

沿岸定線観測結果 (2024-1月)

三重県水産研究所

調査海域 熊野灘
調査年月日 2024年1月17-18日
使用船 あさま (84トン)
調査員 駒田 文菜

調査結果

調査時の水温は、表面では17.6~19.8°C、50mでは17.4~19.7°C、100mでは16.7~18.2°C、200mでは10.8~14.5°Cの範囲にあった。水温は高め基調で、特に北部沖合や沿岸域でかなり高めであった。測点13, 29, 30を除いた測点のうち、多くの測点では、表面~50mは平年より1.5~3.0°C前後、100~200mでは平年より0.5~2.0°C前後高かった。測点13, 29, 30では、表面~20mは平年より1.5~2.5°C前後、50m以深では平年より1~5°C前後低めであった。

塩分は、表面で34.60~34.70、20mでは34.60~34.70、200mでは34.36~34.53の範囲にあり、0~50mでは、熊野灘北中部の沖合や沿岸域を中心に平年よりやや高かった。

観測時の黒潮は、遠州灘沖で31°N以南まで達する大蛇行流路(A型)であったため、調査では黒潮に達しなかった。

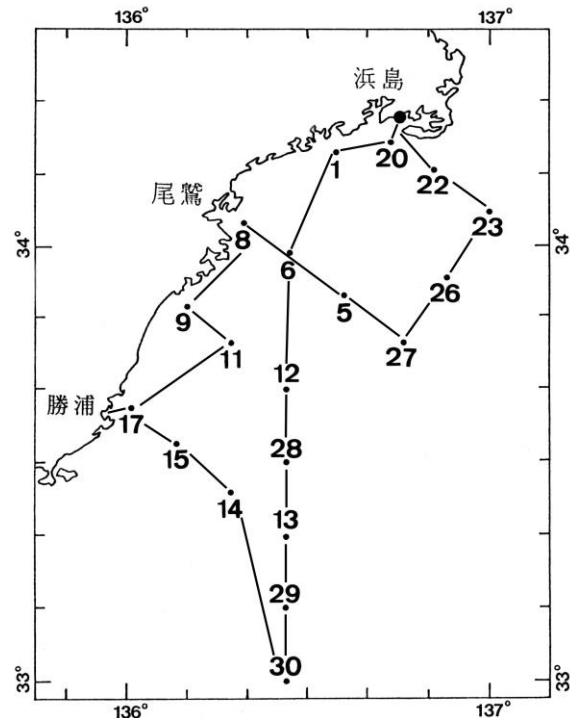
熊野灘には黒潮からの内側反流が波及しており、1~1.5kt前後の速さで南下していた。

==== 使用観測機器 =====

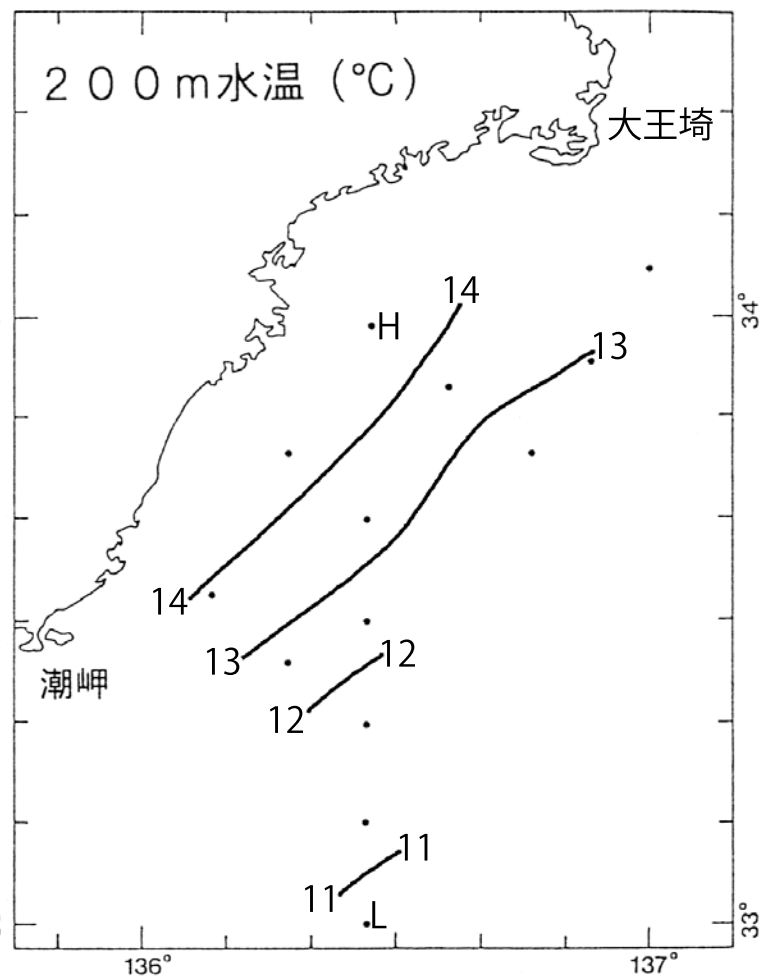
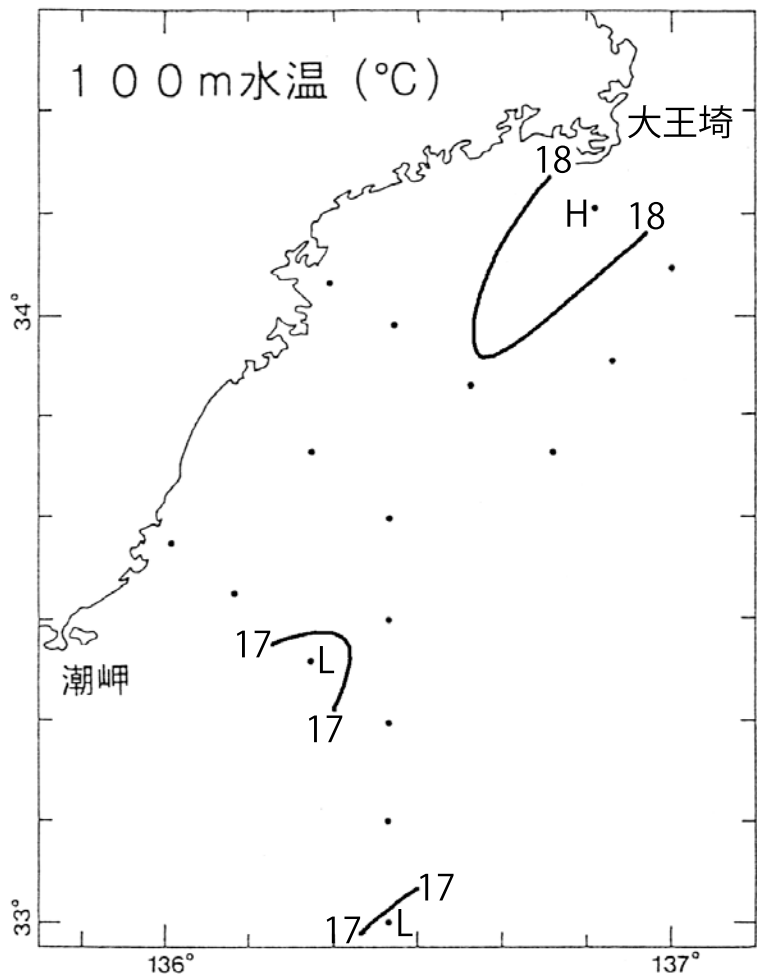
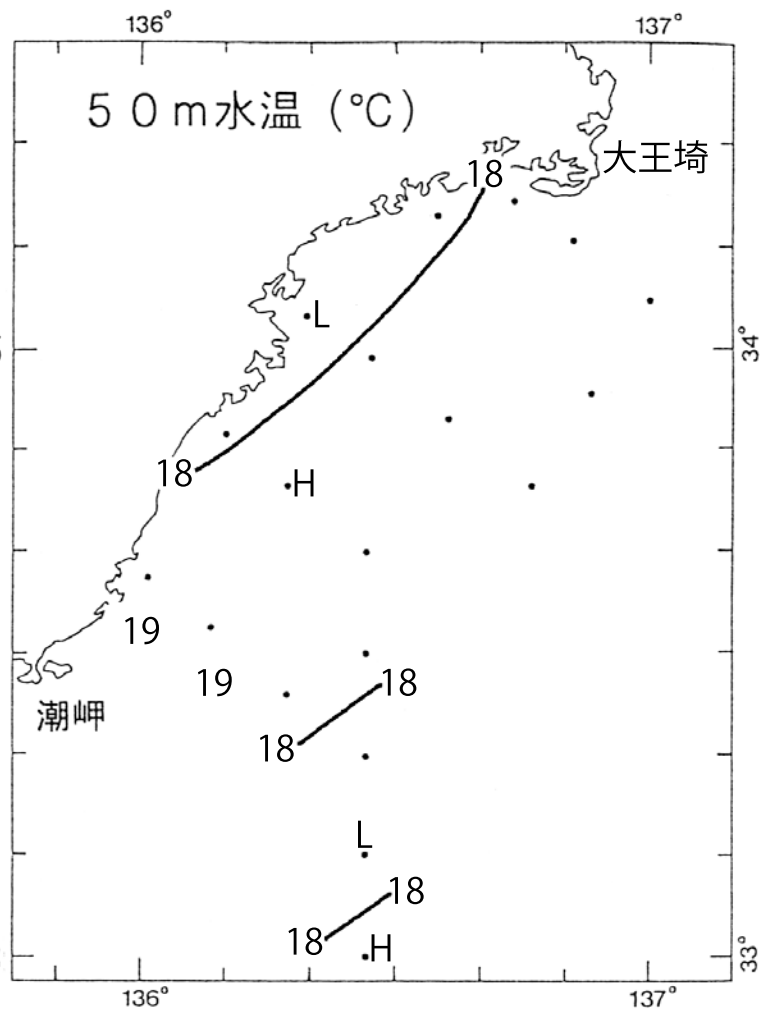
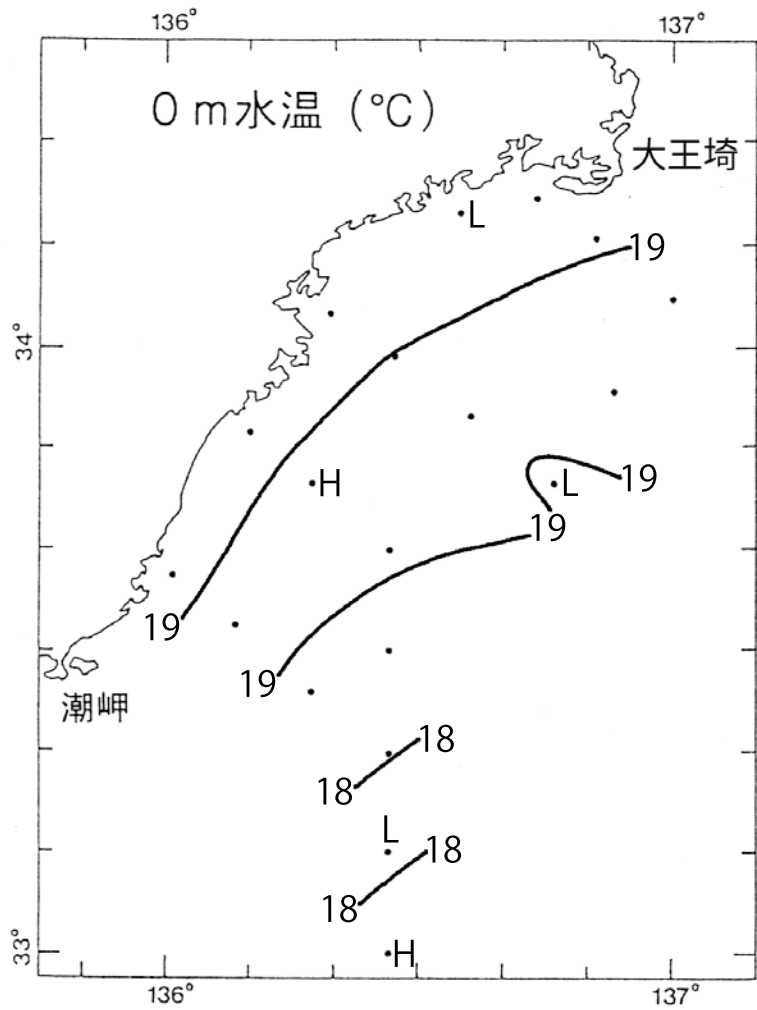
- ・ 水温、塩分、DO、クロロフィル
CTD : SeaBird社製 SBE-9plus
鶴見精機製 XCTD
- DO : JFEアドバンテック社製
Rinko-Profiler ASTD 152
- クロロフィル : WetLab社製 Eco-AFL
- ・ 流向流速計
ADCP : RD社製 300kHz

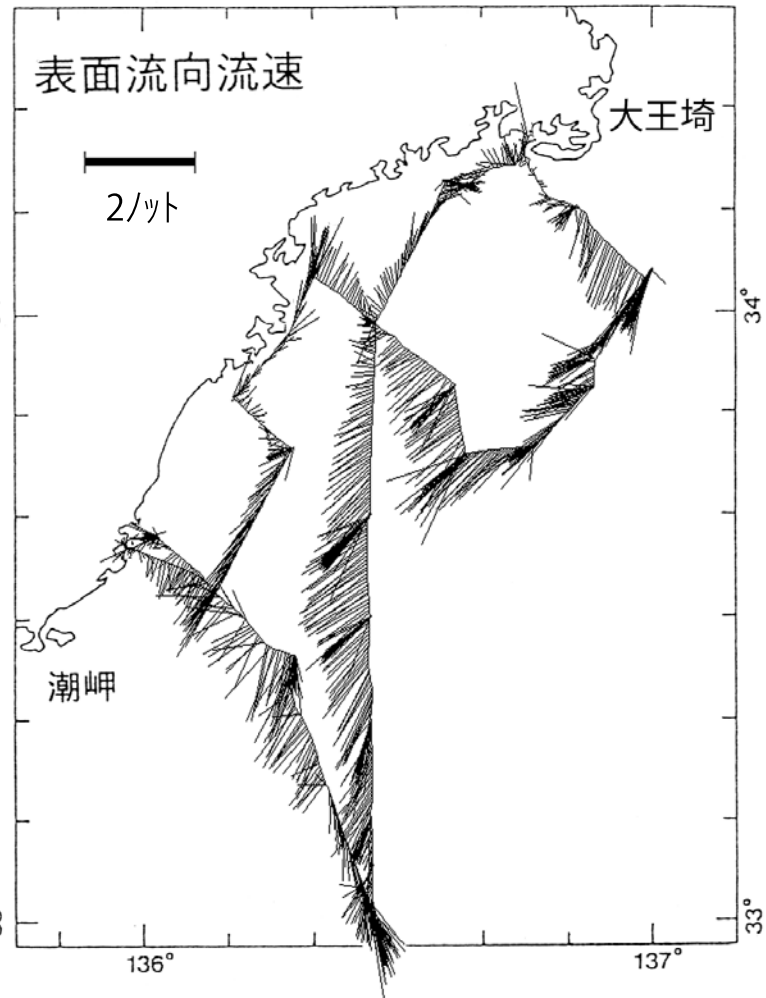
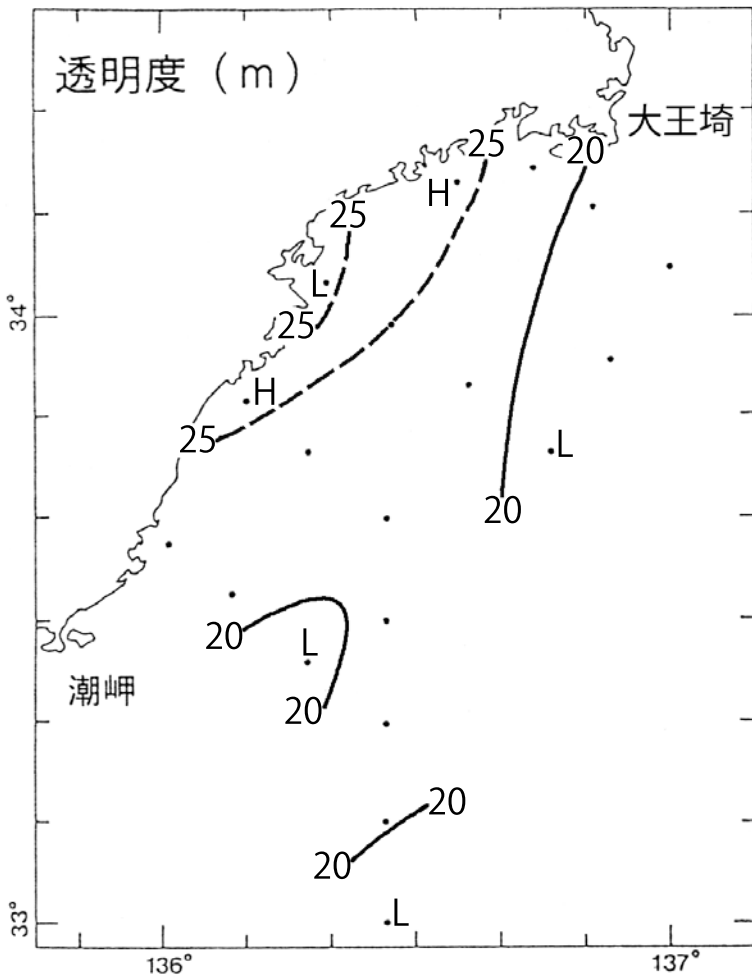
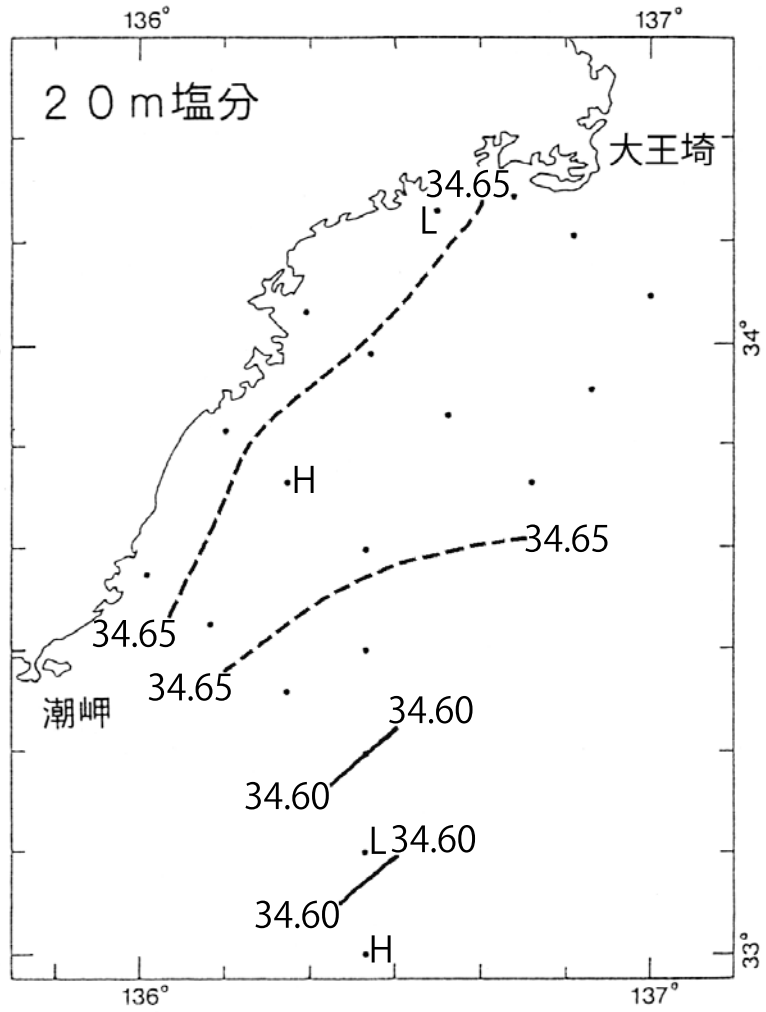
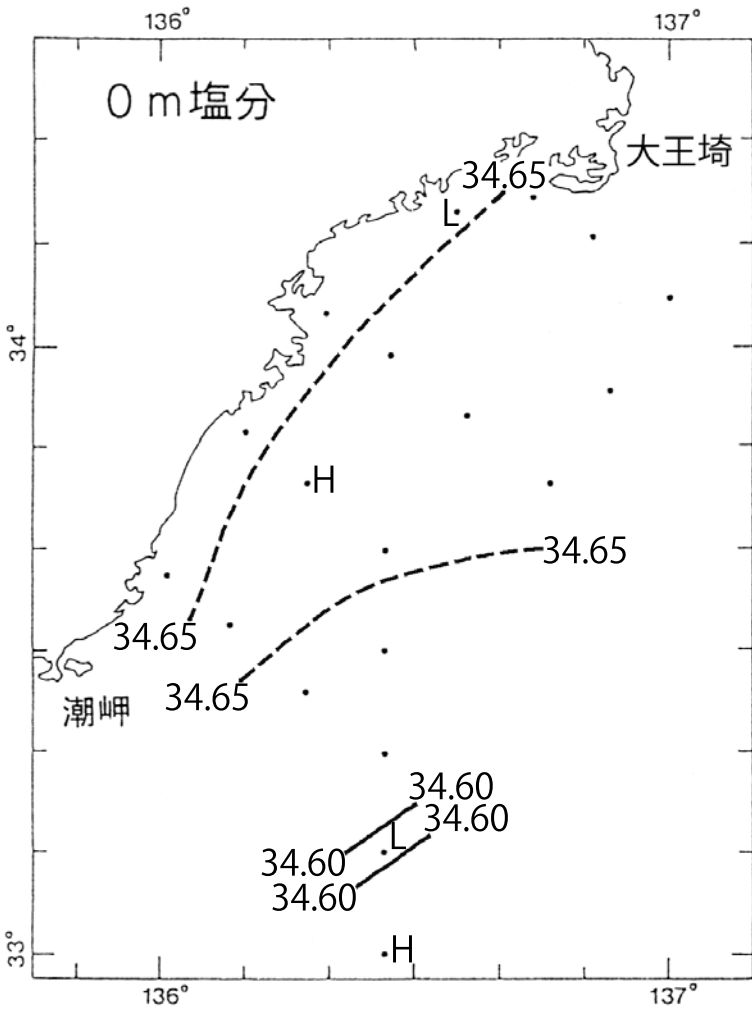
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※ 平年値:1991-2020年(測点29,30は

2002-2020年)



沿岸定線図





沿岸定線観測結果 (令和6年1月分)

調査員: 駒田 文菜・岩田 定和

| 測点 | | | 1 | | 5 | | 6 | | 8 | | 9 | | 11 | | 12 | |
|-------|-------|-------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|
| 年 | 月 | 日 | 24/01/17 | | 24/01/18 | | 24/01/17 | | 24/01/18 | | 24/01/18 | | 24/01/18 | | 24/01/17 | |
| 時 | 刻 | | 08:20 | | 12:35 | | 09:21 | | 11:32 | | 10:44 | | 10:06 | | 10:41 | |
| | | | -08:31 | | -12:47 | | -09:43 | | -11:39 | | -10:50 | | -10:18 | | -11:12 | |
| 緯 | 度 | (N) | 34° 13.18 | | 33° 52.86 | | 33° 58.98 | | 34° 03.67 | | 33° 51.71 | | 33° 46.63 | | 33° 40.09 | |
| 経 | 度 | (E) | 136° 34.80 | | 136° 36.29 | | 136° 26.82 | | 136° 19.27 | | 136° 09.94 | | 136° 17.09 | | 136° 26.28 | |
| 水 | 深 | | 100m | | 1944m | | 622m | | 114m | | 97m | | 1496m | | 2063m | |
| 水 | 色 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | |
| 傾 | 角 / 透 | 明 | 46 / 26.0 | | 40 / 21.0 | | 16 / 25.0 | | 28 / 24.0 | | 40 / 26.0 | | 12 / 21.0 | | 26 / 24.0 | |
| 風 | ね | 浪 | NW 2 | | SW 3 | | WSW 2 | | NNE 2 | | WSW 2 | | WNW 2 | | SW 2 | |
| う | ね | り | NW 1 | | SW 2 | | WSW 1 | | NNE 1 | | WSW 1 | | WNW 1 | | WSW 1 | |
| 気 | 温 | | 10.0°C | | 17.8°C | | 12.2°C | | 16.2°C | | 17.2°C | | 17.2°C | | 13.9°C | |
| 天 | 気 | | B | | C | | B | | C | | C | | C | | B | |
| 雲 | 形・雲 | 量 | CU 1 | | AC CU 9 | | CU 1 | | AC CU 9 | | AC CU 9 | | AC CU 9 | | CU 1 | |
| 風 | 向 (風 | 力) | NW(3) | | SW(3) | | SW(2) | | N(2) | | WSW(3) | | WNW(2) | | SW(2) | |
| 気 | 圧 | (hPa) | 1028.7 | | 1020.5 | | 1028.8 | | 1021.7 | | 1022.6 | | 1023.4 | | 1028.7 | |
| 流 | 向 | 10m | 109 | 0.9 | 232 | 1.4 | 295 | 0.3 | 21 | 1.1 | 55 | 0.5 | 260 | 0.7 | 228 | 1.7 |
| | | 20m | 132 | 0.7 | 230 | 1.5 | 294 | 0.3 | 34 | 0.9 | 44 | 0.4 | 259 | 0.7 | 228 | 1.7 |
| | | 30m | 167 | 0.7 | 232 | 1.5 | 278 | 0.3 | 26 | 0.7 | 32 | 0.3 | 255 | 0.7 | 226 | 1.7 |
| | | 40m | 164 | 0.4 | 232 | 1.4 | 280 | 0.4 | 40 | 0.4 | 33 | 0.3 | 254 | 0.6 | 226 | 1.7 |
| | | 50m | 172 | 0.2 | 233 | 1.6 | 285 | 0.3 | 35 | 0.3 | 83 | 0.4 | 253 | 0.6 | 235 | 1.6 |
| 水 | 温 | 0m | 18.03 | 34.625 | 19.49 | 34.697 | 19.02 | 34.654 | 18.69 | 34.646 | 18.41 | 34.641 | 19.75 | 34.698 | 19.35 | 34.679 |
| | | 10m | 18.09 | 34.642 | 19.50 | 34.697 | 19.05 | 34.653 | 18.66 | 34.645 | 18.28 | 34.638 | 19.75 | 34.699 | 19.35 | 34.679 |
| | | 20m | 17.78 | 34.625 | 19.51 | 34.697 | 19.05 | 34.652 | 18.28 | 34.629 | 18.20 | 34.632 | 19.73 | 34.699 | 19.32 | 34.673 |
| | | 30m | 17.75 | 34.627 | 19.51 | 34.697 | 19.05 | 34.652 | 17.98 | 34.623 | 18.12 | 34.626 | 19.74 | 34.699 | 19.29 | 34.669 |
| | | 50m | 17.72 | 34.626 | 19.46 | 34.688 | 18.76 | 34.618 | 17.53 | 34.591 | 17.75 | 34.618 | 19.72 | 34.699 | 18.85 | 34.606 |
| | | 75m | 17.55 | 34.611 | 19.11 | 34.646 | 18.00 | 34.608 | 17.17 | 34.569 | 17.68 | 34.619 | 19.14 | 34.632 | 18.45 | 34.572 |
| | | 100m | | | 17.94 | 34.582 | 17.71 | 34.600 | 17.08 | 34.585 | | | 17.96 | 34.562 | 17.95 | 34.610 |
| | | 125m | | | 16.32 | 34.592 | 17.44 | 34.582 | | | | | 16.70 | 34.616 | 17.00 | 34.588 |
| | | 150m | | | 15.48 | 34.584 | 17.04 | 34.569 | | | | | 16.37 | 34.608 | 15.81 | 34.591 |
| | | 175m | | | 14.78 | 34.555 | 15.27 | 34.558 | | | | | 15.37 | 34.568 | 14.27 | 34.518 |
| | | 200m | | | 13.87 | 34.498 | 14.51 | 34.534 | | | | | 14.35 | 34.524 | 13.49 | 34.482 |
| | | 250m | | | 12.26 | 34.417 | 11.88 | 34.399 | | | | | 13.18 | 34.464 | 11.69 | 34.395 |
| | | 300m | | | 10.40 | 34.322 | 10.75 | 34.352 | | | | | 10.94 | 34.345 | 10.05 | 34.308 |
| | | 400m | | | | | 9.21 | 34.303 | | | | | | | 7.48 | 34.249 |
| | | 500m | | | | | 7.05 | 34.265 | | | | | | | 5.71 | 34.261 |
| | | 600m | | | | | 5.63 | 34.276 | | | | | | | 5.06 | 34.292 |
| | | 700m | | | | | | | | | | | | | 4.34 | 34.325 |
| 800m | | | | | | | | | | | | | 3.92 | 34.367 | | |
| 900m | | | | | | | | | | | | | 3.60 | 34.397 | | |
| 1000m | | | | | | | | | | | | | 3.38 | 34.420 | | |
| D | O | 0m | 7.27 | 0.34 | 7.25 | 0.37 | 7.31 | 0.16 | 7.40 | 0.46 | 7.41 | 0.25 | 7.32 | 0.30 | 7.32 | 0.19 |
| | | 10m | 7.32 | 0.42 | 7.23 | 0.59 | 7.37 | 0.25 | 7.39 | 0.55 | 7.35 | 0.28 | 7.32 | 0.49 | 7.34 | 0.31 |
| | | 20m | 7.29 | 0.40 | 7.21 | 0.76 | 7.32 | 0.40 | 7.21 | 0.40 | 7.32 | 0.55 | 7.31 | 0.54 | 7.29 | 0.45 |
| | | 30m | 7.27 | 0.37 | 7.21 | 0.73 | 7.29 | 0.46 | 7.25 | 0.37 | 7.31 | 0.31 | 7.31 | 0.58 | 7.27 | 0.59 |
| | | 50m | 7.27 | 0.37 | 7.18 | 0.56 | 7.22 | 0.31 | 7.27 | 0.41 | 7.39 | 0.39 | 7.30 | 0.51 | 7.22 | 0.22 |
| | | 75m | 7.30 | 0.32 | 7.12 | 0.28 | 6.99 | 0.20 | 7.22 | 0.18 | 7.39 | 0.48 | 7.24 | 0.16 | 7.14 | 0.00 |
| | | 100m | | | 6.68 | 0.00 | 7.25 | 0.26 | 7.17 | 0.27 | | | 6.80 | 0.00 | 6.14 | 0.00 |
| | | 125m | | | 5.72 | 0.00 | 7.24 | 0.14 | | | | | 6.06 | 0.00 | 5.91 | 0.00 |
| | | 150m | | | 5.80 | 0.00 | 7.08 | 0.07 | | | | | 6.01 | 0.00 | 5.77 | 0.00 |
| | | 175m | | | 6.01 | 0.00 | 5.76 | 0.00 | | | | | 5.72 | 0.00 | 5.40 | 0.00 |
| | | 200m | | | 5.52 | 0.00 | 5.64 | 0.00 | | | | | 5.70 | 0.00 | 5.22 | 0.00 |
| | | 250m | | | 5.24 | 0.00 | 5.08 | 0.00 | | | | | 5.46 | 0.00 | 5.05 | 0.00 |
| | | 300m | | | 4.93 | 0.00 | 4.85 | 0.00 | | | | | 5.06 | 0.00 | 4.83 | 0.00 |
| | | 400m | | | | | 4.30 | 0.00 | | | | | | | 3.72 | 0.00 |
| | | 500m | | | | | 3.45 | 0.00 | | | | | | | 2.83 | 0.00 |
| | | 600m | | | | | 2.76 | 0.00 | | | | | | | 2.47 | 0.00 |
| | | 700m | | | | | | | | | | | | | 2.15 | 0.00 |
| 800m | | | | | | | | | | | | | 2.10 | 0.00 | | |
| 900m | | | | | | | | | | | | | 2.01 | 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6年1月分)

調査員:駒田 文菜・岩田 定和

| 測点 | | | 13 | | 14 | | 15 | | 17 | | 20 | | 22 | | 23 | | | | |
|-------|-------|--------|------------|------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|-------|--------|------|
| 年 | 月 | 日 | 24/01/17 | | 24/01/17 | | 24/01/18 | | 24/01/18 | | 24/01/17 | | 24/01/18 | | 24/01/18 | | | | |
| 時 | 刻 | | 12:26 | | 16:14 | | 09:02 | | 08:02 | | 07:51 | | 16:46 | | 15:33 | | | | |
| | | | -12:38 | | -16:29 | | -09:14 | | -08:35 | | -07:57 | | -16:54 | | -16:13 | | | | |
| 緯 | 度 | (N) | 33° 19.75 | | 33° 26.10 | | 33° 32.65 | | 33° 37.85 | | 34° 14.70 | | 34° 10.67 | | 34° 04.48 | | | | |
| 経 | 度 | (E) | 136° 26.34 | | 136° 17.10 | | 136° 08.00 | | 136° 00.70 | | 136° 43.35 | | 136° 50.74 | | 136° 59.75 | | | | |
| 水 | 深 | | 2013m | | | | 1447m | | 106m | | 59m | | 128m | | 1374m | | | | |
| 色 | | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | 3 | | | | |
| 傾 | 角 / 透 | 明 | 40 / 20.0 | | 53 / 17.0 | | 49 / 21.0 | | 40 / 21.0 | | 8 / 23.0 | | 26 / 19.0 | | 28 / 19.0 | | | | |
| 風 | ね | 浪 | SW 3 | | WSW 4 | | WSW 3 | | WSW 2 | | NNW 2 | | NNE 2 | | NNW 3 | | | | |
| う | ね | り | SW 2 | | WSW 3 | | WSW 1 | | WSW 1 | | NNW 1 | | NNE 1 | | NNE 1 | | | | |
| 気 | 温 | | 14.0°C | | 15.2°C | | 16.2°C | | 13.5°C | | 7.7°C | | 14.0°C | | 14.7°C | | | | |
| 天 | 気 | | B | | B | | C | | C | | B | | O | | O | | | | |
| 雲 | 形・雲 | 量 | CU 1 | | CU 3 | | AC CU 9 | | AC CU 9 | | CU 1 | | CU 10 | | CU 10 | | | | |
| 風 | 向 (風 | 力) | SW(4) | | SW(5) | | SW(3) | | SW(3) | | N(2) | | NNE(2) | | NNE(3) | | | | |
| 気 | 圧 | (hPa) | 1027.2 | | 1025.4 | | 1023.4 | | 1023.4 | | 1028.3 | | 1019.8 | | 1019.8 | | | | |
| 流 | 向 | 10m | 199 | 1.3 | 175 | 0.8 | 226 | 1.1 | 261 | 0.4 | 344 | 0.4 | 244 | 0.6 | 210 | 1.3 | | | |
| | | 20m | 210 | 1.3 | 197 | 0.9 | 225 | 1.2 | 256 | 0.4 | 354 | 0.4 | 242 | 0.6 | 207 | 1.3 | | | |
| | | 30m | 214 | 1.3 | 198 | 1.0 | 227 | 1.2 | 260 | 0.4 | 353 | 0.3 | 230 | 0.6 | 207 | 1.3 | | | |
| | | 40m | 216 | 1.3 | 209 | 0.9 | 222 | 1.3 | 244 | 0.4 | 336 | 0.3 | 238 | 0.7 | 218 | 1.4 | | | |
| | | 50m | 214 | 1.3 | 214 | 1.0 | 220 | 1.2 | 236 | 0.5 | 310 | 0.4 | 244 | 0.6 | 228 | 1.4 | | | |
| 水 | 温 | (°C) | (PSU) | 0m | 18.03 | 34.619 | 18.73 | 34.637 | 19.42 | 34.672 | 18.54 | 34.635 | 18.96 | 34.671 | 18.85 | 34.677 | 19.68 | 34.693 | |
| | | | | 10m | 17.93 | 34.610 | 18.74 | 34.634 | 19.44 | 34.671 | 18.55 | 34.636 | 18.97 | 34.672 | 18.88 | 34.678 | 19.68 | 34.693 | |
| | | | | 20m | 17.79 | 34.600 | 18.73 | 34.635 | 19.43 | 34.671 | 18.55 | 34.636 | 18.97 | 34.670 | 18.88 | 34.679 | 19.68 | 34.693 | |
| | | | | 30m | 17.74 | 34.597 | 18.73 | 34.630 | 19.43 | 34.671 | 18.55 | 34.636 | 18.78 | 34.648 | 18.88 | 34.679 | 19.62 | 34.684 | |
| | | | | 50m | 17.69 | 34.598 | 18.64 | 34.620 | 19.40 | 34.667 | 18.49 | 34.638 | 18.35 | 34.645 | 18.84 | 34.680 | 18.18 | 34.578 | |
| | | | | 75m | 17.62 | 34.596 | 18.15 | 34.582 | 18.72 | 34.594 | 17.80 | 34.595 | | | 18.51 | 34.658 | 18.14 | 34.582 | |
| | | | | 100m | 17.40 | 34.583 | 16.68 | 34.591 | 17.53 | 34.589 | 17.74 | 34.595 | | | 18.23 | 34.645 | 17.79 | 34.625 | |
| | | | | 125m | 14.66 | 34.530 | 15.94 | 34.577 | 16.29 | 34.587 | | | | | 17.88 | 34.633 | 16.55 | 34.614 | |
| | | | | 150m | 13.69 | 34.492 | 14.38 | 34.523 | 15.49 | 34.581 | | | | | | | 15.11 | 34.557 | |
| | | | | 175m | 12.45 | 34.420 | 13.56 | 34.485 | 14.88 | 34.551 | | | | | | | 14.10 | 34.512 | |
| | | | | 200m | 11.72 | 34.371 | 12.22 | 34.424 | 13.97 | 34.503 | | | | | | | 13.25 | 34.453 | |
| | | | | 250m | 10.34 | 34.340 | 10.74 | 34.328 | 11.81 | 34.377 | | | | | | | 11.43 | 34.363 | |
| | | | | 300m | 9.19 | 34.324 | 9.31 | 34.285 | 10.86 | 34.361 | | | | | | | 10.07 | 34.307 | |
| | | | | 400m | | | | | | | | | | | | | 7.73 | 34.232 | |
| | | | | 500m | | | | | | | | | | | | | 6.41 | 34.251 | |
| 600m | | | | | | | | | | | | | 5.36 | 34.277 | | | | | |
| 700m | | | | | | | | | | | | | 4.67 | 34.300 | | | | | |
| 800m | | | | | | | | | | | | | 4.17 | 34.344 | | | | | |
| 900m | | | | | | | | | | | | | 3.74 | 34.382 | | | | | |
| 1000m | | | | | | | | | | | | | 3.46 | 34.413 | | | | | |
| D | O | (mg/l) | クロロ | フィル | 0m | 7.51 | 0.19 | 7.43 | 0.63 | 7.30 | 0.31 | 7.37 | 0.39 | 7.26 | 0.32 | 7.37 | 0.74 | 7.38 | 0.70 |
| | | | | | 10m | 7.46 | 0.32 | 7.38 | 0.69 | 7.28 | 0.40 | 7.37 | 0.43 | 7.31 | 0.43 | 7.39 | 0.66 | 7.37 | 0.80 |
| | | | | | 20m | 7.36 | 0.49 | 7.38 | 0.72 | 7.28 | 0.43 | 7.36 | 0.44 | 7.27 | 0.46 | 7.38 | 0.67 | 7.37 | 0.74 |
| | | | | | 30m | 7.34 | 0.60 | 7.35 | 0.64 | 7.28 | 0.41 | 7.35 | 0.43 | 7.27 | 0.43 | 7.36 | 0.69 | 7.33 | 0.75 |
| | | | | | 50m | 7.30 | 0.59 | 7.29 | 0.43 | 7.27 | 0.43 | 7.38 | 0.48 | 7.29 | 0.40 | 7.33 | 0.61 | 7.26 | 0.05 |
| | | | | | 75m | 7.18 | 0.40 | 6.88 | 0.10 | 7.22 | 0.10 | 7.06 | 0.19 | | | 7.23 | 0.37 | 7.23 | 0.02 |
| | | | | | 100m | 6.85 | 0.25 | 5.83 | 0.00 | 6.33 | 0.00 | 7.21 | 0.34 | | | 7.12 | 0.21 | 6.57 | 0.00 |
| | | | | | 125m | 5.48 | 0.00 | 5.69 | 0.00 | 5.76 | 0.00 | | | | | 6.90 | 0.10 | 5.87 | 0.00 |
| | | | | | 150m | 5.36 | 0.00 | 5.42 | 0.00 | 5.83 | 0.00 | | | | | | | 5.68 | 0.00 |
| | | | | | 175m | 5.33 | 0.00 | 5.30 | 0.00 | 5.68 | 0.00 | | | | | | | 5.62 | 0.00 |
| | | | | | 200m | 5.35 | 0.00 | 5.19 | 0.00 | 5.50 | 0.00 | | | | | | | 5.61 | 0.00 |
| | | | | | 250m | 4.64 | 0.00 | 5.00 | 0.00 | 5.34 | 0.00 | | | | | | | 5.21 | 0.00 |
| | | | | | 300m | 4.23 | 0.00 | 4.48 | 0.00 | 4.81 | 0.00 | | | | | | | 4.81 | 0.00 |
| | | | | | 400m | | | | | | | | | | | | | 3.95 | 0.00 |
| | | | | | 500m | | | | | | | | | | | | | 3.24 | 0.00 |
| 600m | | | | | | | | | | | | | 2.63 | 0.00 | | | | | |
| 700m | | | | | | | | | | | | | 2.32 | 0.00 | | | | | |
| 800m | | | | | | | | | | | | | 2.15 | 0.00 | | | | | |
| 900m | | | | | | | | | | | | | 2.03 | 0.00 | | | | | |
| 1000m | | | | | | | | | | | | | 2.06 | 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6年1月分)

調査員: 駒田 文菜・岩田 定和

| 測点 | | | 26 | | 27 | | 28 | | 29 | | 30 | | |
|-------|--------|--------|------------|-------|------------|-------|------------|-------|------------|--------|------------|-------|--------|
| 年 | 月 | 日 | 24/01/18 | | 24/01/18 | | 24/01/17 | | 24/01/17 | | 24/01/17 | | |
| 時 | 刻 | | 14:45 | | 13:43 | | 11:42 | | 13:07 | | 13:51 | | |
| | | | -14:57 | | -13:56 | | -11:55 | | -13:20 | | -14:06 | | |
| 緯度 | (N) | | 33° 55.58 | | 33° 46.79 | | 33° 29.96 | | 33° 10.17 | | 33° 00.16 | | |
| 経度 | (E) | | 136° 52.71 | | 136° 45.80 | | 136° 26.30 | | 136° 26.31 | | 136° 26.34 | | |
| 水深 | | | 1044m | | 1906m | | 2067m | | | | | | |
| 水色 | | | 3 | | 3 | | 3 | | 3 | | 3 | | |
| 傾角 | / | 透明度 | 23 / 19.0 | | 39 / 18.0 | | 45 / 24.0 | | 51 / 20.0 | | 45 / 18.0 | | |
| 風 | | 浪 | NNE 3 | | SW 2 | | SW 3 | | SW 3 | | WSW 4 | | |
| うね | | り | NNE 1 | | SW 2 | | SW 1 | | SW 2 | | WSW 2 | | |
| 気温 | | | 16.6°C | | 19.1°C | | 13.5°C | | 14.2°C | | 13.9°C | | |
| 天気 | | | C | | C | | B | | B | | B | | |
| 雲形 | ・ | 雲量 | CU 10 | | CU 9 | | CU 1 | | CU 2 | | CU 2 | | |
| 風向 | (| 風力) | NE(3) | | SW(4) | | SSW(3) | | SW(4) | | WSW(4) | | |
| 気圧 | (hPa) | | 1019.8 | | 1019.8 | | 1027.7 | | 1026.7 | | 1026.4 | | |
| 流向 | (度) | 10m | 251 | 1.1 | 243 | 0.8 | 237 | 1.5 | 210 | 0.9 | 157 | 1.1 | |
| | | 20m | 244 | 1.1 | 243 | 0.9 | 237 | 1.6 | 208 | 1.0 | 163 | 0.8 | |
| | | 30m | 237 | 1.2 | 244 | 0.9 | 235 | 1.6 | 212 | 0.9 | 177 | 0.6 | |
| | | 40m | 235 | 1.1 | 248 | 0.9 | 235 | 1.7 | 185 | 1.0 | 177 | 0.6 | |
| | | 50m | 227 | 1.1 | 249 | 0.8 | 237 | 1.5 | 191 | 0.8 | 178 | 0.8 | |
| 水温 | (°C) | (PSU) | 0m | 19.24 | 34.662 | 18.81 | 34.654 | 18.30 | 34.605 | 17.55 | 34.598 | 18.97 | 34.630 |
| | | | 10m | 19.15 | 34.653 | 18.81 | 34.655 | 18.31 | 34.603 | 17.55 | 34.600 | 18.91 | 34.624 |
| | | | 20m | 18.98 | 34.649 | 18.81 | 34.657 | 18.31 | 34.603 | 17.44 | 34.595 | 18.70 | 34.614 |
| | | | 30m | 18.93 | 34.647 | 18.75 | 34.663 | 18.29 | 34.602 | 17.42 | 34.595 | 18.67 | 34.622 |
| | | | 50m | 18.78 | 34.643 | 18.60 | 34.657 | 18.26 | 34.600 | 17.40 | 34.596 | 18.42 | 34.606 |
| | | | 75m | 18.46 | 34.614 | 18.46 | 34.645 | 17.91 | 34.582 | 17.39 | 34.595 | 18.39 | 34.603 |
| | | | 100m | 17.44 | 34.613 | 17.21 | 34.586 | 17.66 | 34.592 | 17.38 | 34.593 | 16.96 | 34.581 |
| | | | 125m | 15.89 | 34.562 | 15.53 | 34.570 | 15.86 | 34.571 | 16.13 | 34.561 | 15.19 | 34.545 |
| | | | 150m | 14.72 | 34.535 | 14.49 | 34.530 | 14.76 | 34.536 | 13.86 | 34.499 | 13.65 | 34.478 |
| | | | 175m | 13.92 | 34.503 | 13.30 | 34.468 | 13.59 | 34.484 | 12.15 | 34.416 | 12.38 | 34.431 |
| | | | 200m | 12.99 | 34.452 | 12.29 | 34.426 | 12.68 | 34.436 | 11.18 | 34.382 | 10.81 | 34.359 |
| | | | 250m | 11.60 | 34.389 | 10.89 | 34.336 | 10.64 | 34.356 | 9.44 | 34.322 | 9.66 | 34.318 |
| | | | 300m | 10.48 | 34.320 | 9.80 | 34.284 | 9.44 | 34.321 | 8.30 | 34.269 | 8.58 | 34.274 |
| | | | 400m | | | | | | | | | 6.37 | 34.201 |
| | | | 500m | | | | | | | | | 5.21 | 34.242 |
| 600m | | | | | | | | | 4.49 | 34.280 | | | |
| 700m | | | | | | | | | 3.99 | 34.338 | | | |
| 800m | | | | | | | | | 3.61 | 34.370 | | | |
| 900m | | | | | | | | | 3.33 | 34.398 | | | |
| 1000m | | | | | | | | | 3.11 | 34.428 | | | |
| D O | (mg/l) | クロロフィル | 0m | 7.46 | 0.45 | 7.47 | 0.38 | 7.32 | 0.11 | 7.51 | 0.22 | 7.37 | 0.22 |
| | | | 10m | 7.45 | 0.57 | 7.46 | 0.60 | 7.39 | 0.13 | 7.50 | 0.25 | 7.33 | 0.40 |
| | | | 20m | 7.43 | 0.66 | 7.46 | 0.76 | 7.35 | 0.33 | 7.49 | 0.63 | 7.27 | 0.65 |
| | | | 30m | 7.42 | 0.55 | 7.50 | 0.80 | 7.29 | 0.54 | 7.49 | 0.62 | 7.26 | 0.72 |
| | | | 50m | 7.43 | 0.41 | 7.50 | 0.51 | 7.25 | 0.54 | 7.48 | 0.72 | 7.21 | 0.54 |
| | | | 75m | 7.37 | 0.18 | 7.51 | 0.58 | 6.91 | 0.16 | 7.48 | 0.69 | 7.20 | 0.54 |
| | | | 100m | 6.17 | 0.00 | 6.16 | 0.00 | 6.84 | 0.22 | 7.44 | 0.54 | 5.90 | 0.00 |
| | | | 125m | 5.64 | 0.00 | 5.65 | 0.00 | 5.56 | 0.00 | 6.47 | 0.10 | 5.57 | 0.00 |
| | | | 150m | 5.49 | 0.00 | 5.47 | 0.00 | 5.43 | 0.00 | 5.34 | 0.00 | 5.40 | 0.00 |
| | | | 175m | 5.44 | 0.00 | 5.56 | 0.00 | 5.27 | 0.00 | 5.03 | 0.00 | 5.11 | 0.00 |
| | | | 200m | 5.42 | 0.00 | 5.08 | 0.00 | 5.14 | 0.00 | 4.84 | 0.00 | 4.79 | 0.00 |
| | | | 250m | 5.05 | 0.00 | 4.99 | 0.00 | 4.72 | 0.00 | 4.33 | 0.00 | 4.47 | 0.00 |
| | | | 300m | 4.99 | 0.00 | 4.81 | 0.00 | 4.35 | 0.00 | 4.03 | 0.00 | 4.14 | 0.00 |
| | | | 400m | | | | | | | | | | |
| | | | 500m | | | | | | | | | | |
| 600m | | | | | | | | | | | | | |
| 700m | | | | | | | | | | | | | |
| 800m | | | | | | | | | | | | | |
| 900m | | | | | | | | | | | | | |
| 1000m | | | | | | | | | | | | | |

注) 緯度、経度は世界測地系による。