 | 33.857 | 27.36 | 33.640 | |
| | | 30m | 26.08 | 33.369 | 25.99 | 33.999 | 25.46 | 33.514 | 26.81 | 33.180 | 25.80 | 33.565 | 27.05 | 33.879 | 26.80 | 33.902 | |
| | | 50m | 22.31 | 34.278 | 21.72 | 34.442 | 23.95 | 34.034 | 23.25 | 34.163 | 23.01 | 34.228 | 22.49 | 34.361 | 21.71 | 34.450 | |
| | | 75m | 19.39 | 34.562 | 18.73 | 34.624 | 19.55 | 34.578 | 19.76 | 34.570 | 21.77 | 34.386 | 18.79 | 34.621 | 19.16 | 34.606 | |
| | | 100m | | | 16.89 | 34.658 | 17.20 | 34.648 | 17.67 | 34.631 | | | 17.08 | 34.657 | 17.42 | 34.650 | |
| | | 125m | | | 15.50 | 34.600 | 16.40 | 34.630 | | | | | 16.10 | 34.632 | 16.07 | 34.626 | |
| | | 150m | | | 14.72 | 34.556 | 15.54 | 34.599 | | | | | 15.27 | 34.591 | 14.69 | 34.554 | |
| | | 175m | | | 13.88 | 34.509 | 14.07 | 34.520 | | | | | 14.39 | 34.541 | 13.48 | 34.491 | |
| | | 200m | | | 12.61 | 34.441 | 13.47 | 34.491 | | | | | 13.56 | 34.493 | 12.43 | 34.433 | |
| | | 250m | | | 10.59 | 34.344 | 10.93 | 34.362 | | | | | 11.44 | 34.386 | 10.77 | 34.356 | |
| | | 300m | | | | 8.98 | 34.282 | 9.49 | 34.291 | | | | | 9.66 | 34.306 | 8.93 | 34.291 |
| | | 400m | | | | | | 7.87 | 34.261 | | | | | | | 6.98 | 34.255 |
| | | 500m | | | | | | 6.37 | 34.241 | | | | | | | 5.74 | 34.258 |
| 600m | | | | | | | | | | | | | | 5.03 | 34.291 | | |
| 700m | | | | | | | | | | | | | | 4.31 | 34.331 | | |
| 800m | | | | | | | | | | | | | | 3.97 | 34.366 | | |
| 900m | | | | | | | | | | | | | | 3.60 | 34.399 | | |
| 1000m | | | | | | | | | | | | | | 3.36 | 34.425 | | |
| D | O | 0m | 6.88 | 0.53 | 6.52 | 0.00 | 6.56 | 0.25 | 6.62 | 0.34 | 6.60 | 0.29 | 6.61 | 0.00 | 7.53 | 0.00 | |
| | | 10m | 6.74 | 0.49 | 6.49 | 0.00 | 6.54 | 0.47 | 6.64 | 0.73 | 6.55 | 0.43 | 6.58 | 0.00 | 6.43 | 0.00 | |
| | | 20m | 6.32 | 0.74 | 6.53 | 0.00 | 6.42 | 0.54 | 6.46 | 0.30 | 6.41 | 0.50 | 6.49 | 0.00 | 6.45 | 0.00 | |
| | | 30m | 6.24 | 0.53 | 6.85 | 0.00 | 6.14 | 0.56 | 6.41 | 0.60 | 6.19 | 0.54 | 6.48 | 0.00 | 6.77 | 0.00 | |
| | | 50m | 6.34 | 0.10 | 7.34 | 0.32 | 6.30 | 0.11 | 6.30 | 0.23 | 6.28 | 0.20 | 6.64 | 0.76 | 6.77 | 1.51 | |
| | | 75m | 6.01 | 0.00 | 6.32 | 0.25 | 6.14 | 0.09 | 6.13 | 0.00 | 6.33 | 0.07 | 5.89 | 0.07 | 5.97 | 0.40 | |
| | | 100m | | | 5.90 | 0.00 | 5.79 | 0.00 | 5.80 | 0.00 | | | 5.83 | 0.00 | 5.87 | 0.02 | |
| | | 125m | | | 5.62 | 0.00 | 5.69 | 0.00 | | | | | 5.73 | 0.00 | 5.69 | 0.00 | |
| | | 150m | | | 5.49 | 0.00 | 5.57 | 0.00 | | | | | 5.60 | 0.00 | 5.53 | 0.00 | |
| | | 175m | | | 5.38 | 0.00 | 5.40 | 0.00 | | | | | 5.47 | 0.00 | 5.30 | 0.00 | |
| | | 200m | | | 5.18 | 0.00 | 5.29 | 0.00 | | | | | 5.33 | 0.00 | 5.12 | 0.00 | |
| | | 250m | | | 4.65 | 0.00 | 4.74 | 0.00 | | | | | 4.89 | 0.00 | 4.72 | 0.00 | |
| | | 300m | | | 4.15 | 0.00 | 4.41 | 0.00 | | | | | 4.42 | 0.00 | 4.15 | 0.00 | |
| | | 400m | | | | | 3.75 | 0.00 | | | | | | | 3.38 | 0.00 | |
| | | 500m | | | | | 3.13 | 0.00 | | | | | | | 2.79 | 0.00 | |
| 600m | | | | | | | | | | | | | 2.44 | 0.00 | | | |
| 700m | | | | | | | | | | | | | 2.16 | 0.00 | | | |
| 800m | | | | | | | | | | | | | 2.08 | 0.00 | | | |
| 900m | | | | | | | | | | | | | 2.02 | 0.00 | | | |
| 1000m | | | | | | | | | | | | | 2.03 | 0.00 | | | |

注) 緯度、経度は世界測地系による。

沿岸定線観測結果 (令和3年9月分)

調査員: 笹木 大地・井上 勇人

| 測点 | | | 13 | | 14 | | 15 | | 17 | | 20 | | 22 | | 23 | | | | |
|-------|-------|--------|------------|------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|-------|--------|------|
| 年 | 月 | 日 | 21/09/10 | | 21/09/10 | | 21/09/10 | | 21/09/09 | | 21/09/09 | | 21/09/09 | | 21/09/09 | | | | |
| 時 | 刻 | | 12:32 | | 08:34 | | 07:51 | | 16:15 | | 07:49 | | 08:20 | | 08:59 | | | | |
| | | | -12:43 | | -08:46 | | -08:03 | | -16:20 | | -07:56 | | -08:28 | | -09:34 | | | | |
| 緯 | 度 | (N) | 33° 19.79 | | 33° 26.20 | | 33° 32.65 | | 33° 37.77 | | 34° 14.65 | | 34° 10.62 | | 34° 04.46 | | | | |
| 経 | 度 | (E) | 136° 26.25 | | 136° 17.12 | | 136° 07.99 | | 136° 00.74 | | 136° 43.35 | | 136° 50.77 | | 136° 59.79 | | | | |
| 水 | 深 | | 2015m | | 1945m | | 1447m | | 108m | | 60m | | 133m | | 1359m | | | | |
| 色 | 度 | | 3 | | 3 | | 4 | | 5 | | 4 | | 4 | | 3 | | | | |
| 傾 | 角 / 透 | 明 | 40 / 32.0 | | 25 / 27.0 | | 33 / 17.0 | | 9 / 12.0 | | 37 / 13.0 | | 41 / 10.0 | | 57 / 23.0 | | | | |
| 風 | ね | 浪 | E 3 | | ENE 3 | | NE 3 | | SE 3 | | NW 3 | | N 3 | | NNW 4 | | | | |
| う | | り | SE 2 | | SE 2 | | E 2 | | S 1 | | S 3 | | S 3 | | S 1 | | | | |
| 気 | 温 | | 31.0°C | | 28.2°C | | 27.2°C | | 29.4°C | | 24.9°C | | 25.4°C | | 26.7°C | | | | |
| 天 | 気 | | BC | | BC | | BC | | BC | | BC | | BC | | C | | | | |
| 雲 | 形・雲 | 量 | CU 4 | | SC CB 4 | | SC CU 5 | | AC CU 5 | | SC CU 6 | | SC CU 6 | | SC CU 8 | | | | |
| 風 | 向 (風 | 力) | E (2) | | E (2) | | NNE (3) | | S (2) | | NNW (4) | | NNW (5) | | NNW (5) | | | | |
| 気 | 圧 | (hPa) | 1013.0 | | 1013.5 | | 1013.7 | | 1011.6 | | 1011.0 | | 1011.2 | | 1011.5 | | | | |
| 流 | 速 | 10m | 175 | 0.3 | 212 | 1.6 | 193 | 1.7 | 193 | 1.2 | 42 | 0.4 | 214 | 1.4 | 198 | 0.8 | | | |
| | | 20m | 155 | 0.2 | 205 | 1.5 | 182 | 1.4 | 215 | 1.2 | 57 | 0.5 | 232 | 1.1 | 209 | 0.6 | | | |
| | | 30m | 167 | 0.1 | 204 | 1.4 | 198 | 1.6 | 207 | 1.3 | 84 | 0.4 | 244 | 1.0 | 193 | 0.4 | | | |
| | | 40m | 270 | 0.3 | 195 | 1.3 | 203 | 1.4 | 210 | 1.3 | 120 | 0.1 | 242 | 1.2 | 224 | 0.6 | | | |
| | | 50m | 243 | 0.4 | 205 | 1.2 | 209 | 1.5 | 215 | 1.3 | 171 | 0.5 | 244 | 0.9 | 219 | 0.4 | | | |
| 水 | 温 | (°C) | (PSU) | 0m | 27.73 | 33.830 | 27.34 | 33.696 | 26.74 | 31.911 | 27.02 | 31.736 | 26.16 | 31.193 | 25.87 | 31.699 | 27.06 | 33.808 | |
| | | | | 10m | 27.37 | 33.825 | 27.34 | 33.730 | 26.79 | 32.903 | 27.00 | 32.277 | 26.46 | 32.057 | 26.10 | 31.839 | 27.06 | 33.808 | |
| | | | | 20m | 27.34 | 33.826 | 27.34 | 33.773 | 26.87 | 33.753 | 26.99 | 33.399 | 26.30 | 32.294 | 26.29 | 31.946 | 27.07 | 33.814 | |
| | | | | 30m | 24.10 | 34.210 | 27.33 | 33.838 | 24.59 | 33.947 | 25.75 | 33.843 | 25.98 | 33.051 | 26.66 | 33.210 | 27.08 | 33.826 | |
| | | | | 50m | 20.25 | 34.542 | 21.28 | 34.467 | 20.84 | 34.513 | 22.76 | 34.254 | 22.35 | 34.211 | 24.09 | 34.078 | 23.23 | 34.311 | |
| | | | | 75m | 18.11 | 34.623 | 19.16 | 34.608 | 18.40 | 34.643 | 19.80 | 34.541 | | | 20.86 | 34.475 | 19.02 | 34.609 | |
| | | | | 100m | 16.10 | 34.609 | 17.34 | 34.630 | 16.80 | 34.646 | 17.67 | 34.624 | | | 17.75 | 34.640 | 17.75 | 34.651 | |
| | | | | 125m | 14.43 | 34.538 | 15.84 | 34.593 | 15.96 | 34.617 | | | | | 16.81 | 34.634 | 16.32 | 34.621 | |
| | | | | 150m | 13.36 | 34.484 | 13.58 | 34.494 | 15.14 | 34.578 | | | | | | | 14.90 | 34.564 | |
| | | | | 175m | 12.61 | 34.445 | 12.31 | 34.430 | 14.06 | 34.523 | | | | | | | 13.97 | 34.517 | |
| | | | | 200m | 11.81 | 34.403 | 11.17 | 34.374 | 12.95 | 34.461 | | | | | | | 12.88 | 34.460 | |
| | | | | 250m | 10.25 | 34.333 | 10.02 | 34.332 | 11.36 | 34.381 | | | | | | | 10.75 | 34.353 | |
| | | | | 300m | 8.75 | 34.277 | 8.62 | 34.258 | 9.16 | 34.277 | | | | | | | 9.40 | 34.300 | |
| | | | | 400m | | | | | | | | | | | | | 7.39 | 34.250 | |
| | | | | 500m | | | | | | | | | | | | | 5.96 | 34.258 | |
| 600m | | | | | | | | | | | | | 5.27 | 34.273 | | | | | |
| 700m | | | | | | | | | | | | | 4.80 | 34.297 | | | | | |
| 800m | | | | | | | | | | | | | 4.18 | 34.339 | | | | | |
| 900m | | | | | | | | | | | | | 3.80 | 34.382 | | | | | |
| 1000m | | | | | | | | | | | | | 3.45 | 34.413 | | | | | |
| D | O | (mg/l) | クロロ | フィル | 0m | 6.45 | 0.00 | 6.44 | 0.00 | 6.57 | 0.00 | 6.74 | 0.64 | 6.43 | 0.33 | 6.33 | 0.38 | 6.41 | 0.00 |
| | | | | | 10m | 6.47 | 0.00 | 6.44 | 0.00 | 6.50 | 0.00 | 6.59 | 0.59 | 6.36 | 0.37 | 6.38 | 0.47 | 6.39 | 0.00 |
| | | | | | 20m | 6.46 | 0.00 | 6.45 | 0.00 | 6.46 | 0.08 | 6.42 | 0.37 | 6.04 | 0.25 | 6.46 | 0.30 | 6.45 | 0.00 |
| | | | | | 30m | 7.14 | 0.00 | 6.47 | 0.00 | 6.32 | 0.41 | 6.54 | 0.35 | 6.19 | 0.08 | 6.44 | 0.28 | 6.44 | 0.00 |
| | | | | | 50m | 7.10 | 0.69 | 6.64 | 1.16 | 6.10 | 0.40 | 6.35 | 0.22 | 6.25 | 0.05 | 6.16 | 0.34 | 6.67 | 2.17 |
| | | | | | 75m | 5.62 | 0.16 | 5.82 | 0.26 | 5.94 | 0.07 | 6.07 | 0.08 | | 0.00 | 6.08 | 0.00 | 6.60 | 0.22 |
| | | | | | 100m | 5.58 | 0.00 | 5.60 | 0.00 | 5.80 | 0.00 | 5.79 | 0.00 | | | 5.79 | 0.00 | 5.96 | 0.10 |
| | | | | | 125m | 5.45 | 0.00 | 5.49 | 0.00 | 5.67 | 0.00 | | | | | 5.69 | 0.00 | 5.64 | 0.00 |
| | | | | | 150m | 5.30 | 0.00 | 5.35 | 0.00 | 5.52 | 0.00 | | | | | | | 5.57 | 0.00 |
| | | | | | 175m | 5.15 | 0.00 | 5.09 | 0.00 | 5.38 | 0.00 | | | | | | | 5.37 | 0.00 |
| | | | | | 200m | 4.96 | 0.00 | 4.75 | 0.00 | 5.23 | 0.00 | | | | | | | 5.10 | 0.00 |
| | | | | | 250m | 4.58 | 0.00 | 4.48 | 0.00 | 4.86 | 0.00 | | | | | | | 4.70 | 0.00 |
| | | | | | 300m | 4.06 | 0.00 | 4.13 | 0.00 | 4.32 | 0.00 | | | | | | | 4.24 | 0.00 |
| | | | | | 400m | | | | | | | | | | | | | 3.55 | 0.00 |
| | | | | | 500m | | | | | | | | | | | | | 2.92 | 0.00 |
| 600m | | | | | | | | | | | | | 2.56 | 0.00 | | | | | |
| 700m | | | | | | | | | | | | | 2.33 | 0.00 | | | | | |
| 800m | | | | | | | | | | | | | 2.10 | 0.00 | | | | | |
| 900m | | | | | | | | | | | | | 2.02 | 0.00 | | | | | |
| 1000m | | | | | | | | | | | | | 2.01 | 0.00 | | | | | |

注) 緯度、経度は世界測地系による。

沿岸定線観測結果 (令和3年9月分)

調査員: 笹木 大地・井上 勇人

| 測点 | | | 26 | | 27 | | 28 | | 29 | | 30 | | | |
|-------|------|--------|------------|------|------------|--------|------------|--------|------------|--------|------------|--------|-------|--------|
| 年 | 月 | 日 | 21/09/09 | | 21/09/09 | | 21/09/10 | | 21/09/10 | | 21/09/10 | | | |
| 時 | 刻 | | 10:04 | | 11:20 | | 13:15 | | 11:51 | | 10:42 | | | |
| | | | -10:16 | | -11:32 | | -13:26 | | -12:02 | | -11:18 | | | |
| 緯度 | (N) | | 33° 55.54 | | 33° 46.76 | | 33° 30.01 | | 33° 10.22 | | 33° 00.22 | | | |
| 経度 | (E) | | 136° 52.81 | | 136° 45.75 | | 136° 26.21 | | 136° 26.24 | | 136° 26.34 | | | |
| 水深 | | | 1058m | | | | 2064m | | | | | | | |
| 透明度 | | | 3 | | 3 | | 3 | | 3 | | 3 | | | |
| 傾角 | / | 透明度 | 40 / 27.0 | | 40 / 28.0 | | 42 / 32.0 | | 49 / 32.0 | | 41 / 30.0 | | | |
| 風 | | 浪 | N 4 | | N 4 | | ENE 3 | | NE 3 | | ENE 3 | | | |
| うね | | り | N 1 | | N 3 | | SE 2 | | SE 2 | | SE 2 | | | |
| 気 | | 温 | 27.4°C | | 28.9°C | | 31.4°C | | 31.1°C | | 29.6°C | | | |
| 天 | | 気 | BC | | BC | | BC | | BC | | BC | | | |
| 雲 | 形 | 雲量 | SC CU 5 | | AC SC 4 | | AC CU 3 | | CU 4 | | CU 4 | | | |
| 風 | 向 | (風力) | N(3) | | NNE(3) | | E(2) | | E(2) | | E(2) | | | |
| 気 | 圧 | (hPa) | 1012.1 | | 1011.8 | | 1012.9 | | 1013.3 | | 1013.5 | | | |
| 流 | 向 | 10m | 205 | 1.2 | 234 | 1.2 | 252 | 0.8 | 243 | 0.6 | 228 | 0.7 | | |
| | | 20m | 216 | 1.2 | 242 | 1.1 | 251 | 0.7 | 220 | 0.5 | 213 | 0.3 | | |
| | | 30m | 224 | 0.8 | 252 | 0.9 | 233 | 0.4 | 311 | 0.2 | 58 | 0.2 | | |
| | | 40m | 222 | 0.4 | 236 | 0.6 | 225 | 0.5 | 317 | 0.2 | 137 | 0.2 | | |
| | | 50m | 255 | 0.5 | 246 | 0.8 | 250 | 0.5 | 213 | 0.3 | 224 | 0.2 | | |
| (度) | (Kt) | | | | | | | | | | | | | |
| 水 | 温 | (°C) | (PSU) | 0m | 27.18 | 33.802 | 27.36 | 33.581 | 27.28 | 33.633 | 27.71 | 33.804 | 27.55 | 33.590 |
| | | | | 10m | 27.17 | 33.799 | 27.33 | 33.584 | 26.85 | 33.634 | 27.33 | 33.803 | 27.33 | 33.625 |
| | | | | 20m | 27.19 | 33.832 | 27.29 | 33.606 | 26.75 | 33.645 | 27.30 | 33.802 | 27.23 | 33.687 |
| | | | | 30m | 24.27 | 34.199 | 24.85 | 34.075 | 24.09 | 34.153 | 25.47 | 34.063 | 26.56 | 33.866 |
| | | | | 50m | 20.61 | 34.517 | 20.30 | 34.551 | 20.40 | 34.538 | 20.05 | 34.566 | 20.72 | 34.515 |
| | | | | 75m | 18.37 | 34.637 | 17.76 | 34.643 | 17.88 | 34.646 | 18.06 | 34.629 | 17.99 | 34.638 |
| | | | | 100m | 17.45 | 34.655 | 16.49 | 34.641 | 16.73 | 34.655 | 16.60 | 34.650 | 16.62 | 34.642 |
| | | | | 125m | 16.01 | 34.615 | 15.48 | 34.600 | 15.37 | 34.595 | 15.44 | 34.595 | 14.69 | 34.550 |
| | | | | 150m | 14.55 | 34.550 | 14.33 | 34.535 | 13.87 | 34.509 | 14.37 | 34.541 | 13.88 | 34.515 |
| | | | | 175m | 13.13 | 34.467 | 13.31 | 34.485 | 12.66 | 34.445 | 12.86 | 34.455 | 12.75 | 34.451 |
| | | | | 200m | 12.01 | 34.414 | 11.58 | 34.393 | 11.93 | 34.409 | 11.74 | 34.402 | 11.68 | 34.400 |
| | | | | 250m | 10.26 | 34.323 | 10.05 | 34.324 | 10.35 | 34.328 | 9.95 | 34.323 | 10.38 | 34.341 |
| | | | | 300m | 8.79 | 34.284 | 8.68 | 34.274 | 9.14 | 34.292 | 8.68 | 34.269 | 9.28 | 34.300 |
| | | | | 400m | | | | | | | | | 6.75 | 34.243 |
| | | | | 500m | | | | | | | | | 5.41 | 34.267 |
| | | | | 600m | | | | | | | | | 4.53 | 34.309 |
| 700m | | | | | | | | | 4.09 | 34.337 | | | | |
| 800m | | | | | | | | | 3.68 | 34.390 | | | | |
| 900m | | | | | | | | | 3.42 | 34.413 | | | | |
| 1000m | | | | | | | | | 3.14 | 34.439 | | | | |
| D | O | (mg/l) | クロロフィル | 0m | 6.44 | 0.00 | 6.45 | 0.00 | 6.50 | 0.00 | 6.45 | 0.00 | 6.48 | 0.16 |
| | | | | 10m | 6.44 | 0.00 | 6.47 | 0.00 | 6.53 | 0.00 | 6.45 | 0.00 | 6.47 | 0.00 |
| | | | | 20m | 6.42 | 0.00 | 6.51 | 0.00 | 6.55 | 0.00 | 6.43 | 0.00 | 6.53 | 0.00 |
| | | | | 30m | 6.84 | 0.10 | 7.04 | 0.00 | 7.31 | 0.00 | 7.07 | 0.00 | 6.81 | 0.00 |
| | | | | 50m | 6.32 | 0.59 | 5.96 | 1.08 | 6.30 | 1.37 | 6.46 | 1.23 | 6.45 | 0.73 |
| | | | | 75m | 5.86 | 0.10 | 5.73 | 0.08 | 5.75 | 0.20 | 5.64 | 0.15 | 6.37 | 0.11 |
| | | | | 100m | 5.71 | 0.06 | 5.72 | 0.00 | 5.89 | 0.00 | 5.82 | 0.00 | 5.81 | 0.00 |
| | | | | 125m | 5.64 | 0.00 | 5.58 | 0.00 | 5.60 | 0.00 | 5.60 | 0.00 | 5.48 | 0.00 |
| | | | | 150m | 5.44 | 0.00 | 5.45 | 0.00 | 5.39 | 0.00 | 5.48 | 0.00 | 5.31 | 0.00 |
| | | | | 175m | 5.30 | 0.00 | 5.21 | 0.00 | 5.14 | 0.00 | 5.21 | 0.00 | 5.06 | 0.00 |
| | | | | 200m | 5.02 | 0.00 | 4.92 | 0.00 | 5.00 | 0.00 | 4.94 | 0.00 | 4.86 | 0.00 |
| | | | | 250m | 4.64 | 0.00 | 4.52 | 0.00 | 4.66 | 0.00 | 4.43 | 0.00 | 4.57 | 0.00 |
| | | | | 300m | 4.09 | 0.00 | 4.04 | 0.00 | 4.19 | 0.00 | 4.11 | 0.00 | 4.24 | 0.00 |
| | | | | 400m | | | | | | | | | | |
| | | | | 500m | | | | | | | | | | |
| | | | | 600m | | | | | | | | | | |
| 700m | | | | | | | | | | | | | | |
| 800m | | | | | | | | | | | | | | |
| 900m | | | | | | | | | | | | | | |
| 1000m | | | | | | | | | | | | | | |

注) 緯度、経度は世界測地系による。