

令和3年度

鹿児島湾流況調査報告書

令和4年7月

第十管区海上保安本部

## 1 目的

鹿児島湾は、湾口の幅約12km、奥行き約80kmの南北に細長い湾で、湾口より湾奥が深い特異な地形をしている。湾内には鹿児島市をはじめ多数の市町村が存在し、喜入には大規模石油基地が立地しており、大型タンカーや旅客船が頻繁に出入港していることから海洋情報の需要が多く、湾内の海洋環境問題や災害の発生時には適切に対応していく必要があるため、湾内での継続的な観測を実施し、湾内流況の詳細な変化を把握しておく必要がある。

本観測は、「流況予測・漂流モデルに必要な観測と検証」として、鹿児島湾内で毎月、流況、水温、塩分等の基礎データを取得し、更に海難事故等の発生時における漂流状況の予測精度向上のための資料を整備することを目的として実施した。

## 2 観測概要

### (1) 観測船

測量船「いそしお」 27トン

### (2) 観測海域

観測線及び観測点を付図1に示す。

測点番号は、過去の測点名と統一するため連番としていない。

なお、湾内を3海域に分け西桜島水道以北を「湾奥部」、西桜島水道以南から山川(指宿)以北を「湾央部」、山川(指宿)以南を「湾口部」と記載する。

### (3) 観測項目

観測項目は下表のとおり。

観測項目	観測機器	備考
流向・流速	ADCP (古野電気CI-60G改)	244kHz、5～100m層
表面水温	電気式温度計 (古野電気TI-20E)	海面下1m、インテイク法
各層水温、塩分	STD (JFEアドバンテックASTD100)	
風向・風速	風車型風向風速計	海面上9.4m
透明度	セッキー板	直径30cm、白色

### 3 経過概要

日次	月日	曜日	作業内容			
			潮流 (定線)	水温塩分 (STD)	気象	透明度
1	令和3(2021)年4月26日	月	○	—	—	—
2		火	—	○	○	○
3		水	○	○	○	○
4	5月10日	月	—	○	○	○
5	5月11日	火	—	—	—	—
6	6月7日	月	—	○	○	○
7	6月8日	火	○	○	○	○
8	6月9日	水	○	—	—	—
9	6月10日	木	○	—	—	—
10	7月5日	月	○	○	○	○
11	7月6日	火	—	○	○	○
12	7月8日	木	○	—	—	—
13	8月2日	月	○	○	○	○
14	8月3日	火	—	○	○	○
15	8月5日	木	○	—	—	—
16	9月6日	月	○	—	—	—
17	9月7日	火	○	○	○	○
18	9月8日	水	—	○	○	○
19	9月9日	木	○	—	—	—
20	10月5日	火	—	○	○	○
21	10月6日	水	—	○	○	○
22	11月8日	月	○	○	○	○
23	11月9日	火	—	○	○	○
24	12月13日	月	○	○	○	○
25	12月14日	火	—	○	○	○
26	令和4(2022)年1月18日	火	○	—	—	—
27		1月19日	水	○	—	—
28		1月20日	木	—	○	○
29		1月21日	金	○	○	○
30	2月14日	月	○	—	—	—
31	2月15日	火	—	○	○	○
32	2月16日	水	○	○	○	○
33	2月17日	木	○	—	—	—
34	3月2日	水	○	○	○	○
35	3月3日	木	—	○	○	○
36	3月4日	金	○	—	—	—

#### 4 観測結果

##### (1) 鹿児島港の表面水温について

鹿児島港本港区水族館前イルカ水路における表面水温の日平均変化を図1に示す。

2021年の鹿児島港の表面水温の月平均は表1のとおりで、平年に比べ3月でやや高く、8月にやや低い他は平年並みであった。

日平均表面水温の極値は最低が14.4℃（2月28日）、最高が29.2℃（9月5日）であった。（表2）

なお、水温データは鹿児島水族館より提供を受けたものである。



図1 鹿児島港の表面水温

表1 2021年月平均水温（℃）

月	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月
2021年	16.5	16.1	17.0	18.1	20.5	23.4	26.4	27.5	27.3	25.0	21.2	18.2
平年値	16.7	16.0	16.3	17.7	20.4	23.1	26.7	28.3	27.0	24.4	21.6	18.7
平年偏差	-0.2	0.1	0.7	0.4	0.1	0.3	-0.3	-0.8	0.3	0.6	-0.4	-0.5
標準偏差	0.77	0.67	0.81	1.11	1.37	1.26	1.50	1.07	1.24	1.22	1.03	1.11
状況	平年並み	平年並み	やや高め	平年並み	平年並み	平年並み	平年並み	やや低め	平年並み	平年並み	平年並み	平年並み

※平年値は2002年～2020年の平均値

表2 2021年最高・最低及び年平均水温

最高水温	29.2℃	9月5日
最低水温	14.4℃	2月18日
年平均水温	21.5℃	21.5℃（平年値）

※平年値は2002年～2020年の平均値

平年並み :  $0\sigma \leq \text{平年偏差} < 0.6\sigma$   
 やや高め（低め） :  $0.6\sigma \leq \text{平年偏差} < 1.3\sigma$   
 かなり高め（低め） :  $1.3\sigma \leq \text{平年偏差} < 2.0\sigma$   
 著しく高め（低め） :  $2.0\sigma \leq \text{平年偏差}$

※鹿児島県漁海況週報の評価を引用

## (2) 鹿児島湾の海況について

測量船による鹿児島湾の海況については以下のとおりである。また、観測成果を別表1～12に示す。

### イ) 水温について

航走時における冷却用海水の連続水温データによる表面水温分布図を付図2、水温鉛直断面図を付図3、各測点毎の水温鉛直分布図を付図5に示す。

湾奥・湾央部は、ほぼ同じ水温域である。一方、湾口部は外洋水の影響を受けて水温勾配が生じている。

4月より発達にある湾成層は、8～9月にかけて著しくなっている。10月に入ると成層は崩れ始め、11月より鉛直混合が発達し始めている。12月には湾内は一様な水となり3月まで一様な状態が続いていた。また、湾央部における夏季成層は100m付近までである。

### ロ) 塩分について

塩分鉛直断面図を付図4、各測点毎の塩分鉛直分布図を付図5に示す。

4及び5月は34台の一様な分布であった。降雨や日射量の多い6月から10月にかけて塩分成層の状態となったが、12月には塩分成層は崩れ、1月には再び一様な分布となっている。

### ハ) 透明度について

各測点毎の透明度変化を図2に示す。

透明度は、各観測ともに湾奥部は低く、湾口部は高い分布傾向にある。また、低透明度域である湾奥部においても、10月から3月は、10m以上の透明度が観測されている。

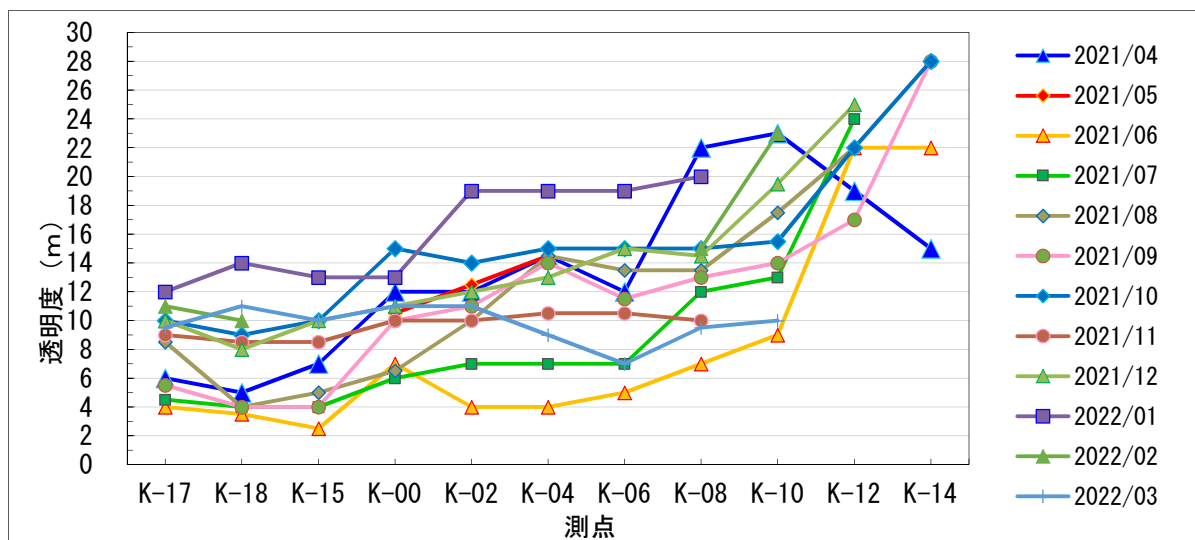


図2 鹿児島湾の透明度

## ニ) 流況について

ADCP観測データから毎時の1分メッシュデータを作成し、同時刻における鹿児島湾潮流推算データ（1分メッシュ 海上保安庁海洋情報部 1985年10月作成）と比較した（付図6）。

全期間とも湾奥及び湾央部では、0.5ノット以下の弱い流れが大半を占めている。また、推算値と比較すると、湾内狭部の西桜島水道付近（鹿児島新港～桜島の間）と湾口部（山川（指宿）以南）では、流向は概ね同じであったが、その他海域では相違していた。

☆鹿児島湾流況調査 ADCP 測線&STD 測点

湾奥測線

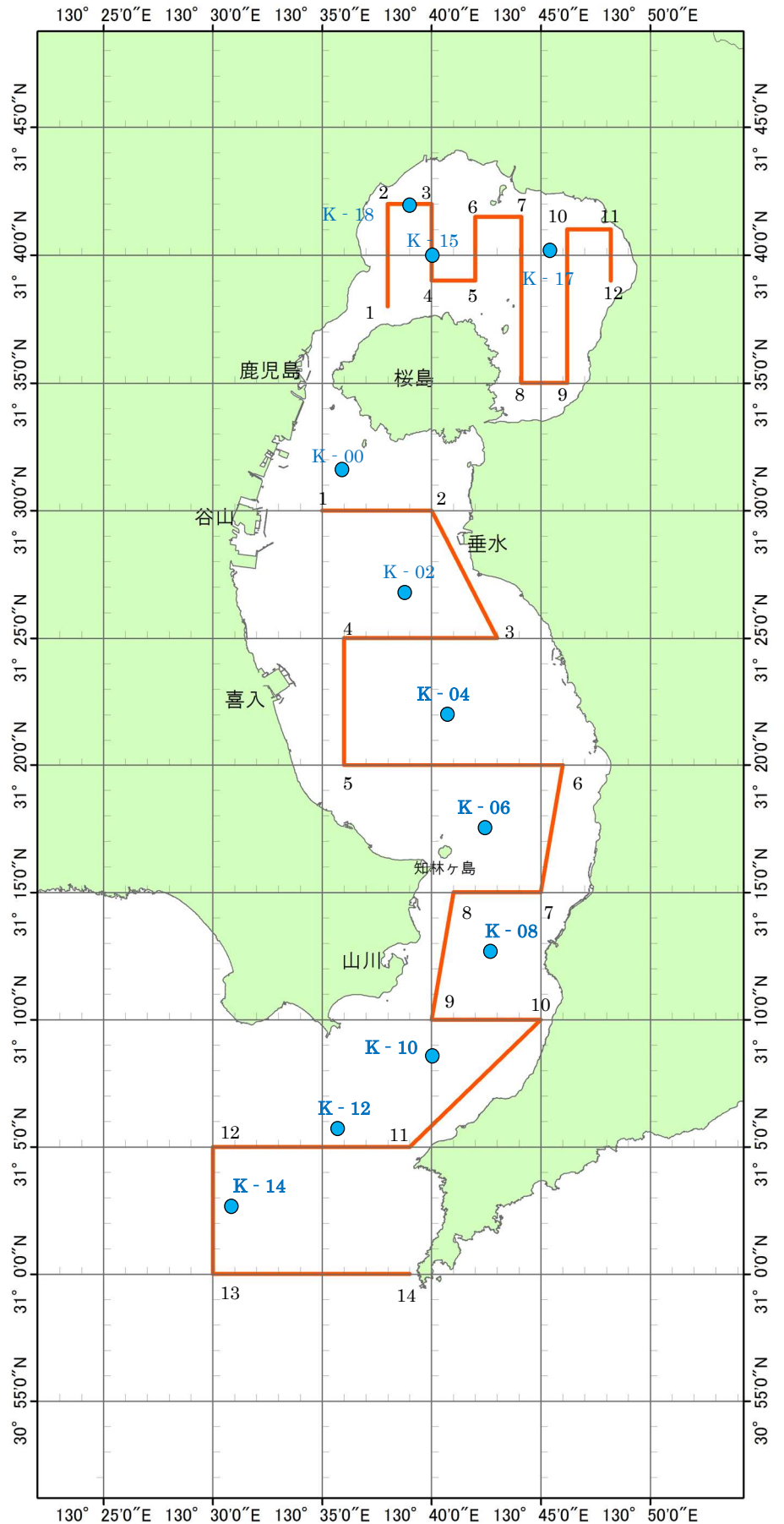
NO.	北緯	東経
1	31-38	130-38
2	31-42	130-38
3	31-42	130-40
4	31-39	130-40
5	31-39	130-42
6	31-41.5	130-42
7	31-41.5	130-44.1
8	31-35	130-44.1
9	31-35	130-46.2
10	31-41	130-46.2
11	31-41	130-48.2
12	31-39	130-48.2

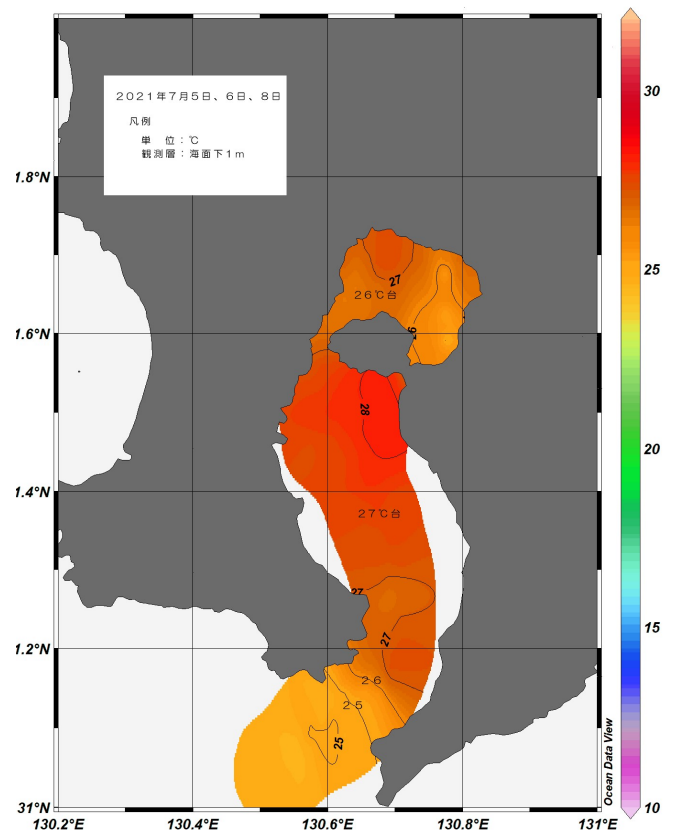
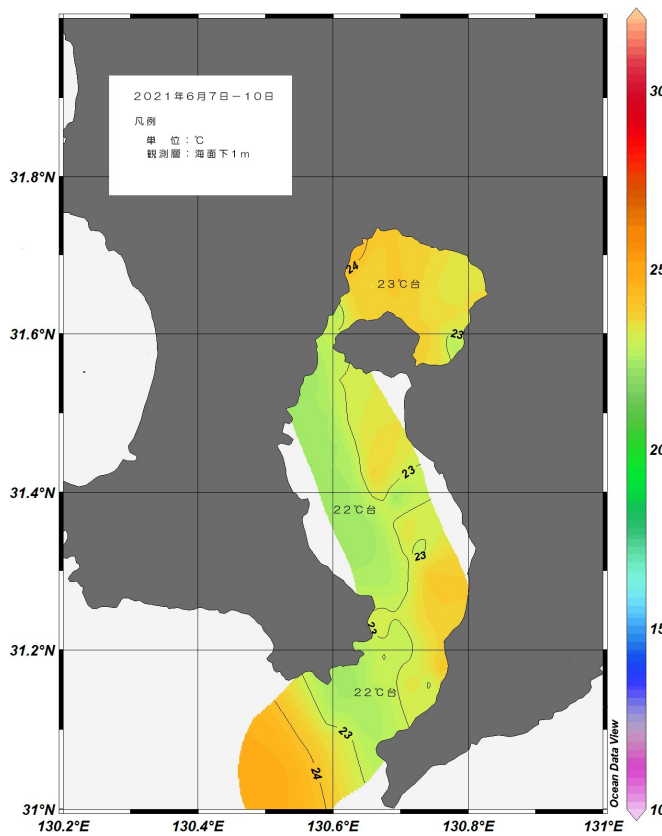
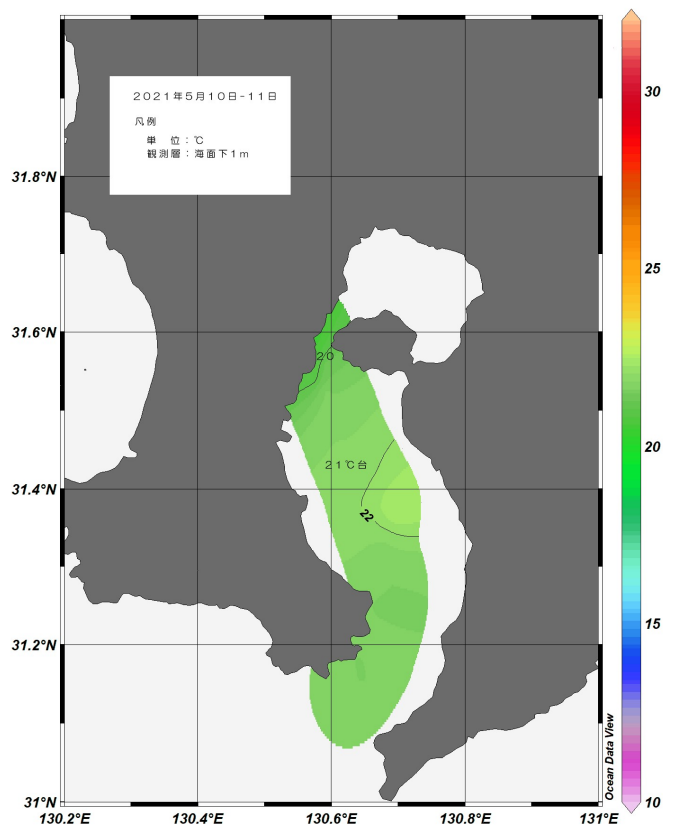
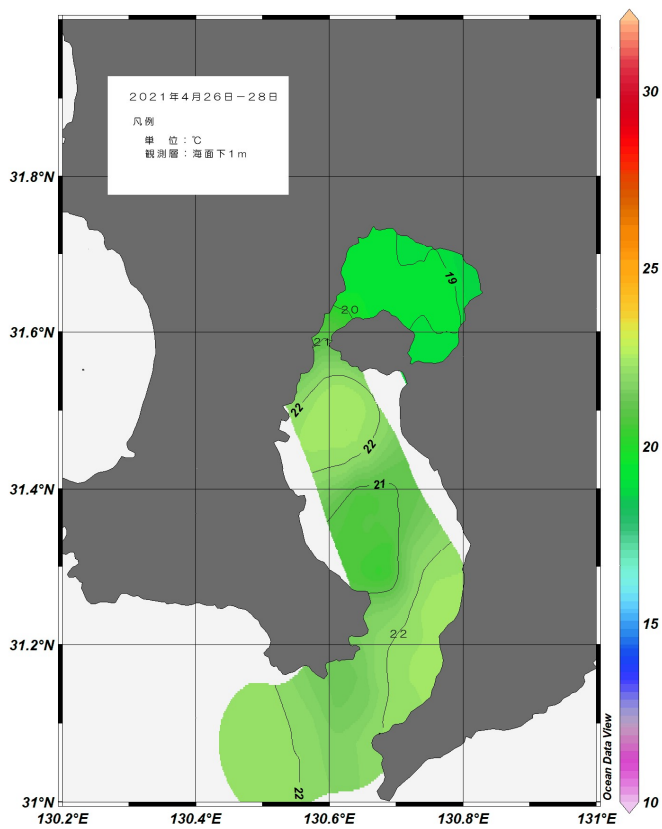
湾央・湾口測線

NO.	北緯	東経
1	31-30	130-35
2	31-30	130-40
3	31-25	130-43
4	31-25	130-36
5	31-20	130-36
6	31-20	130-46
7	31-15	130-45
8	31-15	130-41
9	31-10	130-40
10	31-10	130-45
11	31-05	130-39
12	31-05	130-30
13	31-00	130-30
14	31-00	130-39

STD 測点

NO.	北緯	東経
K-00	31-31-15	130-35-45
K-02	31-26-45	130-38-27
K-04	31-22-15	130-41-09
K-06	31-17-30	130-42-30
K-08	31-12-30	130-42-30
K-10	31-08-30	130-40-11
K-12	31-05-30	130-35-32
K-14	31-02-30	130-30-53
K-15	31-40-00	130-40-00
K-17	31-39-50	130-46-00
K-18	31-42-00	130-39-00

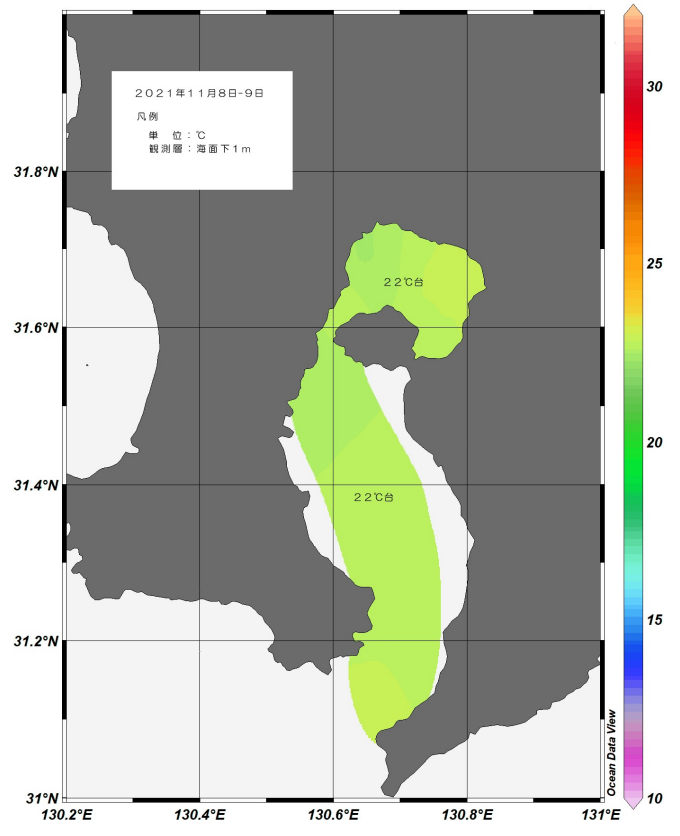
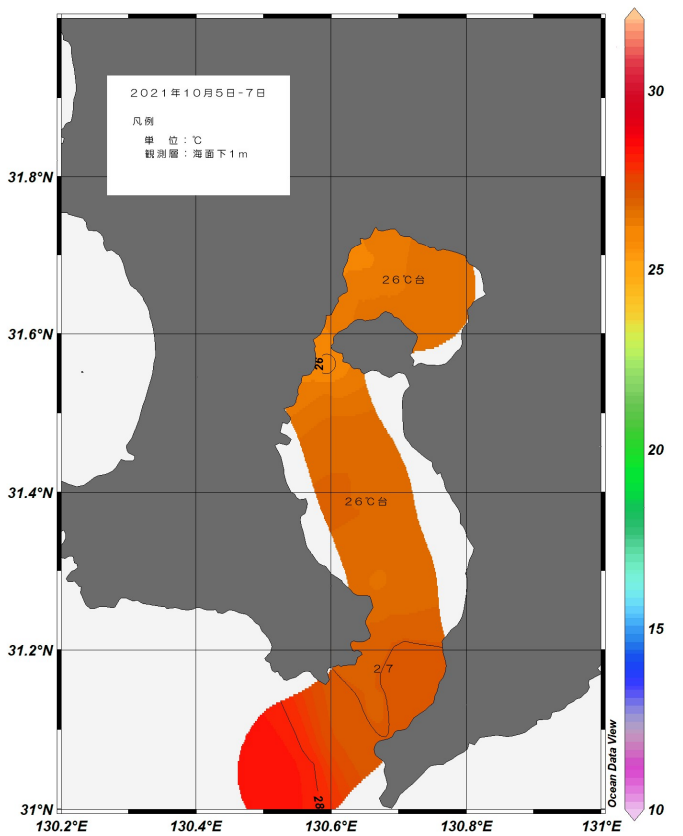
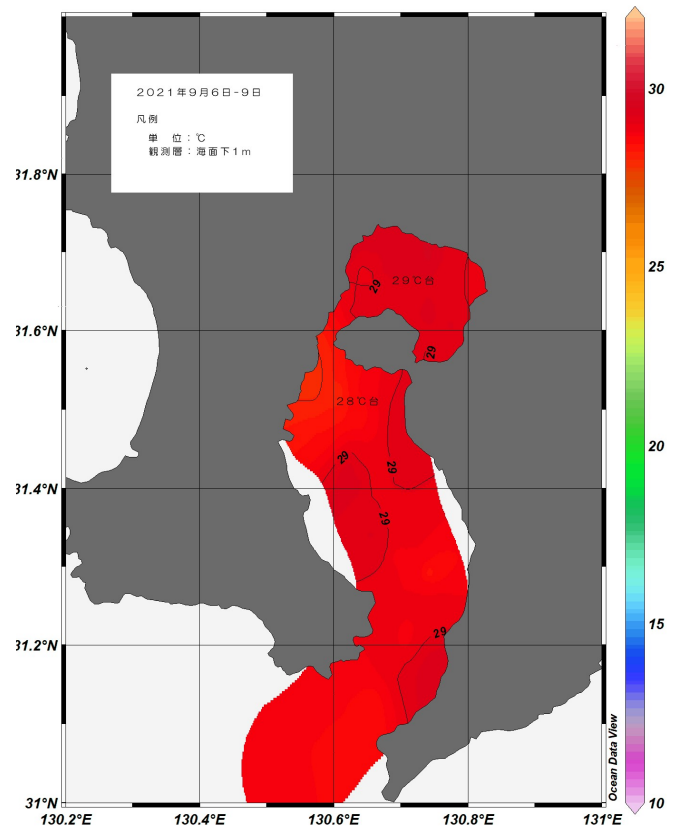
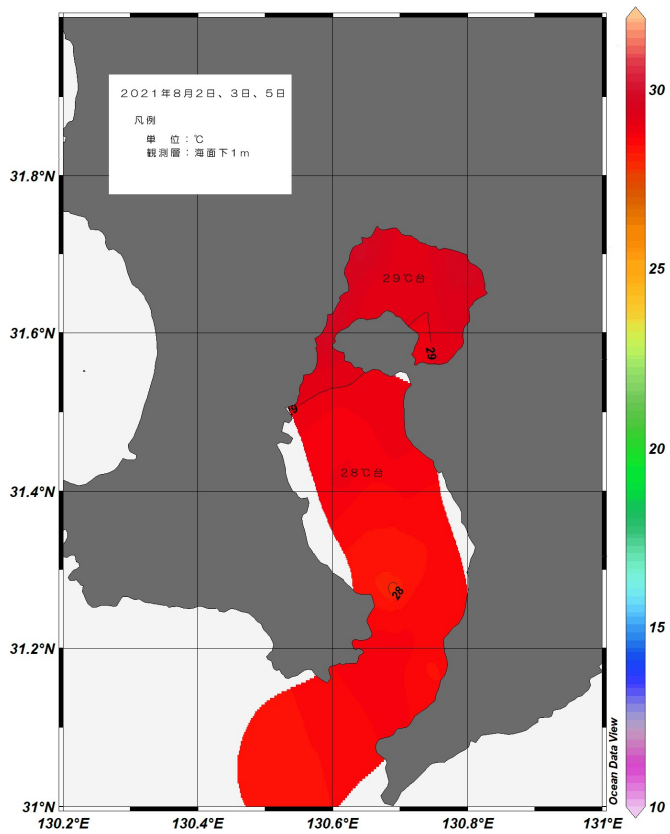




(海面下1m, 单位: °C)

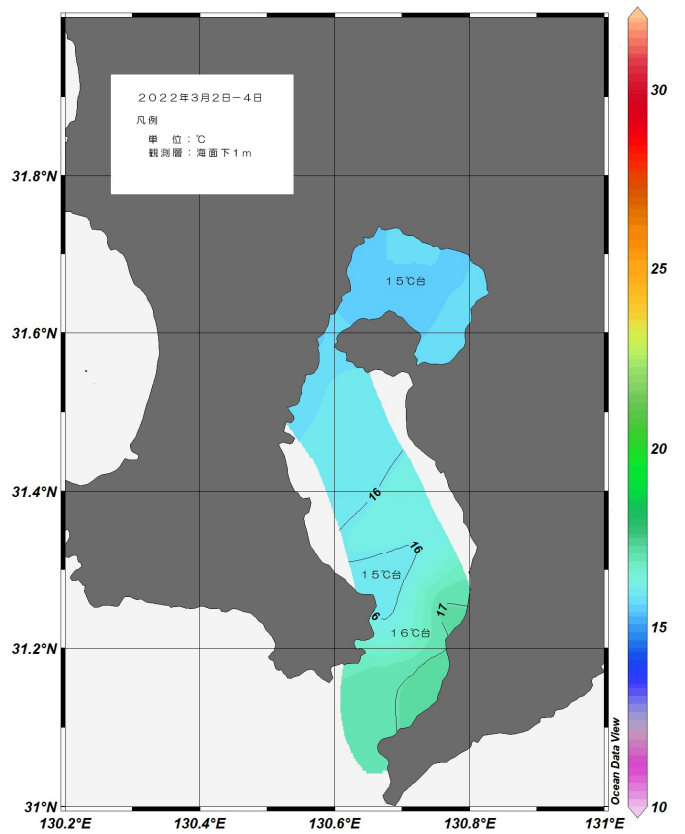
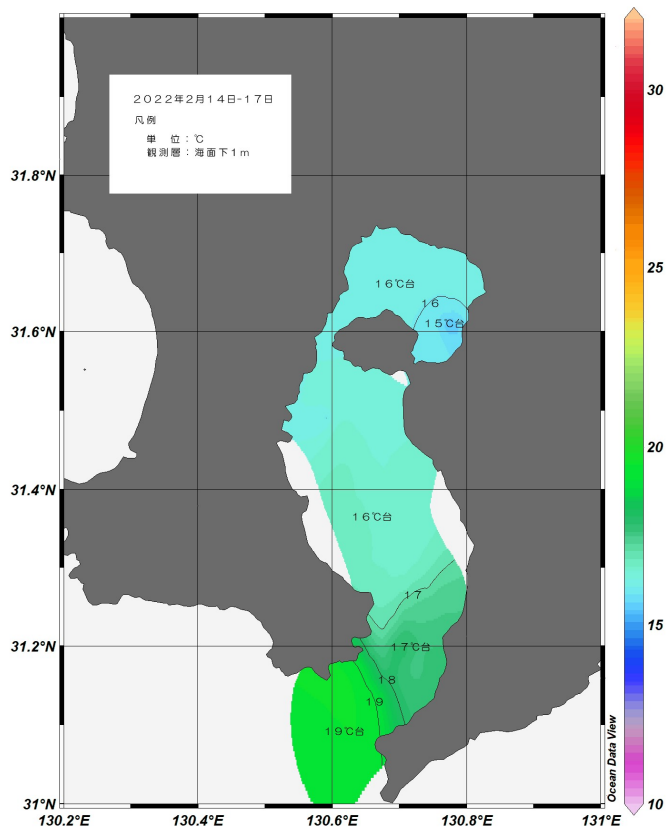
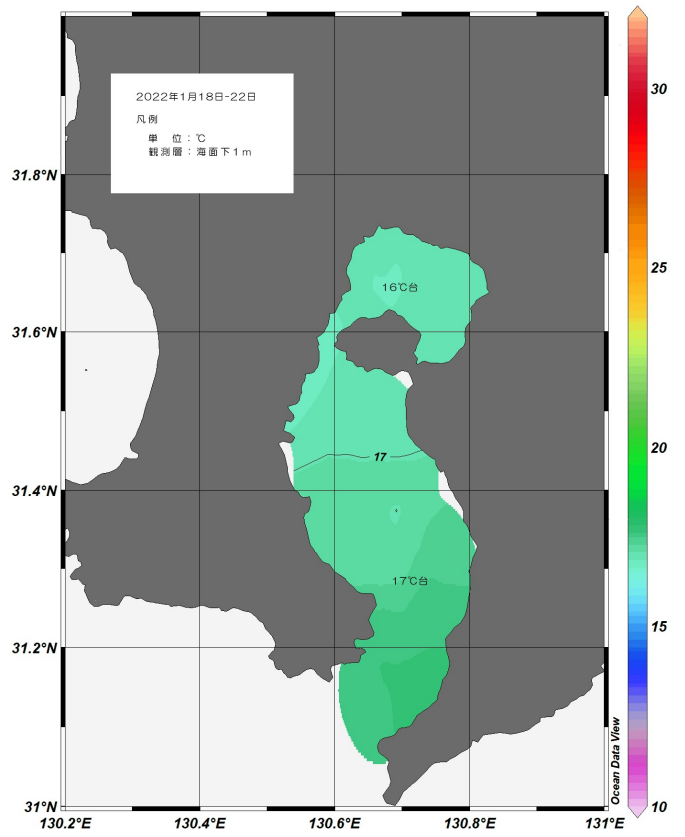
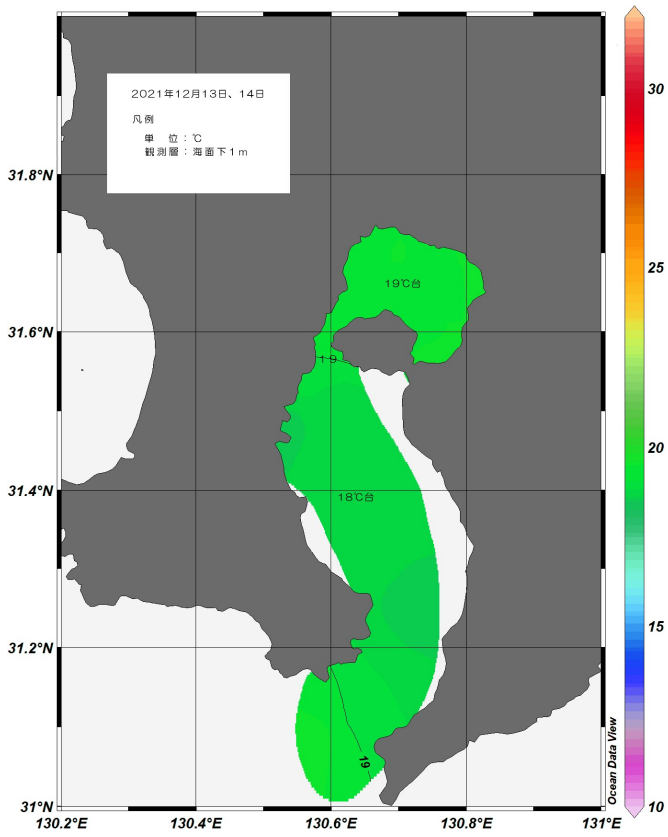
付图2 表面水温分布图 (1 / 3)





(海面下1m, 单位:°C)

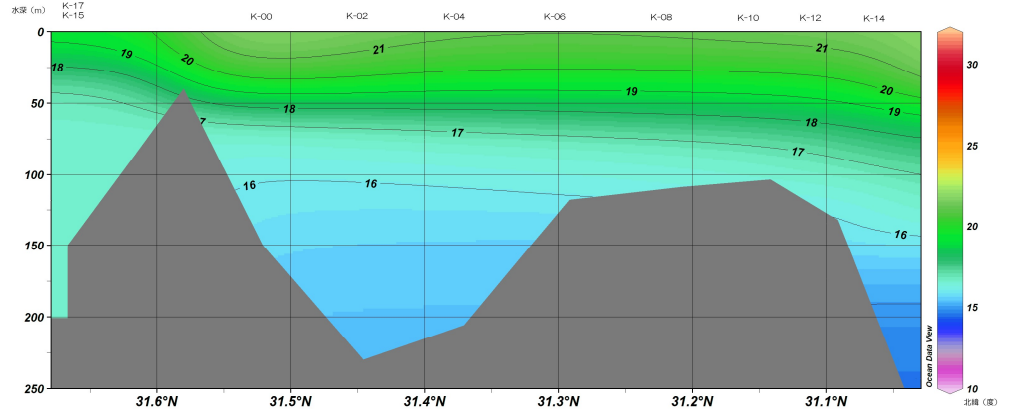
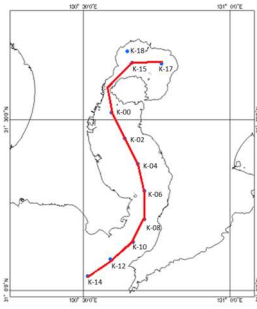
付图2 表面水温分布图 (2/3)



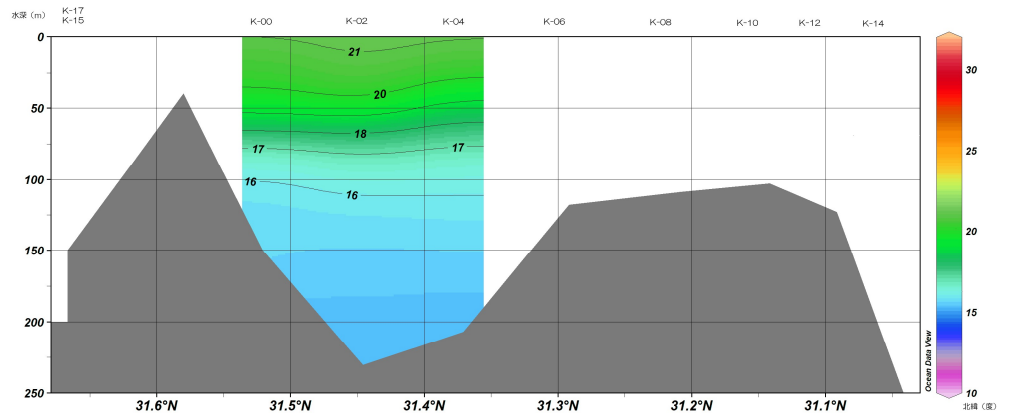
(海面下1m, 单位:℃)

付图2 表面水温分布图 (3 / 3)

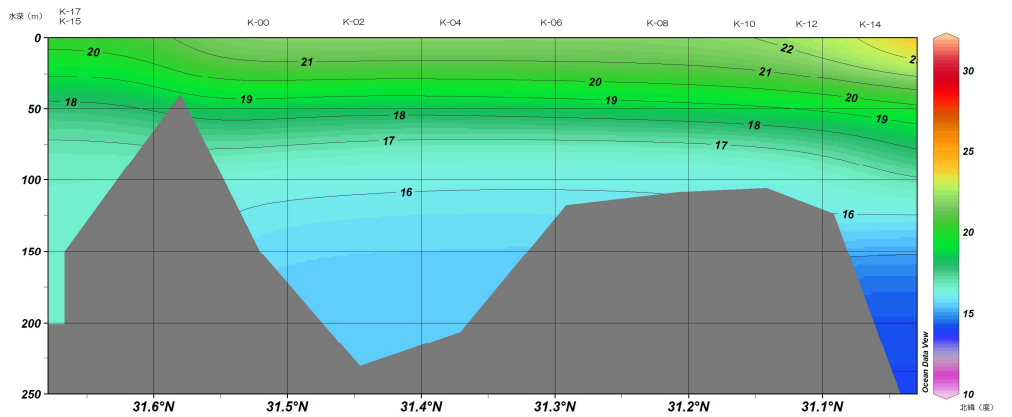
2021年4月



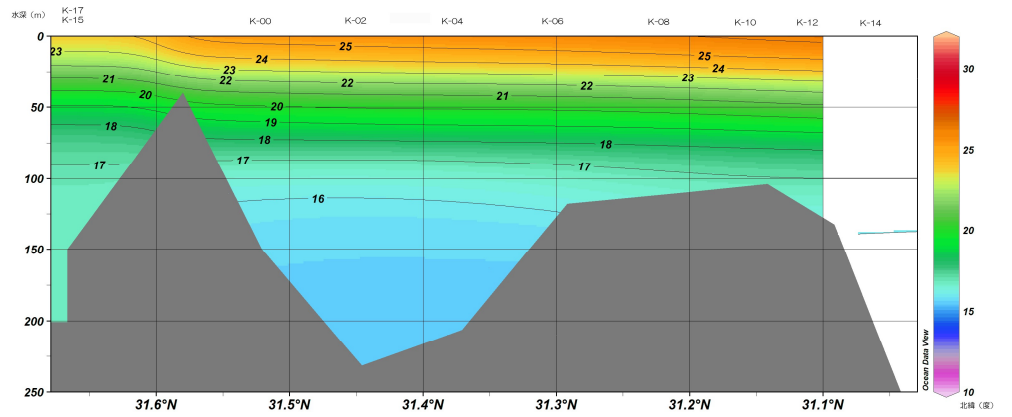
2021年5月



2021年6月

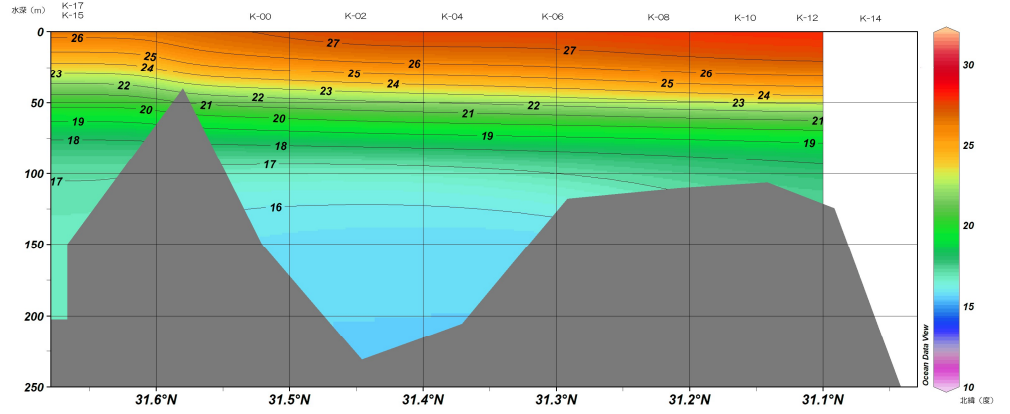
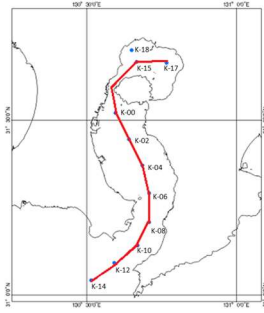


2021年7月

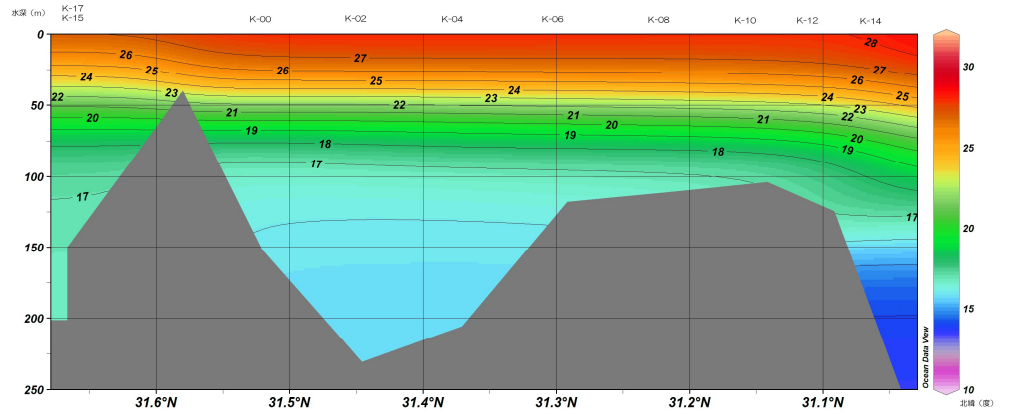


付図3 水温鉛直断面図 (1 / 3)

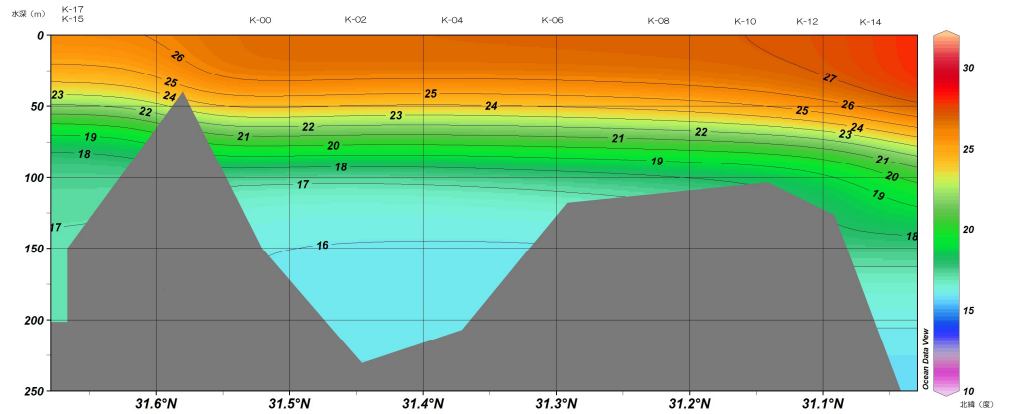
2021年8月



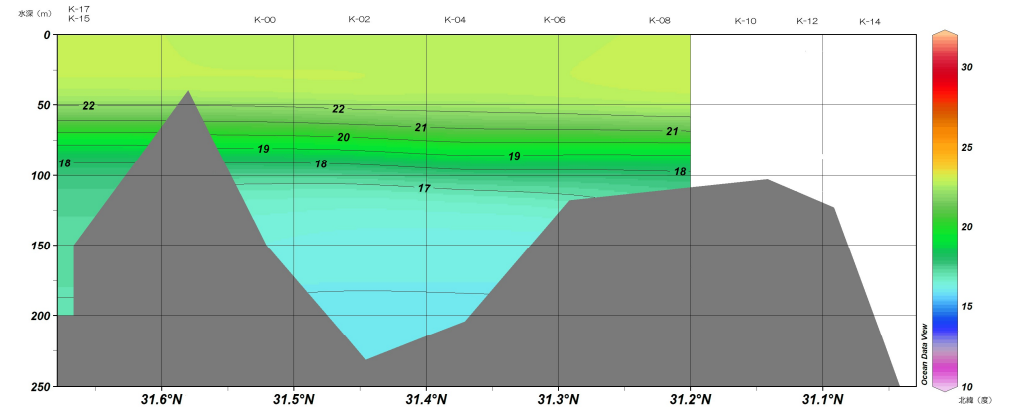
2021年9月



2021年10月

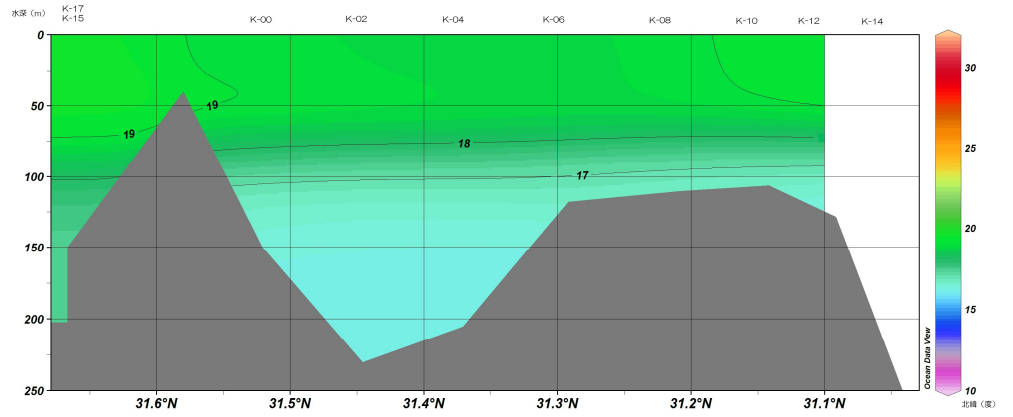
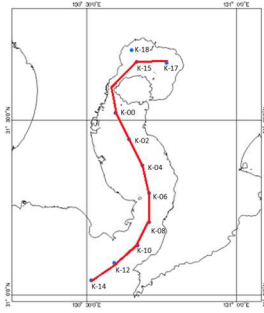


2021年11月

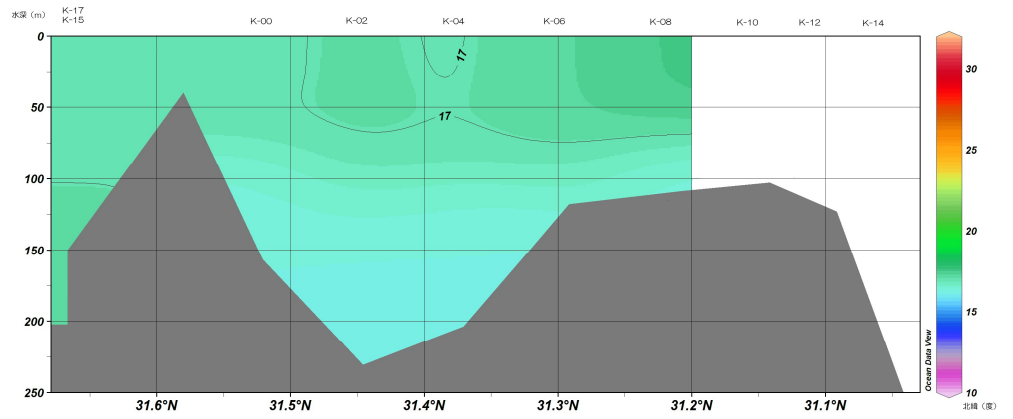


付図3 水温鉛直断面図 (2/3)

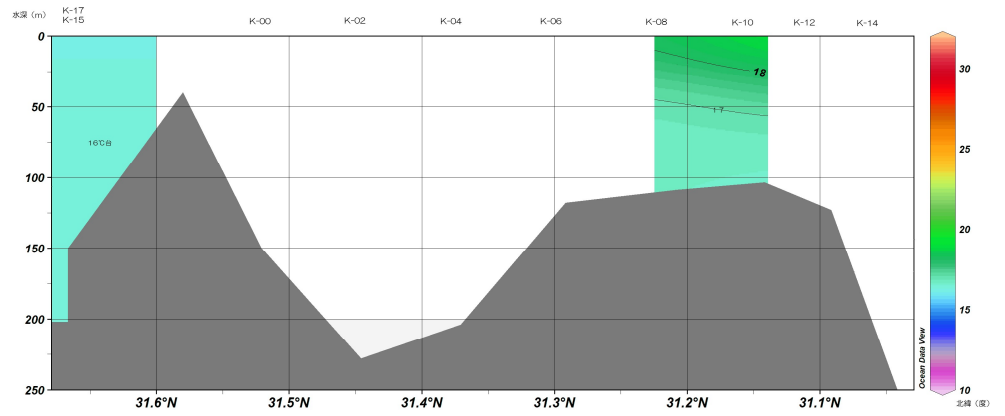
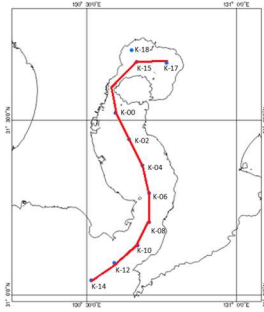
2021年12月



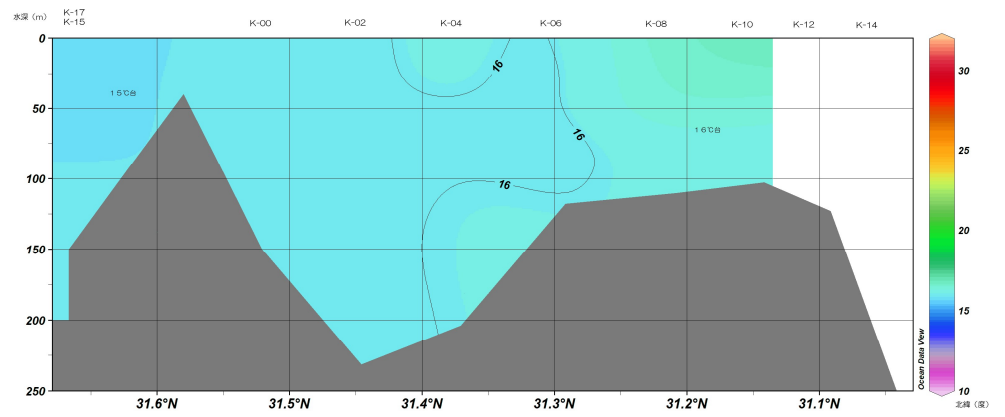
2022年1月



2022年2月

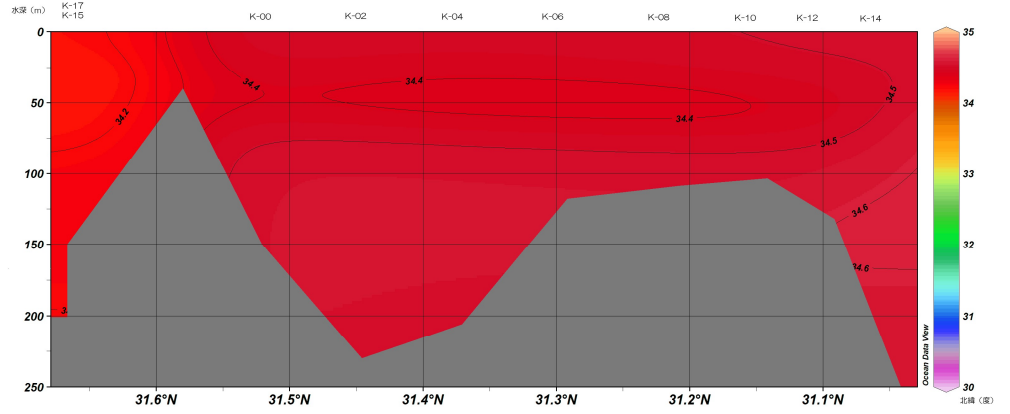
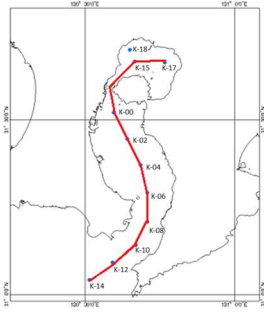


2022年3月

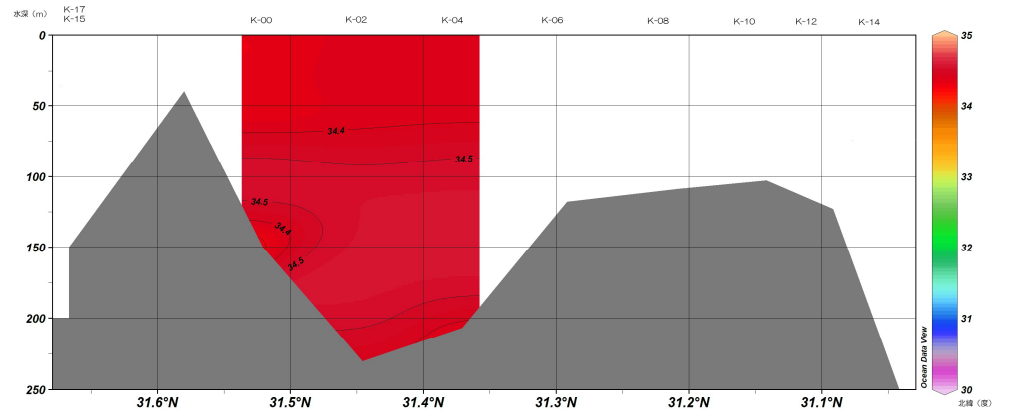
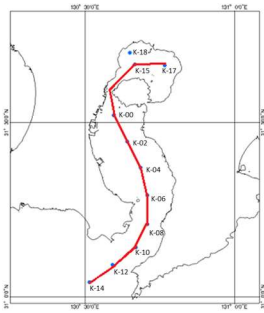


付図3 水温鉛直断面図 (3 / 3)

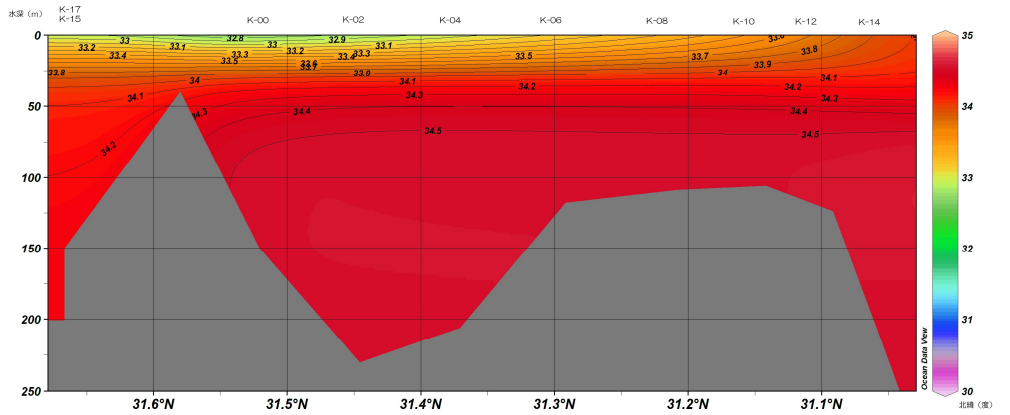
2021年4月



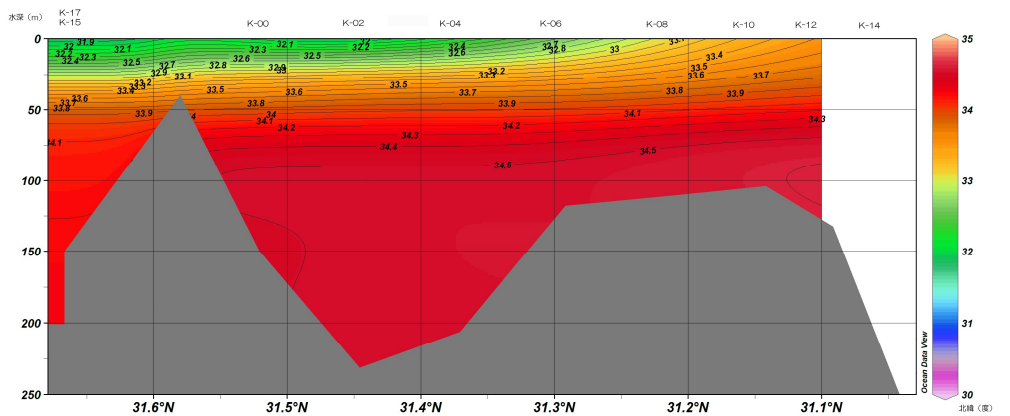
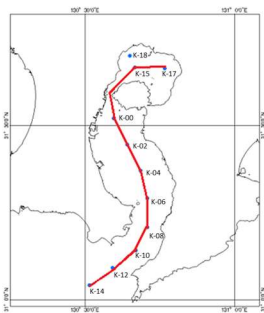
2021年5月



2021年6月

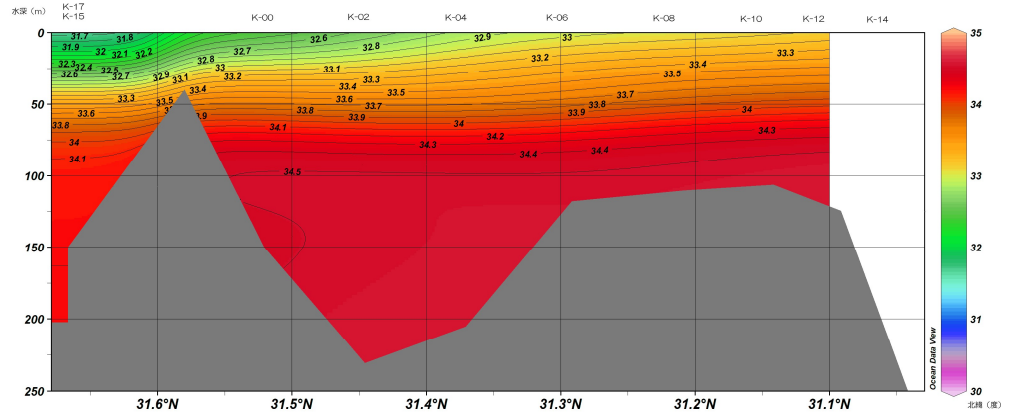


2021年7月

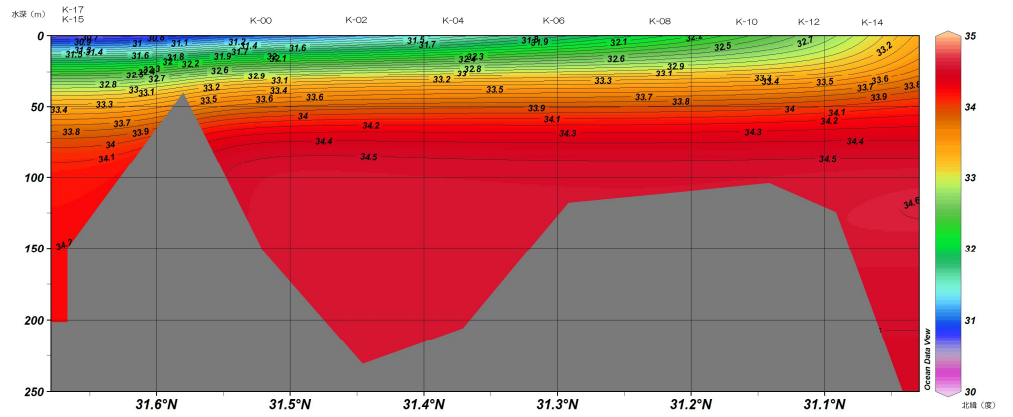


付図4 塩分鉛直断面図 (1/3)

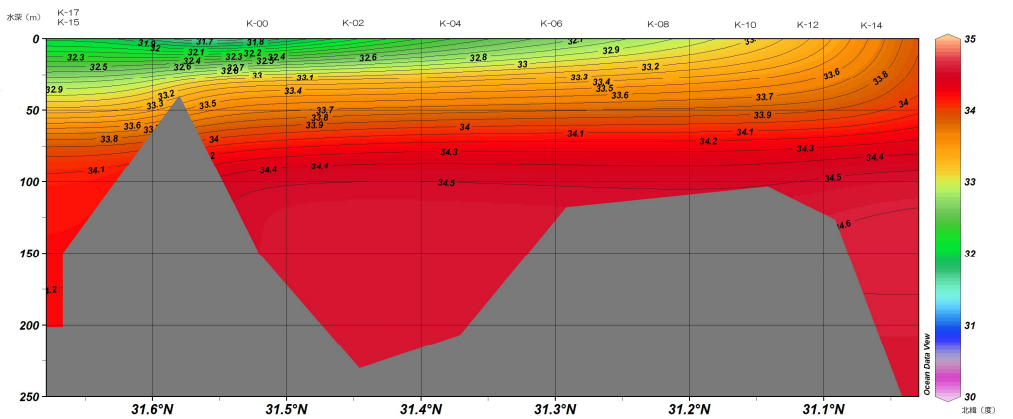
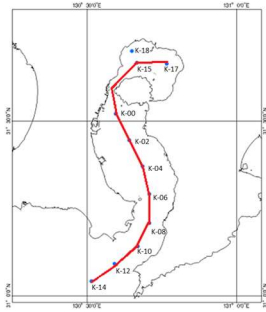
2021年8月



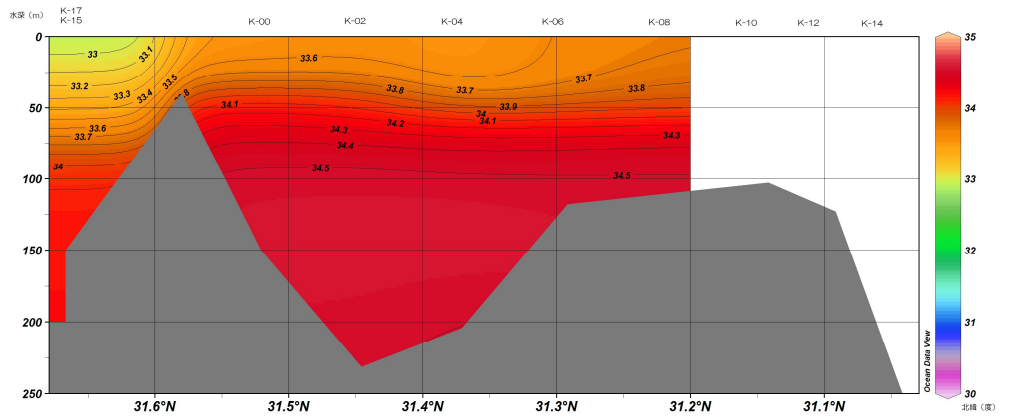
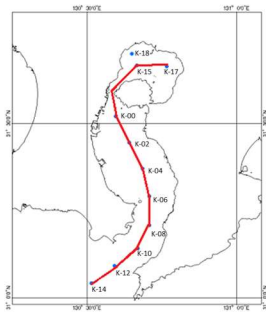
2021年9月



2021年10月

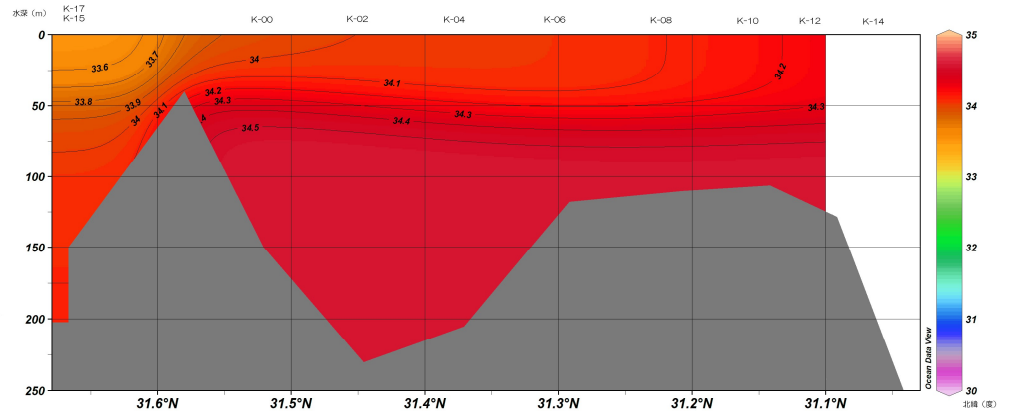
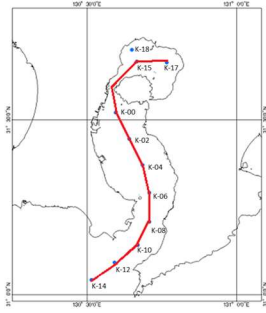


2021年11月

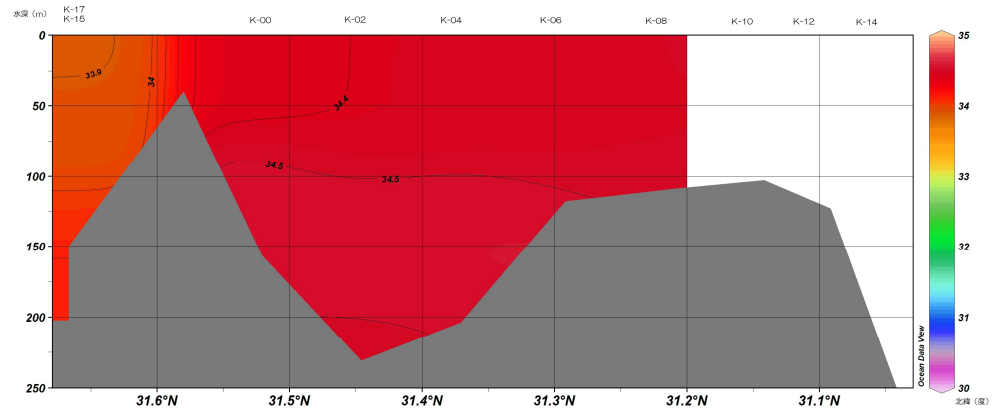
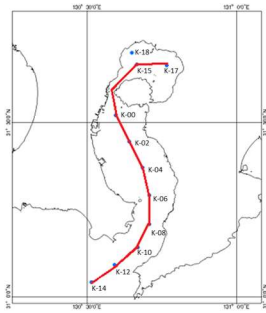


付図4 塩分鉛直断面図 (2/3)

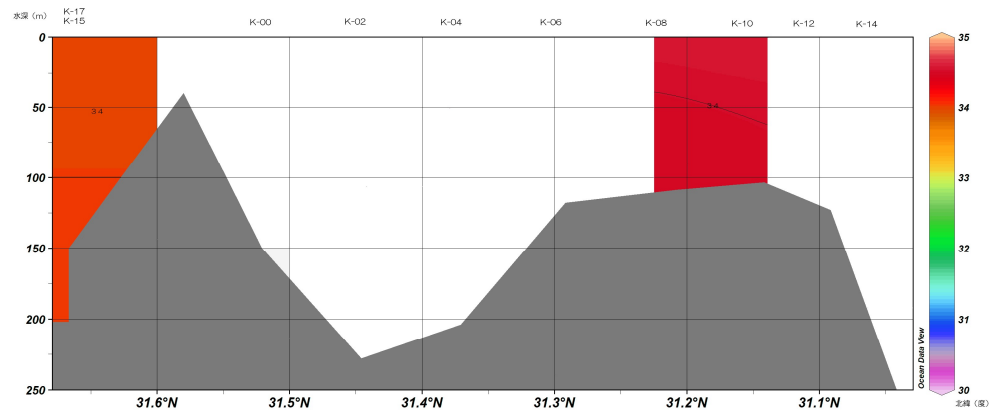
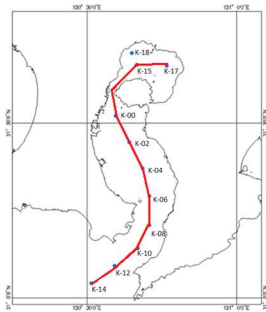
2021年12月



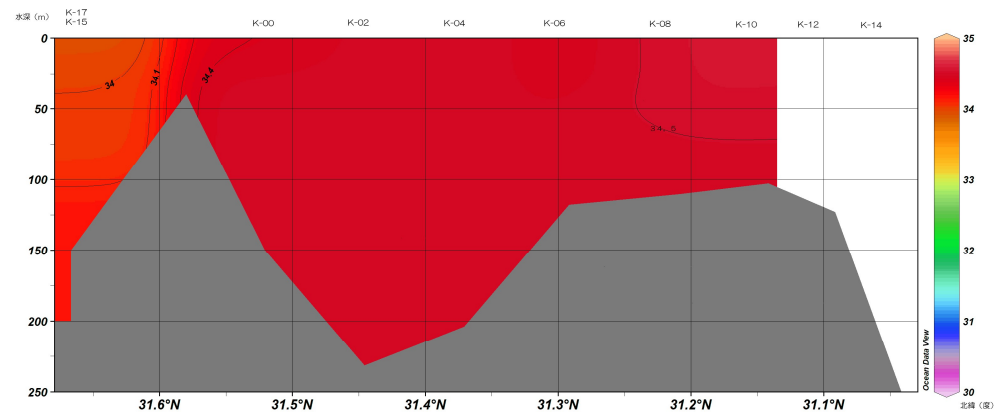
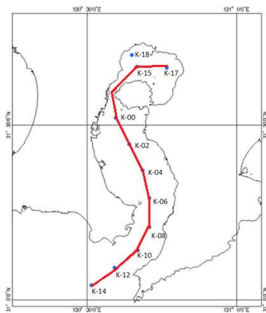
2022年1月



2022年2月



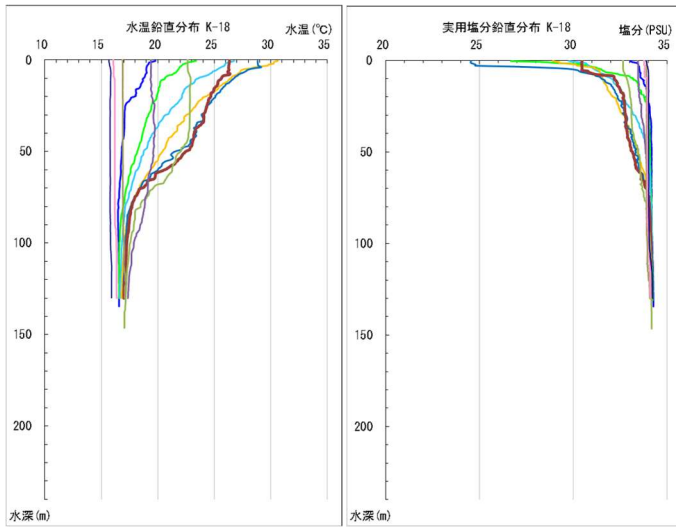
2022年3月



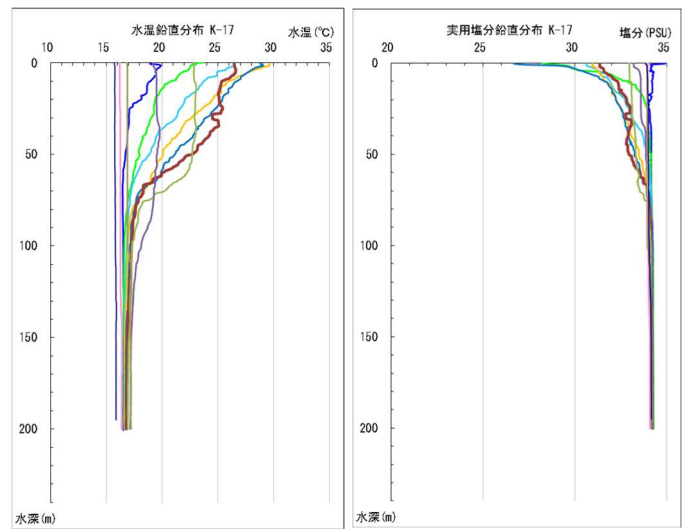
付図4 塩分鉛直断面図 (3 / 3)



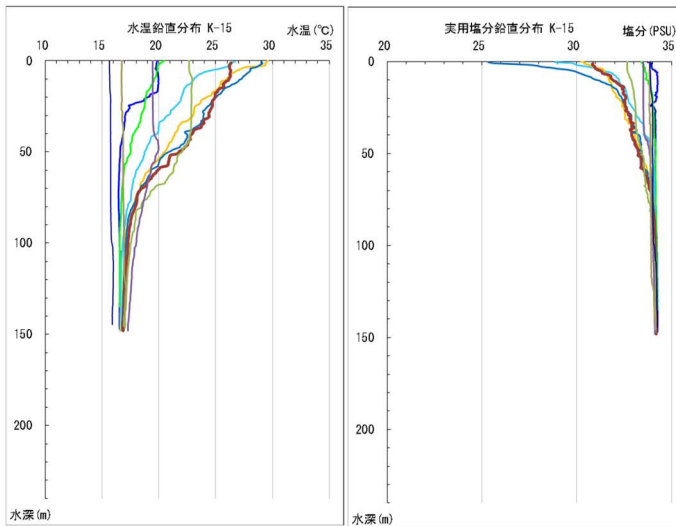
K-18



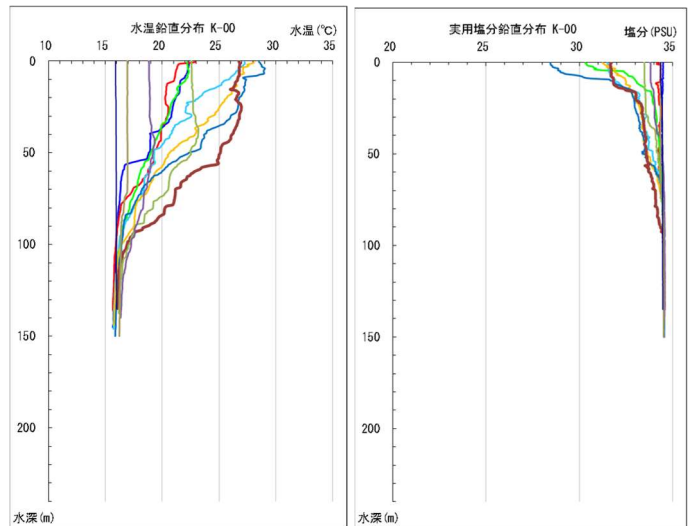
K-17



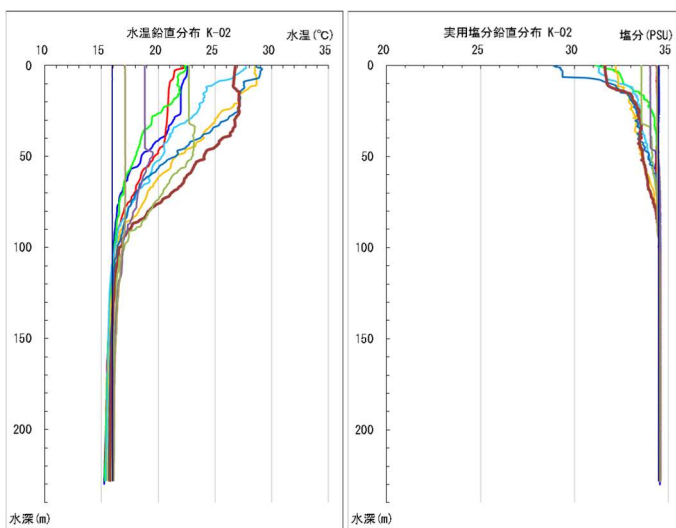
K-15



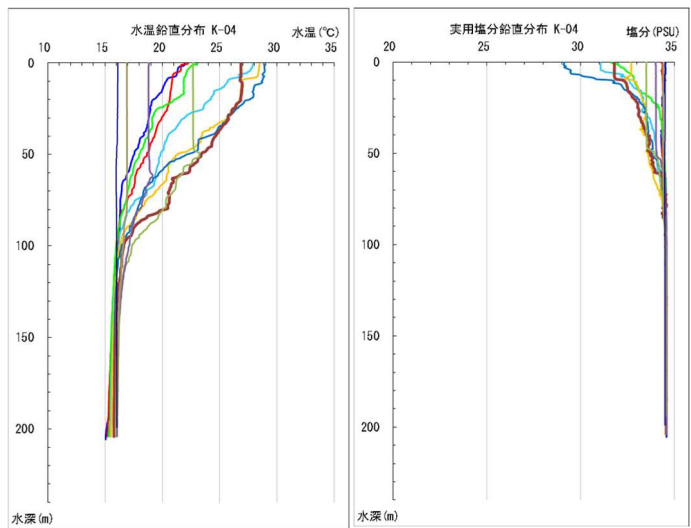
K-00



K-02



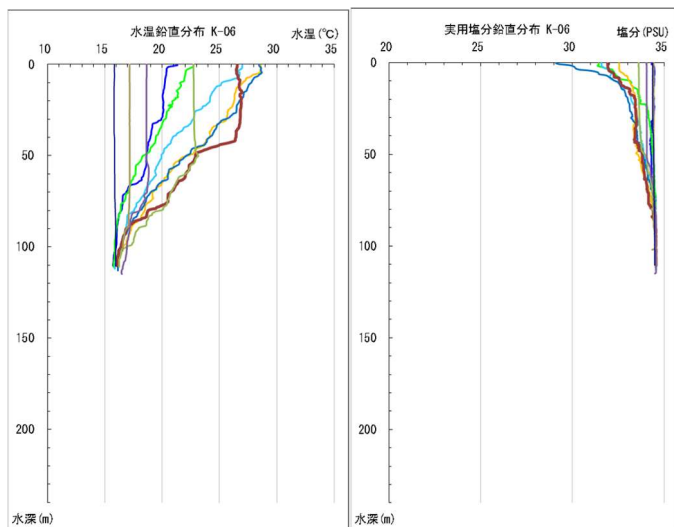
K-04



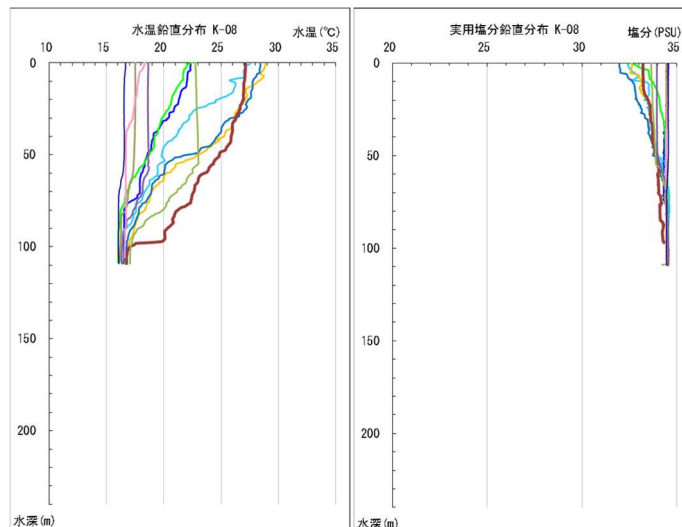
付図5 各観測点毎の水温及び塩分鉛直分布図 (1 / 2)



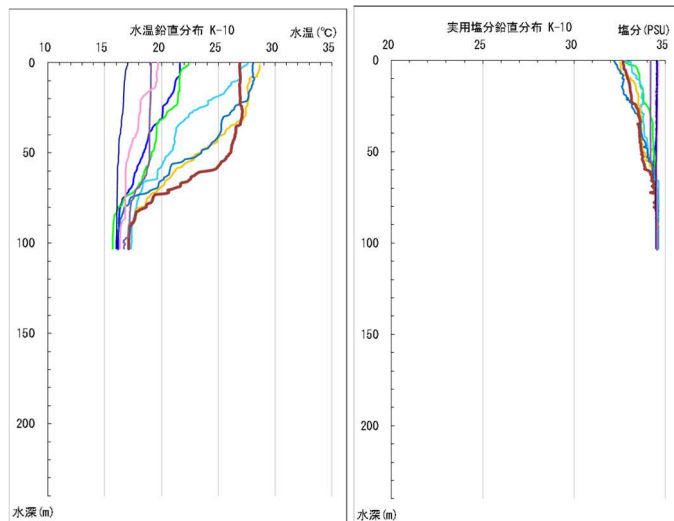
K-06



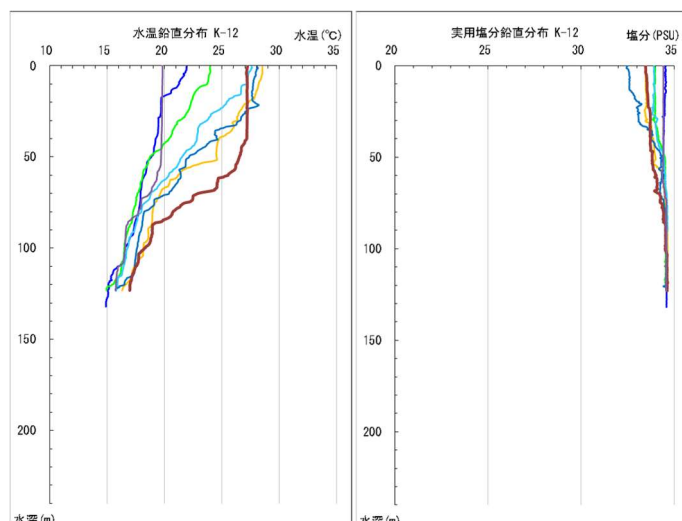
K-08



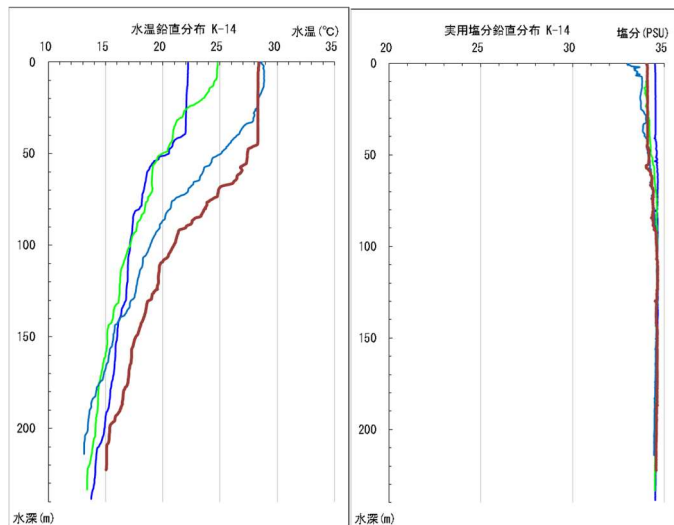
K-10



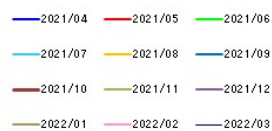
K-12



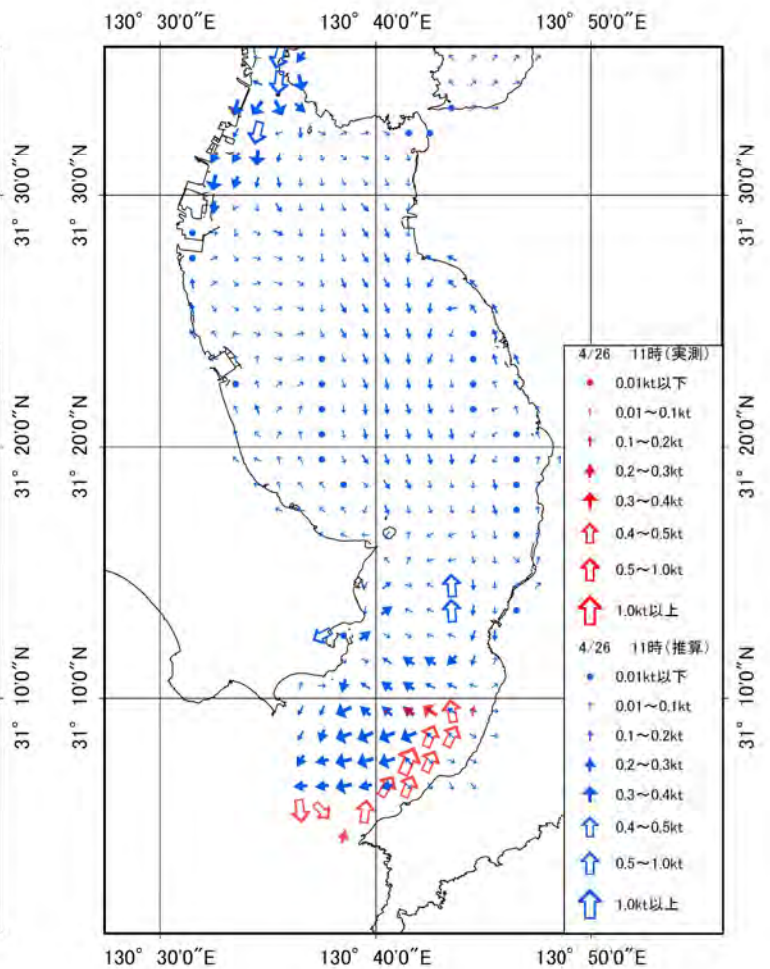
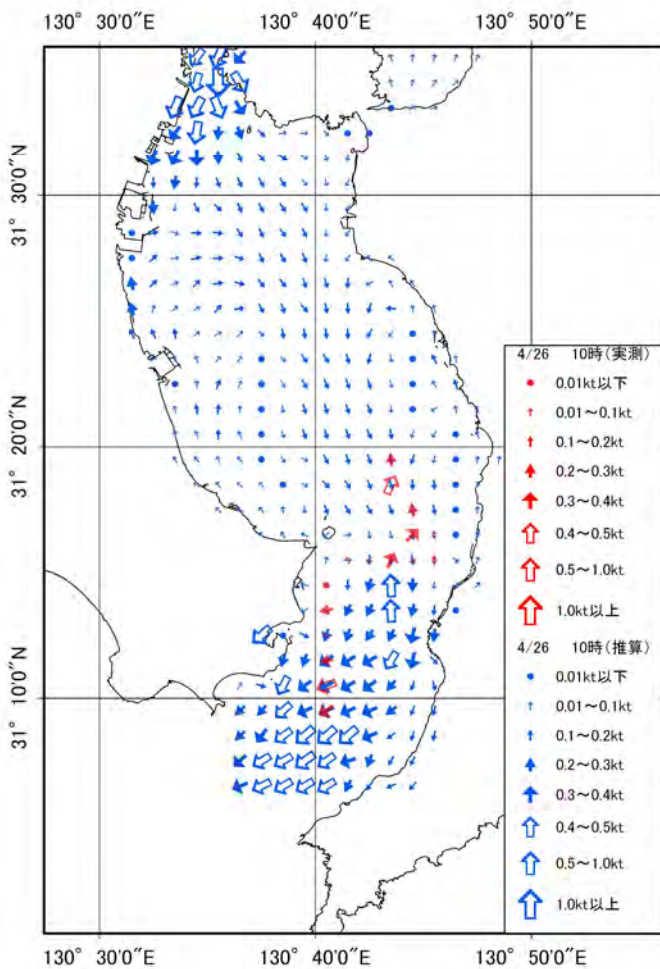
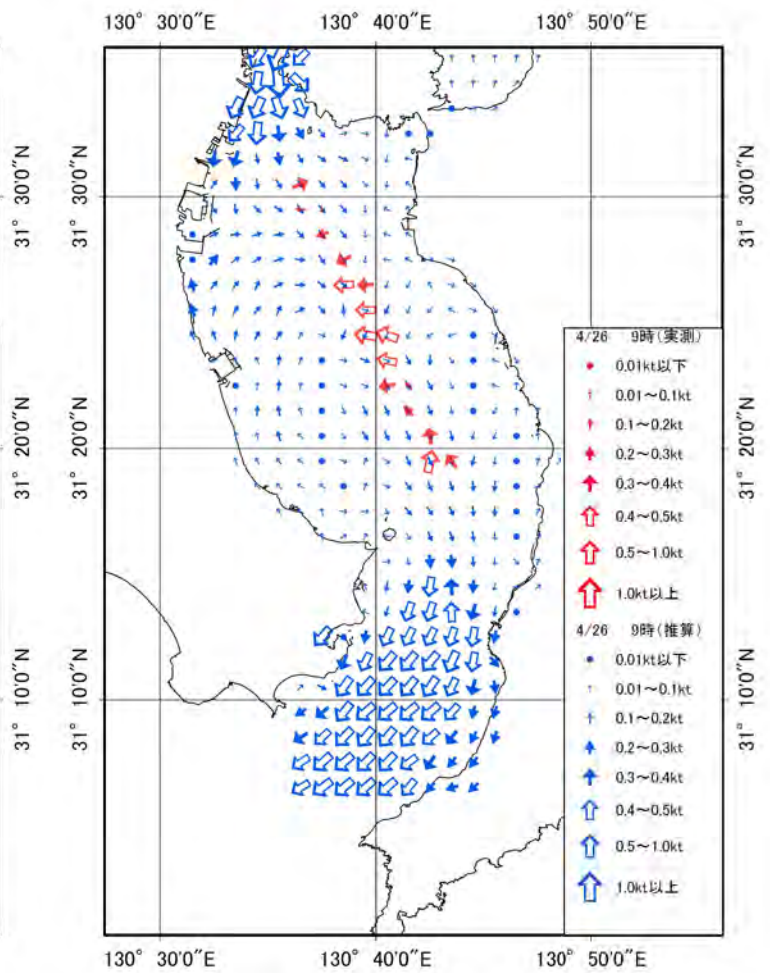
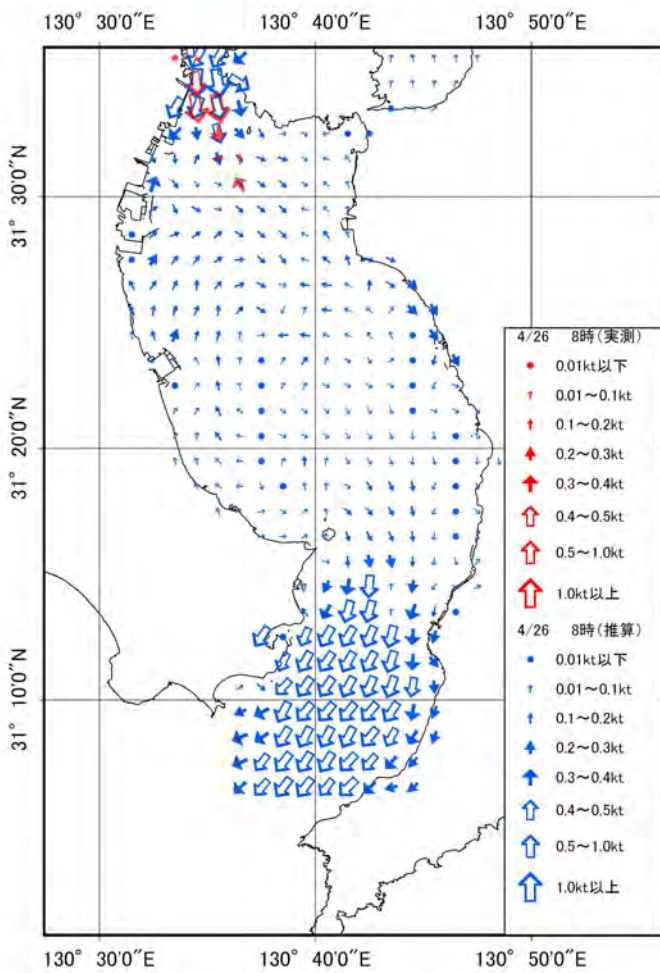
K-14



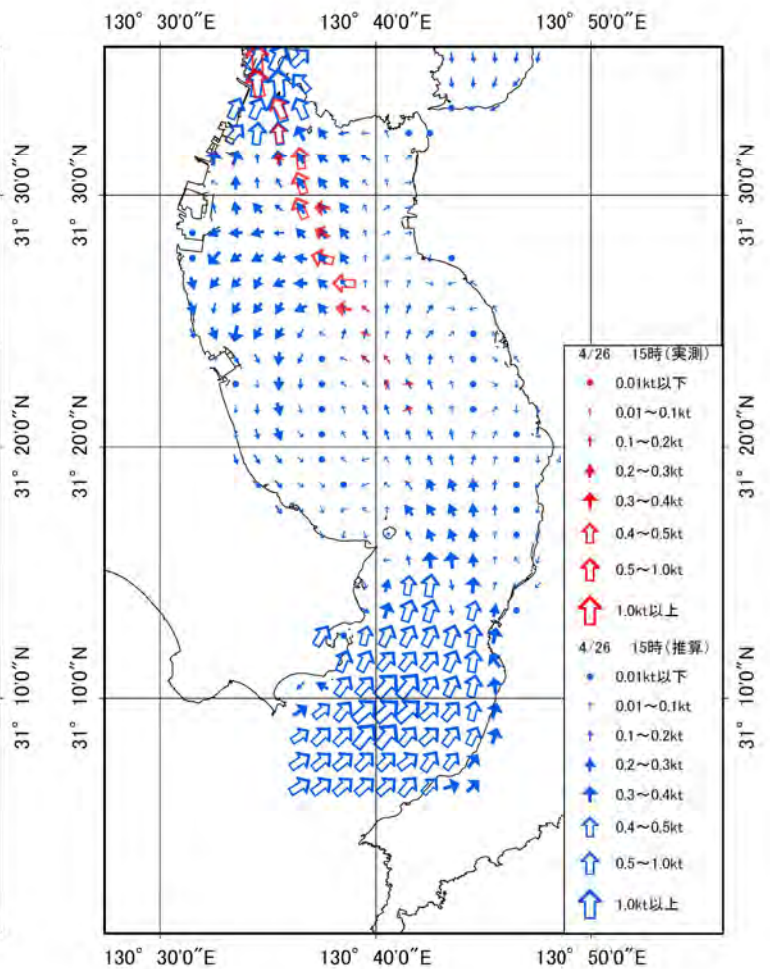
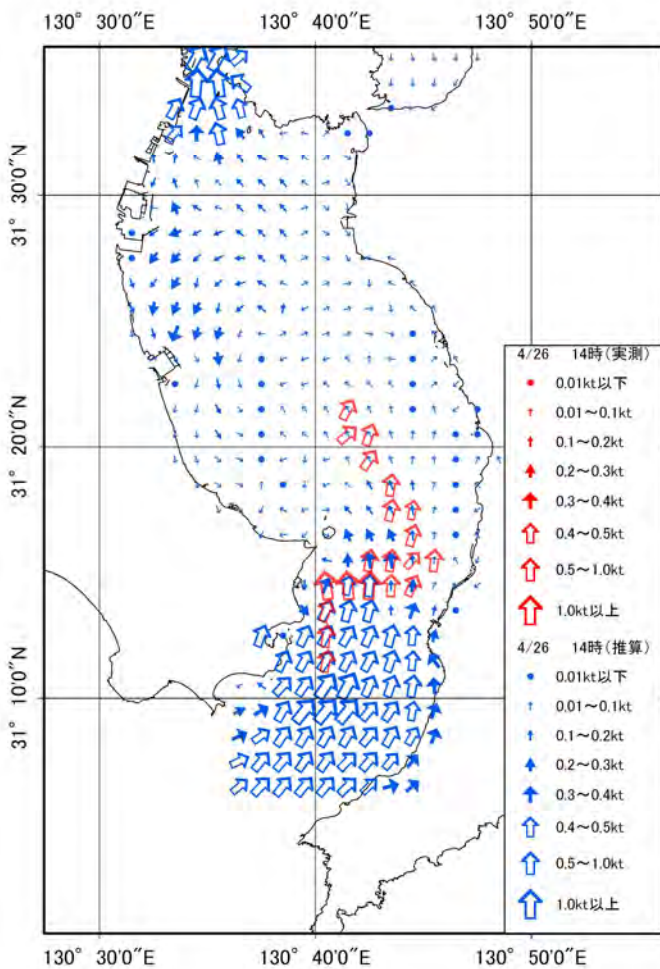
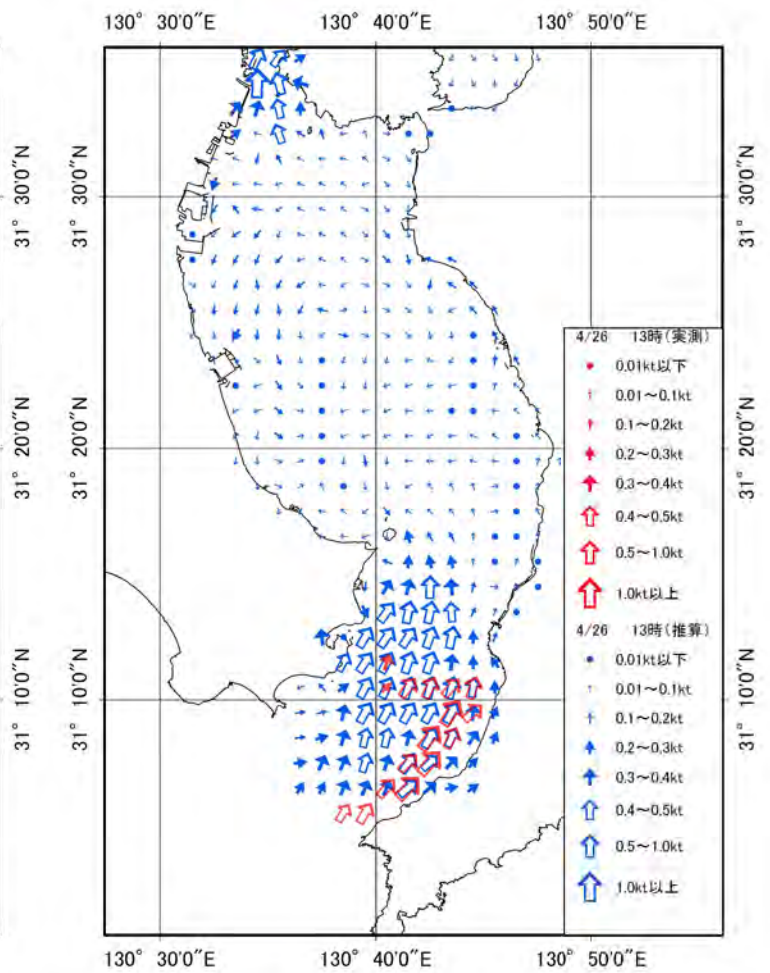
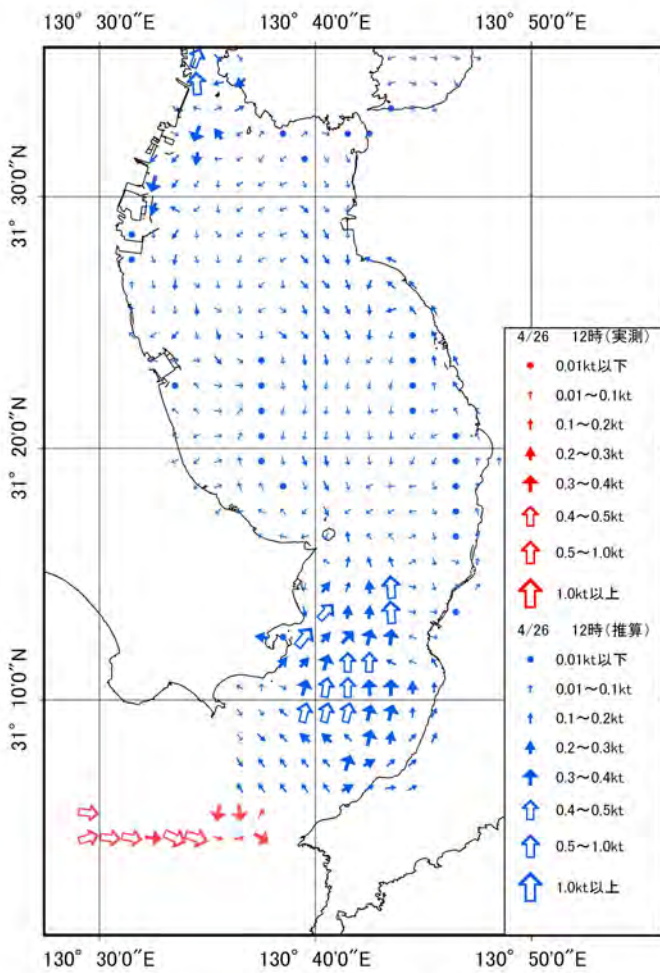
付図5 各観測点毎の水温及び塩分鉛直分布図 (2 / 2)



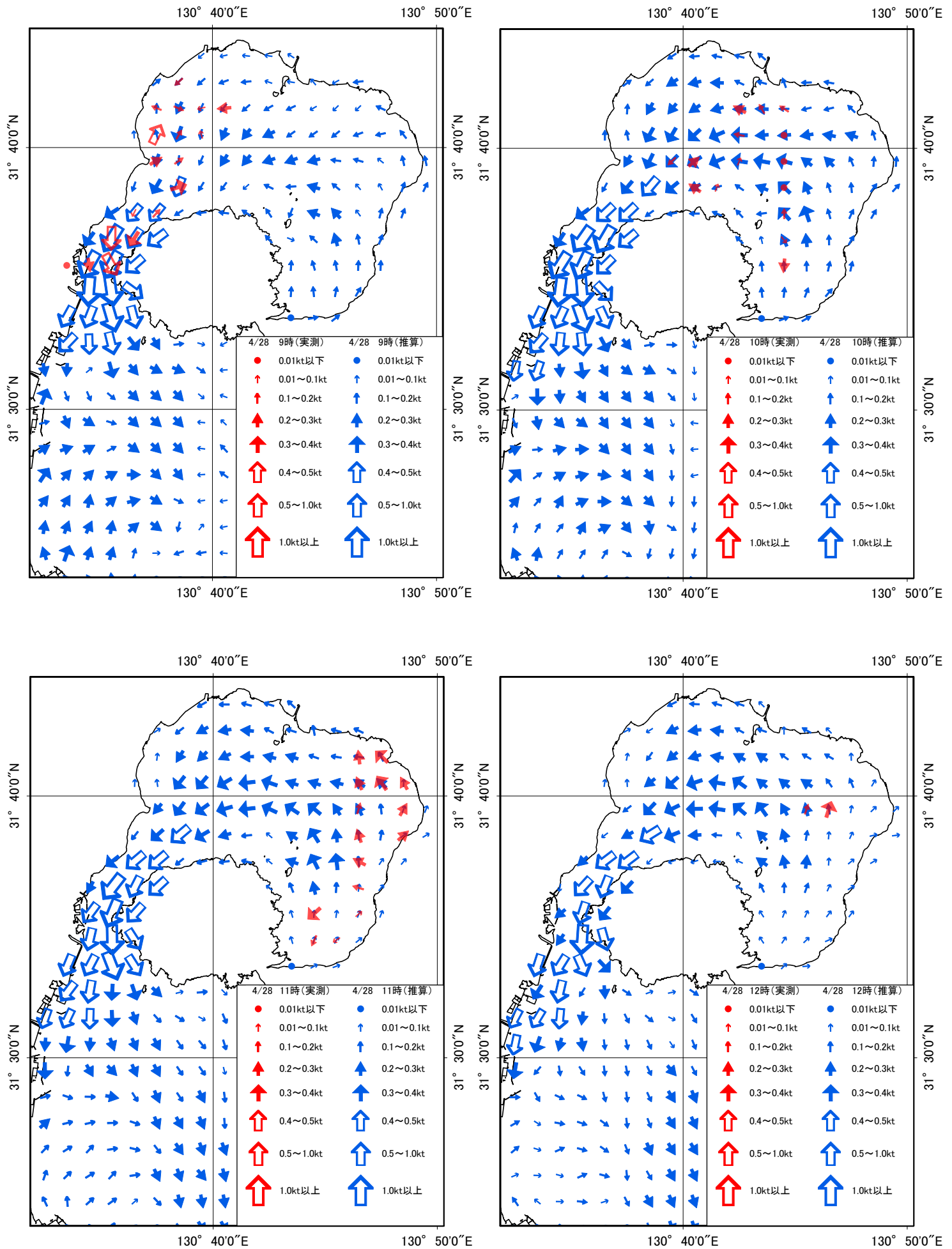
付図6-1 流況図



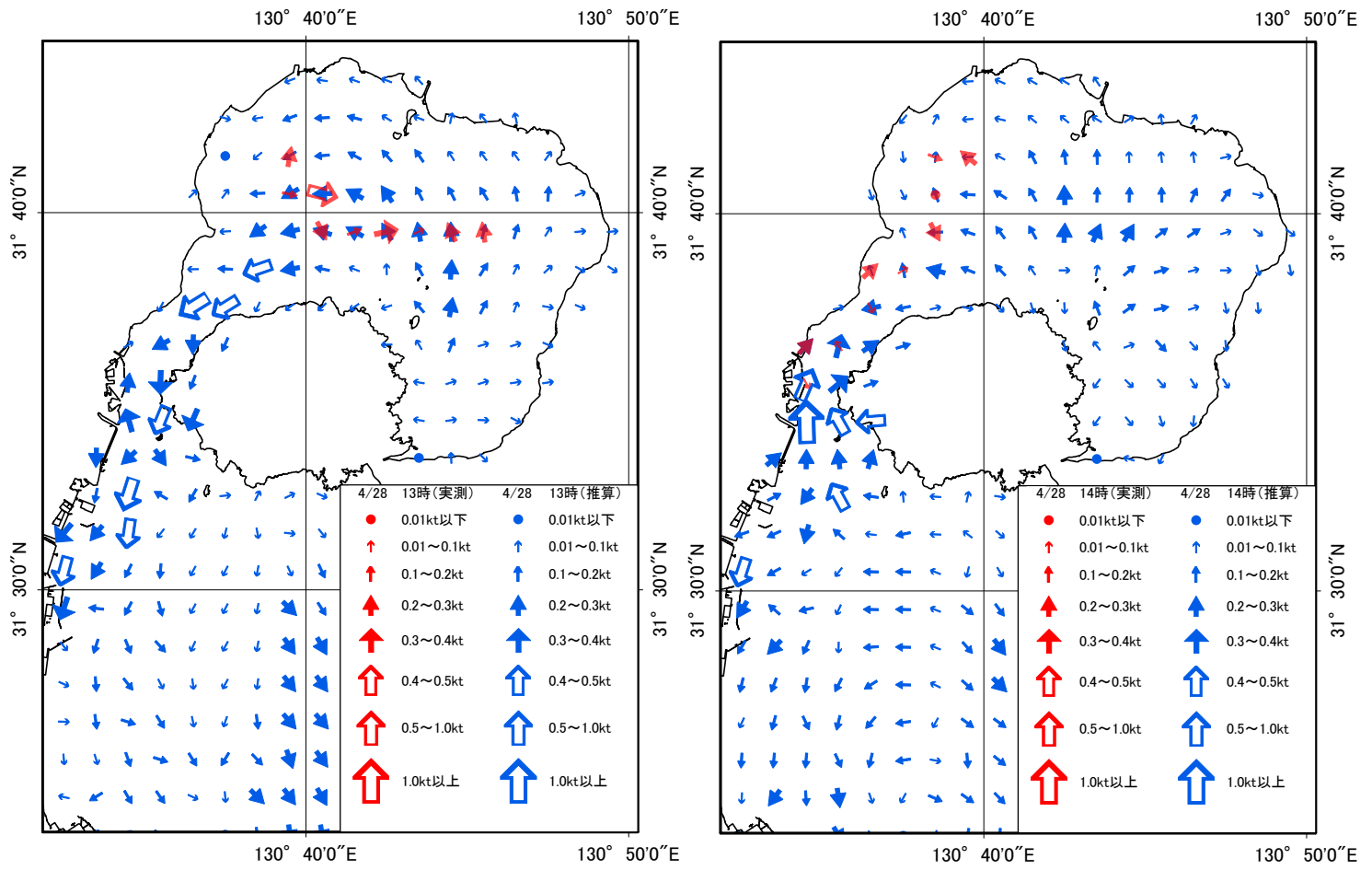
付図6-2 流況図



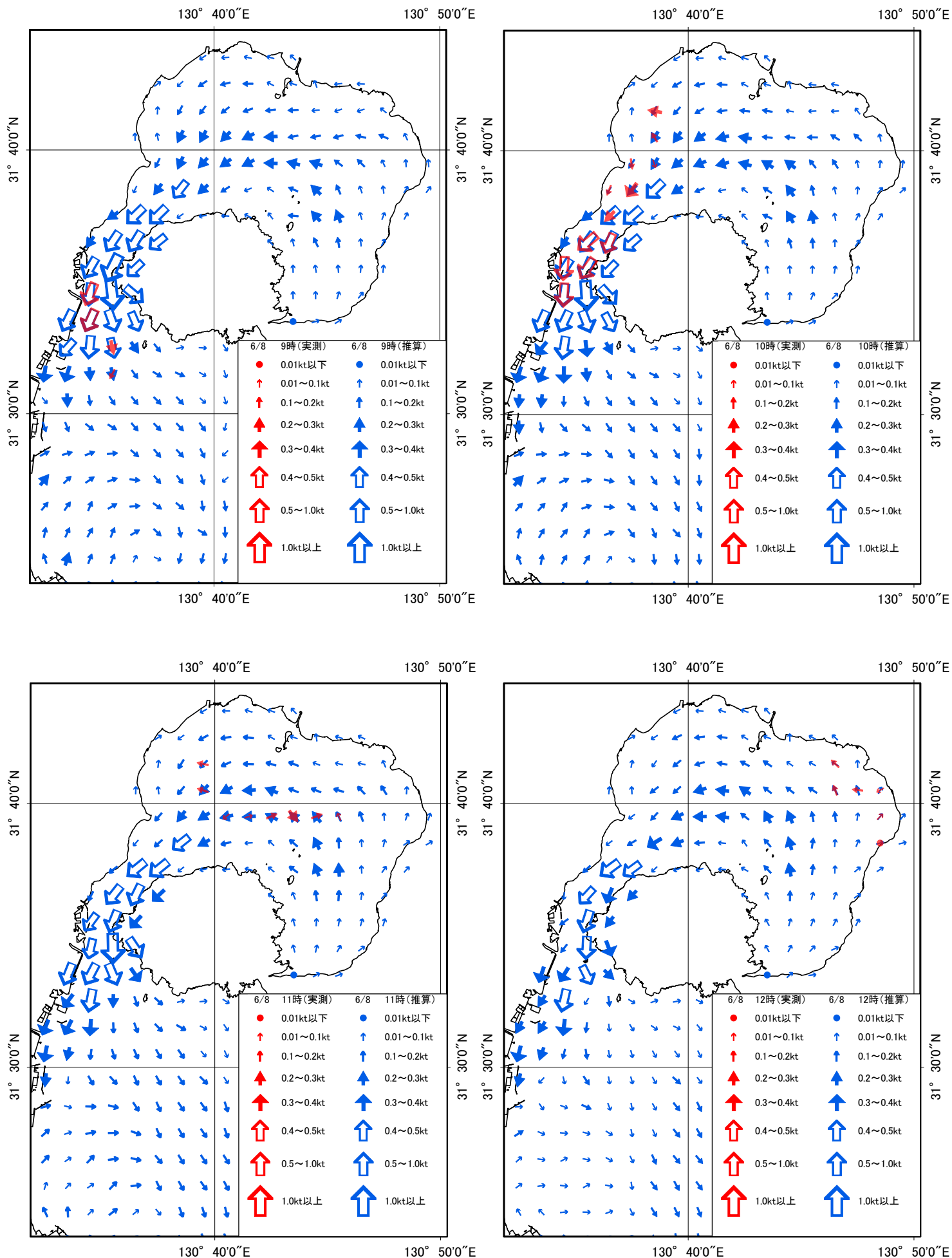
付図6-3 流況図



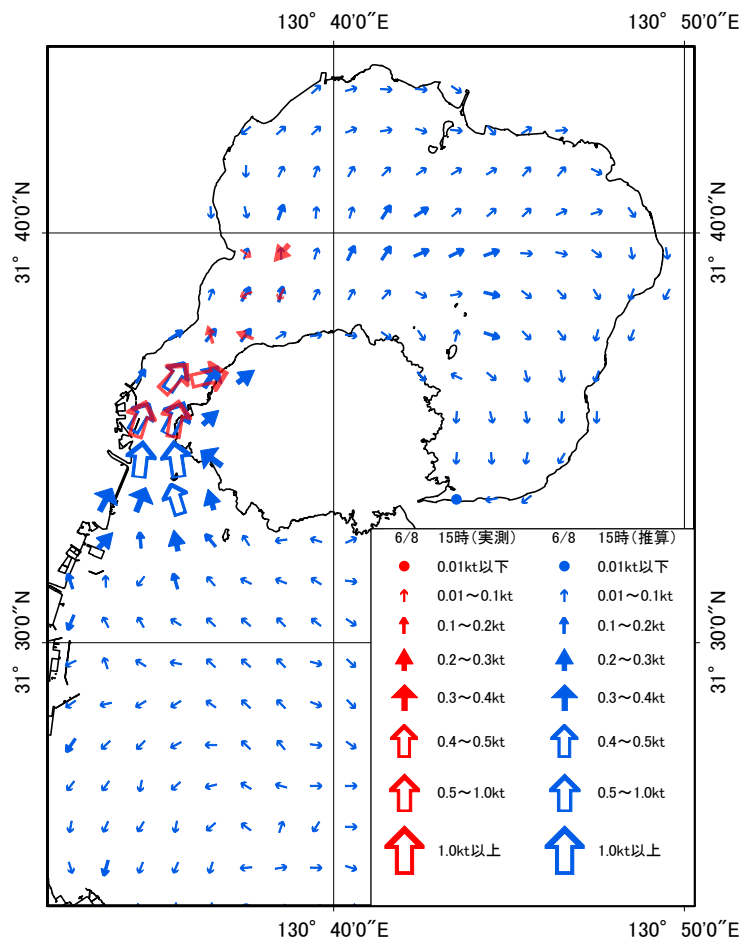
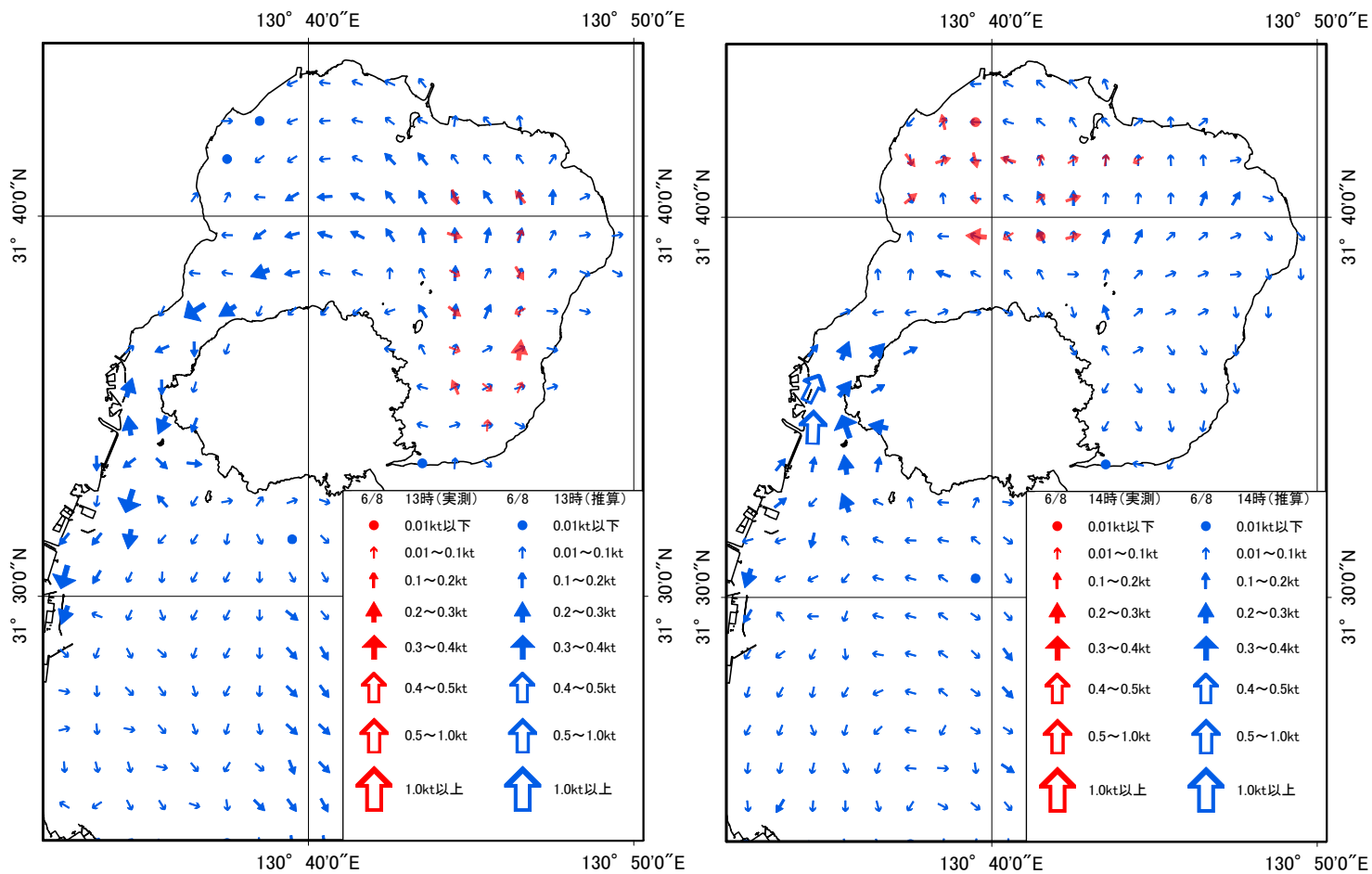
付図6-4 流況図



付図6-5 流況図

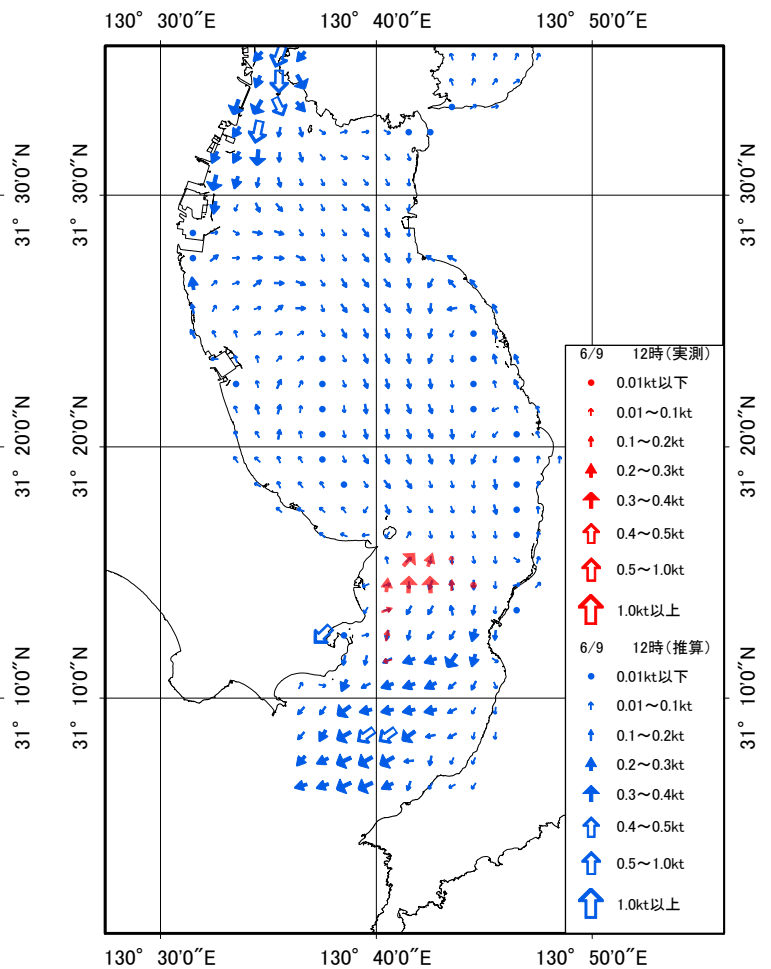
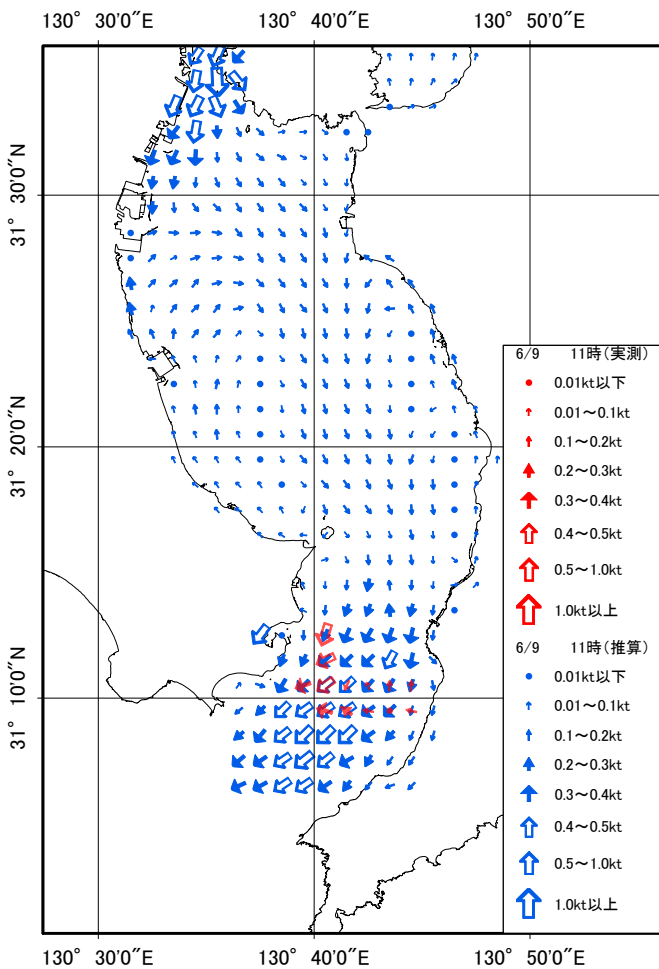
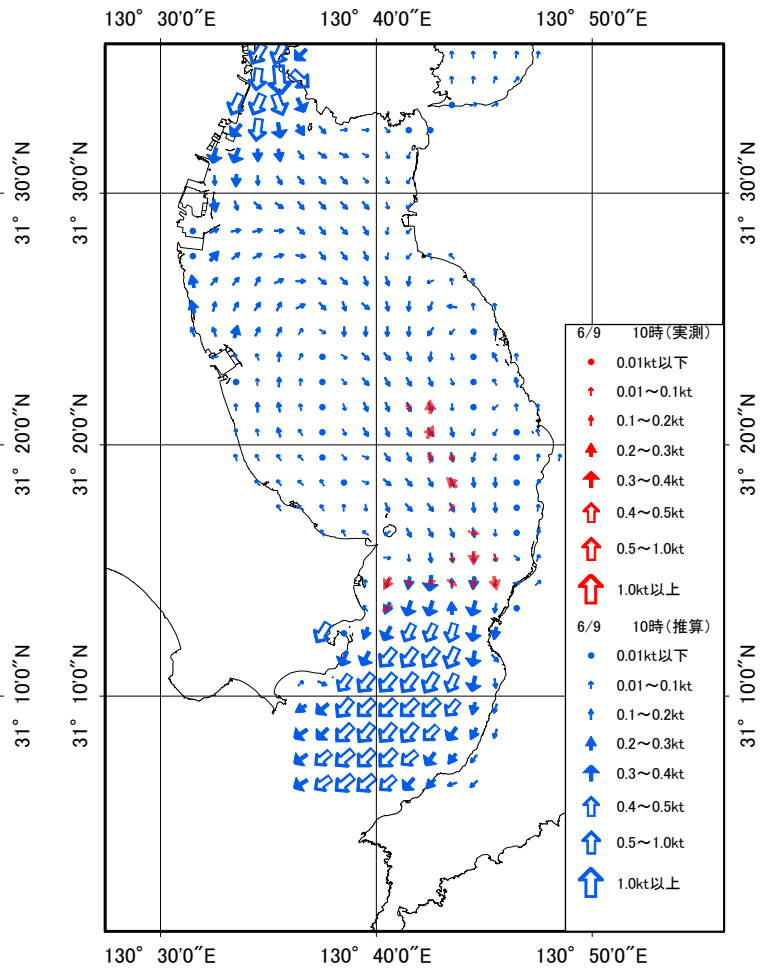
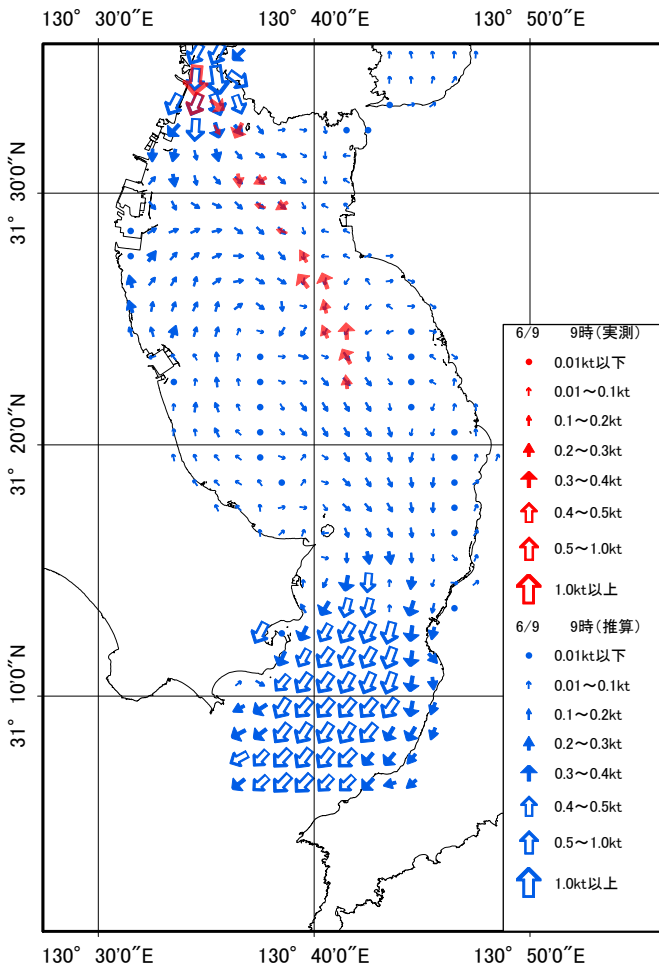


付図6-6 流況図

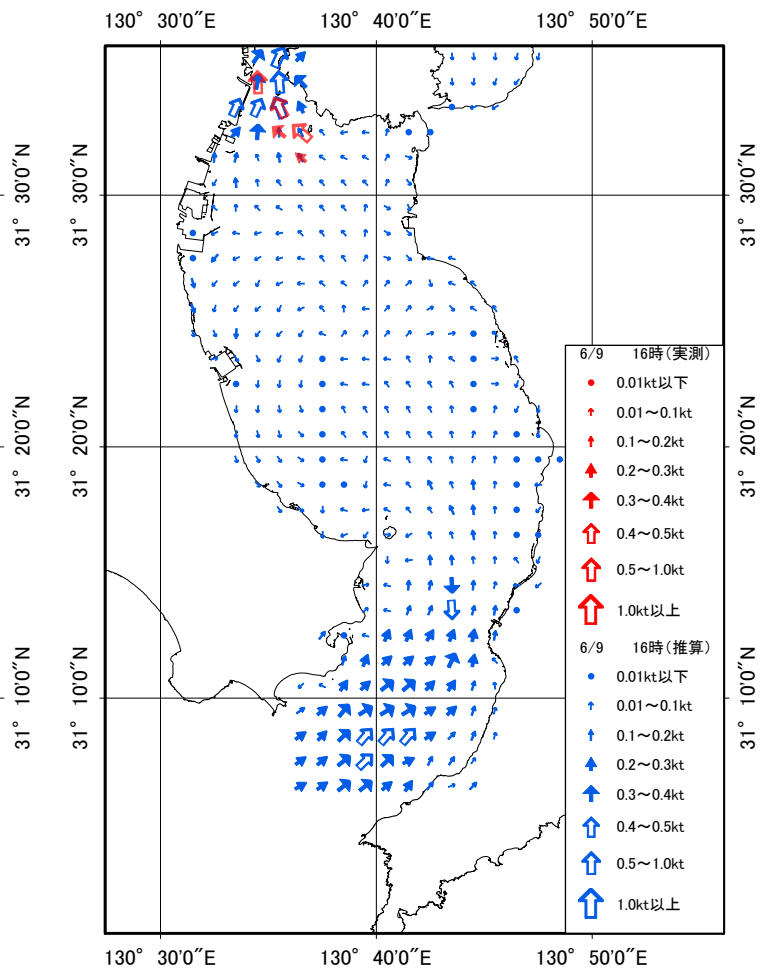
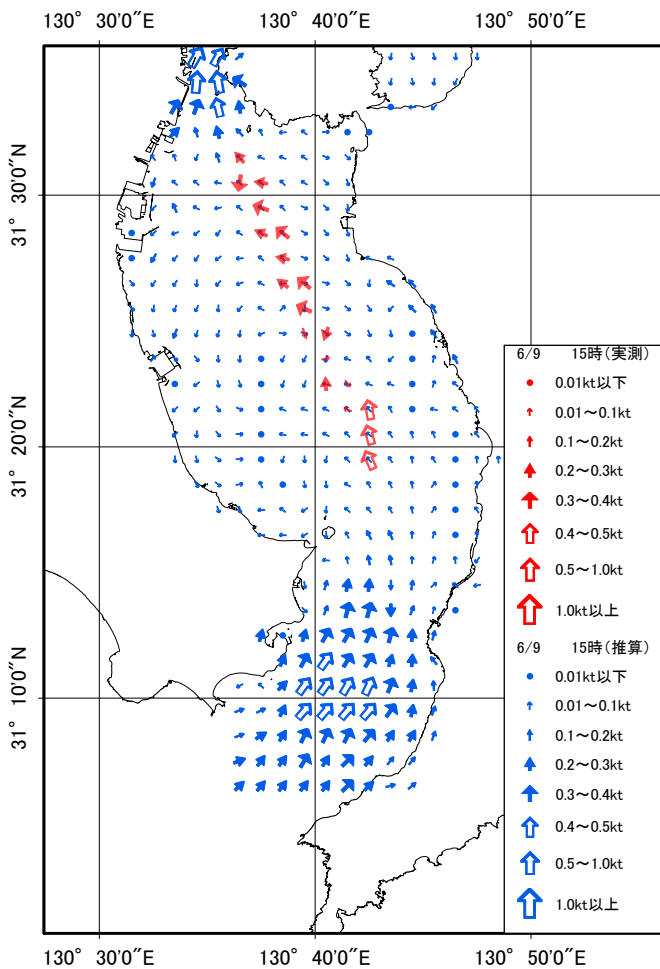
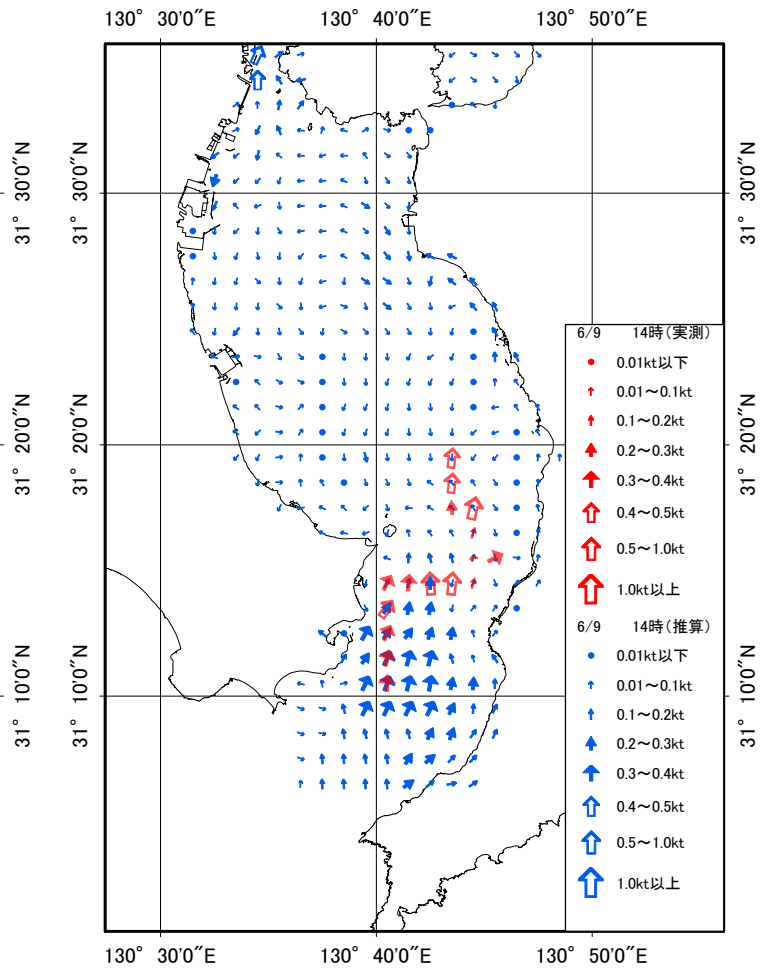
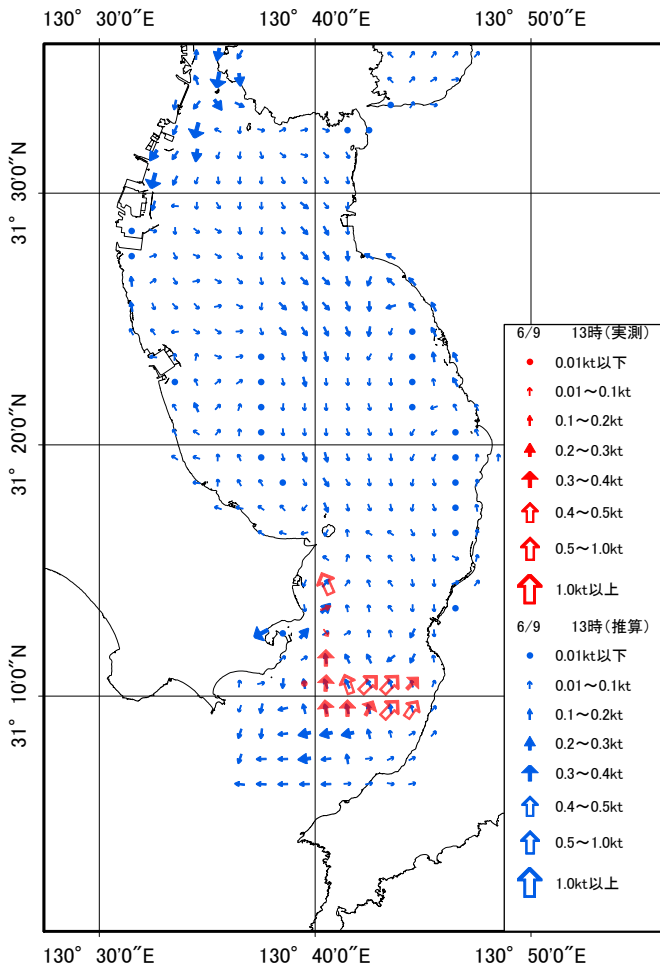




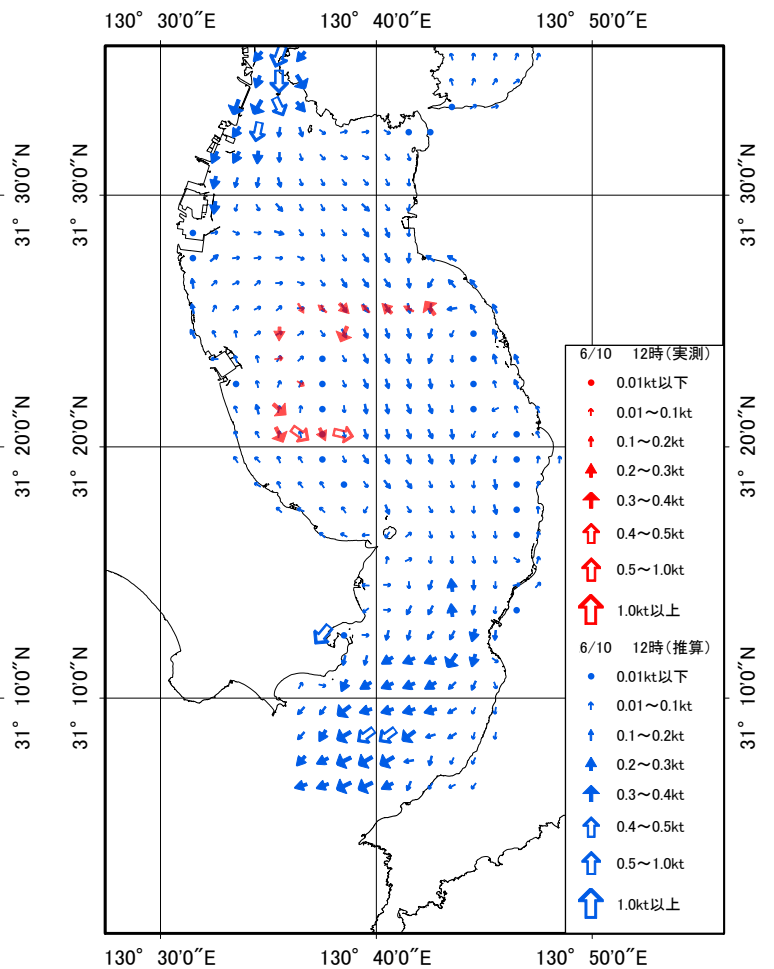
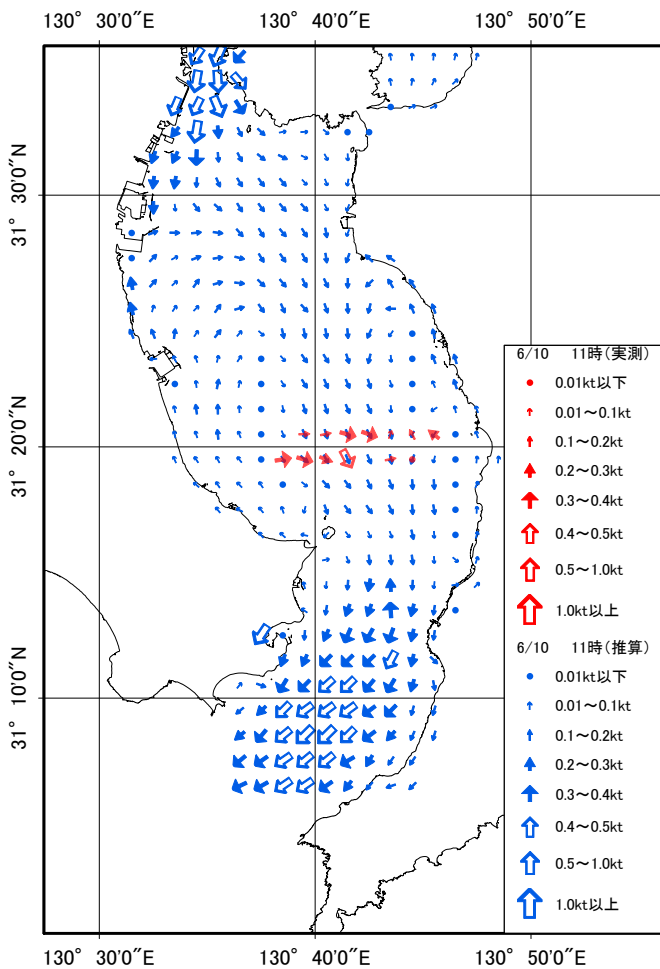
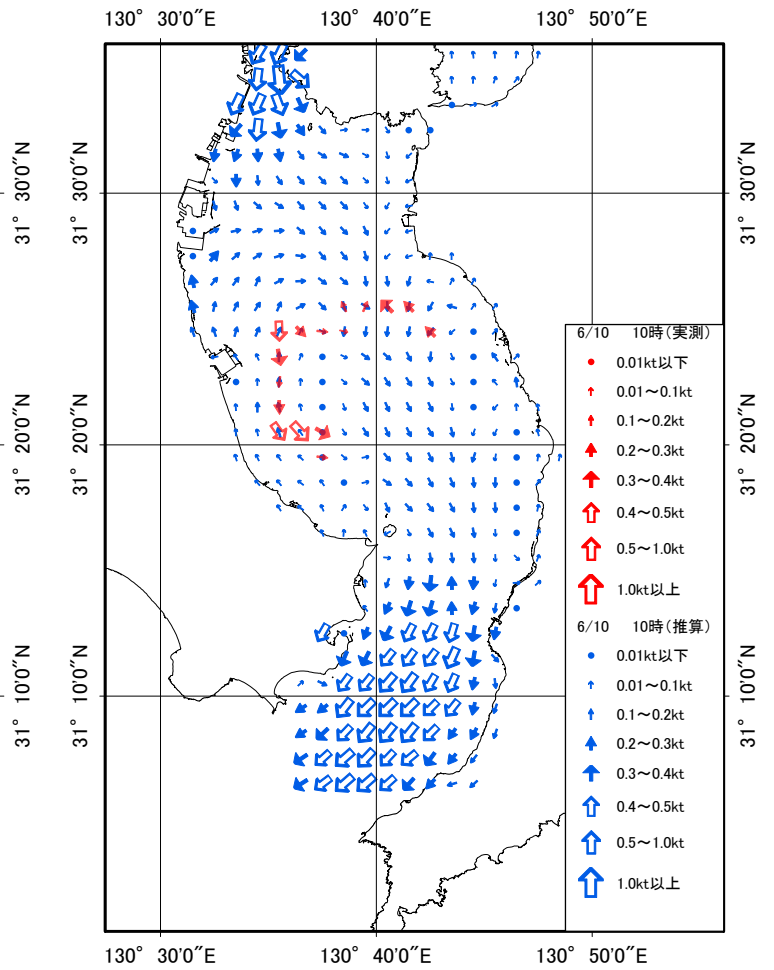
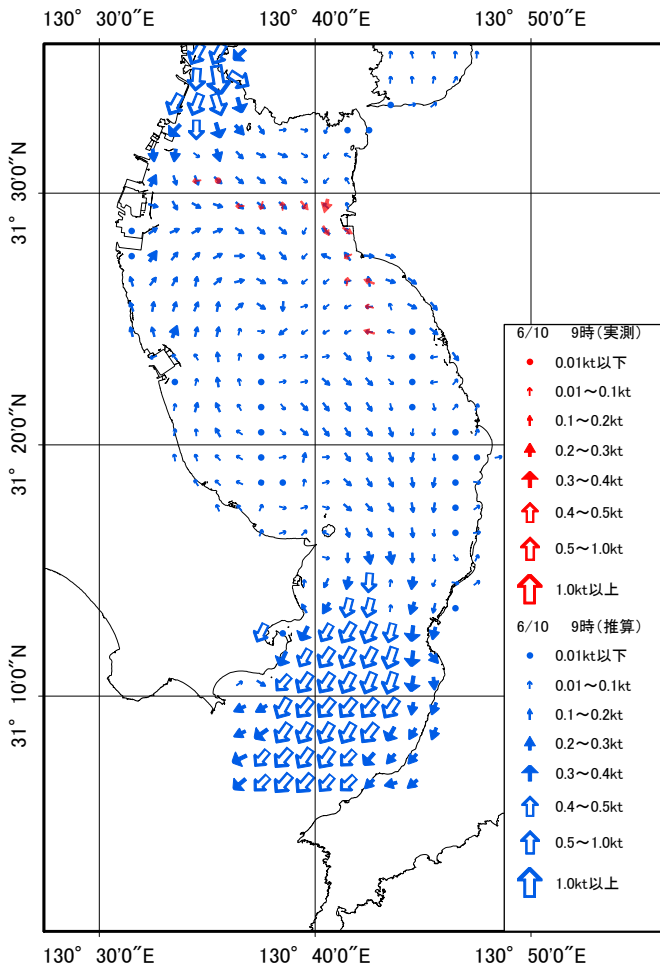
付図6-7 流況図

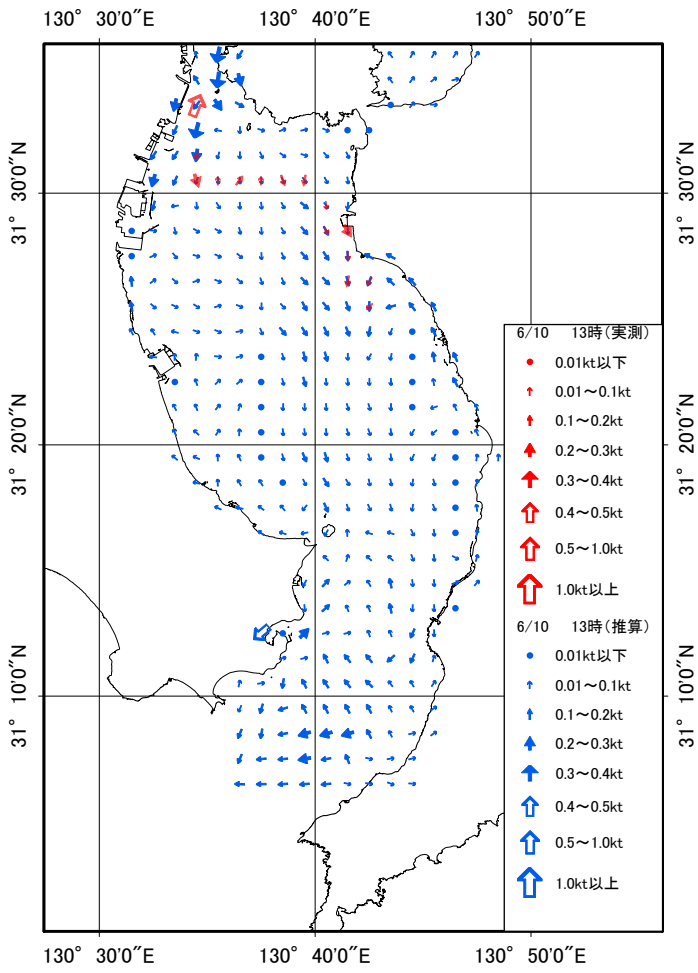


付図6-8 流況図

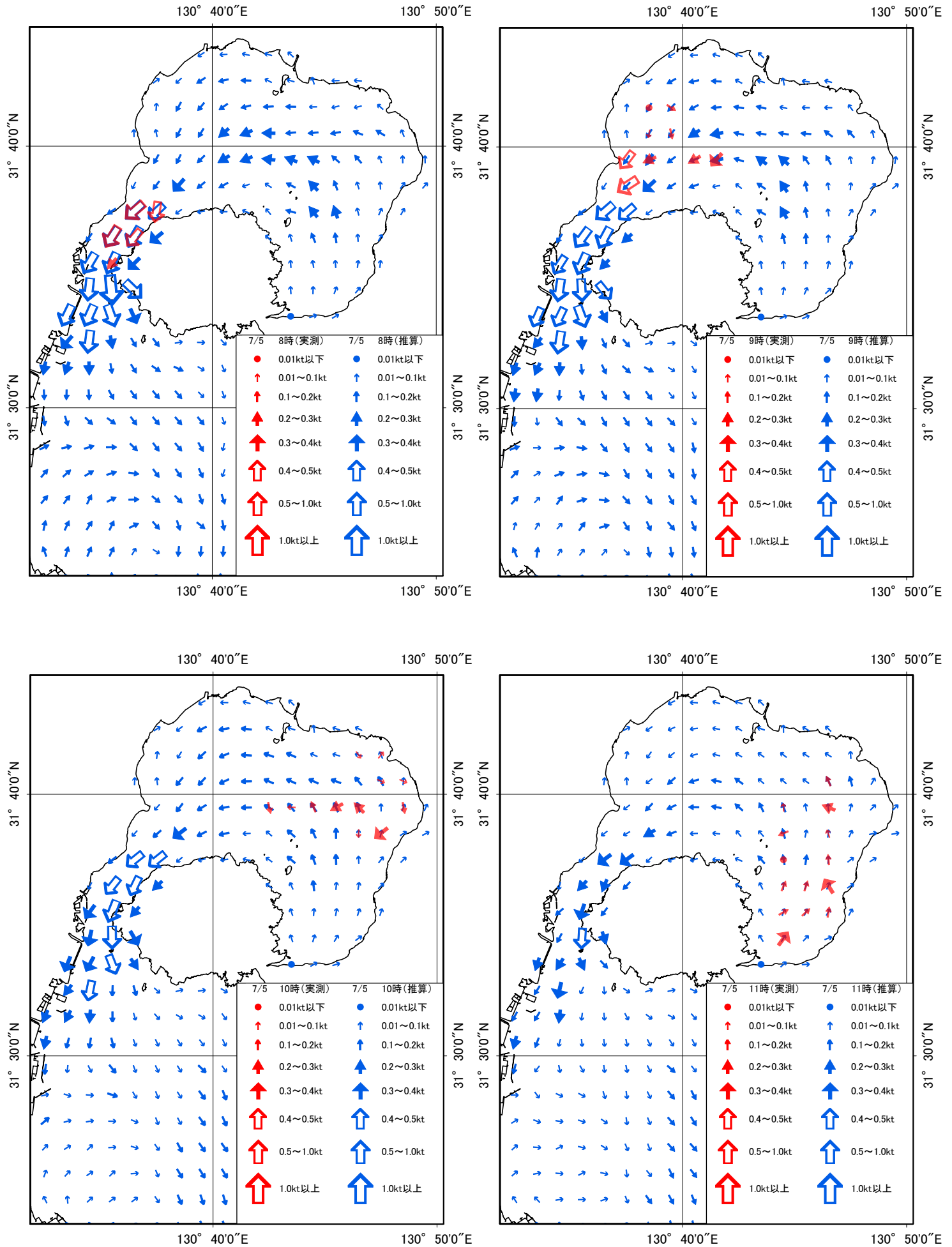


付図6-9 流況図

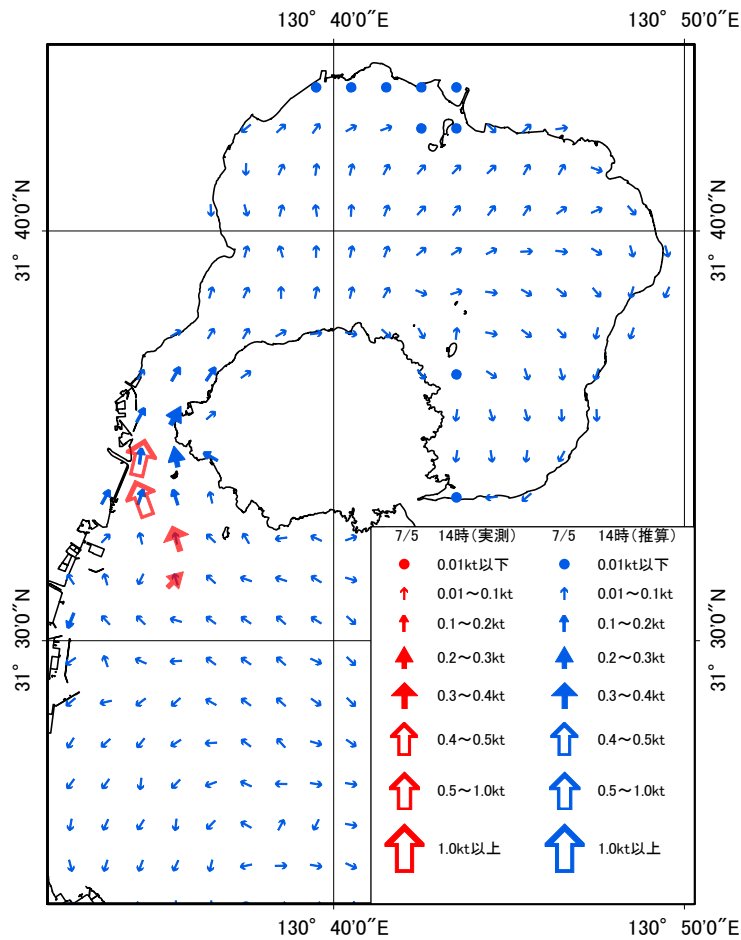
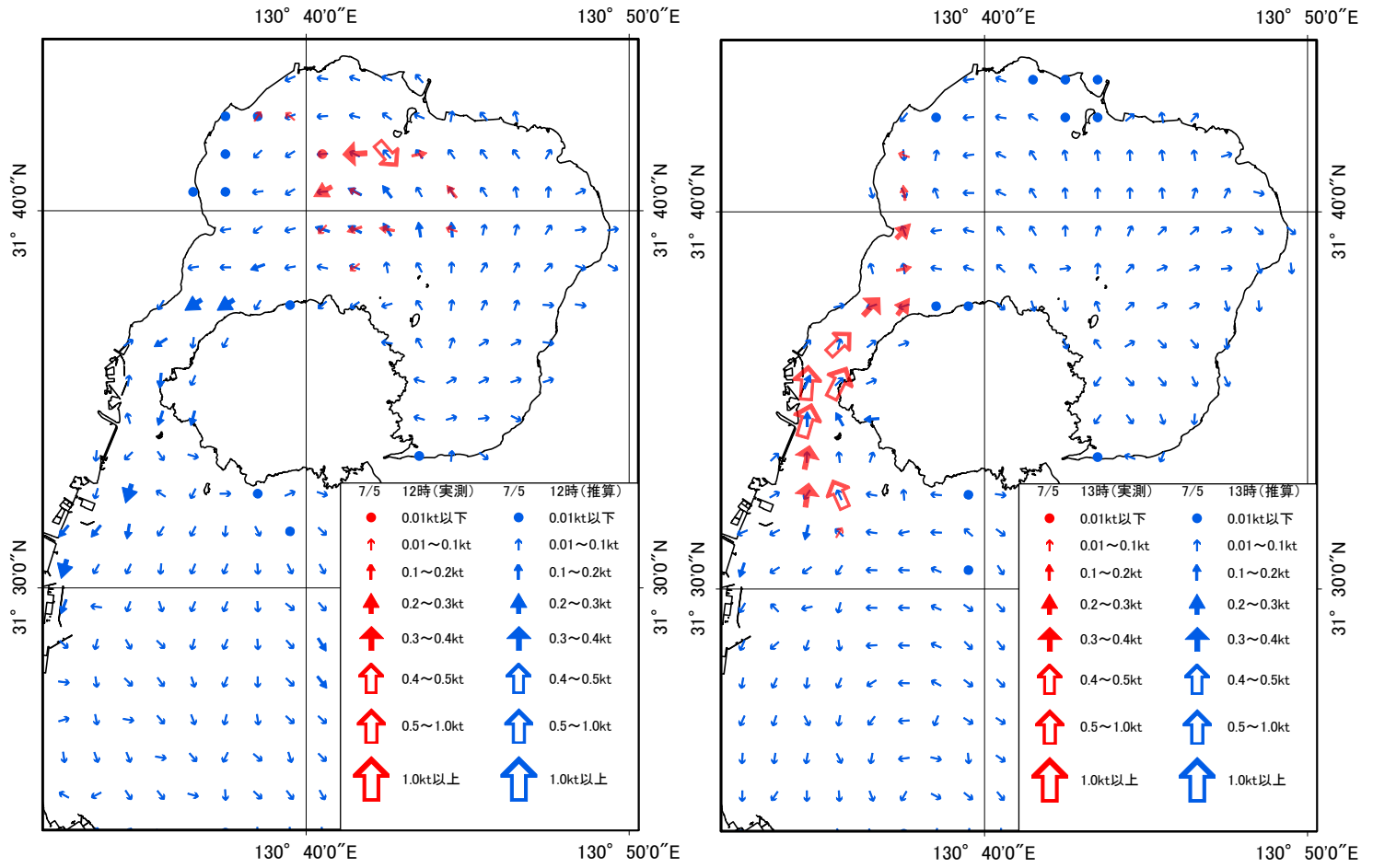




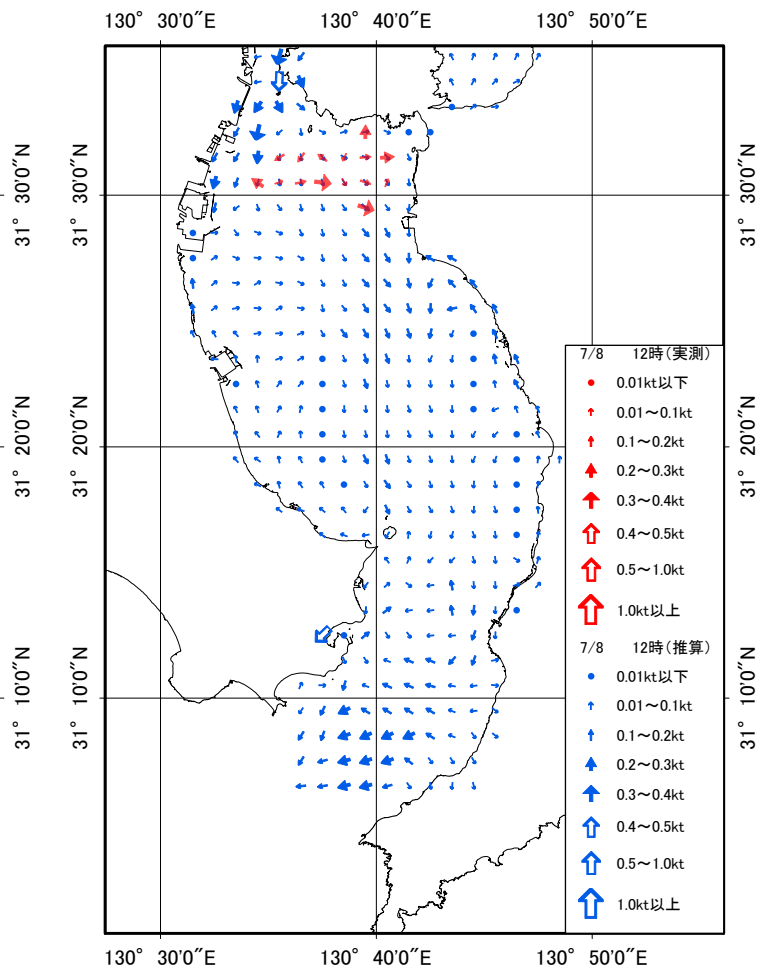
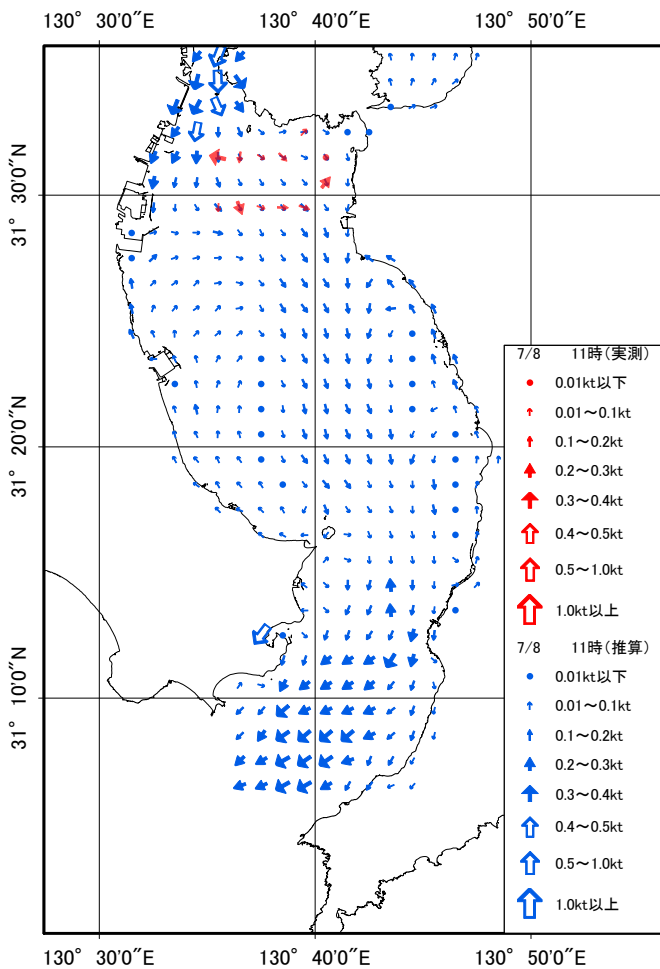
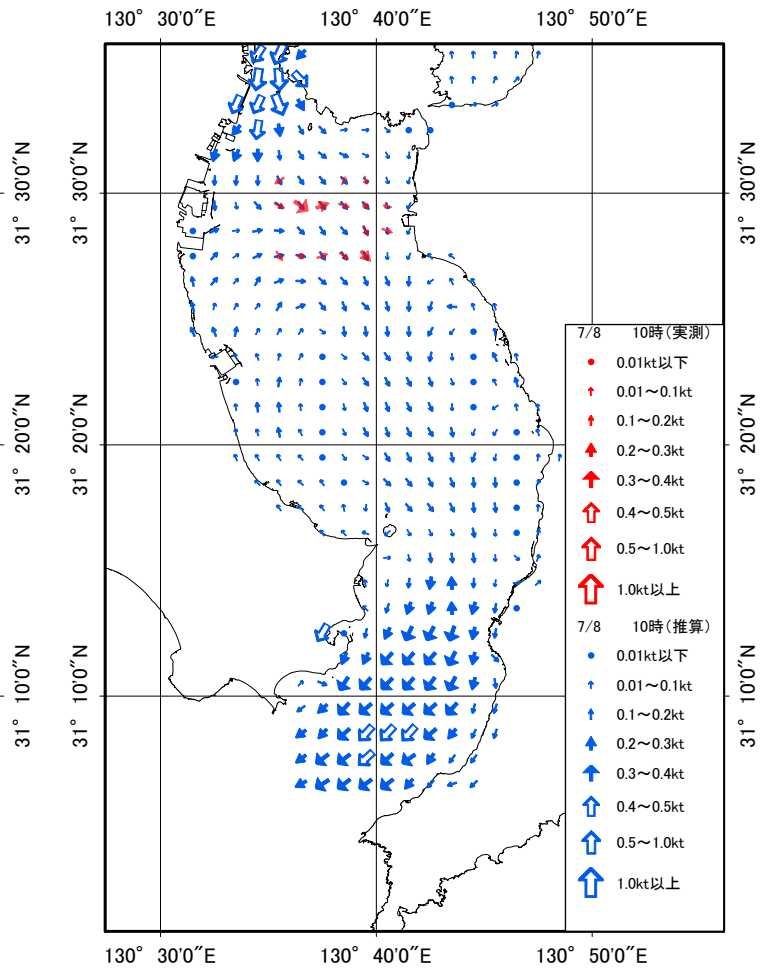
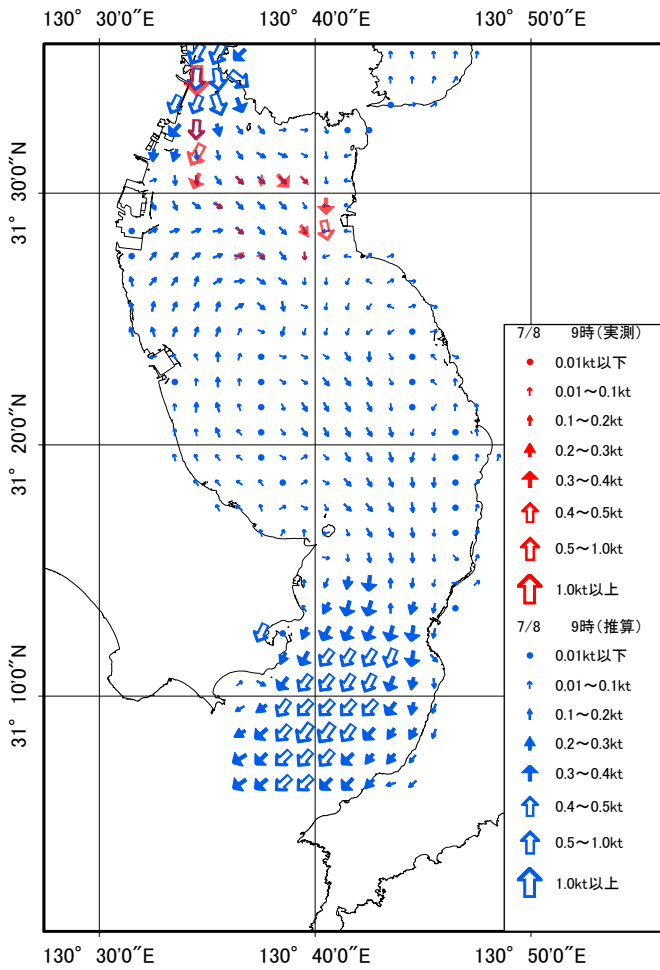
付図6-11 流況図

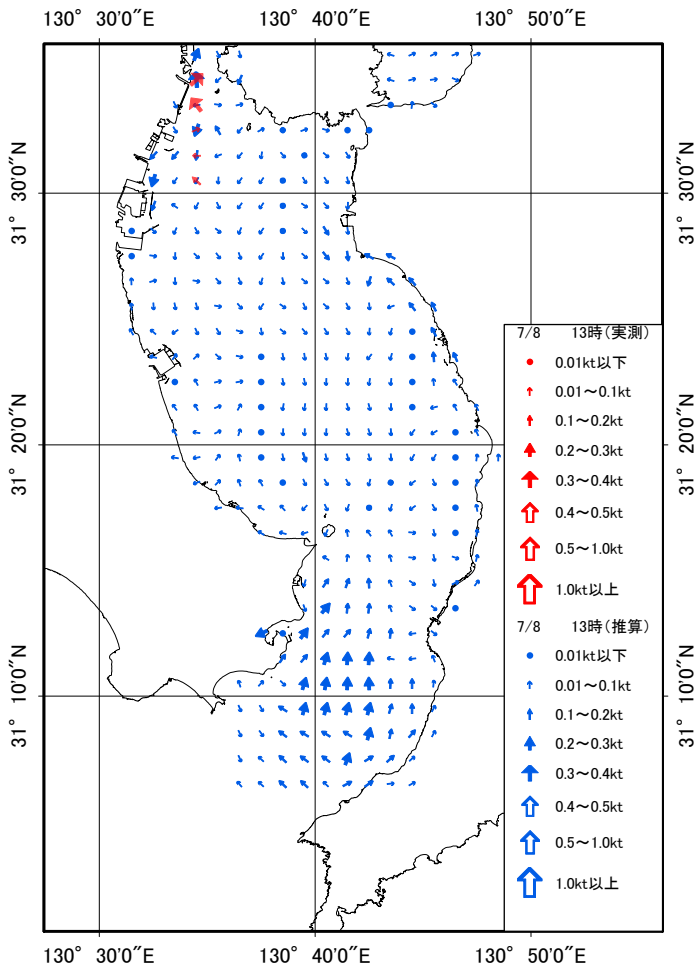


付図6-12 流況図



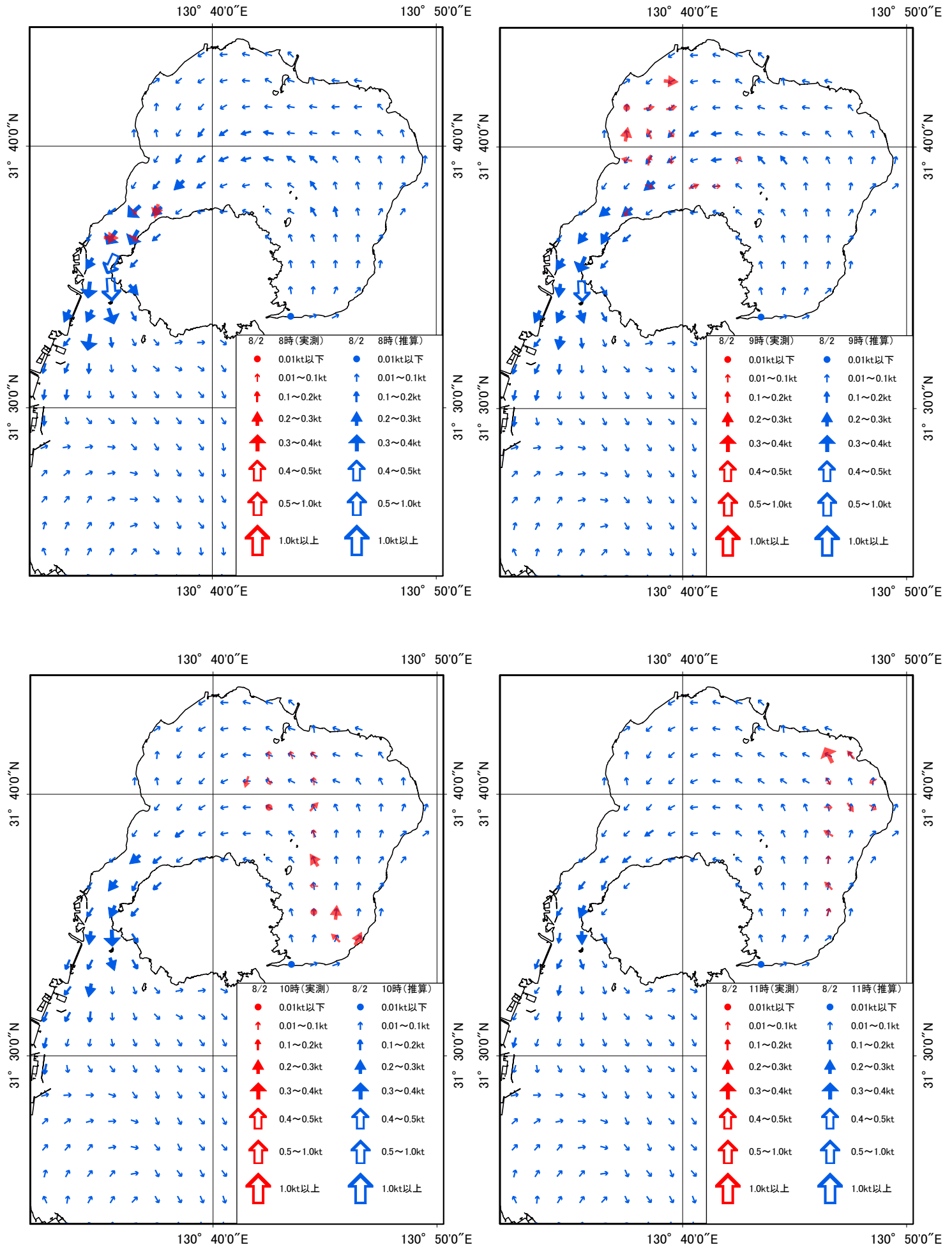
付図6-13 流況図

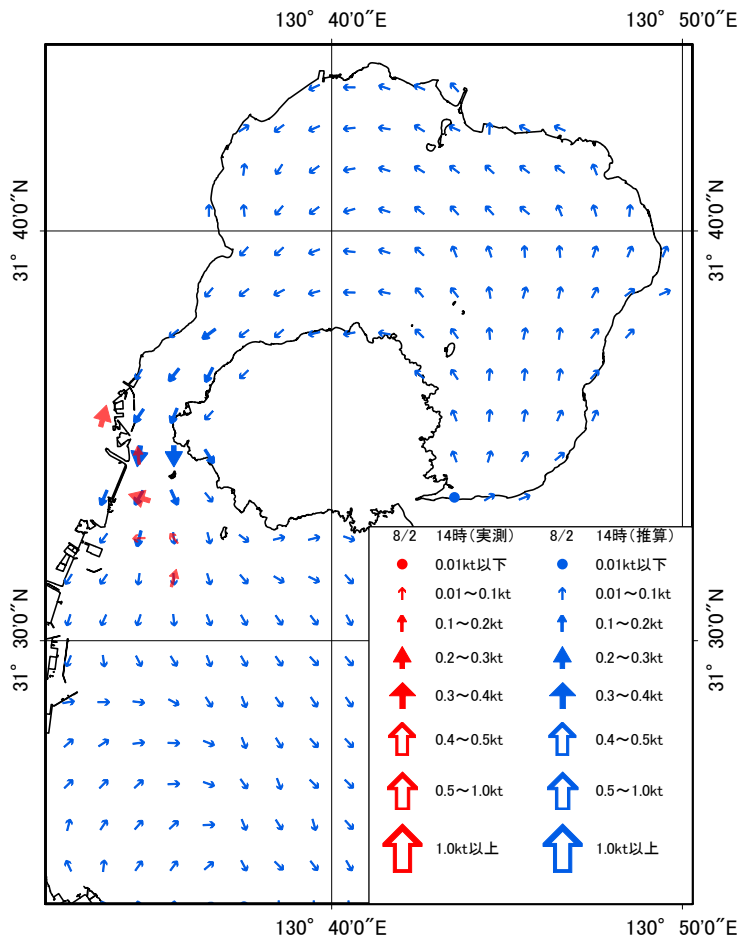
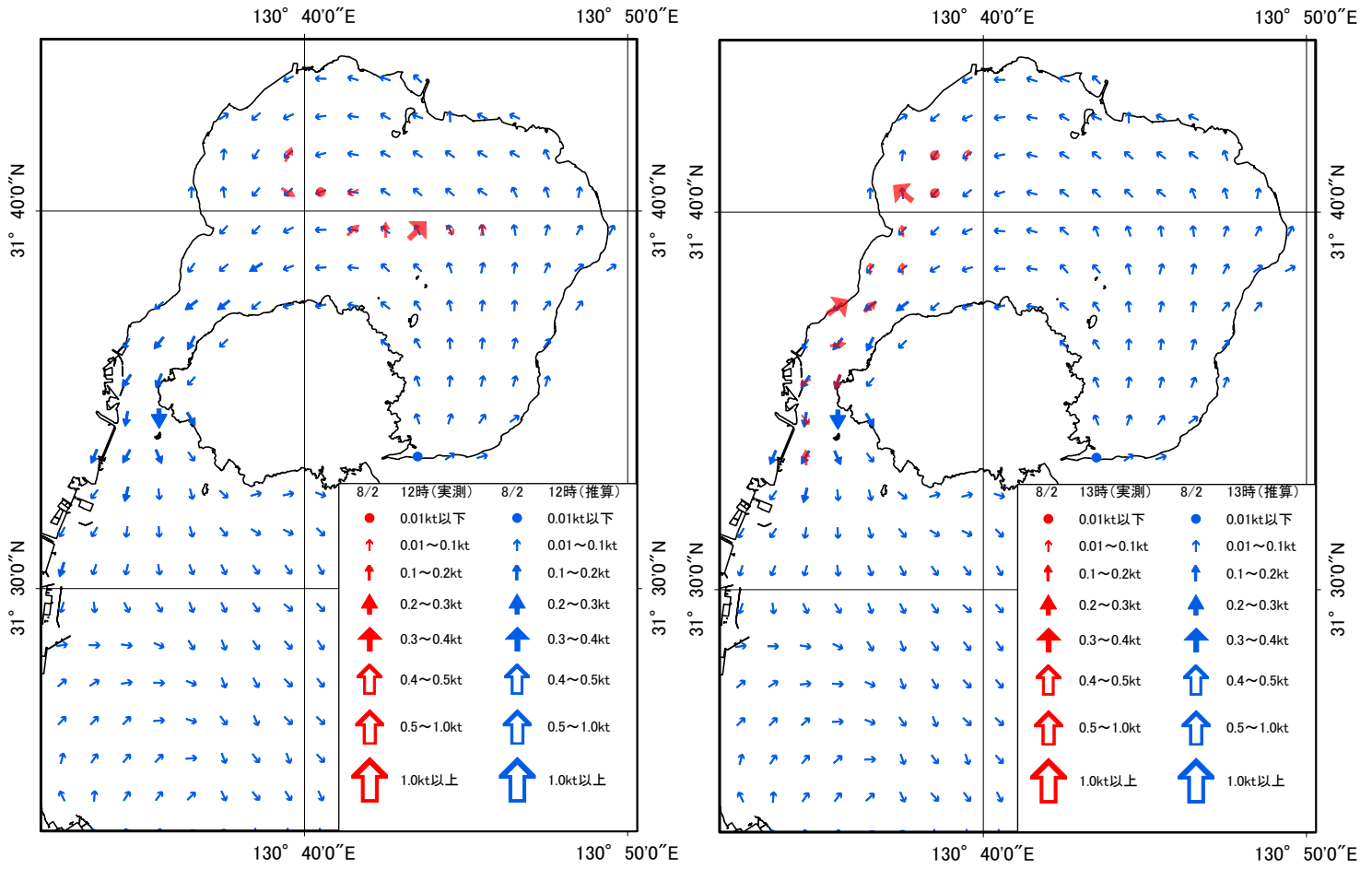




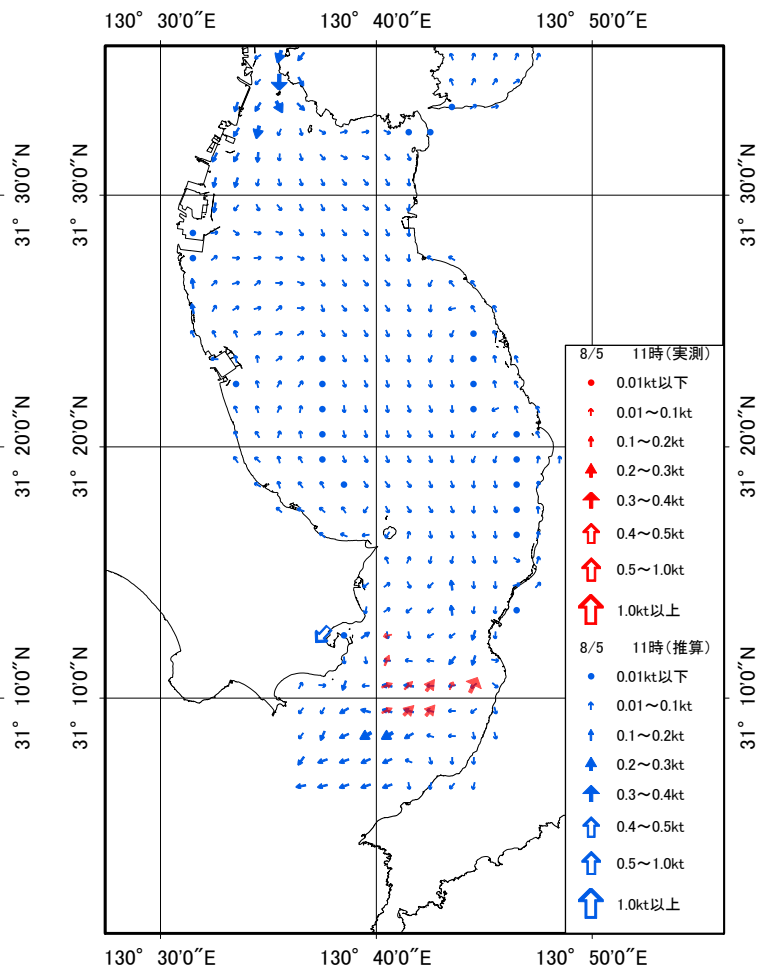
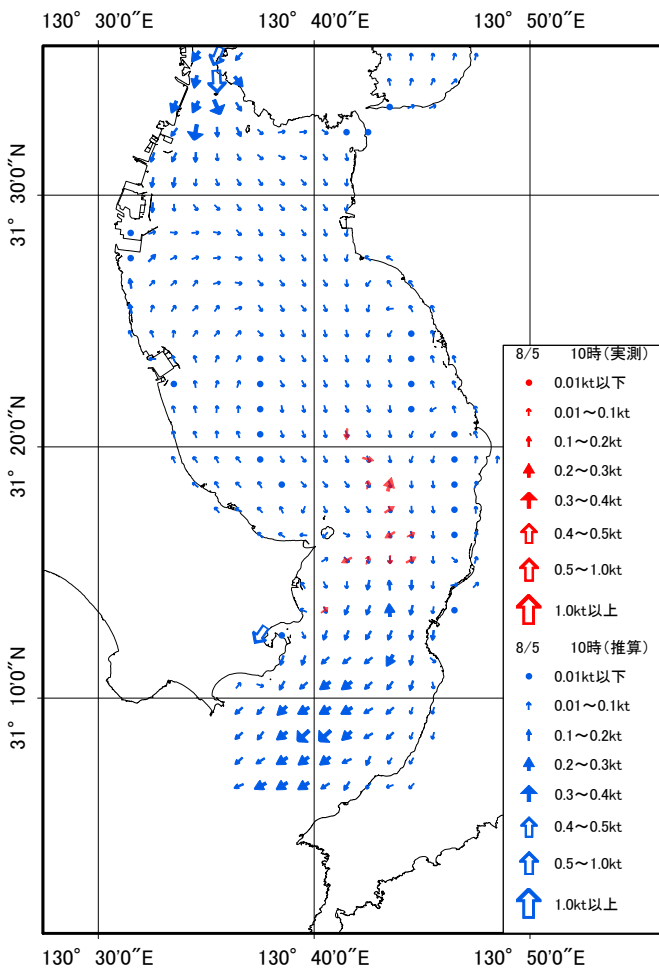
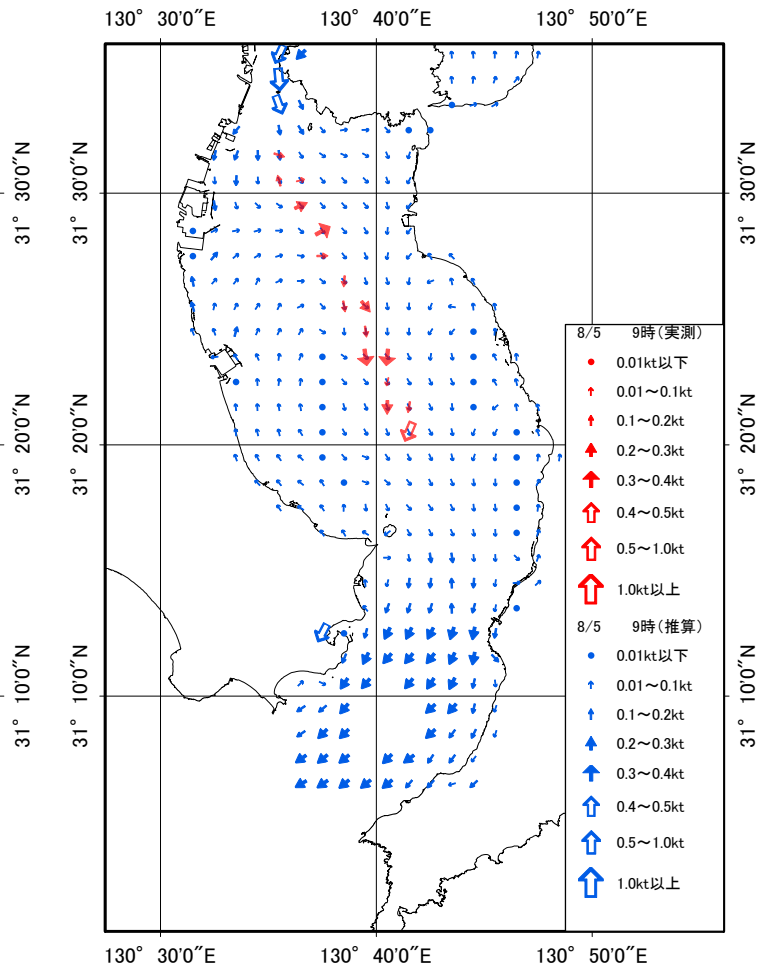
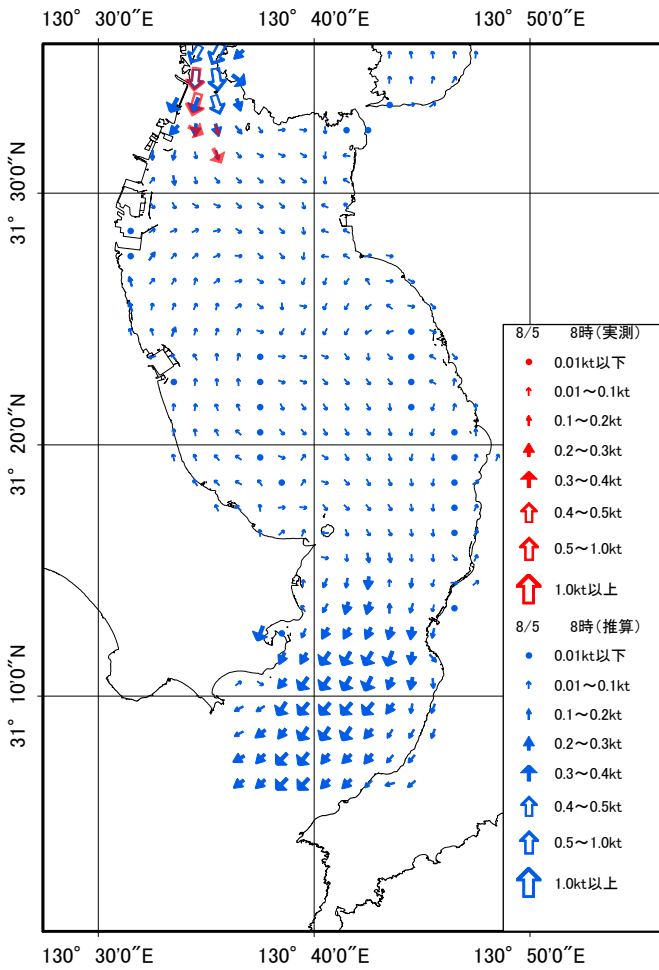


付図6-15 流況図

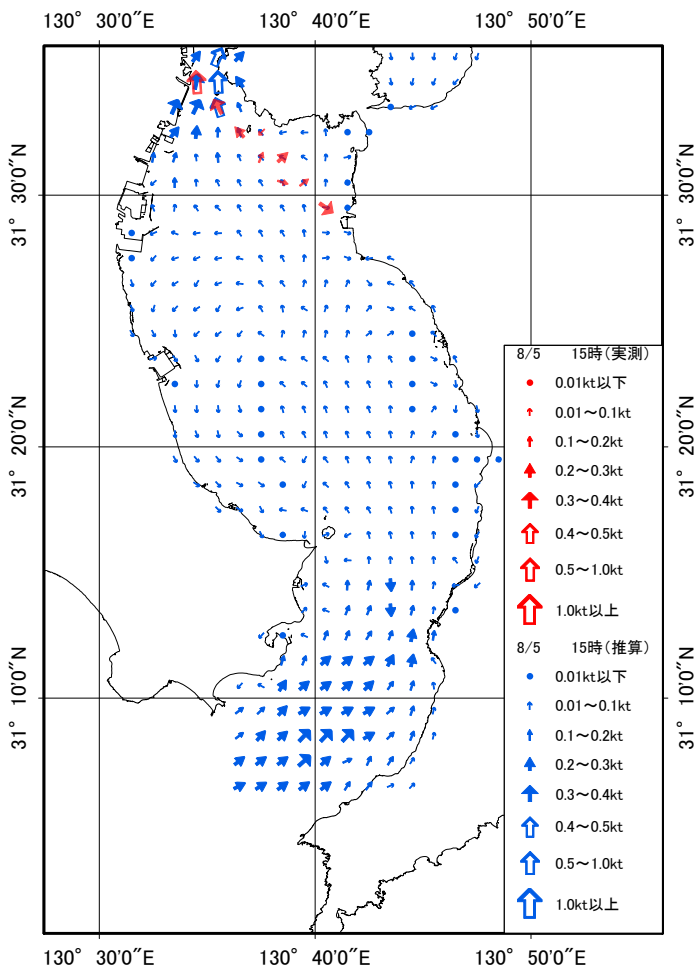
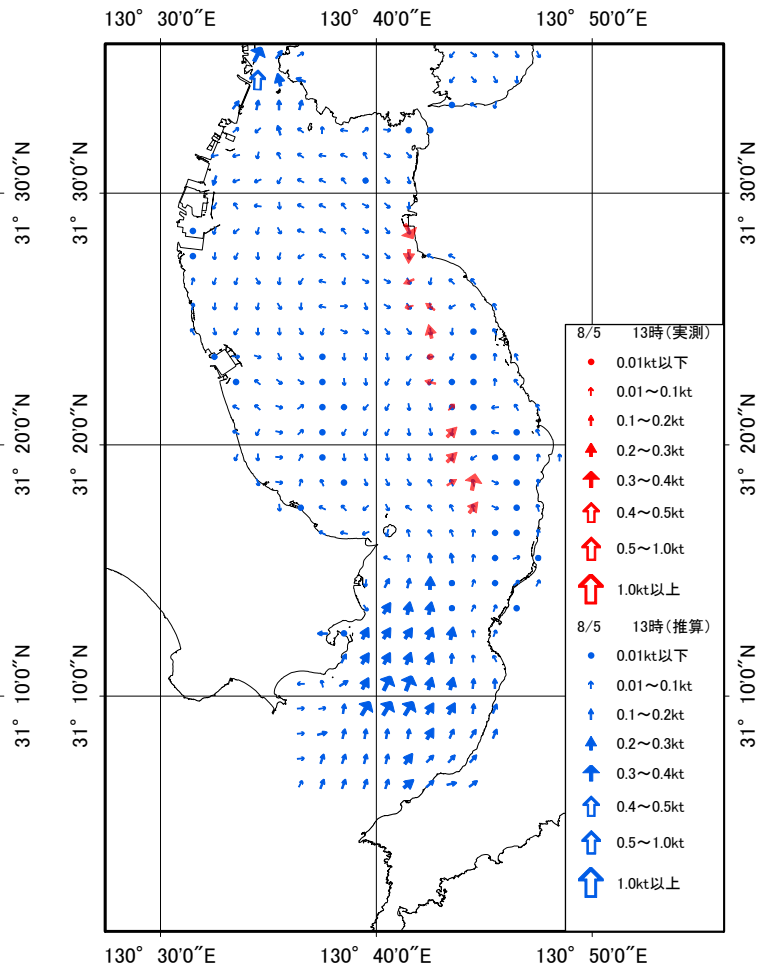
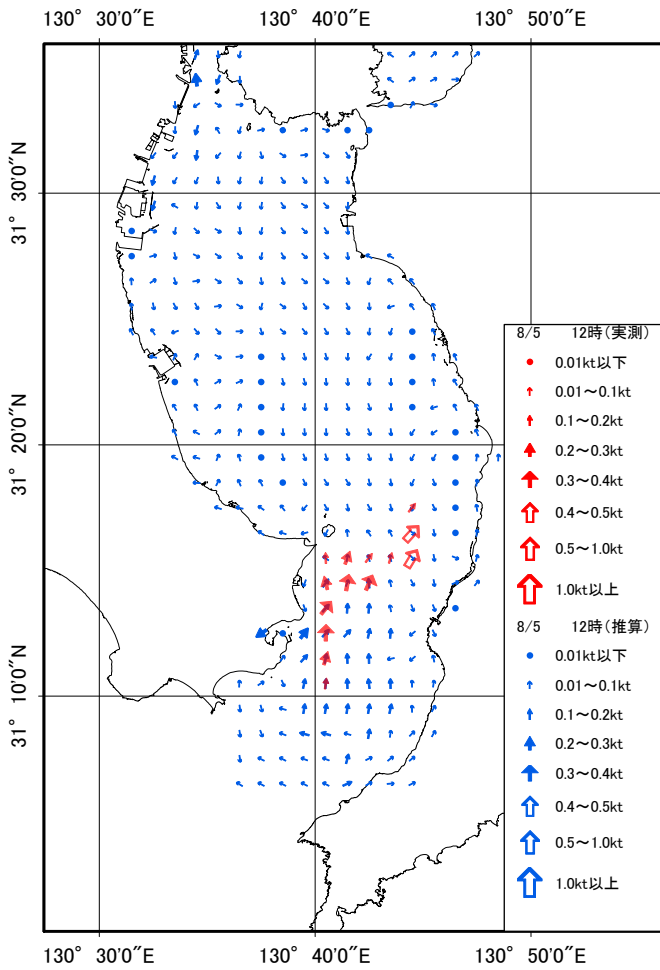


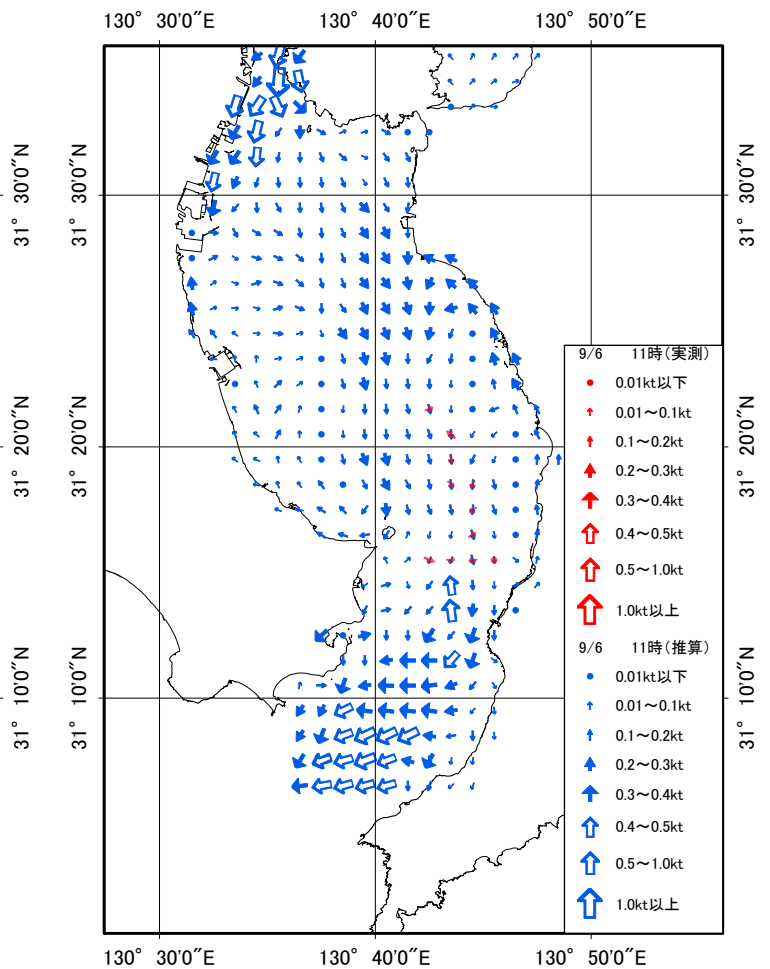
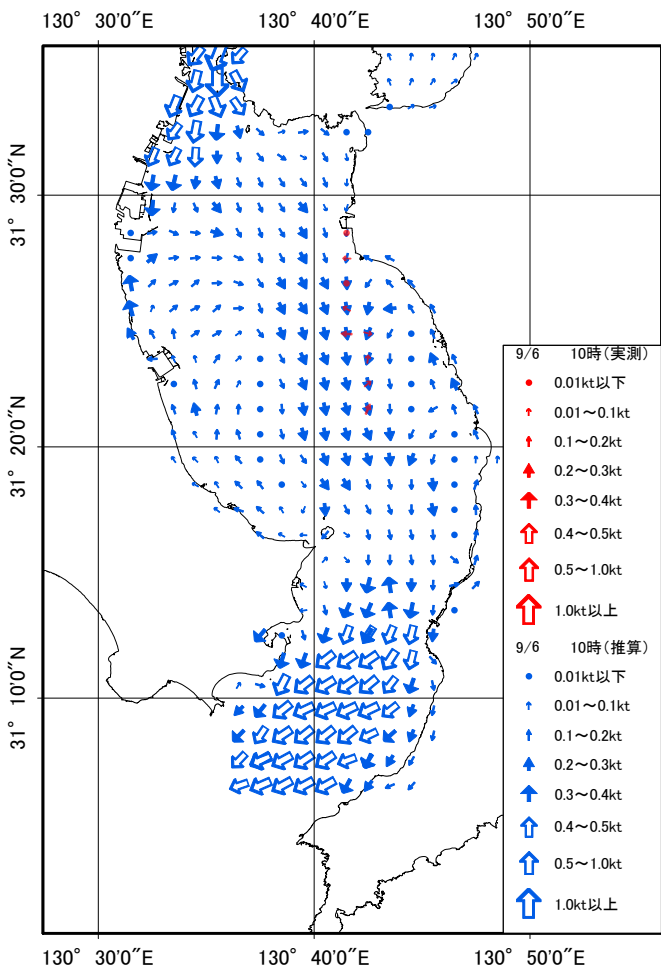
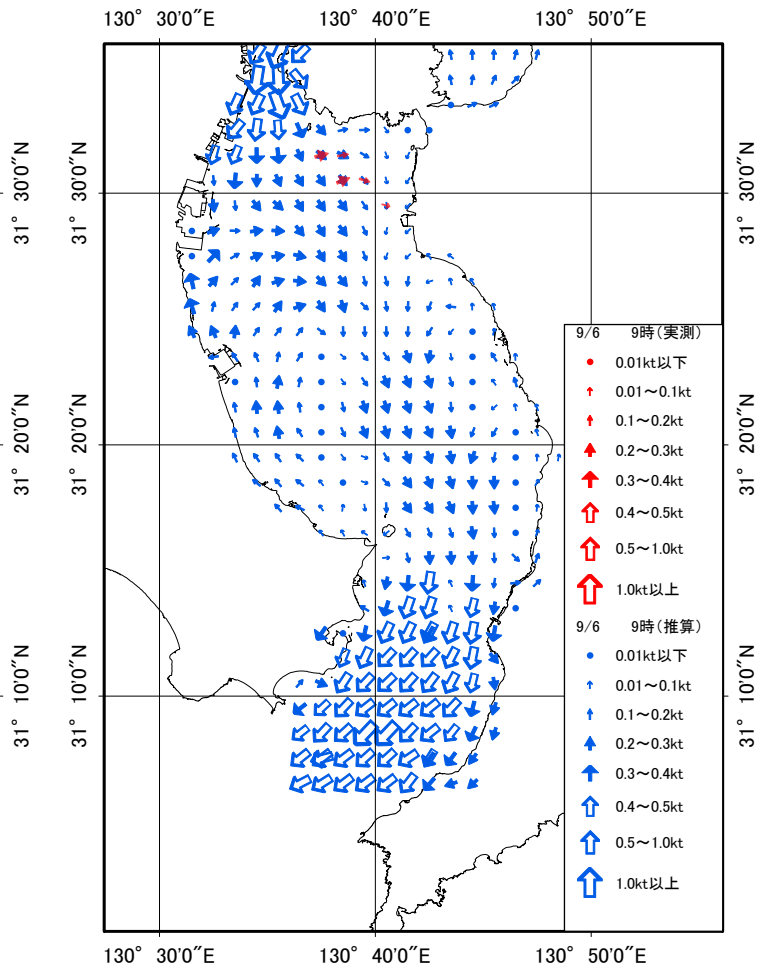
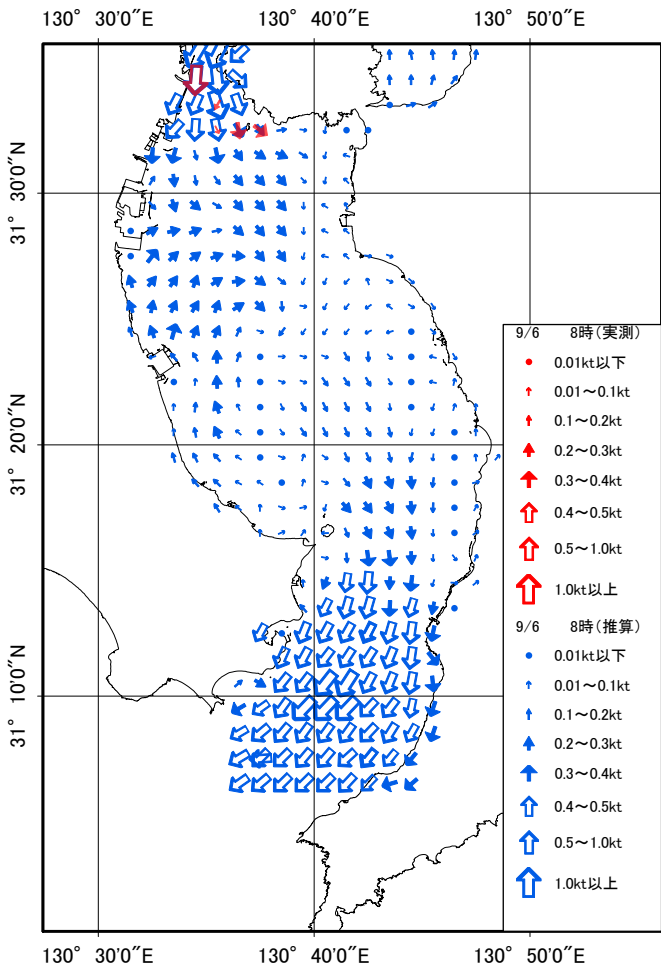


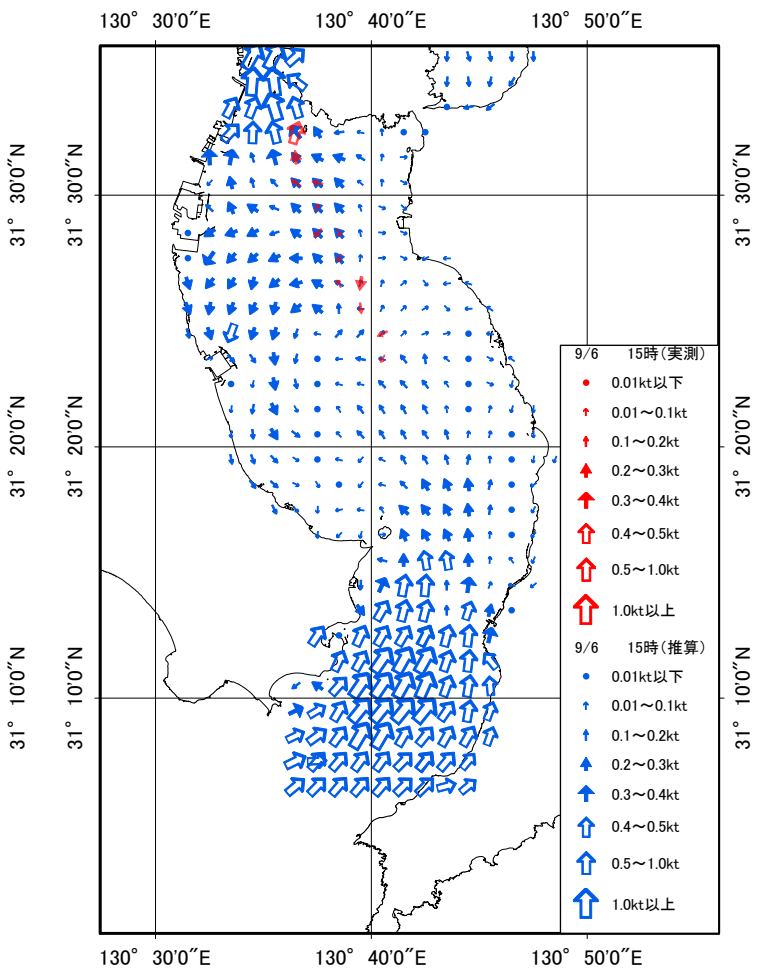
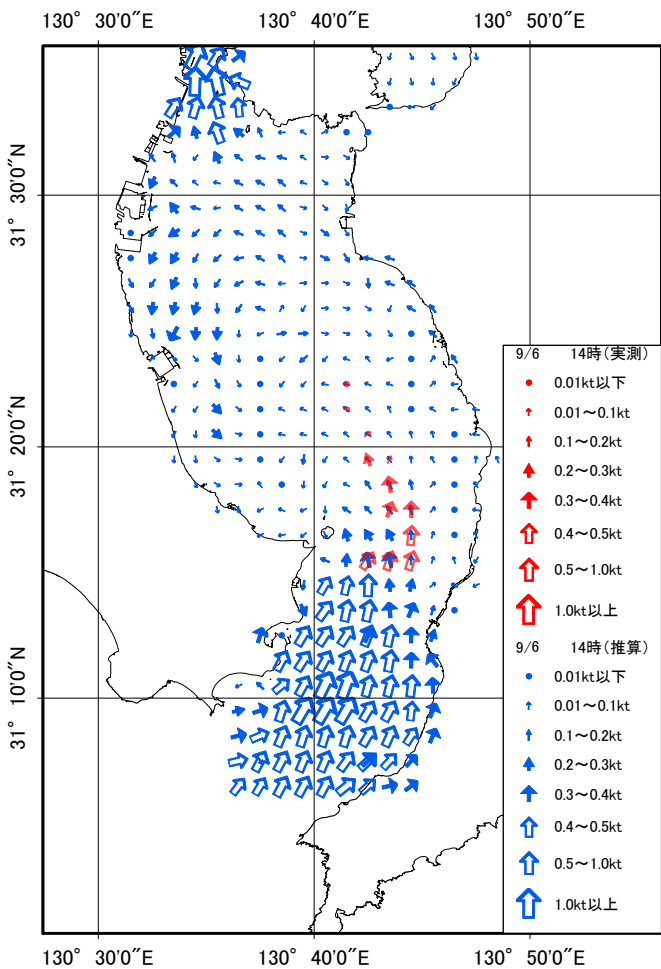
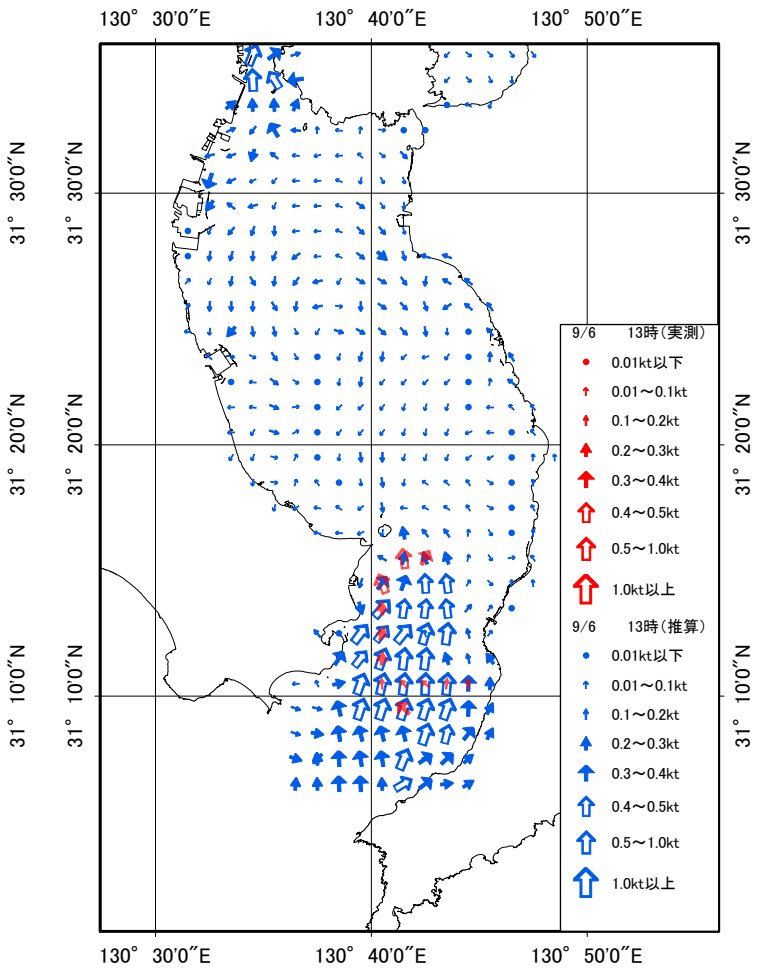
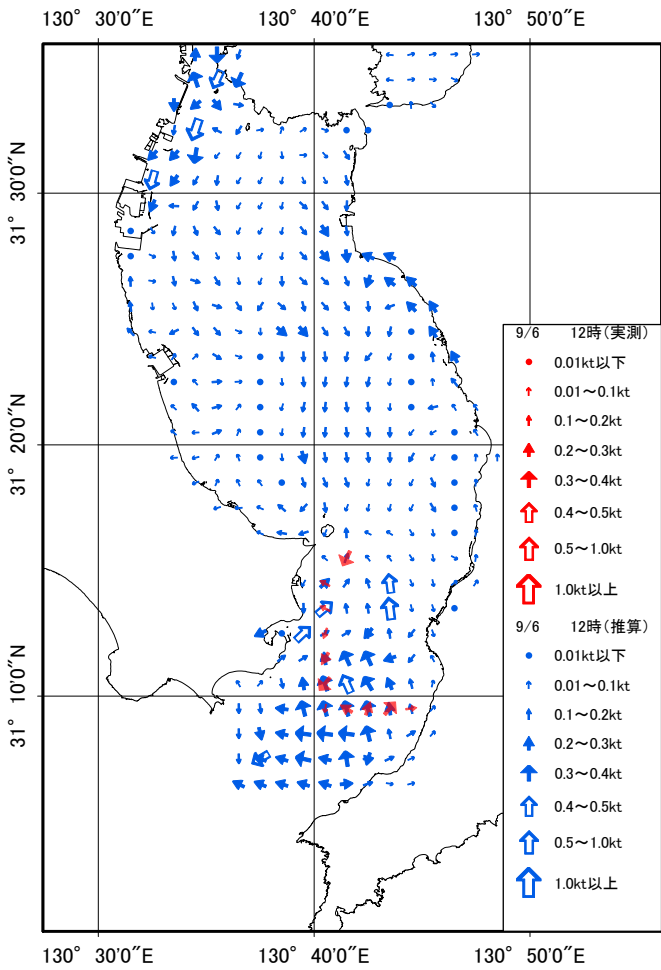
付図6-17 流況図



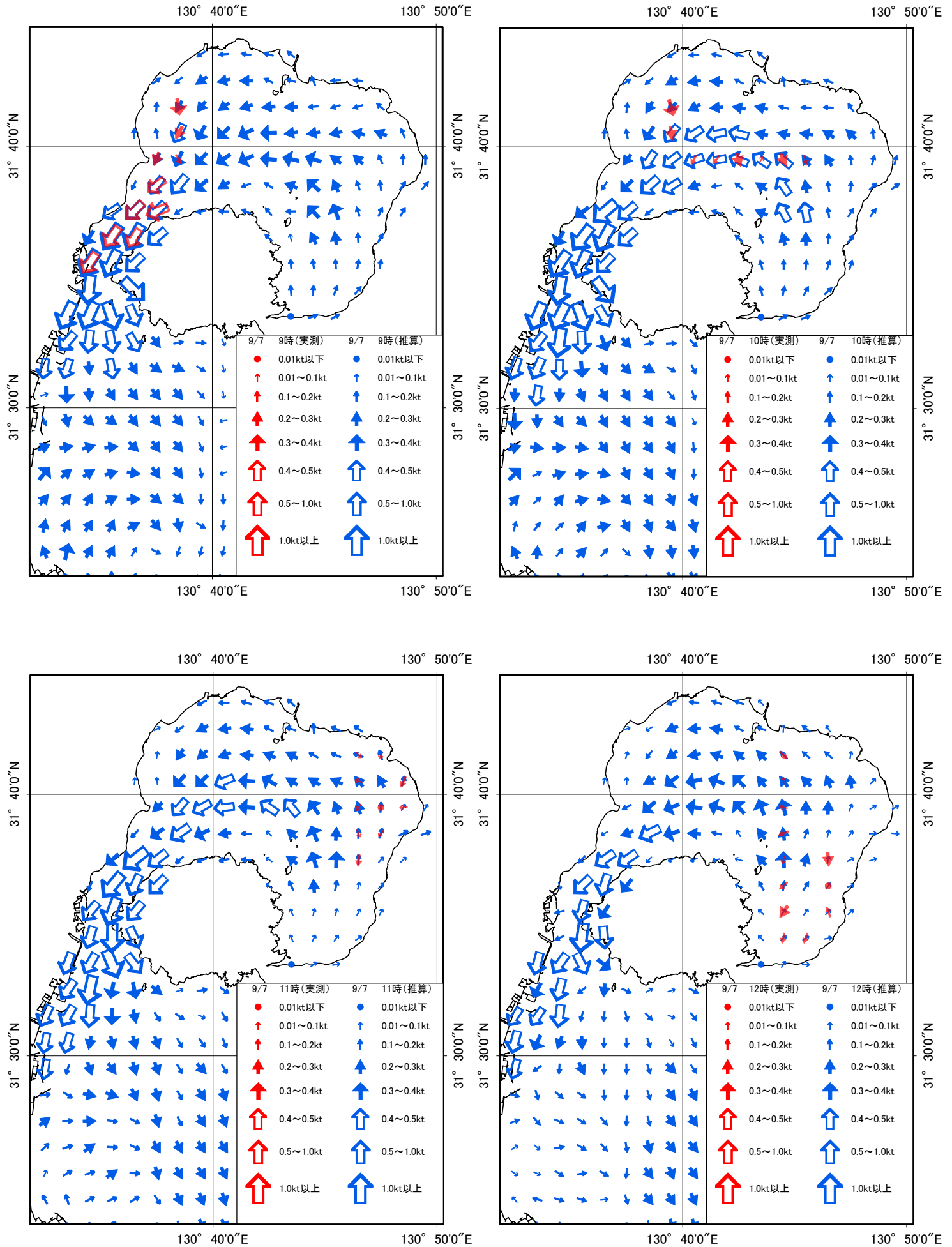
付図6-18 流況図

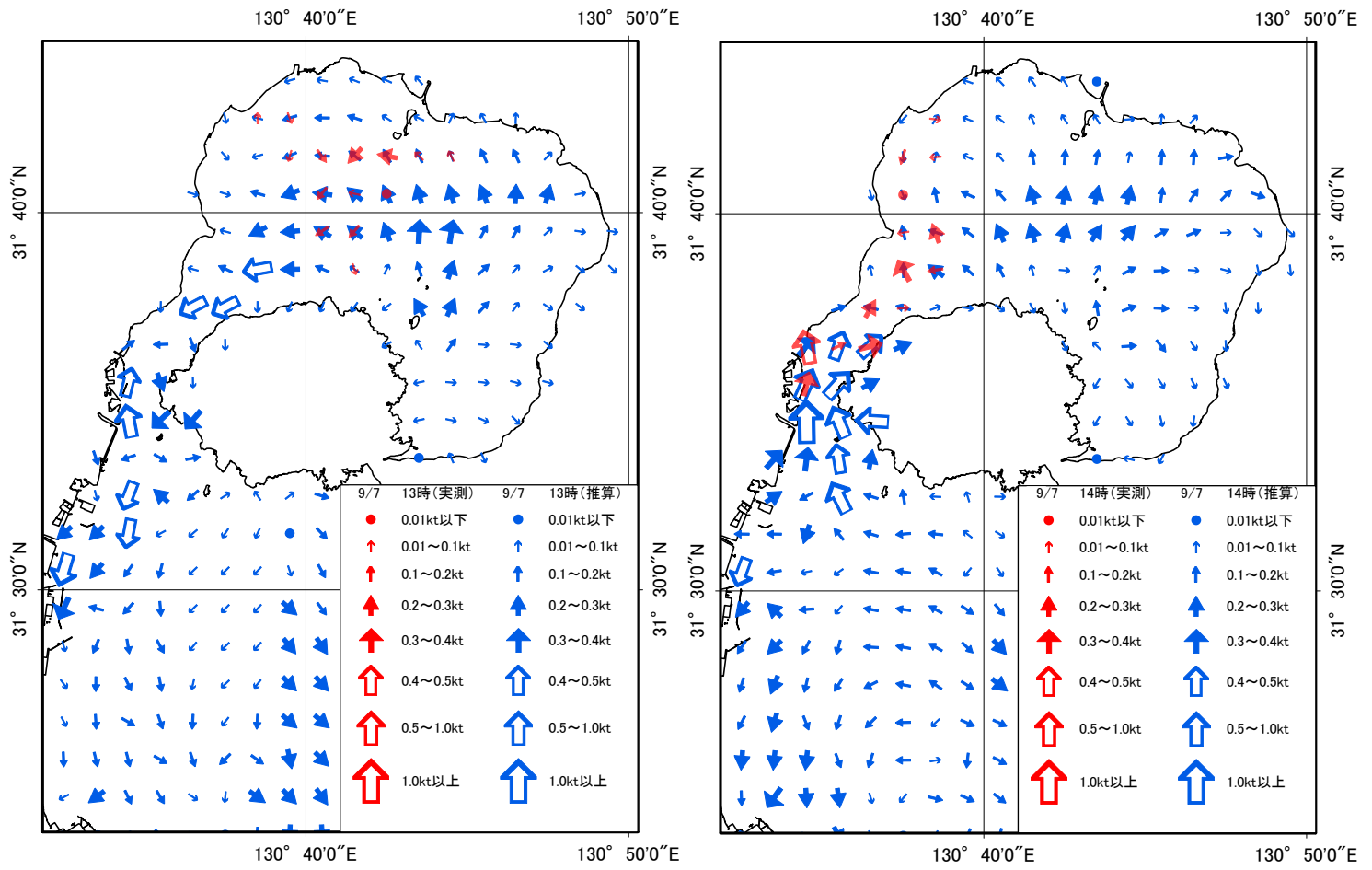




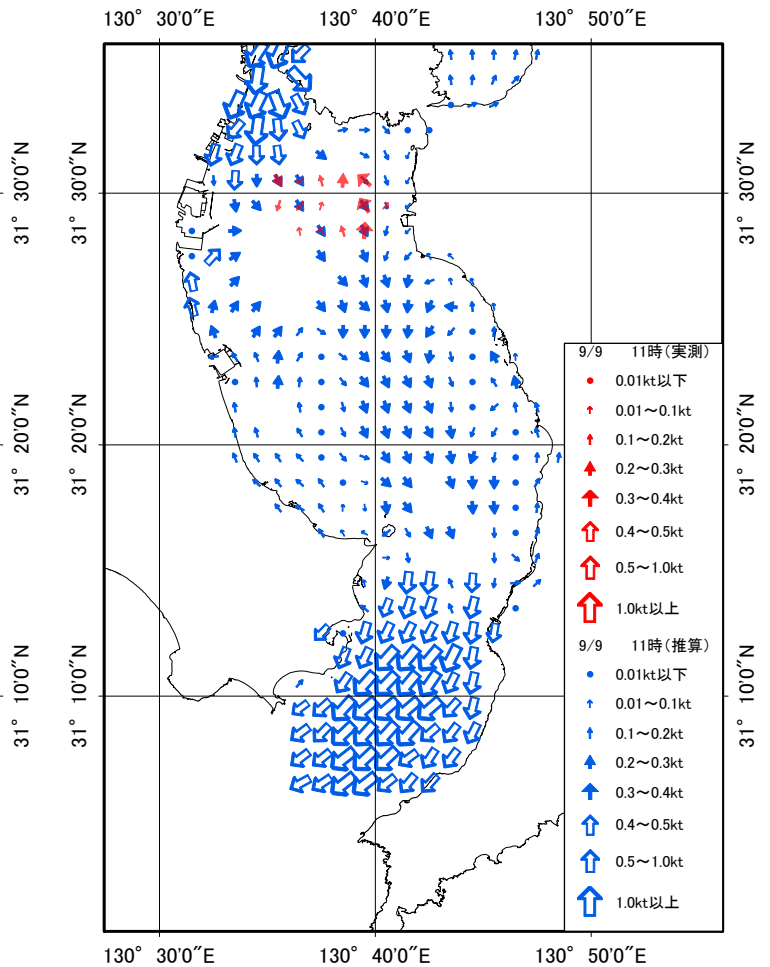
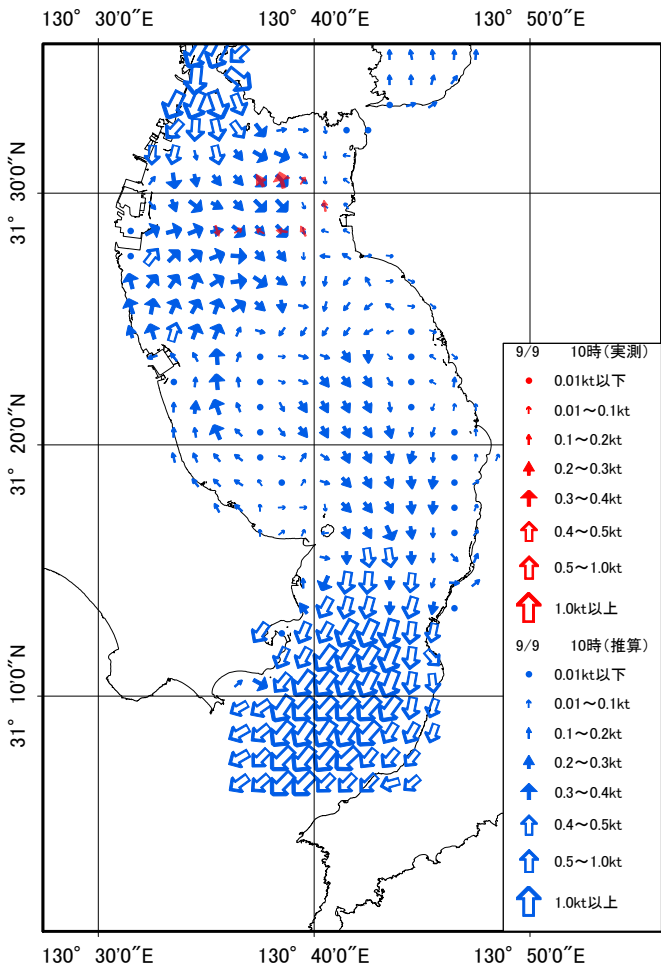
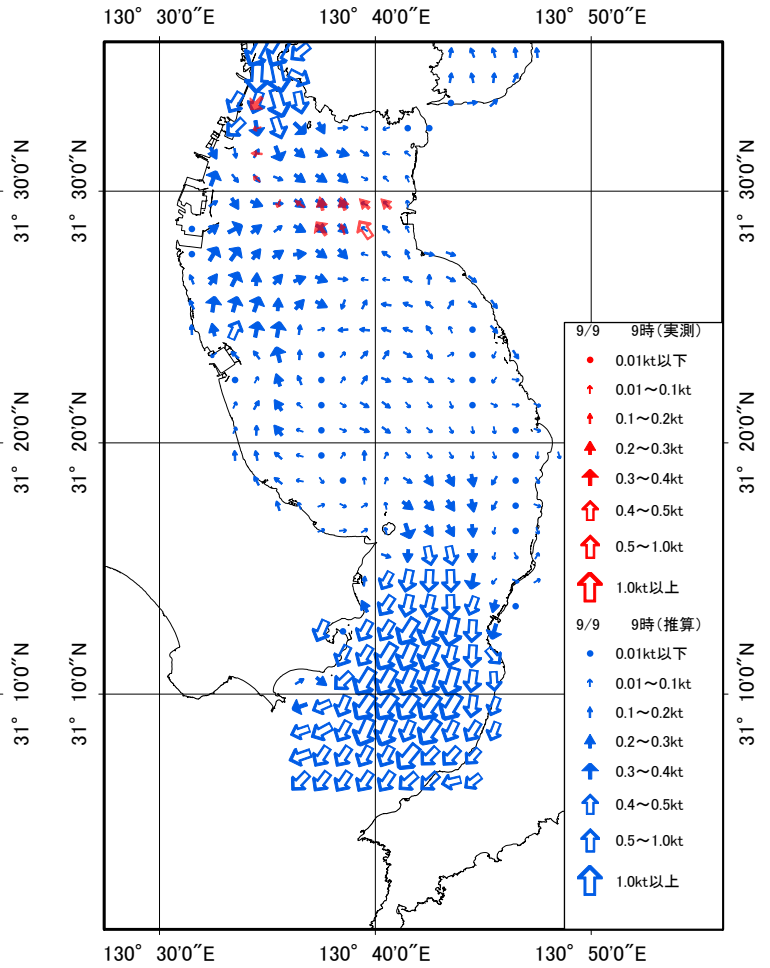
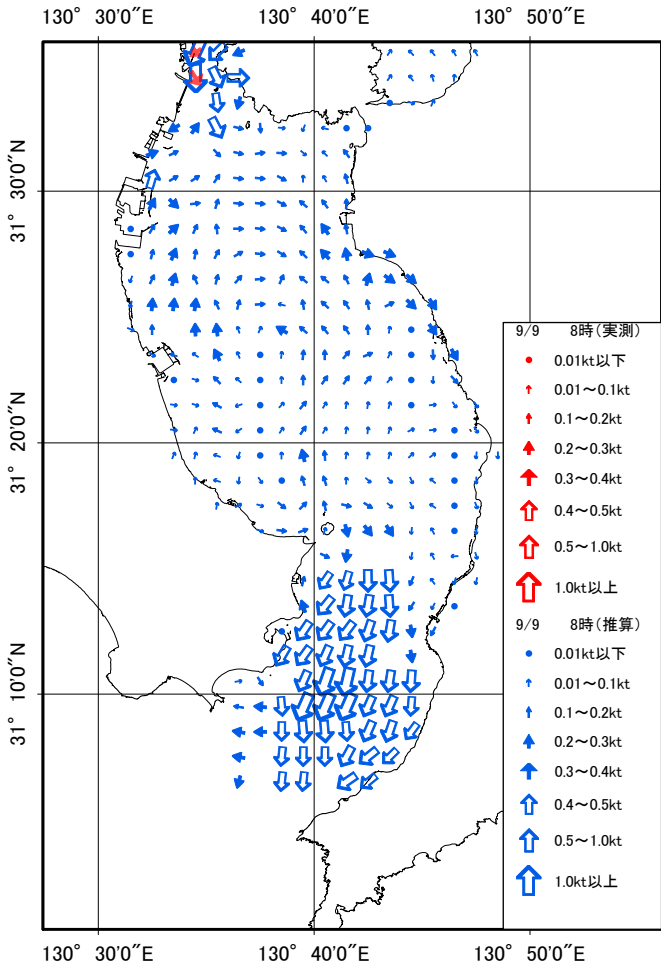


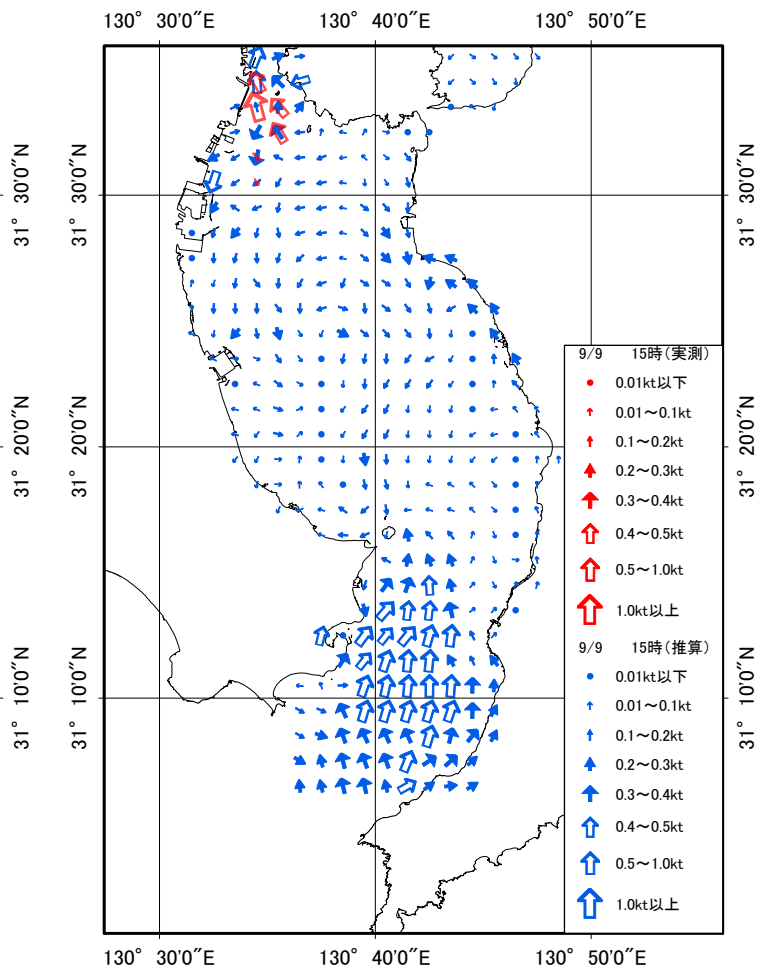
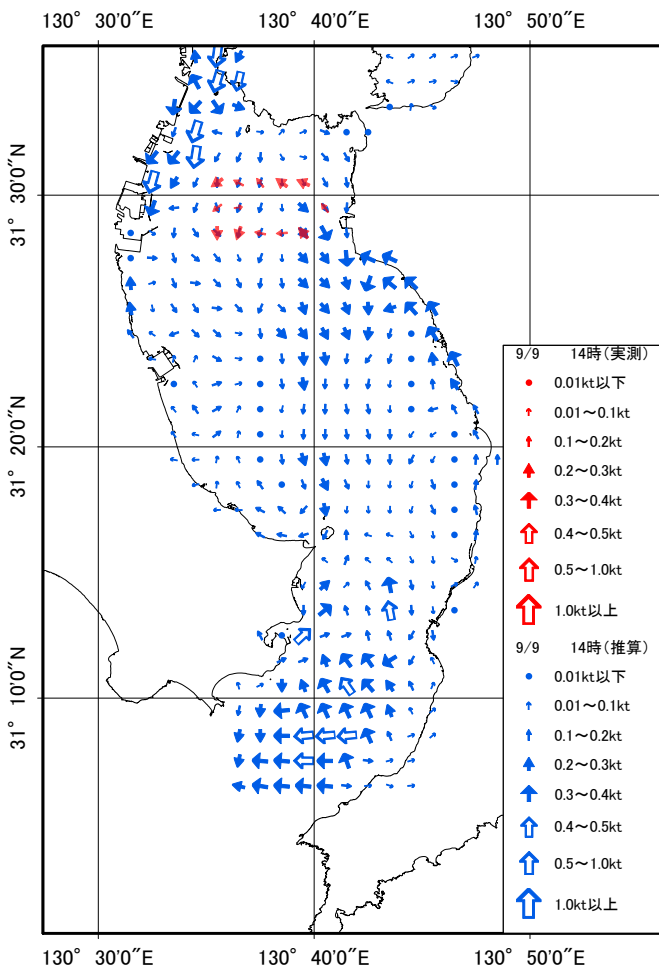
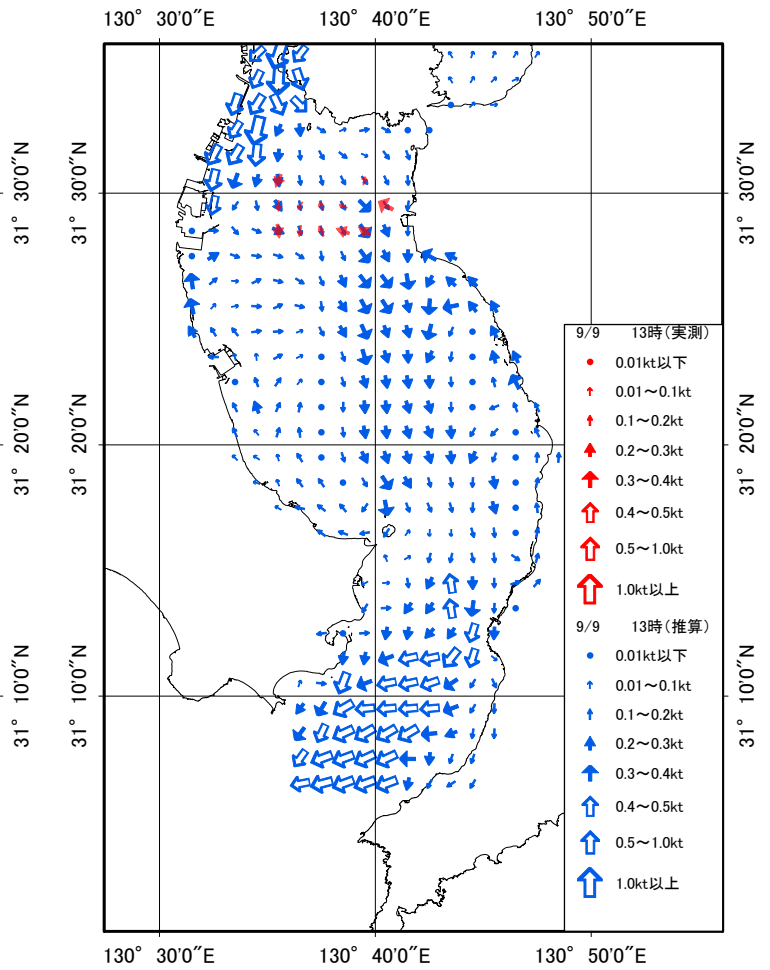
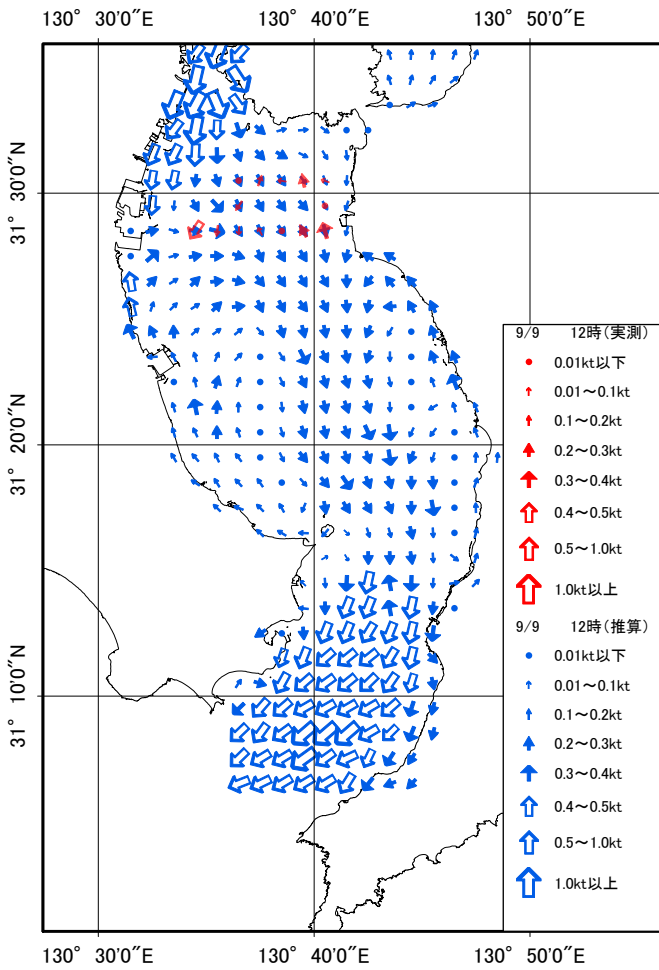
付図6-21 流況図



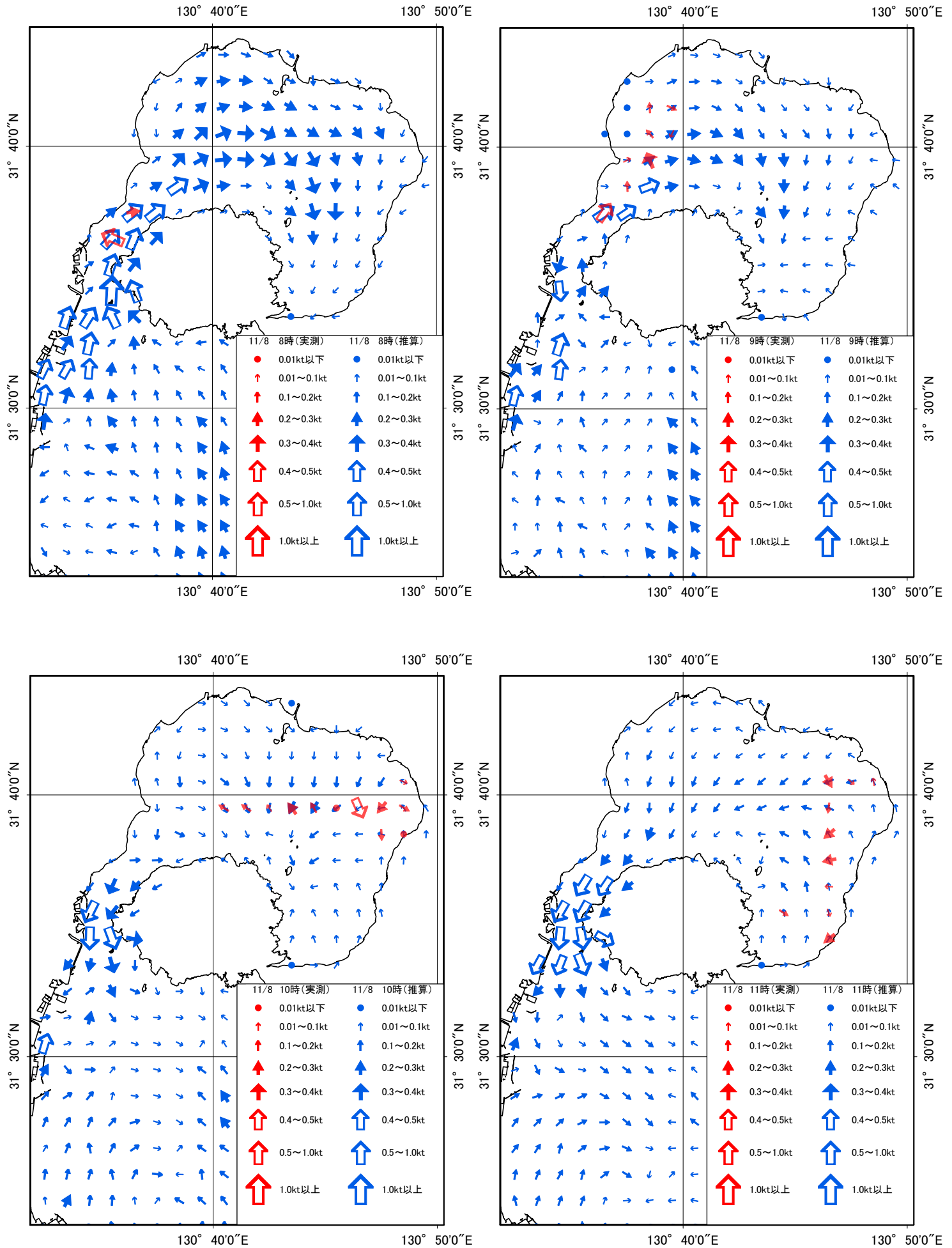


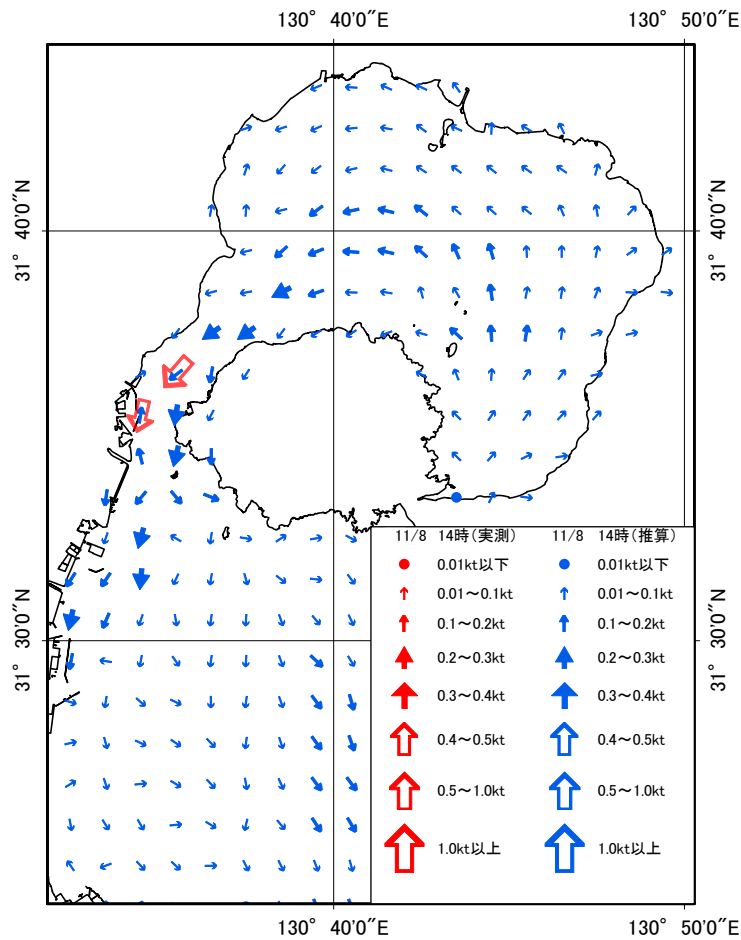
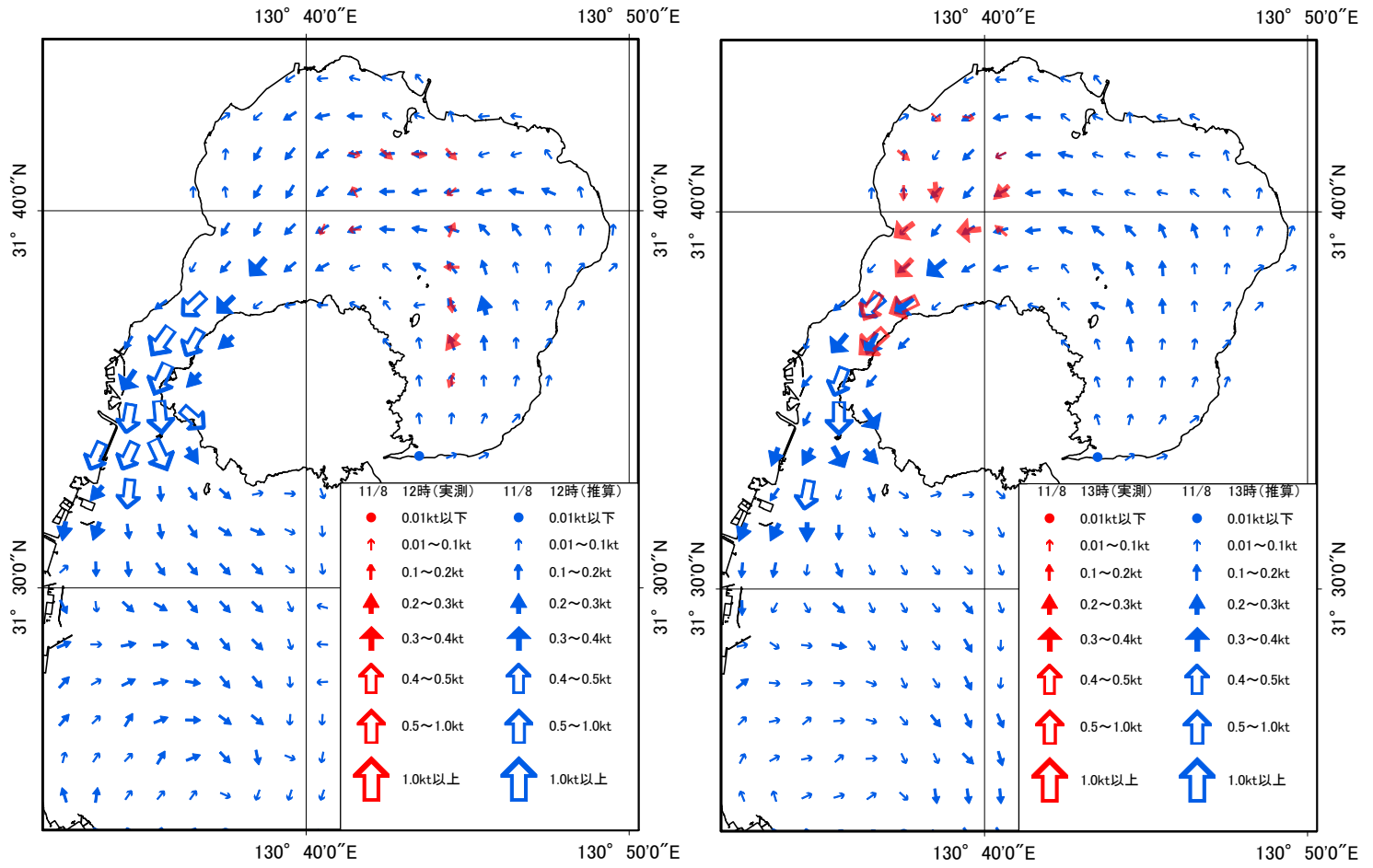




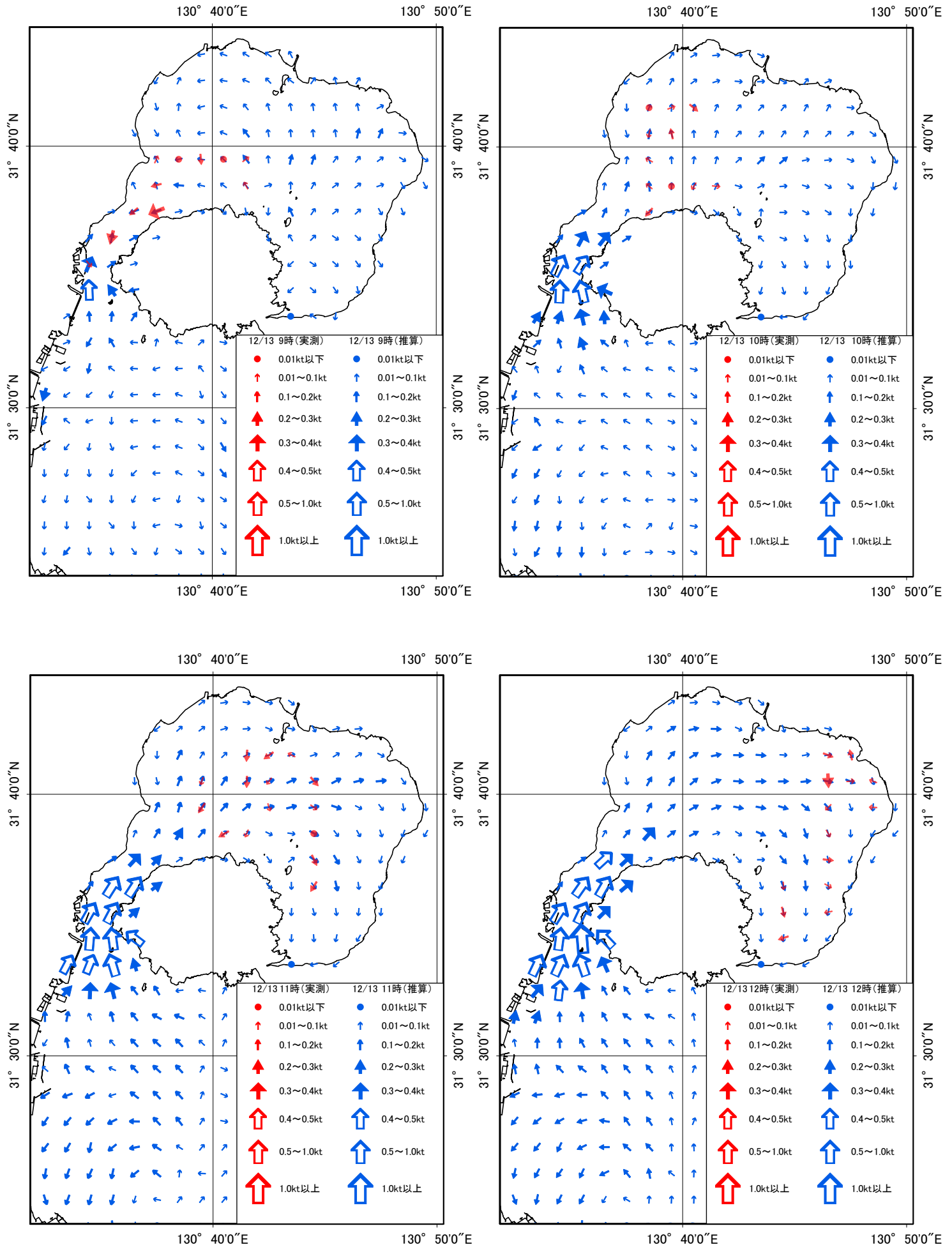


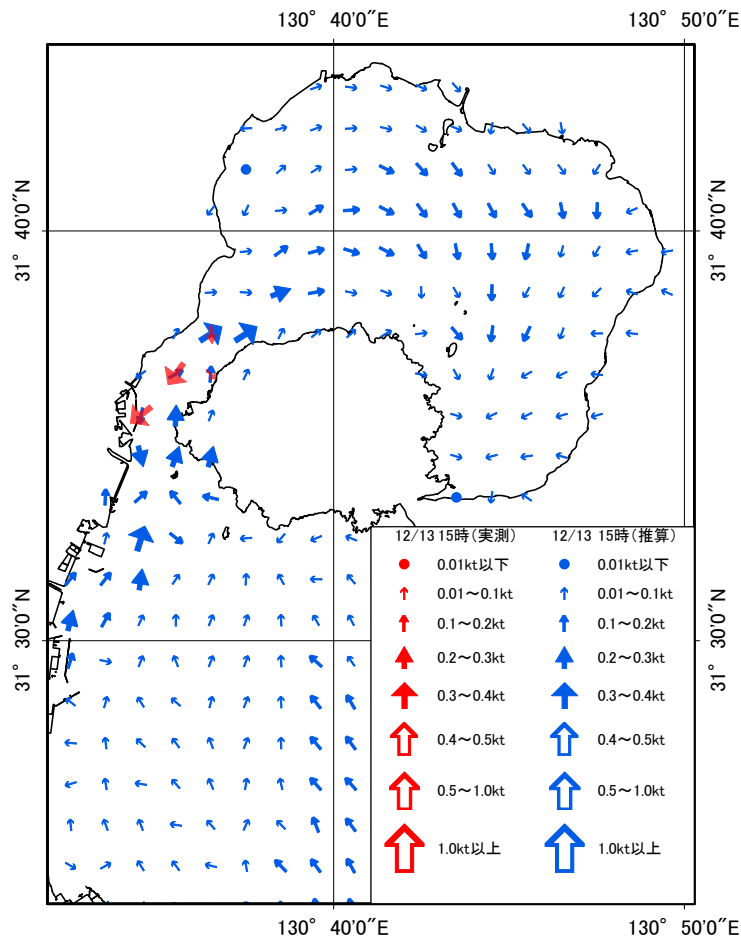
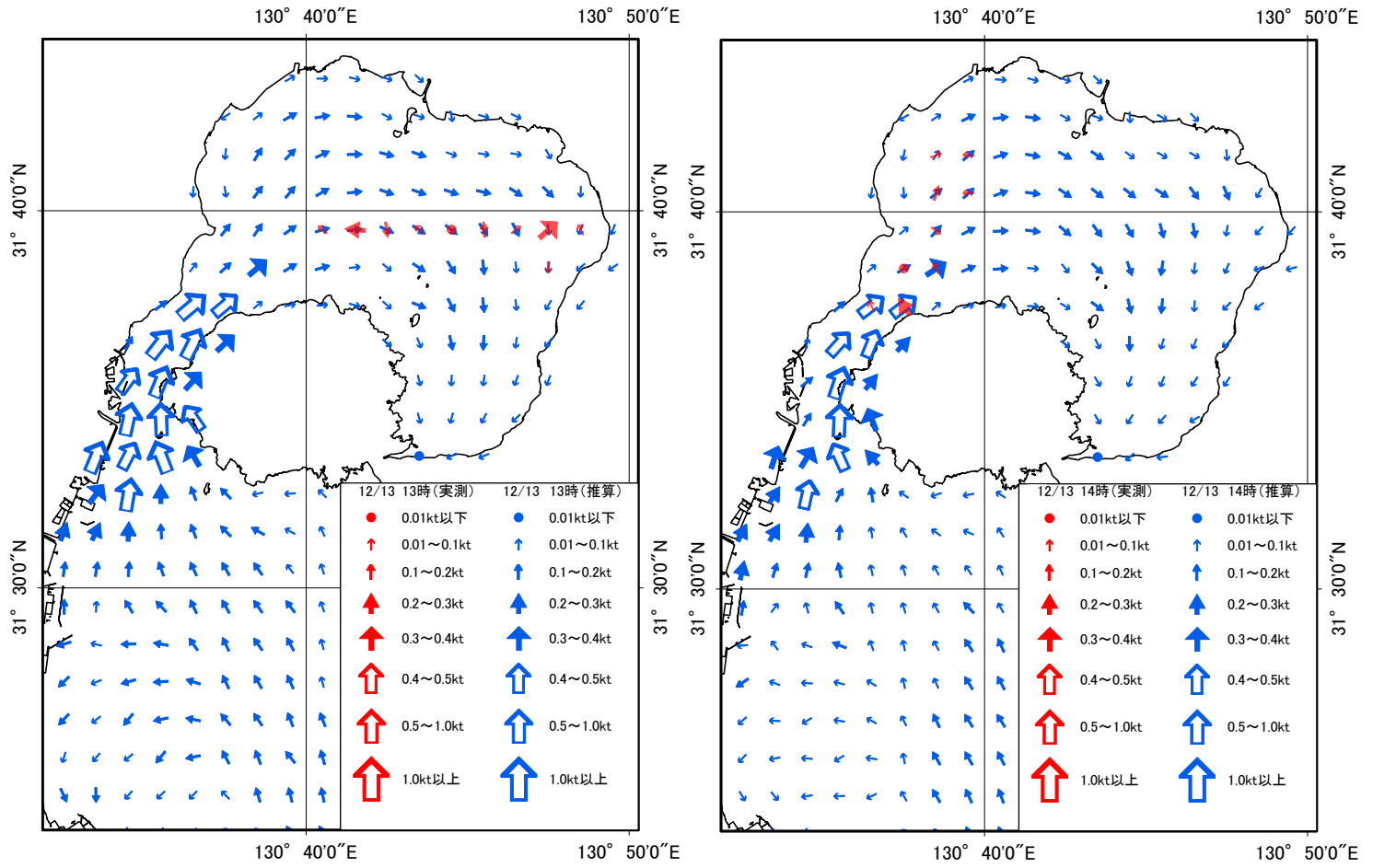
付図6-25 流況図



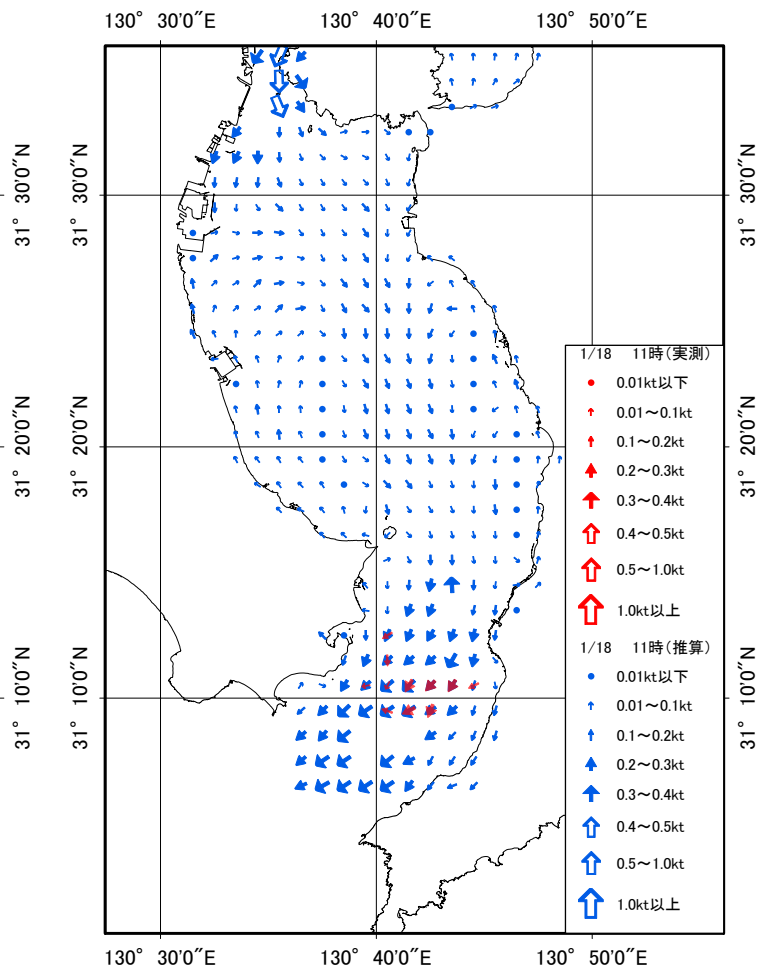
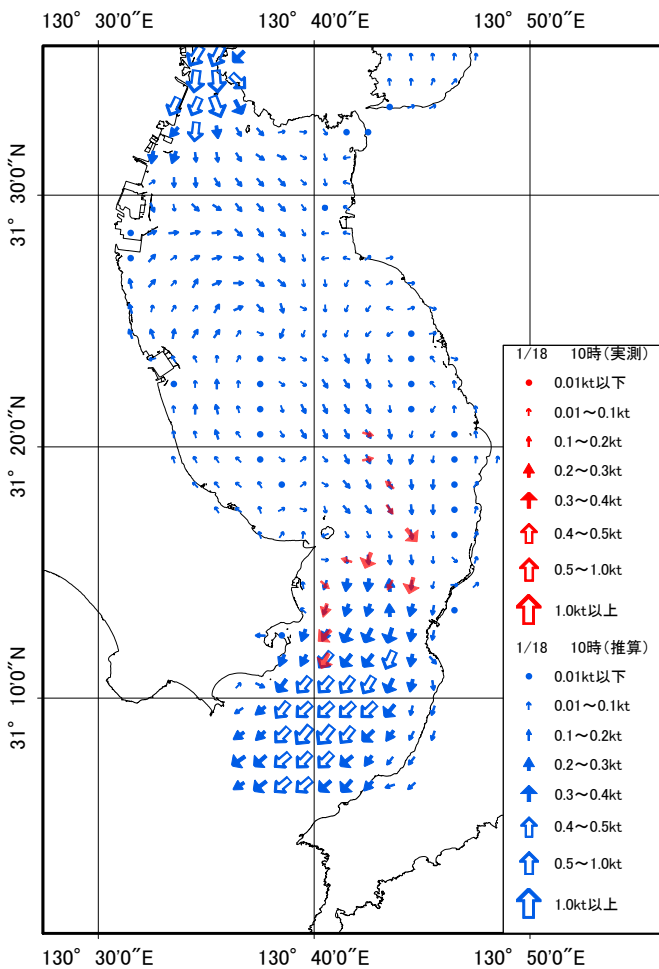
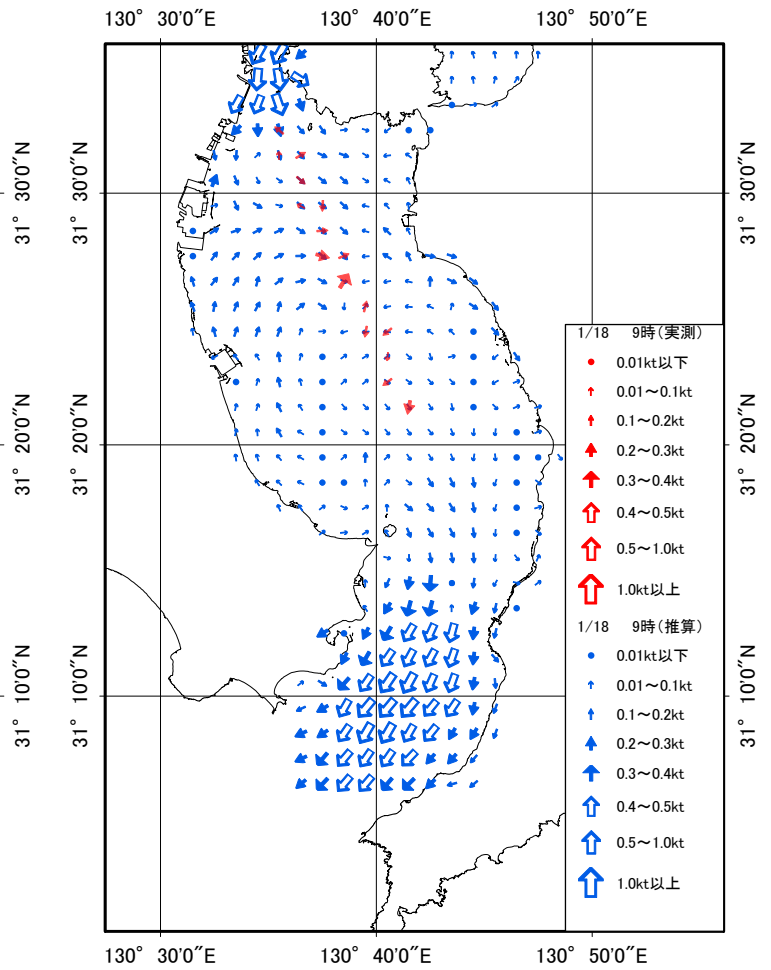
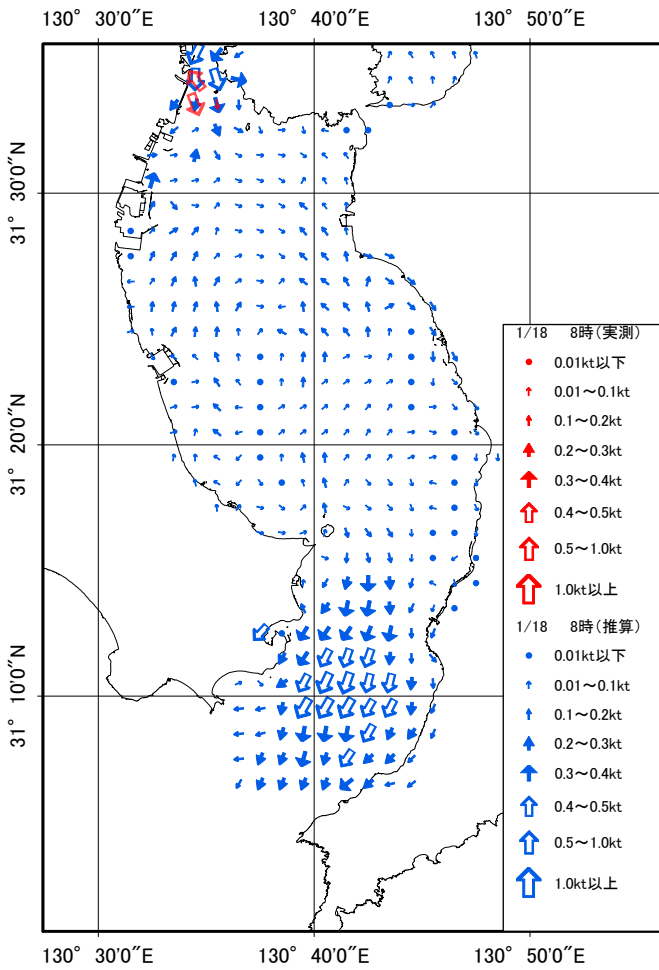


付図6-27 流況図

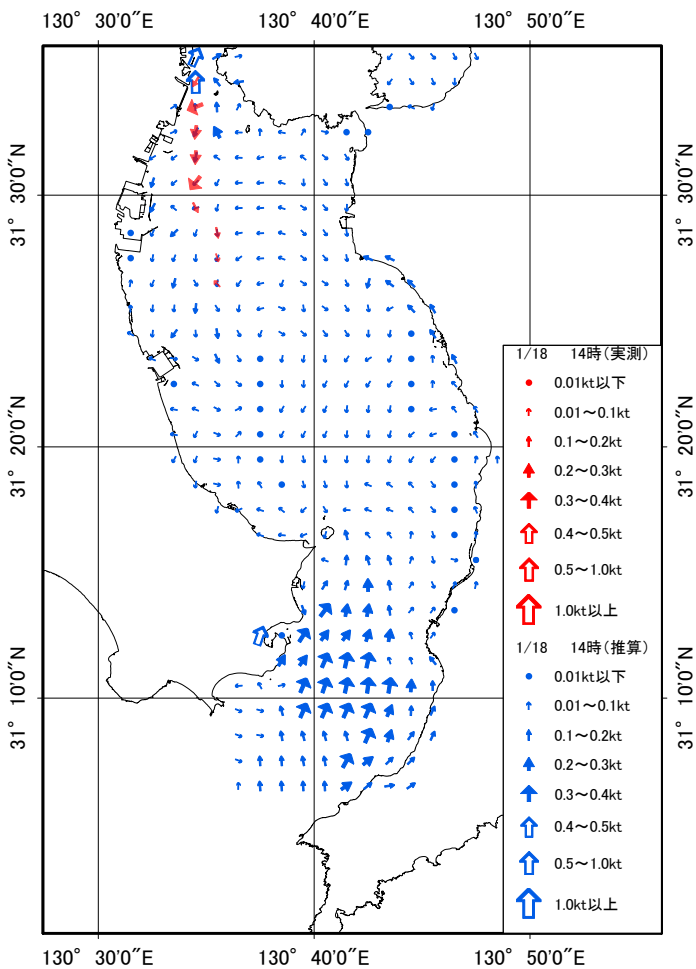
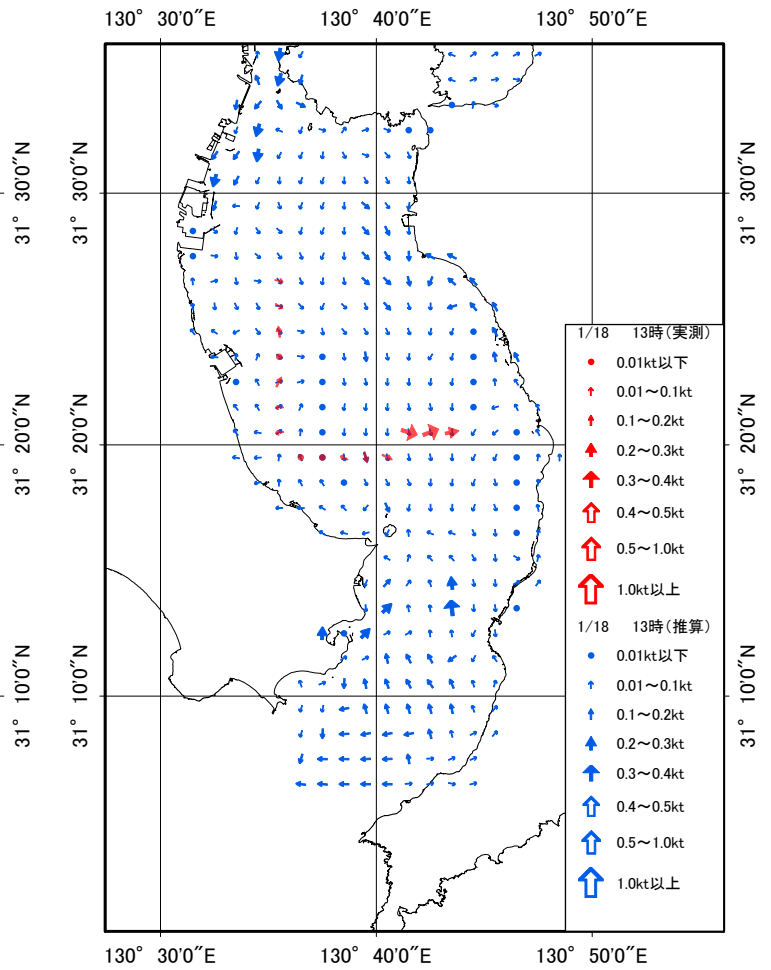
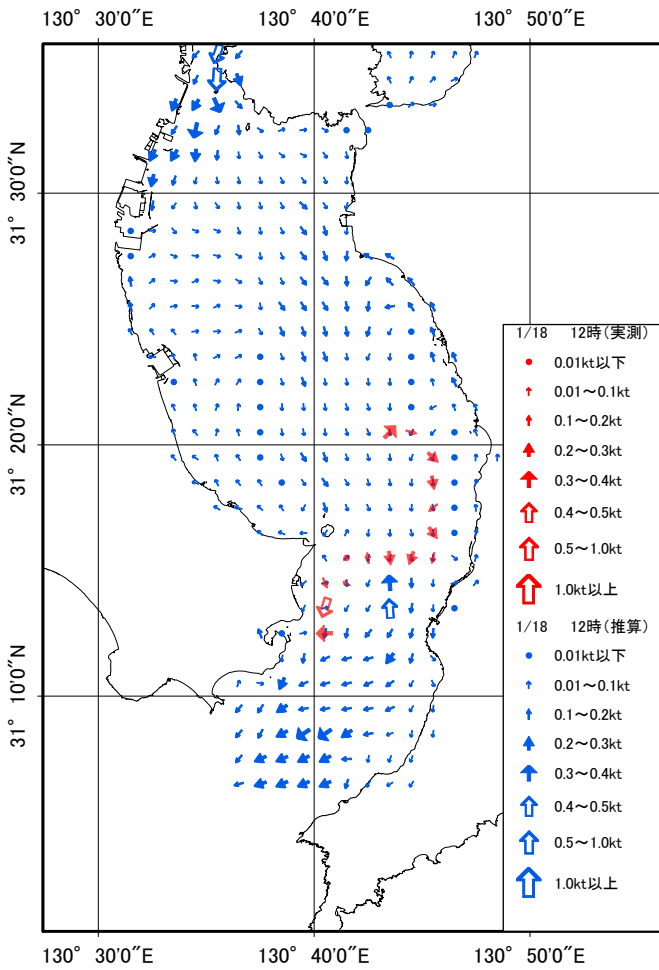




付図6-29 流況図

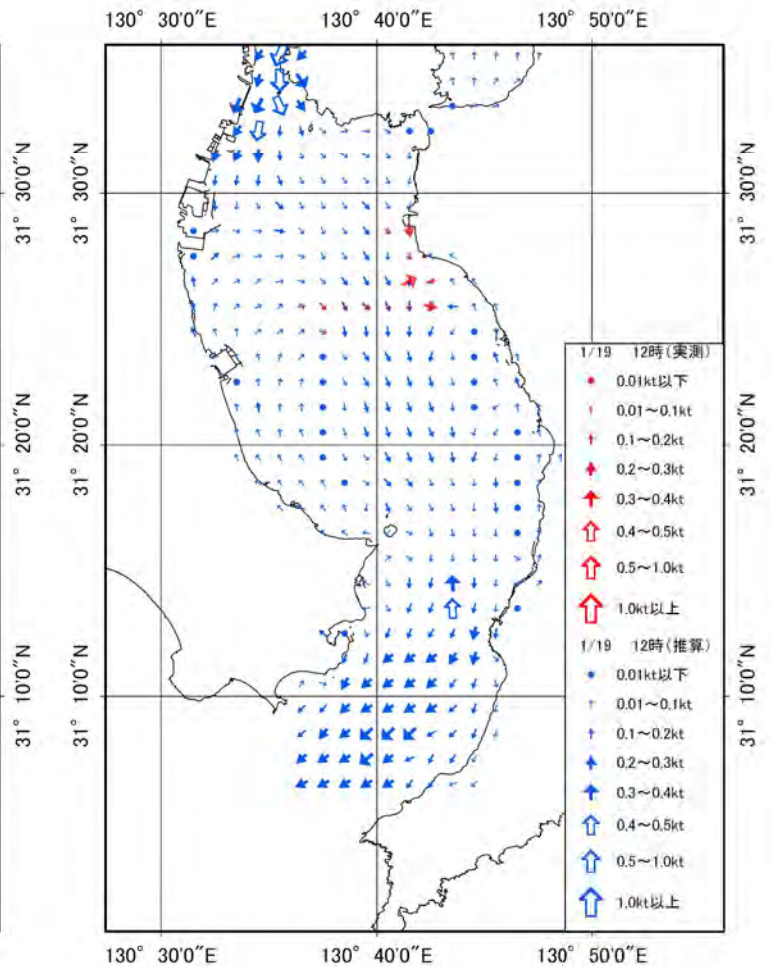
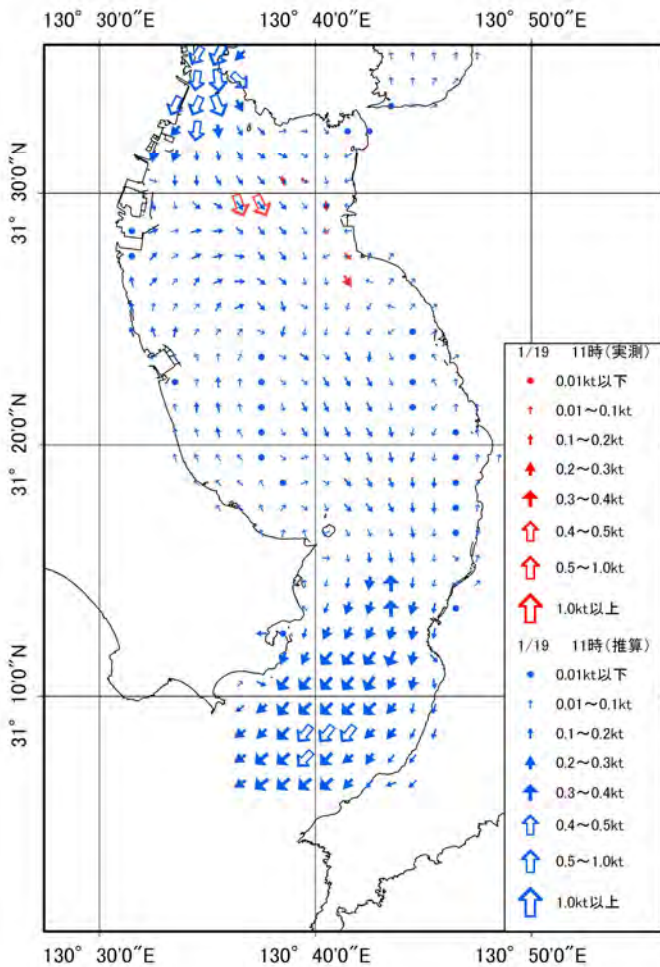
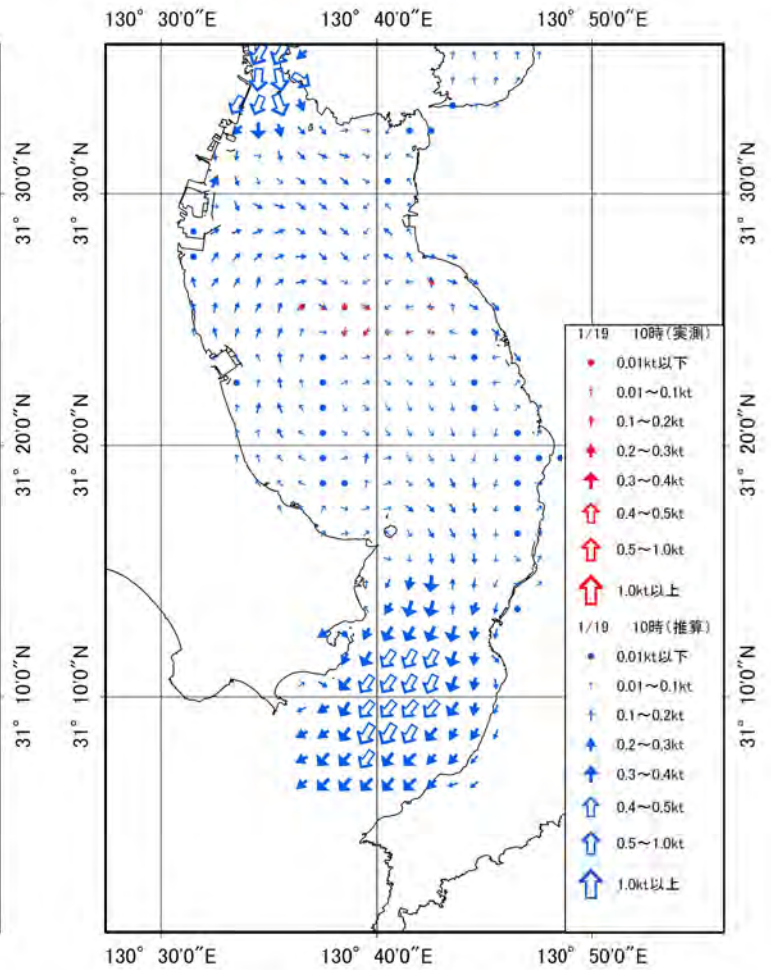
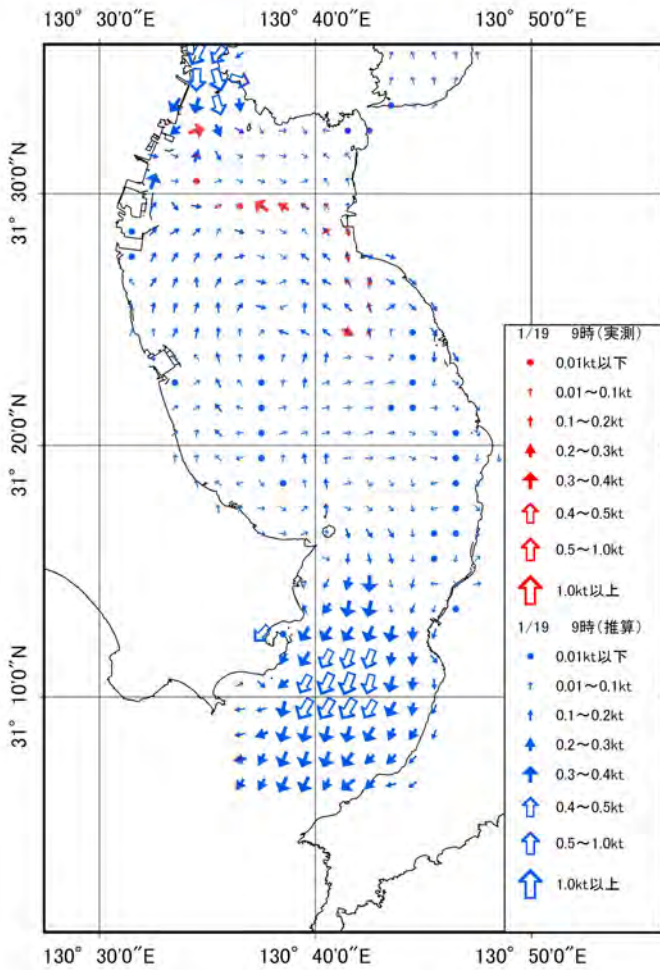


付図6-30 流況図

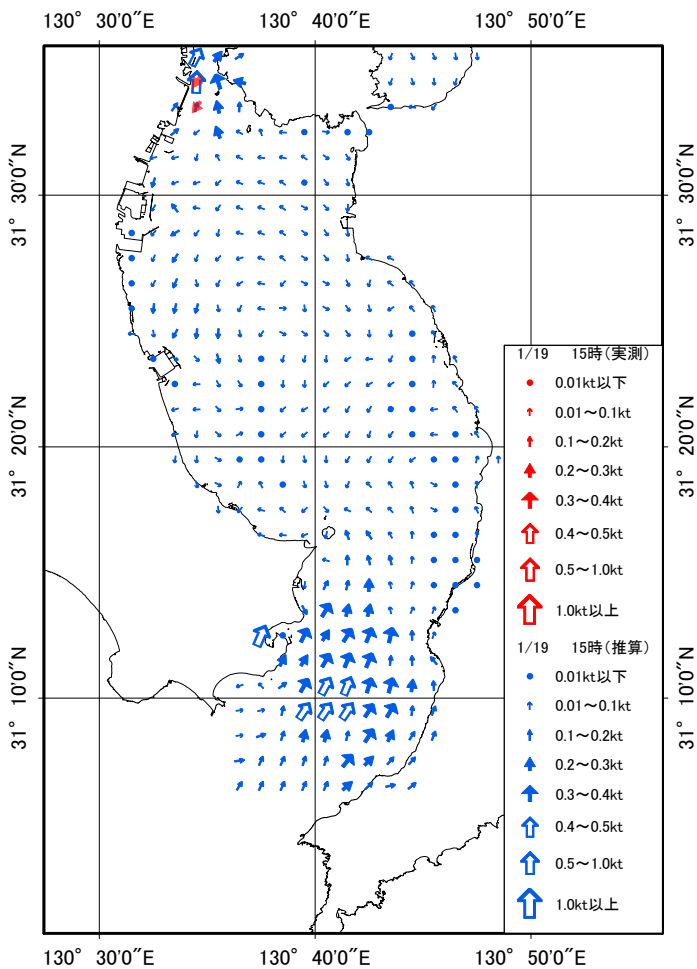
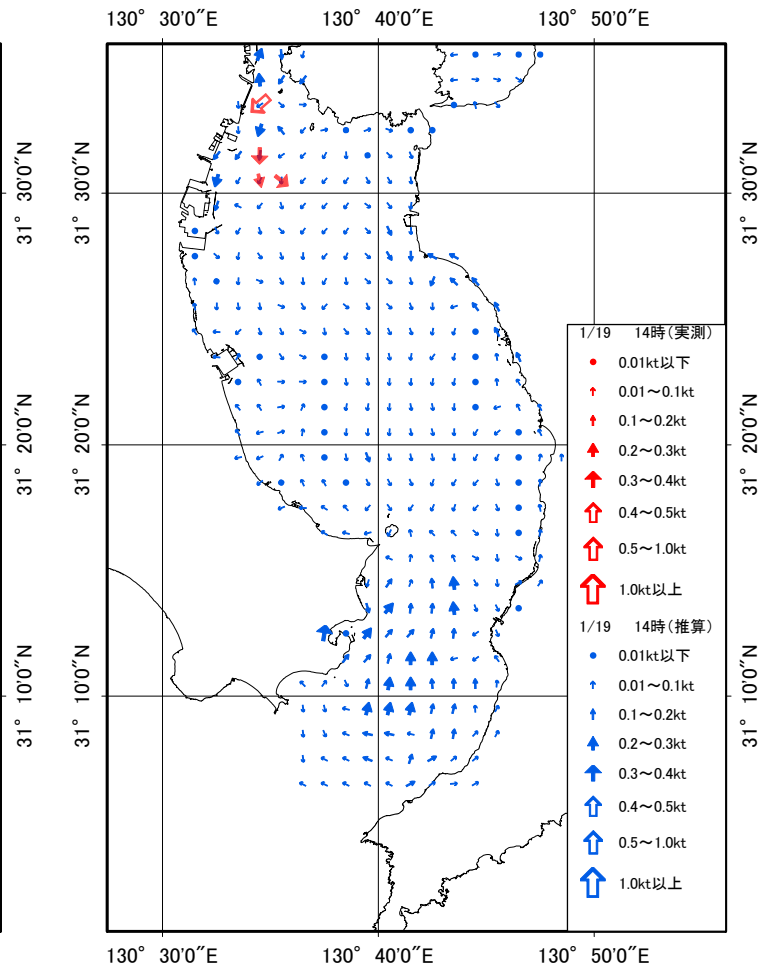
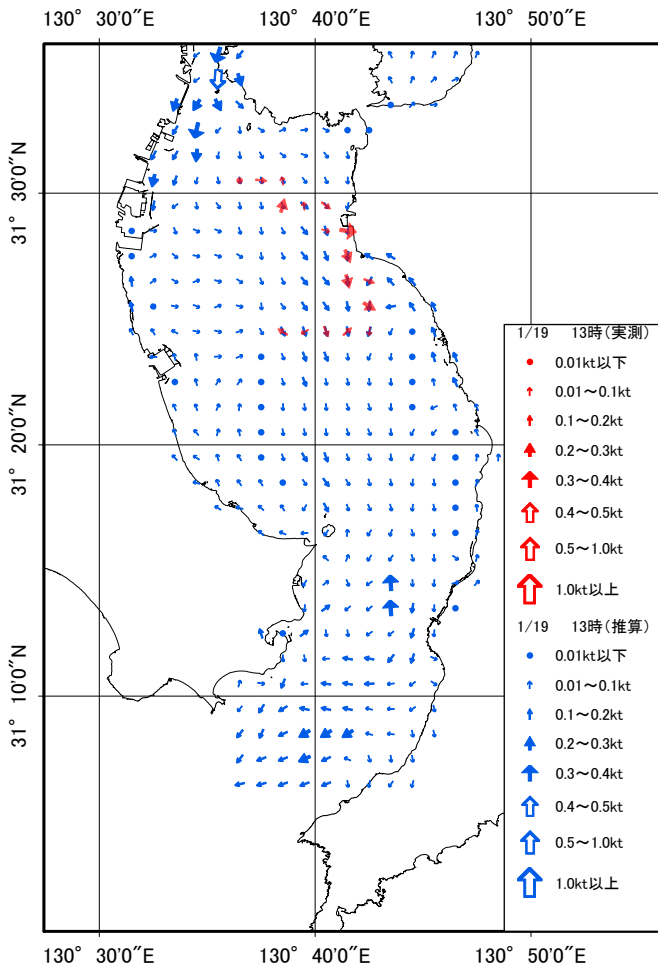




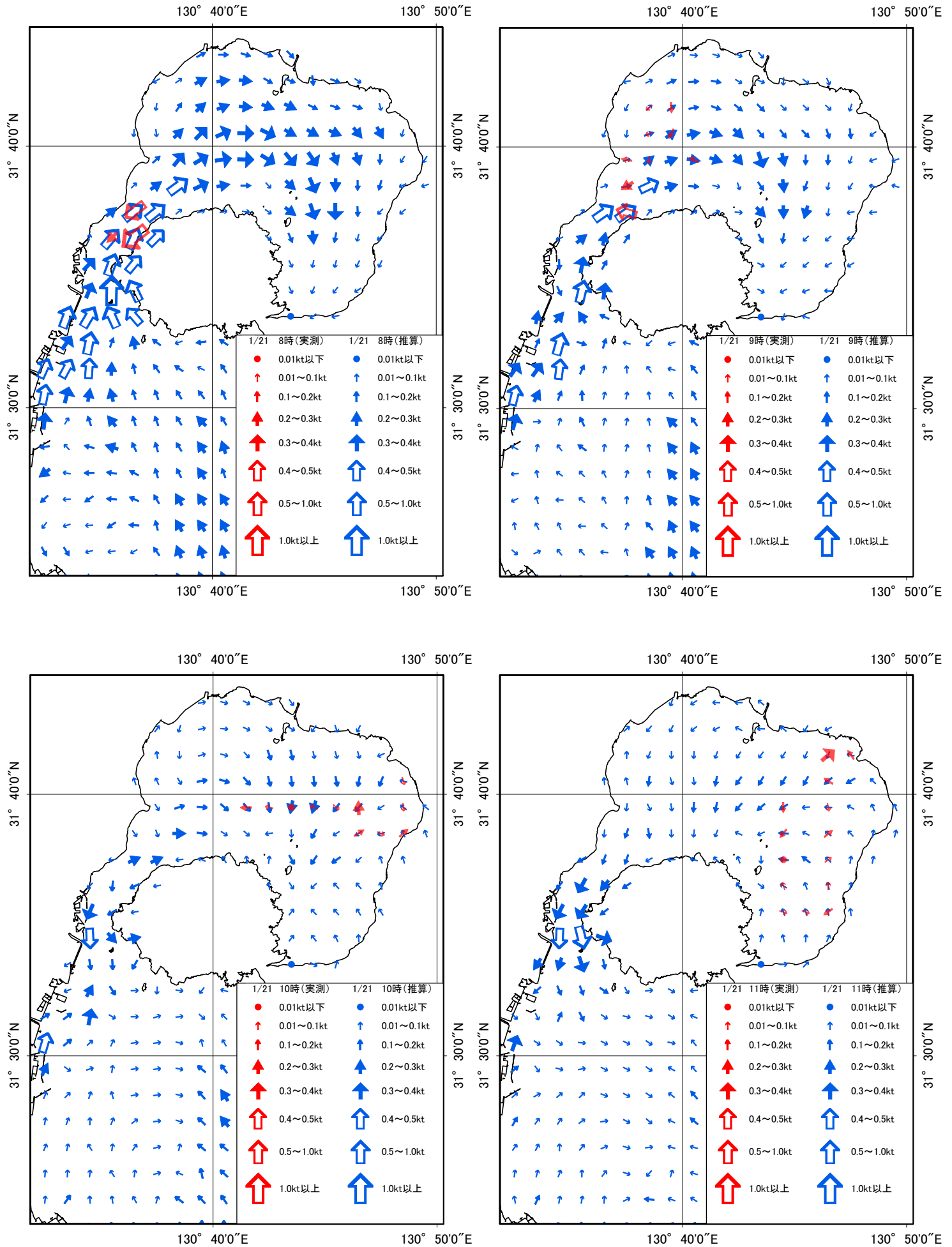
付図6-31 流況図

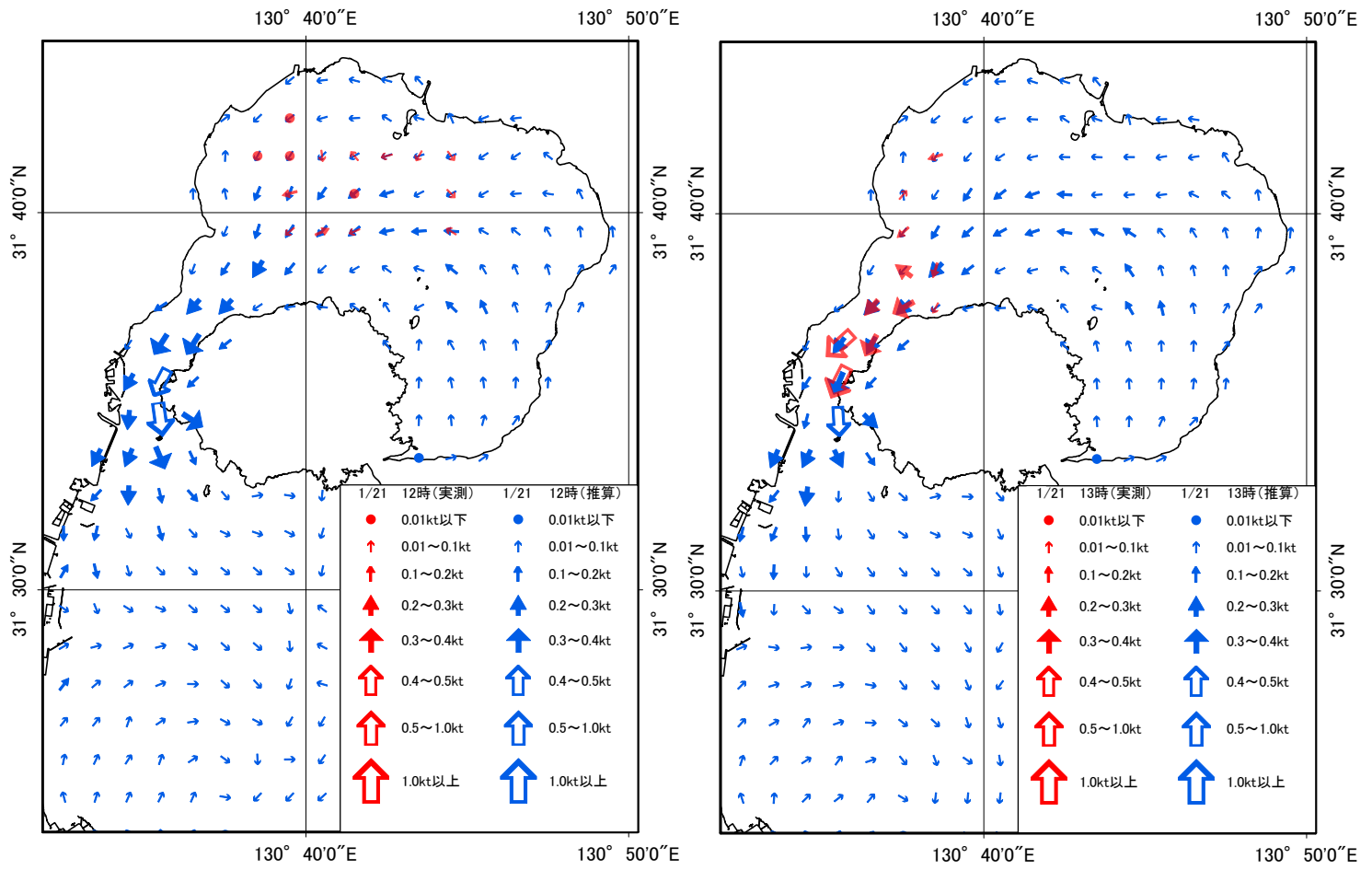


付図6-32 流況図

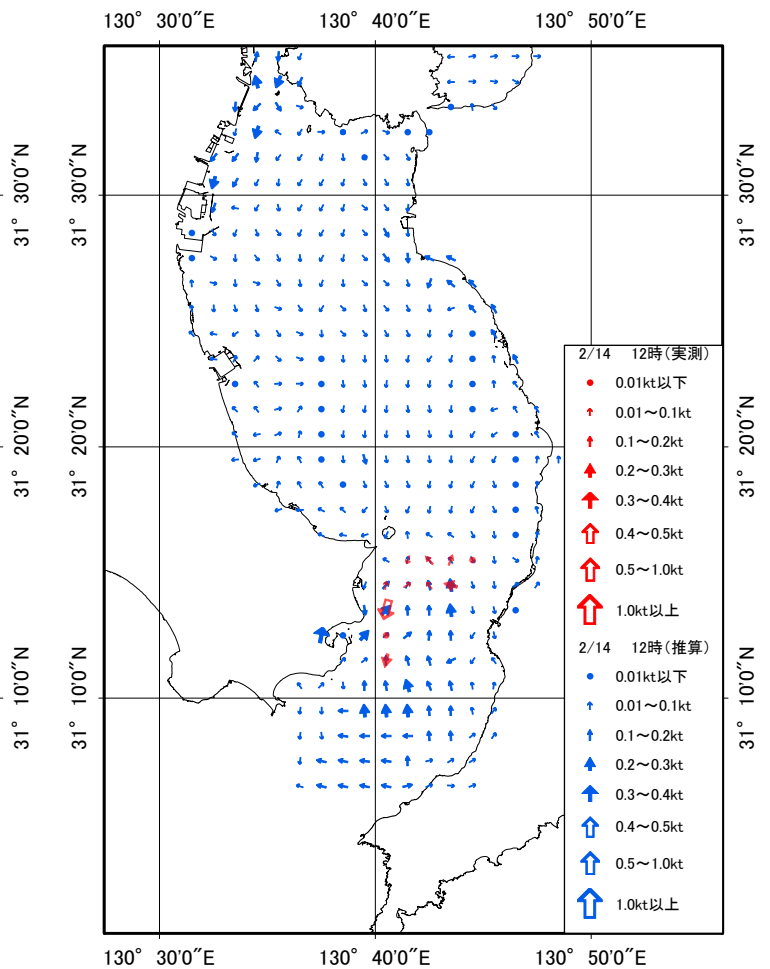
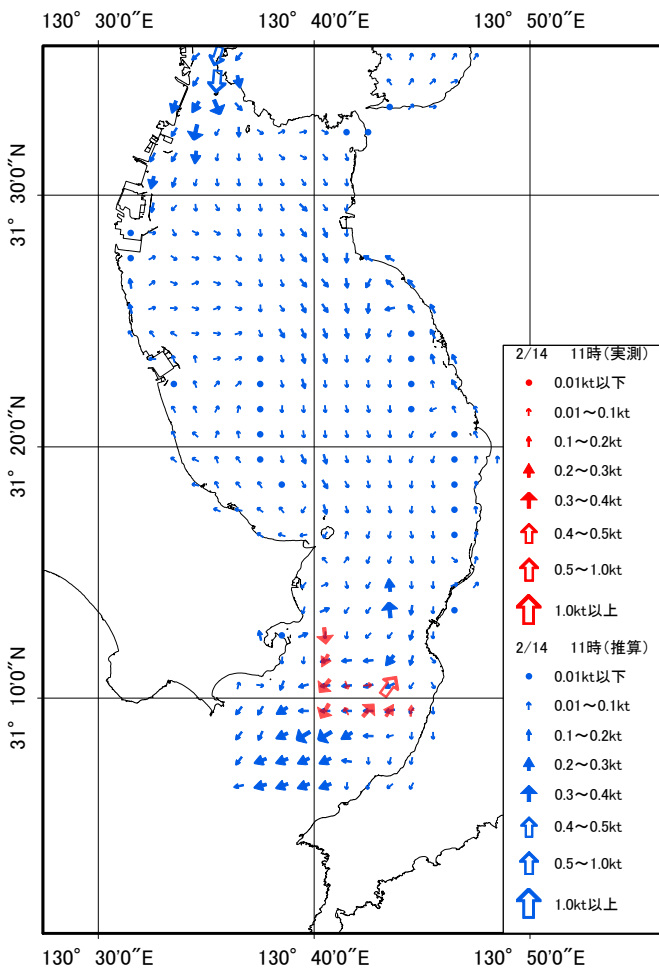
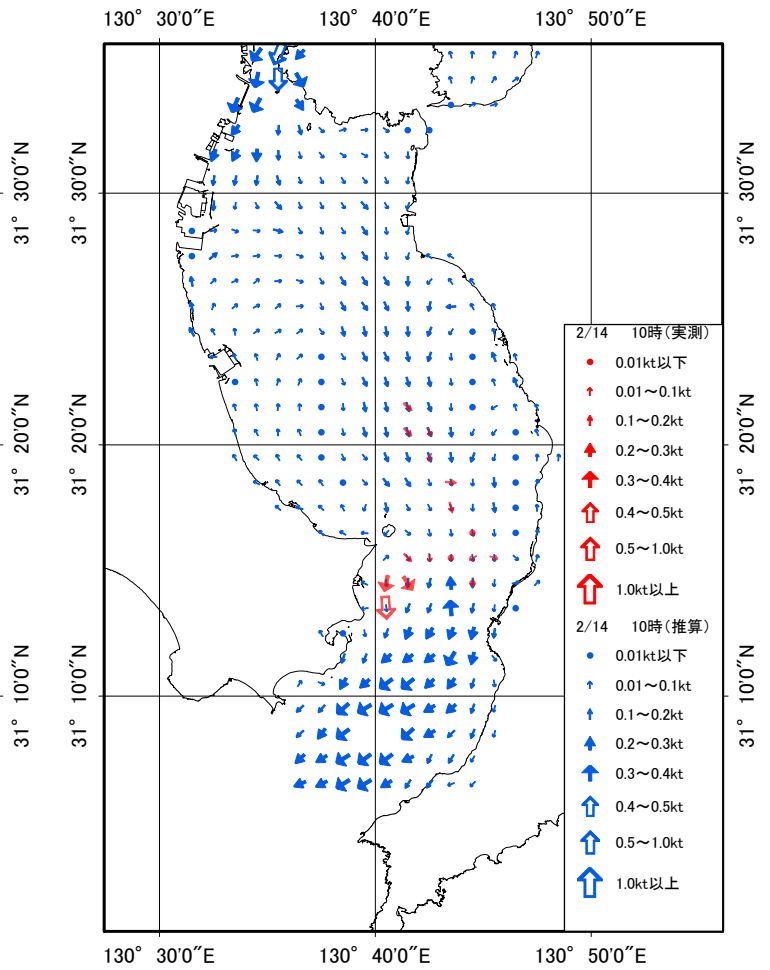
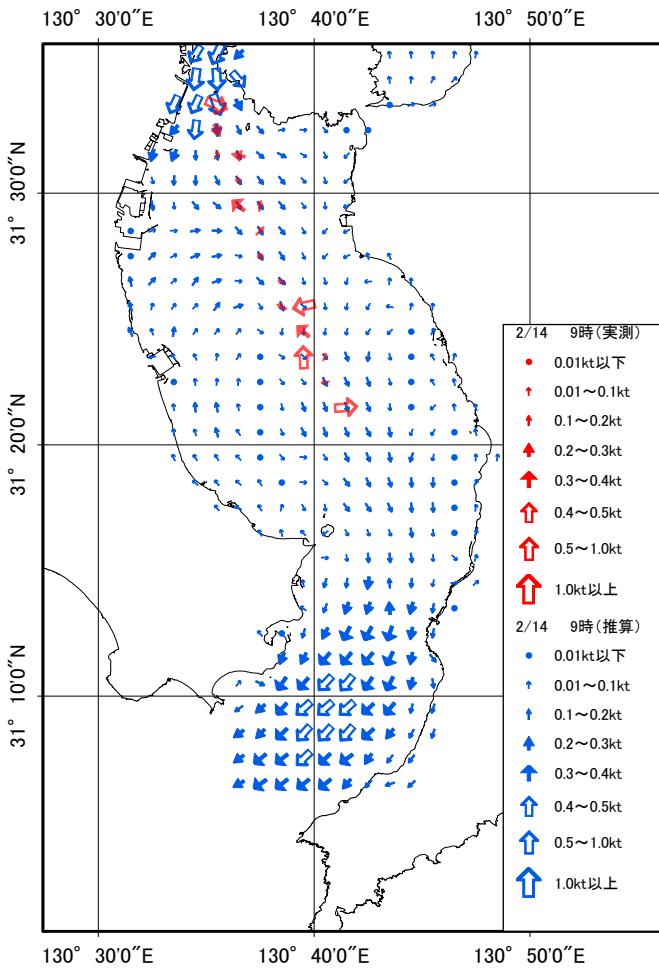


付図6-33 流況図

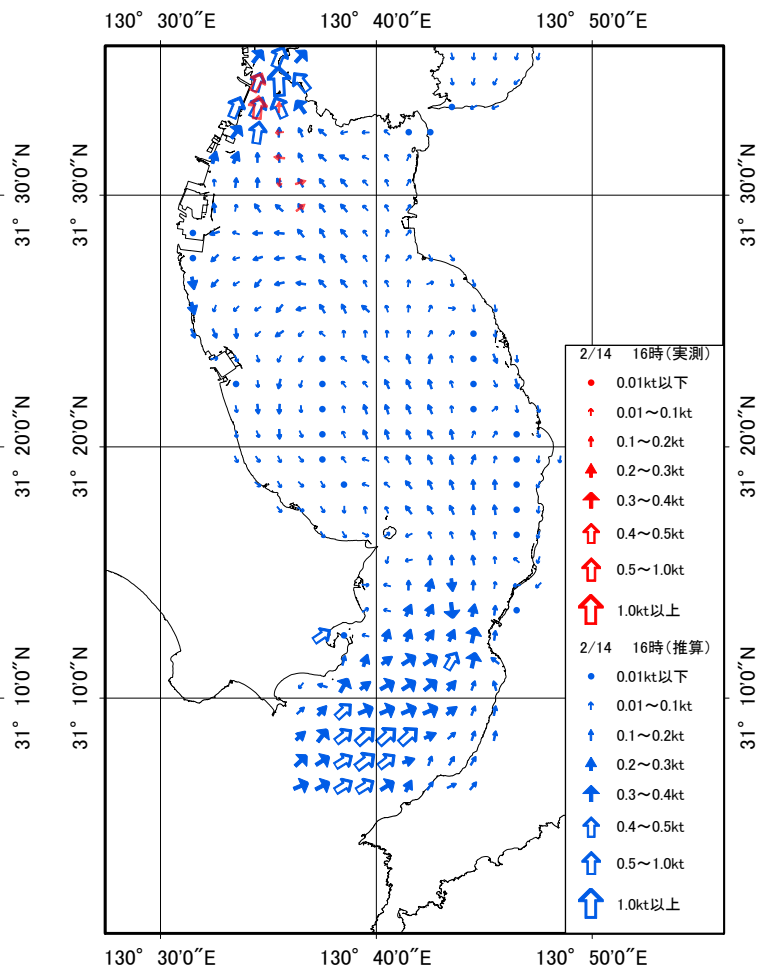
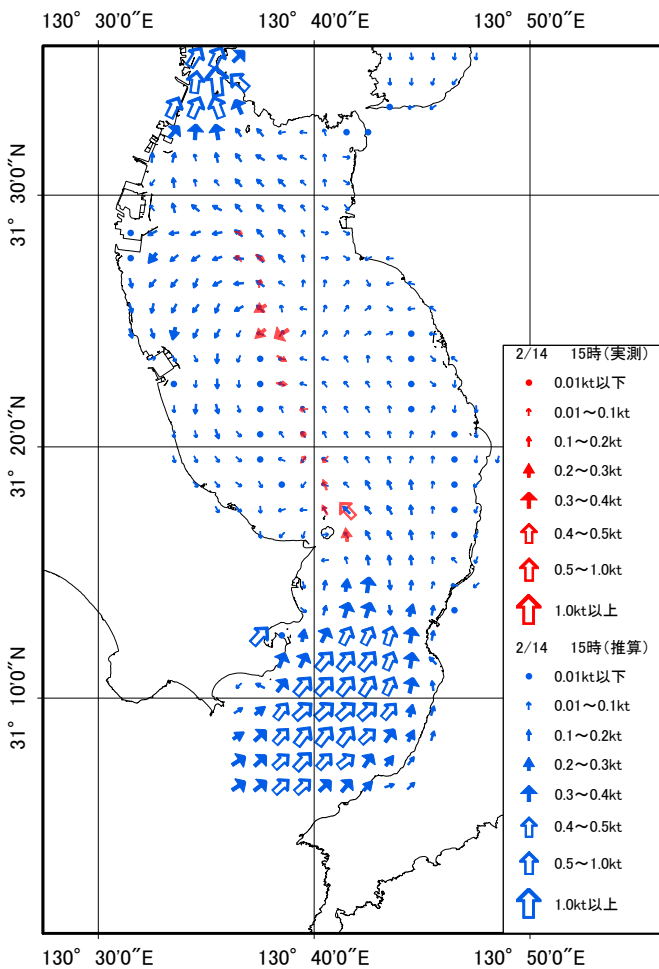
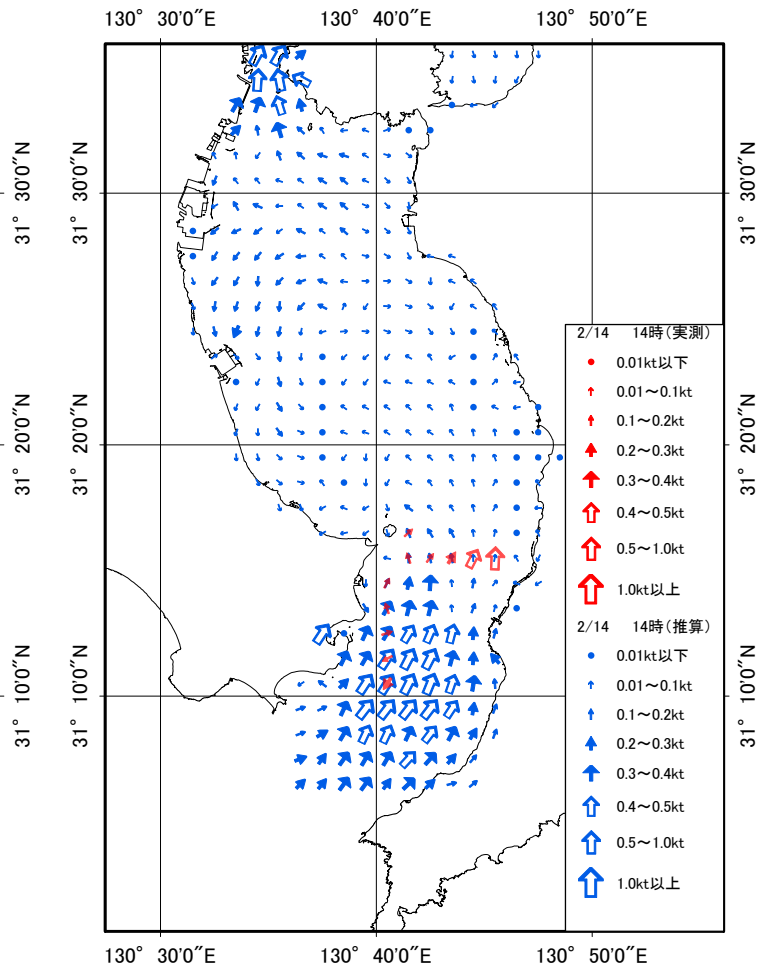
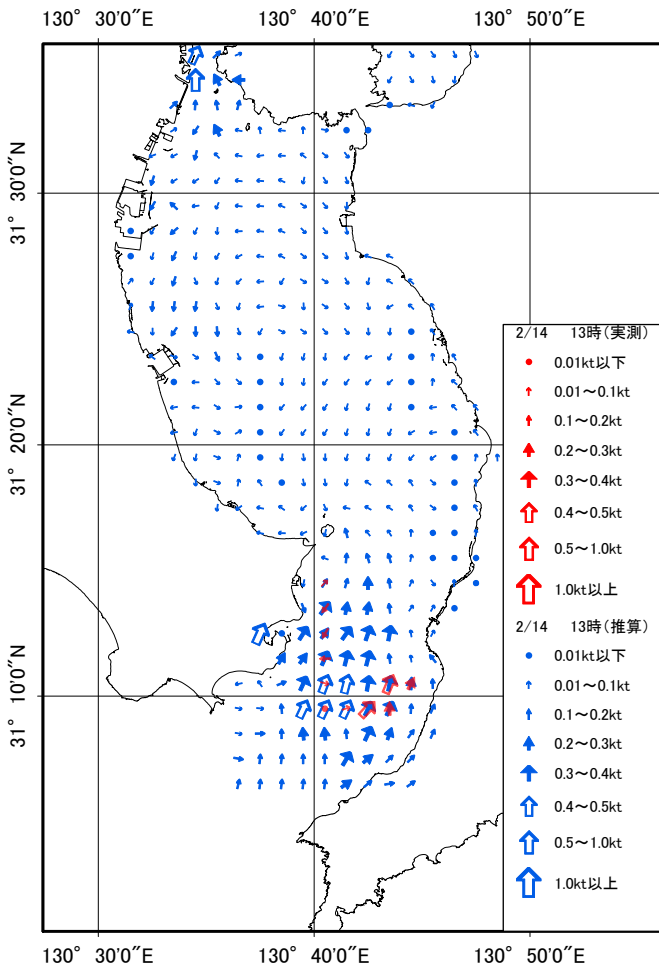




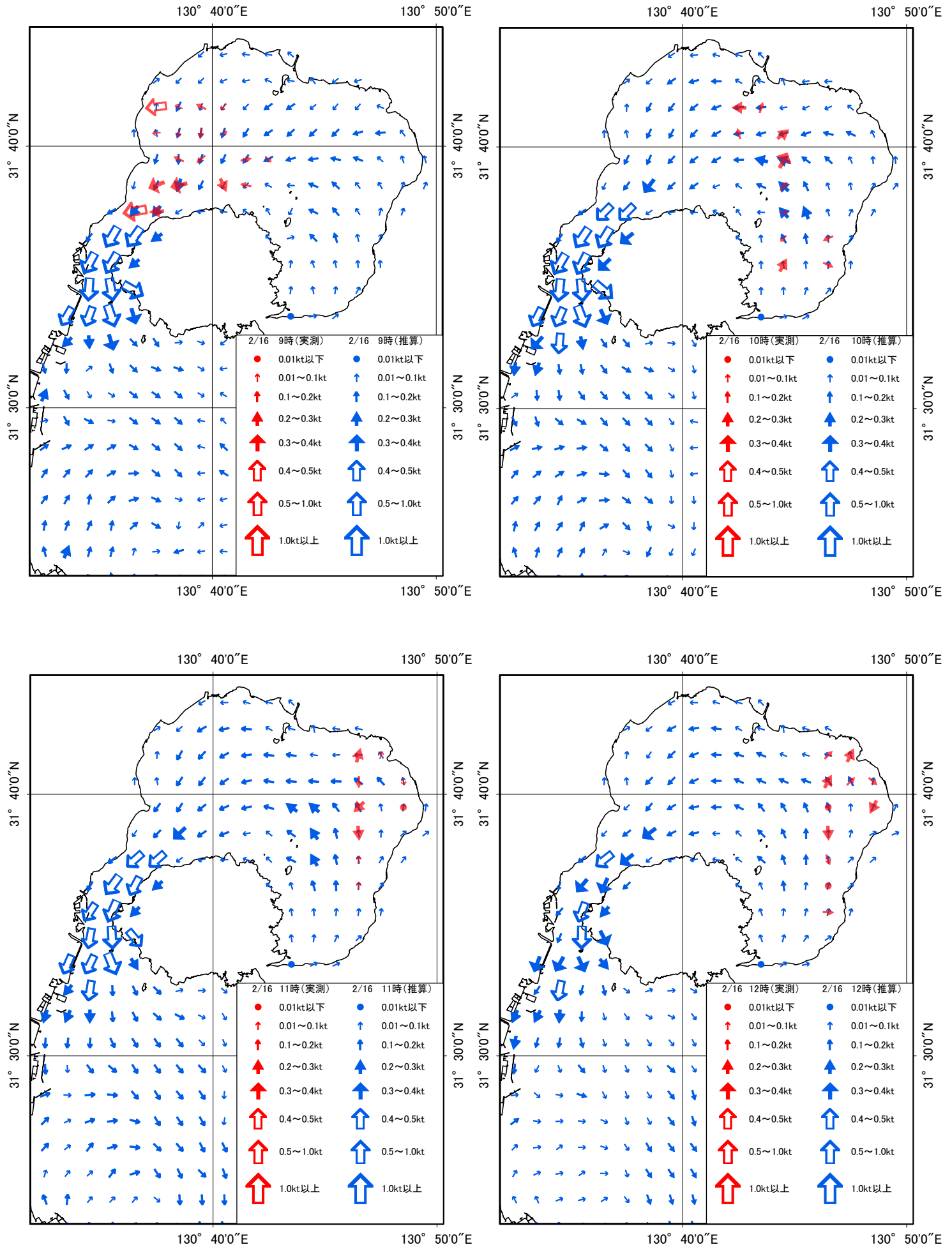
付図6-35 流況図

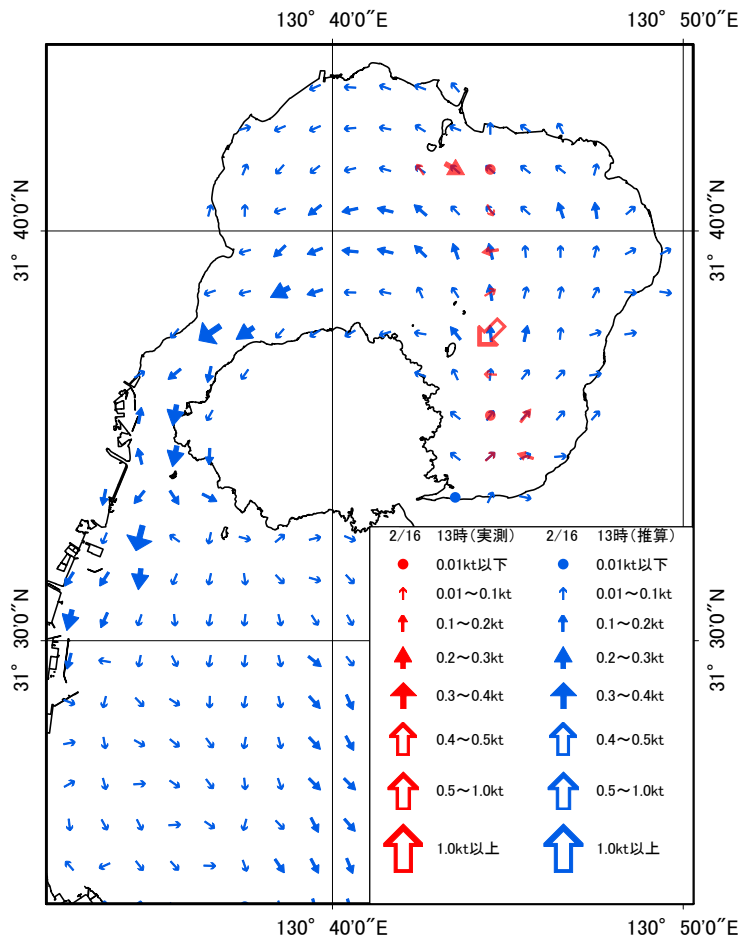


付図6-36 流況図



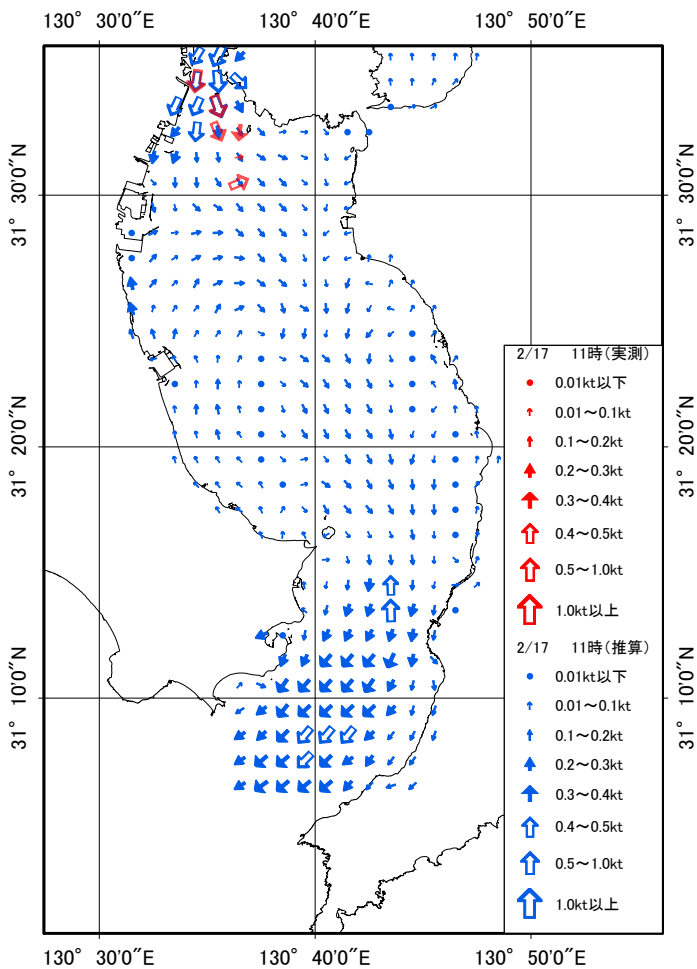
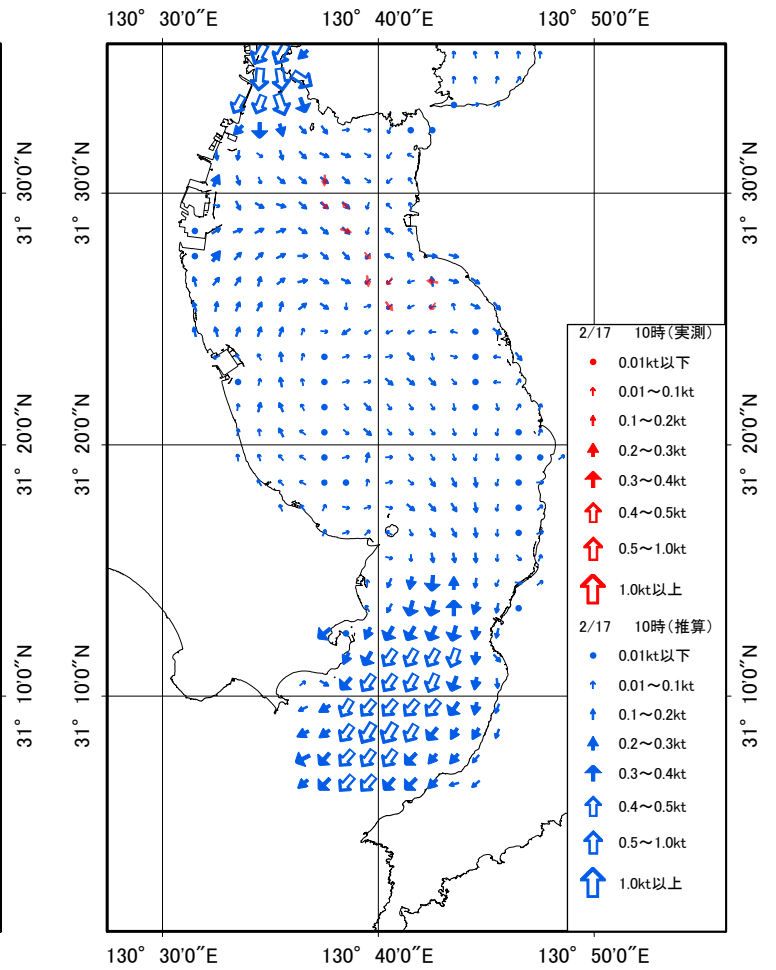
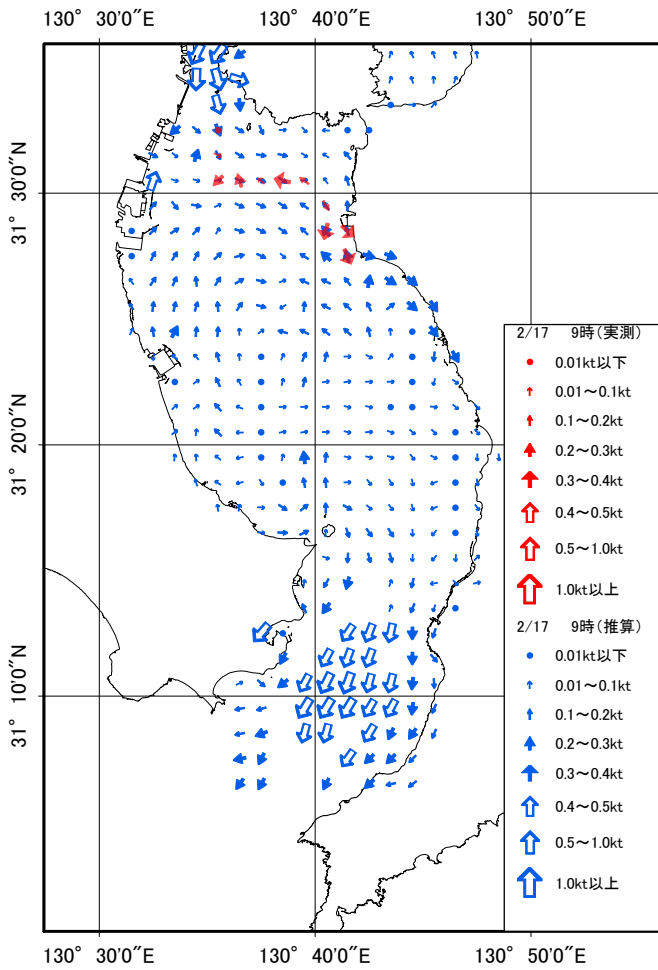
付図6-37 流況図



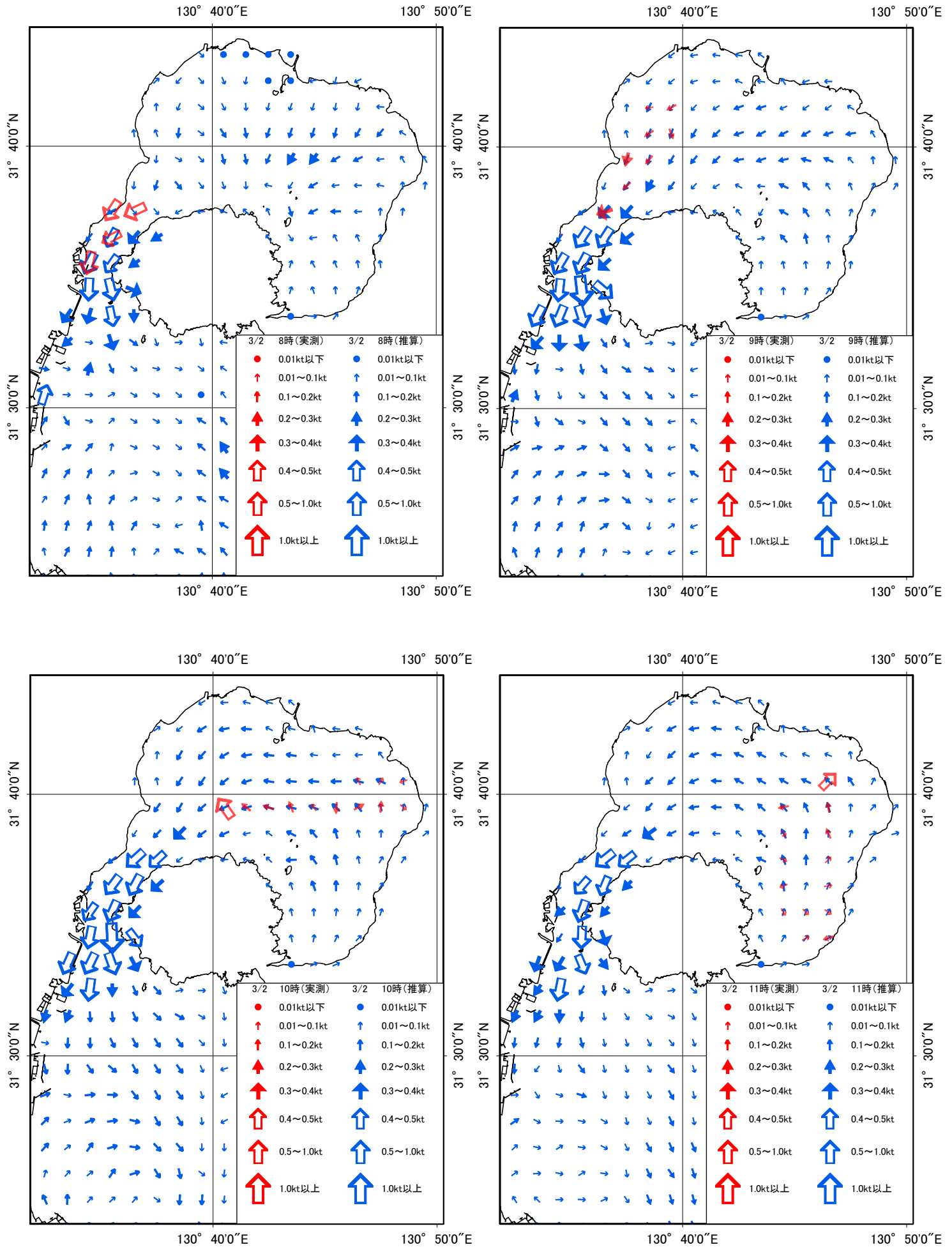




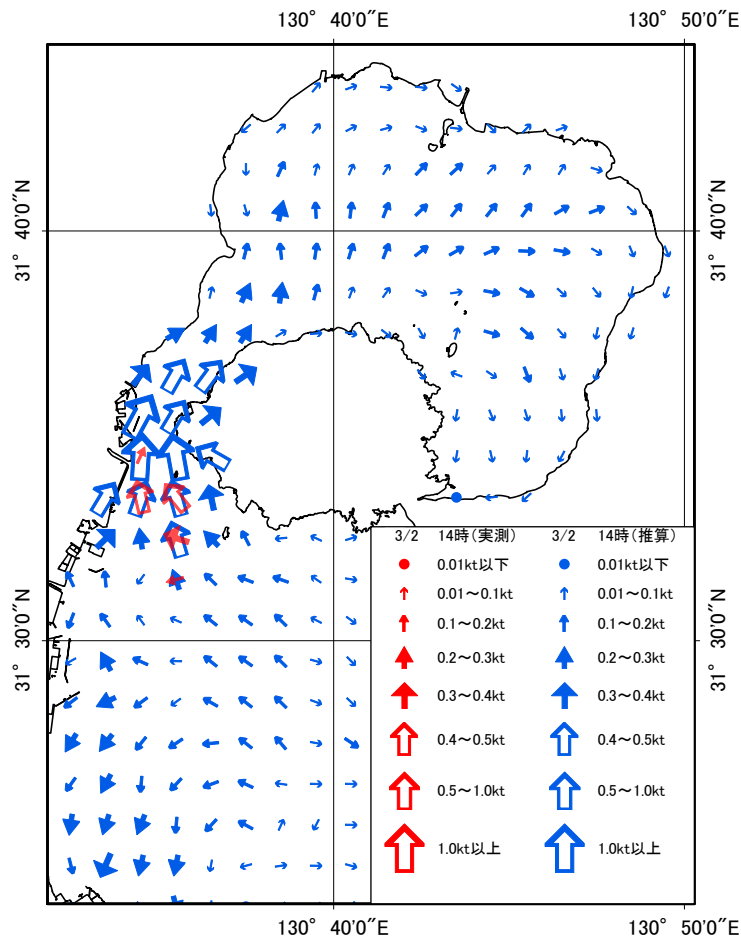
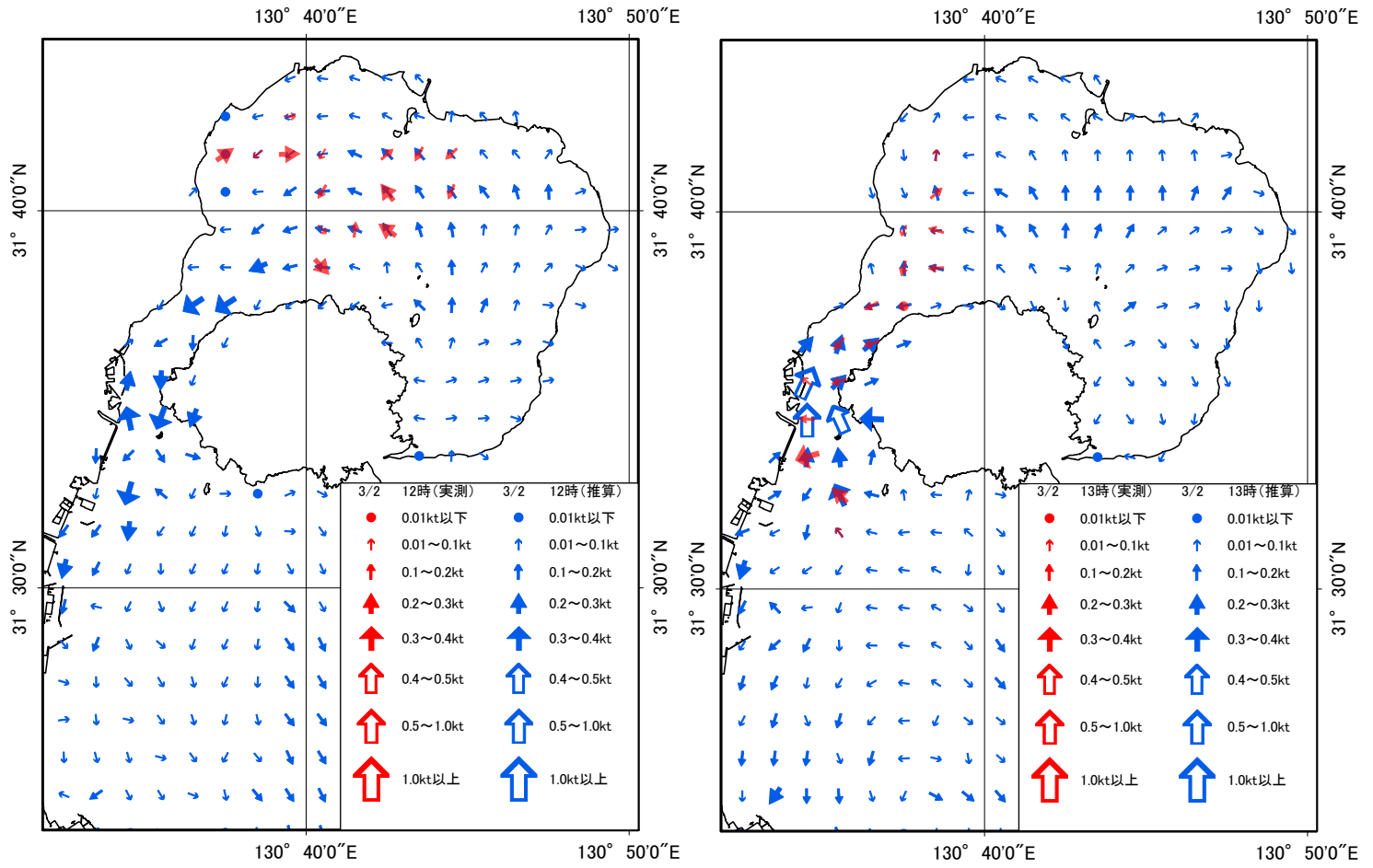
付図6-39 流況図



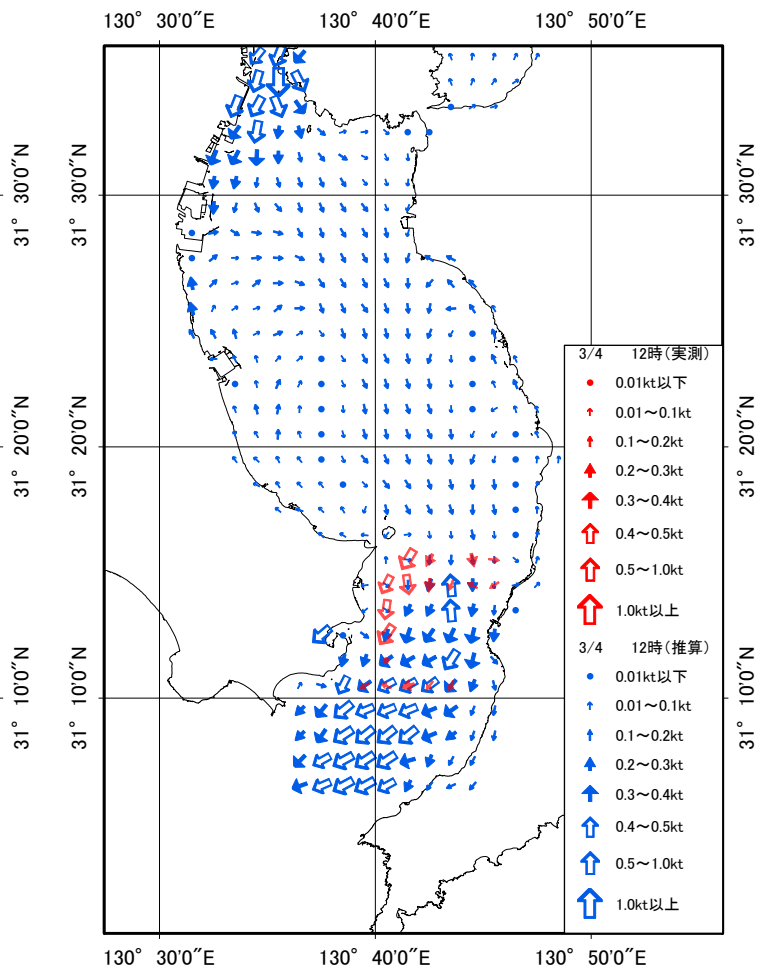
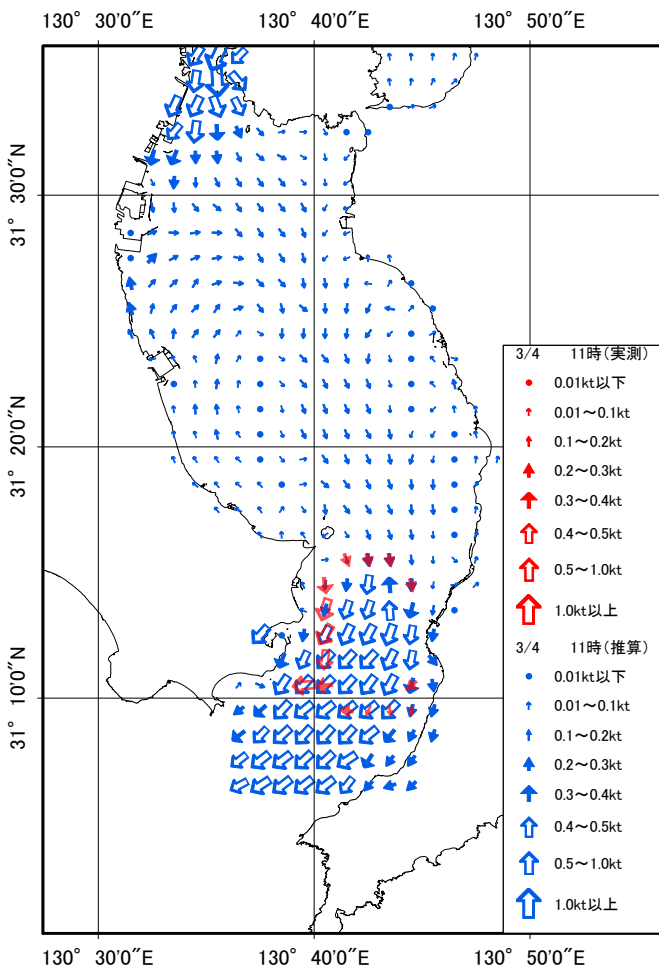
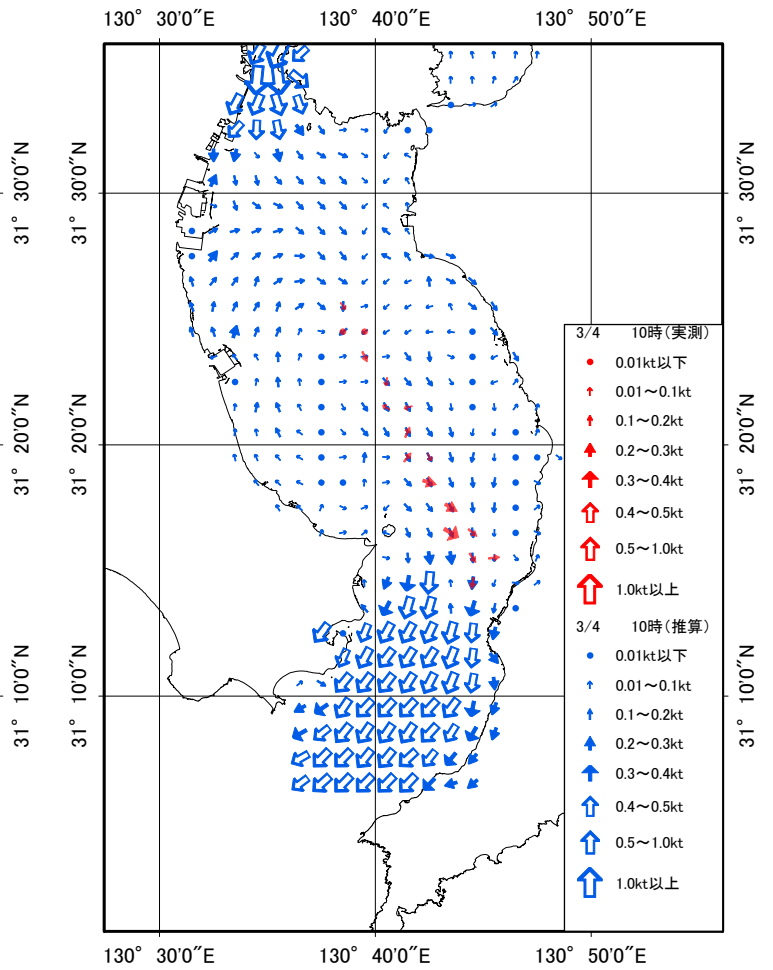
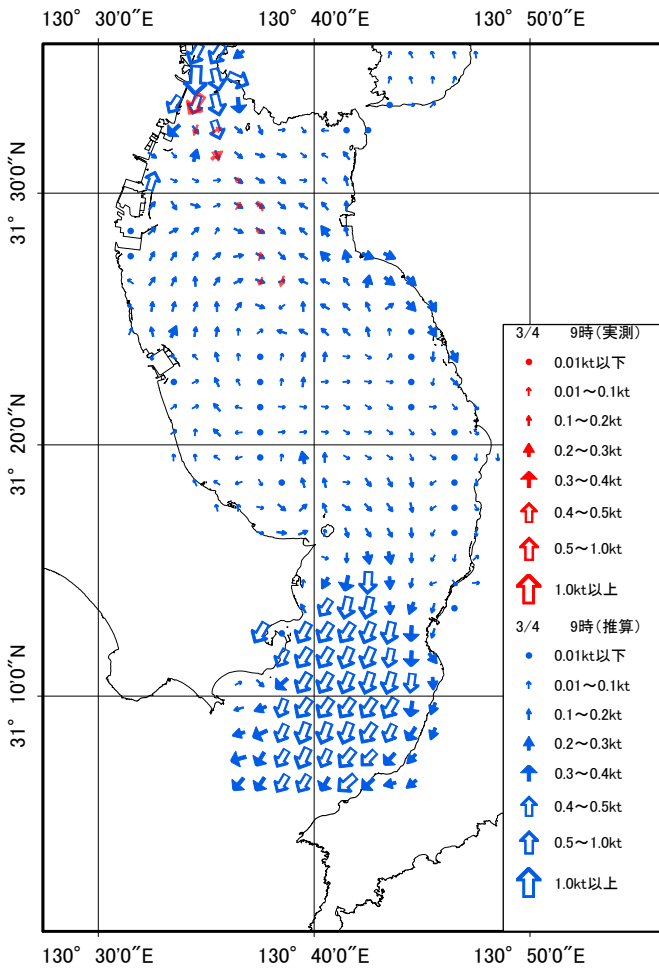
付図6-40 流況図



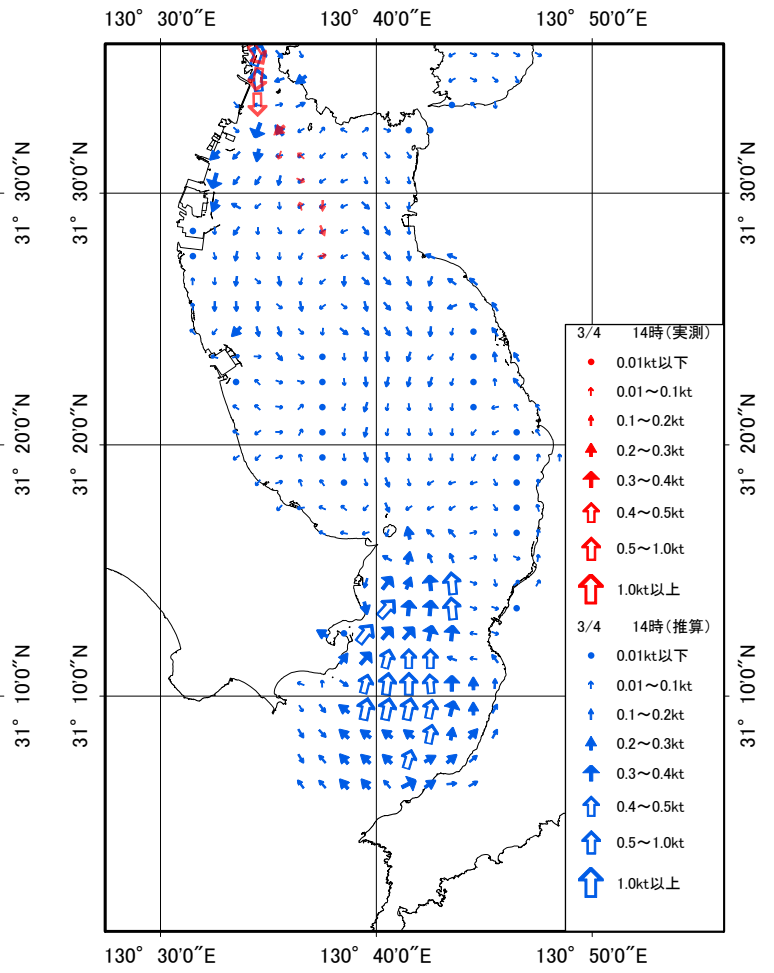
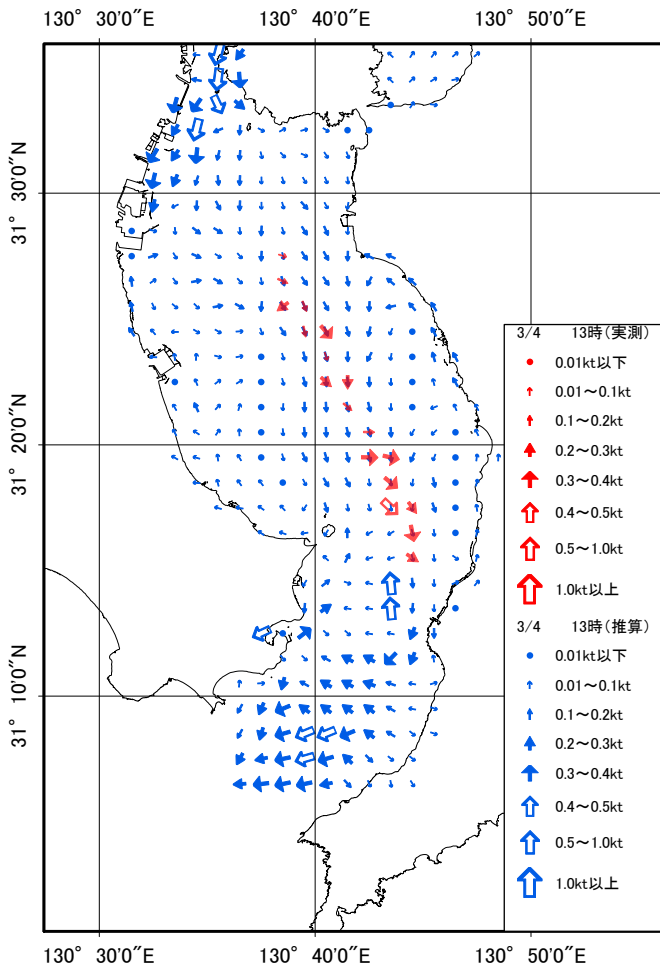
付図6-41 流況図



付図6-42 流況図



付図6-43 流況図



別表1 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14	
日付	2021/4/28	2021/4/28	2021/4/28	2021/4/27	2021/4/27	2021/4/27	2021/4/27	2021/4/27	2021/4/27	2021/4/27	2021/4/27	
時刻	12:50	13:55	13:35	15:45	15:07	14:32	14:00	13:25	12:52	12:15	11:20	
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"	
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"	
水深(m)	200	130	150	150	228	204	118	109	103	123	250	
透明度(m)	6.0	5.0	7.0	12.0	12.0	14.5	12.0	22.0	23.0	19.0	15.0	
気温(℃)	19	18	19	21	21	21	22	21	20	20	18	
天気	晴	曇	曇	晴	曇	曇	曇	晴	晴	晴	晴	
風向	NE	SE	ENE	SSE	S	SSW	SSW	S	SE	SE	ESE	
風速(m/s)	1.5	2.0	0.5	2.0	2.5	2.5	2.5	3.5	7.5	5.0	7.6	
気圧(hPa)	1018.7	1018.0	1018.4	1020.3	1020.5	1021.0	1021.0	1021.0	1021.0	1021.5	1021.5	
水温(℃)	2.0	19.84	19.20	19.78	22.35	22.56	21.52	20.45	22.34	21.65	21.93	22.23
	5.0	19.43	19.00	19.80	22.24	22.52	21.32	20.37	22.12	21.64	21.74	22.21
	10.0	18.97	18.74	19.98	21.74	22.14	20.33	20.24	22.04	21.27	21.28	22.20
	15.0	18.67	18.41	19.91	21.55	22.01	19.98	20.12	21.58	21.13	20.57	22.13
	20.0	18.14	17.95	19.03	21.19	22.01	19.20	20.11	21.33	20.64	19.72	22.10
	25.0	17.12	17.14	17.41	20.92	22.00	18.97	20.13	20.91	20.13	19.71	22.07
	30.0	17.06	17.08	17.05	20.80	21.34	18.82	19.92	20.43	20.11	19.48	22.04
	35.0	17.02	17.06	16.98	20.21	20.93	18.67	19.13	19.67	19.35	19.46	22.03
	40.0	16.92	17.03	16.88	18.96	20.20	18.31	18.98	19.13	18.90	19.25	21.79
	45.0	16.89	16.90	16.73	18.96	19.44	17.91	18.75	18.92	18.69	19.09	20.88
	50.0	16.75	16.83	16.62	18.81	18.52	17.54	18.65	18.60	18.39	18.87	20.55
	55.0	16.66	16.78	16.57	17.50	18.23	17.24	18.63	18.34	18.11	18.47	19.17
	60.0	16.55	16.75	16.54	16.54	17.37	16.95	18.43	18.08	17.78	18.30	18.65
	65.0	16.52	16.70	16.50	16.40	17.01	16.55	17.86	17.94	17.53	18.03	18.52
	70.0	16.50	16.63	16.48	16.33	16.74	16.45	16.89	17.93	17.22	17.93	18.35
	75.0	16.51	16.60	16.47	16.27	16.53	16.33	16.57	17.20	16.63	17.89	18.19
	80.0	16.52	16.53	16.49	16.18	16.36	16.32	16.48	16.56	16.36	17.75	17.97
	85.0	16.53	16.49	16.52	16.11	16.28	16.28	16.21	16.56	16.26	17.50	17.42
	90.0	16.54	16.50	16.54	16.05	16.18	16.28	16.08	16.56	16.24	17.34	17.36
	95.0	16.55	16.52	16.56	16.00	16.12	16.13	16.06	16.56	16.18	16.98	17.26
	100.0	16.56	16.55	16.56	15.95	16.03	16.06	16.01	16.57	16.16	16.57	17.15
105.0	16.56	16.57	16.60	15.94	16.00	15.96	15.81	16.56		16.51	17.04	
110.0	16.57	16.57	16.60	15.91	15.97	15.90	15.75			15.96	16.97	
115.0	16.58	16.58	16.60	15.87	15.96	15.85				15.39	16.95	
120.0	16.58	16.59	16.60	15.85	15.93	15.82				15.14	16.94	
125.0	16.59	16.59	16.59	15.84	15.89	15.78				15.12	16.83	
130.0	16.59	16.59	16.58	15.77	15.82	15.70				14.92	16.79	
135.0	16.59		16.56	15.72	15.79	15.68					16.42	
140.0	16.59		16.56	15.71	15.74	15.66					16.23	
145.0	16.59		16.56	15.66	15.68	15.62					16.07	
150.0	16.59				15.60	15.61					16.02	
155.0	16.59				15.57	15.54					15.89	
160.0	16.59				15.54	15.51					15.87	
165.0	16.59				15.52	15.49					15.80	
170.0	16.59				15.51	15.48					15.73	
175.0	16.58				15.50	15.48					15.54	
180.0	16.58				15.45	15.44					15.42	
185.0	16.58				15.44	15.44					15.35	
190.0	16.57				15.44	15.44					15.20	
195.0	16.58				15.43	15.28					14.99	
200.0	16.58				15.43	15.12					14.90	
205.0					15.34	15.04					14.74	
210.0					15.32						14.41	
塩分(P.S.U)	2.0	34.20	33.43	33.96	34.50	34.50	34.49	34.44	34.53	34.53	34.52	34.52
	5.0	34.30	33.51	34.15	34.50	34.51	34.51	34.47	34.52	34.54	34.52	34.53
	10.0	34.18	33.64	34.27	34.46	34.52	34.51	34.45	34.54	34.52	34.53	34.52
	15.0	34.22	33.90	34.25	34.48	34.52	34.42	34.41	34.50	34.52	34.53	34.53
	20.0	34.14	33.86	34.19	34.46	34.52	34.33	34.45	34.53	34.51	34.48	34.53
	25.0	34.04	34.05	34.08	34.45	34.52	34.38	34.46	34.52	34.51	34.48	34.53
	30.0	34.09	34.08	34.13	34.44	34.50	34.37	34.42	34.49	34.51	34.44	34.54
	35.0	34.15	34.15	34.16	34.42	34.49	34.34	34.32	34.42	34.54	34.44	34.53
	40.0	34.16	34.15	34.15	34.42	34.42	34.29	34.30	34.37	34.50	34.40	34.51
	45.0	34.16	34.15	34.15	34.41	34.42	34.30	34.27	34.36	34.46	34.41	34.58
	50.0	34.16	34.17	34.15	34.41	34.36	34.33	34.29	34.34	34.40	34.37	34.58
	55.0	34.15	34.16	34.14	34.31	34.35	34.39	34.31	34.33	34.37	34.42	34.60
	60.0	34.16	34.17	34.15	34.51	34.38	34.46	34.33	34.29	34.33	34.44	34.64
	65.0	34.16	34.15	34.15	34.52	34.44	34.51	34.31	34.32	34.35	34.46	34.65
	70.0	34.17	34.15	34.15	34.52	34.46	34.53	34.48	34.33	34.39	34.48	34.64
	75.0	34.18	34.17	34.16	34.53	34.52	34.53	34.53	34.39	34.48	34.48	34.62
	80.0	34.19	34.17	34.17	34.54	34.53	34.53	34.52	34.52	34.53	34.49	34.61
	85.0	34.20	34.16	34.19	34.54	34.53	34.54	34.54	34.52	34.54	34.50	34.64
	90.0	34.22	34.18	34.20	34.54	34.54	34.54	34.55	34.52	34.54	34.51	34.64
	95.0	34.23	34.18	34.21	34.55	34.54	34.52	34.55	34.52	34.54	34.53	34.65
	100.0	34.24	34.20	34.21	34.55	34.55	34.54	34.54	34.52	34.54	34.55	34.64
105.0	34.24	34.22	34.23	34.55	34.55	34.55	34.56	34.52		34.56	34.63	
110.0	34.25	34.23	34.23	34.55	34.55	34.55	34.55			34.55	34.63	
115.0	34.25	34.24	34.24	34.55	34.56	34.55				34.57	34.63	
120.0	34.25	34.25	34.24	34.55	34.55	34.55				34.57	34.62	
125.0	34.26	34.26	34.25	34.55	34.56	34.56				34.58	34.65	
130.0	34.26	34.26	34.26	34.56	34.56	34.56				34.58	34.64	
135.0	34.26		34.26	34.56	34.55	34.56					34.65	
140.0	34.26		34.26	34.56	34.56	34.56					34.64	
145.0	34.26		34.26	34.56	34.56	34.56					34.64	
150.0	34.26				34.56	34.56					34.64	
155.0	34.26				34.56	34.56					34.63	
160.0	34.26				34.56	34.56					34.63	
165.0	34.26				34.56	34.56					34.62	
170.0	34.26				34.56	34.56					34.62	
175.0	34.26				34.56	34.56					34.61	
180.0	34.26				34.56	34.56					34.60	
185.0	34.26				34.56	34.56					34.60	
190.0	34.26				34.56	34.56					34.58	
195.0	34.26				34.56	34.56					34.59	
200.0	34.26				34.56	34.56					34.58	
205.0					34.56	34.56					34.57	
210.0					34.56						34.54	

別表2 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付				2021/5/10	2021/5/10	2021/5/10					
時刻				13:15	12:09	11:27					
北緯	31°39'50"	31°42'00"	31°40'00"	31°31'15"	31°26'45"	31°22'15"	31°17'30"	31°12'30"	31°08'30"	31°05'30"	31°02'30"
東経	130°46'00"	130°39'00"	130°40'00"	130°35'45"	130°38'27"	130°41'09"	130°42'30"	130°42'30"	130°40'11"	130°35'32"	130°30'53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)				10.5	12.5	14.5					
気温(℃)				24	22	20					
天気				快晴	快晴	快晴					
風向				S	NW	NW					
風速(m/s)				2.5	0.5	1.0					
気圧(hPa)				1013.0	1013.5	1013.5					
水温(℃)	2.0			21.43	21.75	21.64					
	5.0			21.24	21.39	21.42					
	10.0			21.08	21.01	20.87					
	15.0			20.39	20.92	20.76					
	20.0			20.28	20.88	20.67					
	25.0			20.55	20.82	20.46					
	30.0			20.47	20.77	19.97					
	35.0			20.00	20.67	19.56					
	40.0			19.91	20.60	19.34					
	45.0			19.69	20.19	18.96					
	50.0			19.24	19.65	18.68					
	55.0			19.25	19.17	18.21					
	60.0			18.77	18.49	17.78					
	65.0			18.27	18.16	17.64					
	70.0			17.42	17.88	17.38					
	75.0			16.83	17.40	16.98					
	80.0			16.35	16.96	16.66					
	85.0			16.20	16.71	16.36					
	90.0			16.09	16.43	16.24					
	95.0			15.97	16.29	16.18					
	100.0			15.94	16.13	16.11					
105.0			15.85	16.06	16.05						
110.0			15.80	15.97	16.00						
115.0			15.78	15.93	15.91						
120.0			15.75	15.86	15.87						
125.0			15.72	15.77	15.86						
130.0			15.68	15.76	15.84						
135.0			15.66	15.74	15.77						
140.0				15.68	15.72						
145.0				15.61	15.68						
150.0				15.60	15.62						
155.0				15.56	15.56						
160.0				15.51	15.53						
165.0				15.47	15.50						
170.0				15.46	15.47						
175.0				15.45	15.44						
180.0				15.44	15.38						
185.0				15.40	15.37						
190.0				15.39	15.35						
195.0				15.38	15.29						
200.0				15.36	15.27						
205.0				15.35							
210.0				15.31							
塩分(P.S.U.)	2.0			34.37	34.38	34.36					
	5.0			34.36	34.39	34.29					
	10.0			34.34	34.38	34.37					
	15.0			34.26	34.39	34.38					
	20.0			34.27	34.42	34.39					
	25.0			34.40	34.42	34.39					
	30.0			34.37	34.41	34.38					
	35.0			34.29	34.41	34.38					
	40.0			34.32	34.40	34.38					
	45.0			34.32	34.35	34.36					
	50.0			34.31	34.37	34.35					
	55.0			34.31	34.36	34.36					
	60.0			34.31	34.35	34.39					
	65.0			34.34	34.36	34.38					
	70.0			34.41	34.41	34.42					
	75.0			34.45	34.40	34.45					
	80.0			34.52	34.46	34.47					
	85.0			34.53	34.49	34.52					
	90.0			34.54	34.52	34.53					
	95.0			34.55	34.52	34.54					
	100.0			34.54	34.54	34.54					
105.0			34.55	34.53	34.54						
110.0			34.55	34.55	34.55						
115.0			34.55	34.55	34.55						
120.0			34.55	34.55	34.56						
125.0			34.55	34.56	34.55						
130.0			34.56	34.56	34.56						
135.0			34.56	34.55	34.55						
140.0				34.56	34.56						
145.0				34.56	34.55						
150.0				34.56	34.56						
155.0				34.56	34.56						
160.0				34.56	34.56						
165.0				34.56	34.56						
170.0				34.56	34.56						
175.0				34.56	34.56						
180.0				34.56	34.56						
185.0				34.56	34.56						
190.0				34.56	34.56						
195.0				34.56	34.56						
200.0				34.56	34.56						
205.0				34.56							
210.0				34.56							

別表3 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14	
日付	2021/6/8	2021/6/8	2021/6/8	2021/6/8	2021/6/7	2021/6/7	2021/6/7	2021/6/7	2021/6/7	2021/6/7	2021/6/7	
時刻	11:55	10:45	11:20	9:05	15:20	14:45	14:20	13:40	13:11	12:23	11:39	
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"	
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"	
水深(m)	200	130	150	150	228	204	118	109	103	123	250	
透明度(m)	4.0	3.5	2.5	7.0	4.0	4.0	5.0	7.0	9.0	22.0	22.0	
気温(℃)	24	22	22	21	25	26	25	24	24	24	24	
天気	晴	曇	晴	曇	晴	晴	晴	曇	曇	曇	曇	
風向	S	SSW	S	E	calm	calm	N	NE	ESE	NE	SSW	
風速(m/s)	0.5	0.2	1.0	1.0			1.0	1.5	1.6	1.8	2.0	
気圧(hPa)	1017.3	1017.2	1017.4	1017.0	1016.0	1015.0	1015.2	1015.5	1015.5	1015.5	1015.5	
水温(℃)	2.0	22.55	22.36	20.08	22.23	22.43	22.48	22.48	22.00	22.17	23.96	24.83
	5.0	21.89	21.82	19.91	22.34	21.81	22.16	22.05	21.75	21.68	23.88	24.76
	10.0	20.90	20.62	19.56	22.07	21.73	21.90	21.59	21.55	21.60	23.71	24.59
	15.0	19.90	20.09	19.26	21.31	21.88	21.90	21.36	21.06	21.61	22.62	24.07
	20.0	19.41	19.90	18.85	21.15	21.27	21.06	20.93	20.69	21.46	22.32	23.50
	25.0	19.29	19.45	18.76	20.72	20.33	19.61	20.58	20.44	21.01	22.05	22.19
	30.0	19.04	19.16	18.44	20.49	19.45	19.14	20.26	19.88	20.30	21.25	21.74
	35.0	18.70	18.87	18.26	19.96	18.94	19.14	19.87	19.62	19.59	20.77	21.04
	40.0	18.35	18.66	17.82	19.66	18.50	18.77	19.46	19.23	19.56	20.40	20.90
	45.0	18.08	18.45	17.61	19.35	18.30	18.39	19.13	19.17	19.41	19.77	20.62
	50.0	17.98	18.18	17.55	19.01	18.01	17.98	18.35	18.72	19.14	18.74	19.97
	55.0	17.64	17.93	17.22	18.48	17.68	17.61	17.78	18.30	18.92	18.44	19.36
	60.0	17.44	17.58	16.96	18.10	17.25	17.45	17.68	17.67	18.51	18.12	19.11
	65.0	17.32	17.40	16.87	17.86	16.99	17.16	17.26	17.08	18.30	17.92	19.06
	70.0	17.08	17.19	16.80	17.73	16.94	16.99	17.09	16.84	17.77	17.64	19.09
	75.0	16.95	17.06	16.75	17.39	16.61	16.88	16.72	16.64	16.74	17.51	18.72
	80.0	16.86	16.93	16.71	17.13	16.58	16.61	16.39	16.29	16.20	17.28	18.45
	85.0	16.76	16.76	16.69	16.88	16.39	16.37	16.12	16.24	15.85	17.19	18.10
	90.0	16.71	16.89	16.63	16.56	16.32	16.21	16.00	16.13	15.78	16.85	17.75
	95.0	16.65	16.63	16.59	16.37	16.24	16.09	15.93	16.05	15.73	16.60	17.35
	100.0	16.61	16.59	16.58	16.24	16.16	15.98	15.87	16.05	15.71	16.51	17.16
105.0	16.59	16.56	16.59	16.13	16.07	15.93	15.86	16.05		16.47	16.83	
110.0	16.58	16.57	16.58	16.04	16.02	15.86	15.78			16.26	16.59	
115.0	16.58	16.57	16.58	16.01	15.99	15.82				16.05	16.33	
120.0	16.57	16.57	16.58	15.96	15.95	15.78				15.42	16.28	
125.0	16.56	16.57	16.58	15.95	15.87	15.73					16.23	
130.0	16.56	16.57	16.59	15.92	15.79	15.68					16.17	
135.0	16.57		16.59	15.90	15.72	15.67					15.75	
140.0	16.57			15.79	15.69	15.61					15.65	
145.0	16.57				15.68	15.58					15.24	
150.0	16.58				15.61	15.56					15.15	
155.0	16.59				15.58	15.55					15.13	
160.0	16.60				15.57	15.54					15.01	
165.0	16.59				15.57	15.52					14.78	
170.0	16.59				15.53	15.50					14.65	
175.0	16.59				15.49	15.49					14.46	
180.0	16.59				15.48	15.49					14.39	
185.0	16.59				15.47	15.49					14.35	
190.0	16.59				15.46	15.47					14.31	
195.0	16.59				15.43	15.47					14.17	
200.0	16.60				15.41	15.40					14.13	
205.0					15.40						14.06	
210.0					15.40						13.88	
塩分(P S U)	2.0	29.76	30.20	33.55	30.47	31.93	32.06	31.39	32.99	32.94	33.98	34.08
	5.0	31.44	31.50	33.63	32.37	32.45	32.44	32.27	33.54	33.48	33.96	34.10
	10.0	32.94	33.19	33.74	33.02	32.61	32.83	33.14	33.75	33.58	33.96	34.02
	15.0	33.47	33.48	33.93	33.55	33.45	33.03	33.60	33.97	33.67	33.95	33.99
	20.0	33.75	33.76	34.00	33.95	33.92	33.75	33.68	34.10	33.80	33.97	34.07
	25.0	33.91	33.95	34.04	34.09	34.12	34.21	34.11	34.16	34.01	33.97	34.11
	30.0	33.96	34.02	34.06	34.15	34.29	34.25	34.15	34.29	34.18	33.90	34.18
	35.0	33.98	34.03	34.07	34.17	34.29	34.33	34.24	34.35	34.32	34.08	34.20
	40.0	33.98	34.05	34.07	34.24	34.39	34.36	34.34	34.39	34.32	34.12	34.22
	45.0	34.06	34.07	34.13	34.30	34.40	34.40	34.34	34.40	34.34	34.31	34.27
	50.0	34.15	34.08	34.17	34.34	34.43	34.45	34.40	34.42	34.38	34.50	34.29
	55.0	34.12	34.09	34.15	34.32	34.50	34.49	34.44	34.47	34.41	34.51	34.40
	60.0	34.11	34.11	34.16	34.42	34.53	34.51	34.48	34.50	34.45	34.51	34.47
	65.0	34.12	34.12	34.17	34.44	34.55	34.55	34.50	34.51	34.47	34.53	34.49
	70.0	34.13	34.13	34.17	34.45	34.55	34.55	34.51	34.52	34.50	34.58	34.56
	75.0	34.15	34.14	34.17	34.50	34.54	34.54	34.54	34.54	34.54	34.53	34.60
	80.0	34.15	34.15	34.18	34.54	34.56	34.52	34.54	34.55	34.55	34.53	34.60
	85.0	34.16	34.16	34.19	34.54	34.55	34.53	34.55	34.55	34.55	34.53	34.58
	90.0	34.16	34.17	34.19	34.55	34.56	34.53	34.55	34.54	34.55	34.53	34.60
	95.0	34.17	34.17	34.20	34.53	34.57	34.54	34.55	34.55	34.54	34.54	34.62
	100.0	34.19	34.17	34.20	34.55	34.56	34.54	34.55	34.55	34.55	34.54	34.62
105.0	34.19	34.18	34.21	34.55	34.56	34.54	34.55	34.55		34.54	34.61	
110.0	34.21	34.19	34.22	34.55	34.56	34.55	34.55			34.54	34.62	
115.0	34.21	34.20	34.22	34.53	34.56	34.55				34.55	34.61	
120.0	34.21	34.22	34.23	34.55	34.56	34.55				34.54	34.61	
125.0	34.22	34.22	34.23	34.55	34.56	34.55					34.61	
130.0	34.22	34.22	34.24	34.55	34.56	34.55					34.62	
135.0	34.23		34.24	34.55	34.56	34.55					34.59	
140.0	34.23			34.56	34.56	34.55					34.59	
145.0	34.23				34.56	34.55					34.57	
150.0	34.24				34.56	34.55					34.58	
155.0	34.24				34.56	34.55					34.57	
160.0	34.25				34.56	34.55					34.57	
165.0	34.25				34.56	34.55					34.56	
170.0	34.25				34.55	34.56					34.55	
175.0	34.25				34.55	34.55					34.54	
180.0	34.25				34.56	34.55					34.54	
185.0	34.25				34.56	34.55					34.54	
190.0	34.25				34.55	34.55					34.54	
195.0	34.25				34.56	34.55					34.53	
200.0	34.25				34.56	34.55					34.53	
205.0					34.56						34.52	
210.0					34.56						34.52	



別表4 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2021/7/5	2021/7/5	2021/7/5	2021/7/5	2021/7/6	2021/7/6	2021/7/6	2021/7/6	2021/7/6	2021/7/6	
時刻	10:17	9:25	9:50	14:10	14:45	14:11	13:30	12:43	12:10	11:35	
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)	4.5	4.0	4.0	6.0	7.0	7.0	7.0	12.0	13.0	24.0	
気温(℃)	28	29	28	28	28	28	27	28	28	28	
天気	晴	晴	晴	晴	晴	晴	晴	晴	晴	晴	
風向	SSW	SSW	S	S	SSW	SW	S	S	S	S	
風速(m/s)	5.2	4.1	2.5	3.0	4.2	4.3	4.0	4.2	3.8	3.4	
気圧(hPa)	1015.0	1014.5	1014.7	1013.5	1012.6	1013.0	1013.2	1013.5	1013.5	1013.9	
(C) 水温	2.0	26.26	25.97	26.25	27.21	27.57	27.89	27.01	27.14	27.26	27.55
	5.0	24.95	25.28	24.83	26.70	26.91	27.45	26.80	26.98	26.88	27.29
	10.0	23.75	23.58	23.11	25.92	25.01	25.70	25.25	25.90	26.66	27.20
	15.0	23.10	22.52	22.29	24.55	24.05	24.64	24.43	26.11	25.70	26.67
	20.0	22.05	22.14	22.00	23.23	23.95	24.21	24.19	24.68	24.46	25.44
	25.0	21.61	21.49	21.48	22.11	23.52	23.58	23.21	22.82	23.32	24.51
	30.0	21.24	20.68	20.76	22.60	22.62	21.94	22.74	22.23	22.41	23.71
	35.0	20.21	20.06	20.01	21.13	21.32	21.24	21.90	21.52	21.46	22.92
	40.0	19.52	19.55	19.88	20.73	20.97	20.47	20.96	21.07	21.22	22.83
	45.0	19.24	19.14	19.17	20.08	20.54	20.16	20.46	20.10	21.15	22.35
	50.0	18.89	18.75	18.75	19.30	20.33	19.84	19.98	19.83	20.75	21.54
	55.0	18.18	18.49	18.50	19.37	19.56	19.67	19.64	19.64	20.15	21.11
	60.0	17.78	18.16	18.02	18.92	19.29	19.42	19.47	19.45	19.67	20.38
	65.0	17.47	17.86	17.77	18.42	18.90	19.32	18.95	18.75	19.04	19.59
	70.0	17.24	17.64	17.64	18.37	18.20	18.66	18.50	18.32	18.31	18.83
	75.0	17.13	17.43	17.55	18.08	17.77	17.63	18.02	18.03	17.99	18.31
	80.0	16.99	17.11	17.27	17.50	17.31	17.17	17.57	17.58	17.81	17.99
	85.0	16.95	17.05	17.11	17.10	16.87	16.79	16.97	17.29	17.64	17.62
	90.0	16.93	16.93	17.02	16.65	16.50	16.52	16.85	16.65	17.43	17.39
	95.0	16.90	16.89	16.90	16.34	16.40	16.26	16.71	16.27	17.40	16.92
	100.0	16.85	16.83	16.81	16.20	16.22	16.19	16.49	16.24	17.37	16.78
105.0	16.80	16.78	16.76	16.16	16.06	16.11	16.18	16.16		16.66	
110.0	16.78	16.76	16.69	16.10	15.92	16.03	15.93			16.43	
115.0	16.77	16.73	16.69	15.98	15.85	15.97				16.27	
120.0	16.73	16.67	16.67	15.87	15.79	15.90				15.91	
125.0	16.72	16.65	16.65	15.82	15.73	15.82					
130.0	16.66	16.62	16.64	15.79	15.70	15.77					
135.0	16.65		16.62	15.75	15.67	15.75					
140.0	16.63		16.59	15.74	15.65	15.71					
145.0	16.64		16.59	15.71	15.65	15.69					
150.0	16.64				15.62	15.67					
155.0	16.64				15.60	15.65					
160.0	16.64				15.59	15.63					
165.0	16.64				15.57	15.60					
170.0	16.65				15.56	15.57					
175.0	16.64				15.55	15.56					
180.0	16.64				15.54	15.54					
185.0	16.63				15.52	15.52					
190.0	16.63				15.51	15.51					
195.0	16.61				15.49	15.48					
200.0	16.61				15.48	15.47					
205.0					15.46						
210.0					15.45						
(P S U) 塩分	2.0	30.73	30.71	29.99	31.53	31.29	31.06	31.58	32.48	33.12	33.91
	5.0	31.43	31.13	31.40	31.58	31.44	31.22	32.11	32.71	33.16	33.91
	10.0	31.90	32.01	32.22	31.91	32.36	32.60	32.30	33.27	33.40	33.87
	15.0	32.17	32.49	32.58	32.69	33.11	33.04	33.11	33.56	33.75	33.93
	20.0	32.72	32.67	32.71	33.22	33.37	33.35	33.21	33.29	33.73	33.90
	25.0	32.94	32.93	32.94	33.30	33.49	33.40	33.43	33.53	33.65	33.83
	30.0	33.09	33.25	33.19	33.59	33.51	33.57	33.53	33.68	33.81	34.06
	35.0	33.43	33.51	33.53	33.42	33.58	33.81	33.71	33.62	33.82	34.03
	40.0	33.70	33.69	33.54	33.67	33.74	33.94	33.74	33.78	33.85	34.07
	45.0	33.79	33.86	33.87	33.72	33.88	34.01	33.86	33.94	34.01	34.21
	50.0	33.93	33.99	33.99	33.93	33.99	34.07	33.94	34.04	34.05	34.41
	55.0	34.01	34.03	34.03	34.08	34.18	34.07	34.00	34.27	34.16	34.48
	60.0	34.07	34.05	34.07	34.30	34.22	34.12	34.13	34.33	34.33	34.53
	65.0	34.10	34.08	34.09	34.30	34.32	34.23	34.21	34.47	34.51	34.53
	70.0	34.13	34.10	34.10	34.36	34.39	34.38	34.35	34.62	34.63	34.61
	75.0	34.14	34.11	34.11	34.40	34.45	34.44	34.40	34.61	34.64	34.63
	80.0	34.15	34.14	34.13	34.46	34.50	34.48	34.47	34.64	34.65	34.63
	85.0	34.16	34.14	34.14	34.47	34.53	34.52	34.52	34.60	34.65	34.61
	90.0	34.16	34.16	34.14	34.53	34.54	34.52	34.52	34.48	34.62	34.65
	95.0	34.16	34.16	34.16	34.53	34.54	34.55	34.51	34.54	34.63	34.64
	100.0	34.17	34.16	34.17	34.55	34.54	34.55	34.52	34.54	34.63	34.63
105.0	34.17	34.18	34.18	34.54	34.54	34.55	34.54	34.54		34.63	
110.0	34.18	34.18	34.18	34.55	34.55	34.55	34.55			34.62	
115.0	34.18	34.18	34.19	34.54	34.55	34.55				34.61	
120.0	34.19	34.18	34.19	34.55	34.55	34.55				34.60	
125.0	34.19	34.19	34.20	34.55	34.55	34.55					
130.0	34.20	34.20	34.20	34.55	34.55	34.55					
135.0	34.20		34.21	34.55	34.55	34.55					
140.0	34.22		34.22	34.55	34.55	34.55					
145.0	34.22		34.23	34.55	34.55	34.55					
150.0	34.23				34.55	34.55					
155.0	34.23				34.55	34.55					
160.0	34.23				34.55	34.55					
165.0	34.23				34.55	34.55					
170.0	34.24				34.55	34.55					
175.0	34.24				34.55	34.55					
180.0	34.24				34.55	34.55					
185.0	34.24				34.55	34.55					
190.0	34.24				34.55	34.55					
195.0	34.24				34.55	34.55					
200.0	34.24				34.55	34.55					
205.0					34.55						
210.0					34.55						

別表5 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2021/8/2	2021/8/2	2021/8/2	2021/8/2	2021/8/3	2021/8/3	2021/8/3	2021/8/3	2021/8/3	2021/8/3	2021/8/3
時刻	12:02	13:06	12:43	14:17	9:27	10:07	10:45	11:25	11:58	12:39	
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)	8.5	4.0	5.0	6.5	10.0	14.5	13.5	13.5	17.5	22.0	
気温(℃)	30	31	31	29	29	28	29	29	29	28	
天気	晴	晴	晴	晴	快晴	快晴	快晴	晴	晴	晴	
風向	SE	SE	W	S	E	E	ENE	E	SE	ESE	
風速(m/s)	3.5	2.0	1.0	5.0	3.0	3.6	5.9	3.5	3.2	3.1	
気圧(hPa)	1004.2	1004.0	1004.0	1004.2	1009.1	1008.9	1008.7	1008.7	1008.6	1008.9	
水温(℃)	2.0	29.21	30.24	29.37	27.50	28.57	28.47	28.63	28.86	28.63	28.54
	5.0	27.79	27.66	27.09	27.13	28.62	28.39	28.43	28.59	28.54	28.50
	10.0	25.99	26.48	25.99	26.59	28.65	26.79	27.08	28.27	27.77	28.22
	15.0	25.24	25.38	25.23	26.22	27.43	26.82	26.45	27.19	27.59	27.98
	20.0	24.55	24.20	24.22	25.71	27.16	26.75	26.31	27.11	27.67	27.34
	25.0	23.58	23.35	23.21	25.08	25.63	26.11	25.80	26.52	27.41	26.56
	30.0	22.64	22.53	23.00	24.43	25.02	25.70	25.65	26.16	27.27	26.31
	35.0	21.85	21.99	21.89	23.47	24.31	24.48	24.38	25.90	26.06	25.92
	40.0	21.32	21.46	21.42	22.92	24.03	23.44	24.15	25.26	25.30	24.77
	45.0	20.47	20.81	20.94	21.53	22.99	22.95	23.45	24.21	24.50	24.57
	50.0	20.10	20.43	20.53	20.66	21.50	21.34	22.32	22.88	23.25	24.57
	55.0	19.59	20.00	19.84	20.23	21.12	20.67	21.02	21.09	22.29	22.41
	60.0	19.21	19.37	19.17	19.52	20.27	20.47	20.59	20.16	21.19	21.22
	65.0	18.96	18.84	18.63	19.17	19.59	20.20	20.01	19.58	20.42	20.41
	70.0	18.30	18.39	18.35	18.80	19.04	19.42	19.21	18.94	19.79	19.65
	75.0	17.84	17.99	17.95	18.08	18.73	18.61	19.02	18.75	18.76	19.20
	80.0	17.38	17.64	17.69	17.64	18.28	18.11	18.51	18.35	18.17	18.99
	85.0	17.18	17.49	17.37	17.57	17.52	17.67	18.06	17.71	17.65	18.95
	90.0	17.08	17.26	17.23	17.53	16.72	16.90	17.32	17.41	17.22	18.60
	95.0	16.99	17.15	17.09	16.98	16.52	16.50	16.99	17.10	17.13	18.58
	100.0	16.97	17.07	17.03	16.43	16.34	16.29	16.62	16.85	17.08	18.19
105.0	16.94	17.01	16.96	16.20	16.24	16.16	16.35	16.68		17.99	
110.0	16.92	16.95	16.93	16.09	16.13	16.06	16.16			17.40	
115.0	16.89	16.91	16.90	16.01	16.01	16.00				17.20	
120.0	16.88	16.87	16.89	15.96	15.98	15.92				16.61	
125.0	16.86	16.84	16.84	15.90	15.93	15.86					
130.0	16.80	16.80	16.81	15.87	15.85	15.82					
135.0	16.77		16.75	15.82	15.81	15.80					
140.0	16.73		16.73	15.78	15.80	15.76					
145.0	16.72		16.67		15.77	15.71					
150.0	16.69				15.74	15.70					
155.0	16.69				15.72	15.67					
160.0	16.69				15.69	15.66					
165.0	16.69				15.67	15.64					
170.0	16.69				15.65	15.62					
175.0	16.69				15.64	15.62					
180.0	16.69				15.64	15.61					
185.0	16.68				15.64	15.59					
190.0	16.67				15.62	15.57					
195.0	16.64				15.60	15.56					
200.0	16.64				15.60	15.53					
205.0					15.60						
210.0					15.58						
塩分(P S U)	2.0	30.97	29.83	30.72	31.55	32.20	32.70	32.57	32.65	32.54	33.48
	5.0	31.32	31.30	31.46	31.90	32.29	32.71	32.63	32.57	32.55	33.46
	10.0	31.65	31.54	31.73	32.49	32.32	32.82	33.12	33.13	33.12	33.47
	15.0	32.08	31.82	31.90	32.72	32.70	33.10	33.33	33.12	33.40	33.49
	20.0	32.21	32.11	32.24	33.01	32.92	33.28	33.46	33.50	33.54	33.54
	25.0	32.49	32.42	32.48	33.24	33.08	33.39	33.51	33.63	33.61	33.45
	30.0	32.74	32.71	32.56	33.32	33.31	33.50	33.54	33.67	33.68	33.46
	35.0	32.93	32.86	32.93	33.37	33.23	33.29	33.33	33.69	33.69	33.80
	40.0	33.08	33.06	33.08	33.54	33.54	33.37	33.38	33.69	33.68	33.88
	45.0	33.36	33.29	33.24	33.52	33.45	33.57	33.51	33.77	33.70	33.92
	50.0	33.48	33.40	33.37	33.67	33.60	33.56	33.55	33.88	33.82	33.99
	55.0	33.67	33.54	33.57	33.83	33.72	33.65	33.75	34.06	33.93	34.08
	60.0	33.77	33.73	33.78	34.08	33.92	33.86	33.85	34.22	34.28	34.33
	65.0	33.81	33.89	33.96	34.20	34.07	33.96	34.10	34.38	34.34	34.42
	70.0	33.95	34.00	34.02	34.32	34.23	34.18	34.19	34.50	34.34	34.48
	75.0	34.04	34.03	34.05	34.43	34.28	34.31	34.31	34.51	34.48	34.51
	80.0	34.11	34.07	34.08	34.48	34.39	34.40	34.35	34.45	34.47	34.56
	85.0	34.13	34.10	34.11	34.49	34.41	34.45	34.37	34.50	34.59	34.57
	90.0	34.15	34.13	34.13	34.51	34.49	34.52	34.52	34.53	34.60	34.61
	95.0	34.16	34.14	34.14	34.52	34.54	34.55	34.53	34.50	34.58	34.62
	100.0	34.16	34.15	34.15	34.54	34.55	34.55	34.54	34.51	34.58	34.63
105.0	34.17	34.15	34.16	34.54	34.55	34.55	34.55	34.53		34.60	
110.0	34.17	34.16	34.16	34.55	34.55	34.55	34.55			34.61	
115.0	34.17	34.16	34.17	34.55	34.55	34.55				34.61	
120.0	34.17	34.17	34.17	34.55	34.55	34.55				34.59	
125.0	34.18	34.17	34.17	34.55	34.55	34.55					
130.0	34.19	34.18	34.18	34.55	34.55	34.55					
135.0	34.19		34.18	34.55	34.55	34.55					
140.0	34.20		34.19	34.55	34.55	34.55					
145.0	34.21		34.20		34.56	34.55					
150.0	34.22				34.55	34.55					
155.0	34.22				34.55	34.55					
160.0	34.22				34.55	34.55					
165.0	34.22				34.55	34.55					
170.0	34.23				34.56	34.55					
175.0	34.23				34.56	34.55					
180.0	34.23				34.56	34.55					
185.0	34.23				34.56	34.55					
190.0	34.23				34.56	34.55					
195.0	34.23				34.56	34.55					
200.0	34.23				34.56	34.55					
205.0					34.56						
210.0					34.56						

別表6 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14	
日付	2021/9/7	2021/9/7	2021/9/7	2021/9/8	2021/9/8	2021/9/8	2021/9/8	2021/9/8	2021/9/8	2021/9/8	2021/9/8	
時刻	晴	晴	晴	曇	曇	曇	晴	晴	晴	晴	晴	
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"	
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"	
水深(m)	200	130	150	150	228	204	118	109	103	123	250	
透明度(m)	5.5	4.0	4.0	10.0	11.0	14.0	11.5	13.0	14.0	17.0	28.0	
気温(℃)	28	25	27	23	25	25	26	26	27	27	28	
天気	晴	晴	晴	曇	曇	曇	晴	晴	晴	晴	晴	
風向	SW	NE	calm	calm	calm	ENE	E	ENE	W	W	NW	
風速(m/s)	0.3	0.8				1.6	0.6	5.6	5.3	3.7	4.0	
気圧(hPa)	1013.5	1013.8	1013.8	1011.7	1011.2	1010.5	1010.7	1010.6	1010.5	1010.2	1009.9	
(C) 水温	2.0	28.74	28.88	28.99	28.73	29.17	28.90	28.65	28.47	28.02	28.04	28.84
	5.0	27.75	28.18	28.09	28.95	28.97	28.90	28.64	28.43	28.02	27.97	28.89
	10.0	26.71	26.76	27.27	27.39	27.57	28.65	27.80	27.81	28.08	27.72	28.89
	15.0	25.96	25.80	25.85	27.23	27.14	27.93	27.22	27.70	27.80	27.63	28.75
	20.0	25.40	25.12	25.05	26.79	27.14	27.60	26.74	27.40	27.62	27.85	28.38
	25.0	24.79	24.34	24.31	26.68	27.00	26.47	26.51	27.23	26.43	27.11	28.25
	30.0	23.92	23.89	23.94	26.04	26.01	25.71	25.55	25.89	25.45	26.63	27.99
	35.0	23.22	23.47	23.59	25.11	24.79	24.91	24.72	25.08	25.26	24.79	27.11
	40.0	22.78	23.37	22.42	23.71	23.65	23.98	24.15	24.69	25.07	24.60	26.54
	45.0	21.70	22.90	22.26	23.44	22.43	23.12	23.15	24.12	24.38	23.37	25.79
	50.0	21.15	21.50	20.88	22.36	21.52	22.14	22.11	21.99	23.49	22.18	25.12
	55.0	20.22	20.83	20.06	20.97	20.16	20.53	21.43	20.22	21.76	21.86	24.25
	60.0	19.90	20.01	19.33	20.01	19.37	19.75	20.50	20.06	20.71	21.44	23.53
	65.0	19.38	19.26	18.98	18.98	18.41	19.10	19.83	19.16	20.05	21.02	23.04
	70.0	18.05	18.42	18.40	18.22	18.07	18.38	19.02	18.93	19.29	20.43	22.24
	75.0	17.68	18.00	18.02	17.81	17.65	18.11	18.59	18.51	17.25	19.13	21.08
	80.0	17.54	17.59	17.70	17.42	17.33	17.83	18.06	17.86	16.73	18.28	20.69
	85.0	17.41	17.30	17.39	16.76	17.08	17.56	17.47	17.61	16.49	18.13	20.21
	90.0	17.23	17.25	17.27	16.61	16.90	17.17	17.03	17.21	16.32	18.00	19.74
	95.0	17.20	17.19	17.17	16.55	16.72	16.84	16.54	16.88	16.07	17.78	19.27
	100.0	17.13	17.13	17.12	16.42	16.43	16.45	16.39	16.78	16.00	17.64	18.92
105.0	17.11	17.10	17.06	16.36	16.32	16.31	16.13	16.71		17.52	18.57	
110.0	17.07	17.07	17.01	16.22	16.16	16.14	16.14			17.43	18.25	
115.0	17.03	17.03	16.98	16.14	16.08	16.05				17.27	17.98	
120.0	17.02	16.98	16.94	16.09	16.04	16.02				16.56	17.78	
125.0	16.99	16.95	16.91	16.06	16.00	15.96					17.65	
130.0	16.96	16.93	16.87	16.02	15.99	15.92					17.27	
135.0	16.94		16.85	15.97	15.95	15.89					16.96	
140.0	16.84		16.82	15.93	15.93	15.87					16.26	
145.0	16.80		16.77	15.91	15.87	15.85					15.80	
150.0	16.80			15.87	15.83	15.84					15.69	
155.0	16.78				15.81	15.82					15.55	
160.0	16.77				15.80	15.82					15.29	
165.0	16.76				15.77	15.81					15.10	
170.0	16.76				15.76	15.80					14.86	
175.0	16.76				15.76	15.80					14.51	
180.0	16.75				15.73	15.79					14.18	
185.0	16.75				15.72	15.79					13.80	
190.0	16.76				15.71	15.78					13.61	
195.0	16.75				15.70	15.76					13.49	
200.0	16.73				15.69	15.75					13.44	
205.0					15.68						13.19	
210.0					15.67						13.12	
(P S U) 塩分	2.0	29.53	24.69	27.61	28.55	29.25	29.15	30.01	31.97	32.27	32.53	33.67
	5.0	30.53	29.99	29.75	28.99	29.36	29.48	31.23	32.01	32.43	32.58	33.55
	10.0	31.59	31.50	31.02	31.67	31.88	31.63	32.31	32.66	32.64	32.60	33.82
	15.0	32.01	32.12	32.09	32.76	32.46	32.31	32.80	32.82	32.64	32.77	33.77
	20.0	32.23	32.37	32.39	32.95	33.05	33.00	33.02	32.90	32.86	33.12	33.72
	25.0	32.48	32.56	32.63	33.00	33.29	33.37	33.12	33.16	33.17	33.03	33.75
	30.0	32.63	32.71	32.89	33.19	33.35	33.52	33.19	33.36	33.56	33.09	34.02
	35.0	32.77	32.82	33.03	33.25	33.47	33.57	33.45	33.53	33.64	33.55	33.86
	40.0	32.92	33.06	33.28	33.42	33.42	33.58	33.55	33.60	33.68	33.75	33.98
	45.0	33.08	33.22	33.42	33.53	33.76	33.82	33.70	33.76	33.88	34.03	34.07
	50.0	33.23	33.34	33.41	33.39	33.92	33.76	33.82	33.75	34.02	34.31	34.15
	55.0	33.48	33.42	33.53	33.78	34.11	34.11	33.95	34.12	34.07	34.28	34.23
	60.0	33.56	33.56	33.73	34.16	34.33	34.26	34.11	34.16	34.29	34.32	34.30
	65.0	33.66	33.75	33.83	34.36	34.46	34.32	34.20	34.31	34.33	34.23	34.25
	70.0	33.98	33.93	33.94	34.48	34.47	34.45	34.36	34.39	34.33	34.26	34.39
	75.0	34.07	34.02	34.02	34.51	34.53	34.50	34.43	34.44	34.54	34.42	34.39
	80.0	34.09	34.09	34.08	34.53	34.56	34.51	34.45	34.51	34.57	34.54	34.44
	85.0	34.11	34.14	34.12	34.56	34.56	34.53	34.53	34.52	34.57	34.56	34.51
	90.0	34.14	34.14	34.14	34.57	34.56	34.55	34.55	34.53	34.57	34.57	34.56
	95.0	34.14	34.14	34.15	34.57	34.56	34.56	34.56	34.55	34.57	34.57	34.60
	100.0	34.15	34.16	34.16	34.57	34.58	34.56	34.56	34.55	34.56	34.57	34.61
105.0	34.15	34.16	34.16	34.57	34.57	34.56	34.57	34.53		34.58	34.61	
110.0	34.16	34.16	34.17	34.57	34.57	34.57				34.58	34.63	
115.0	34.17	34.17	34.17	34.57	34.56	34.57				34.56	34.62	
120.0	34.17	34.17	34.18	34.57	34.56	34.57				34.57	34.63	
125.0	34.17	34.18	34.18	34.57	34.57	34.56					34.64	
130.0	34.18	34.18	34.19	34.57	34.57	34.56					34.62	
135.0	34.17		34.19	34.57	34.57	34.56					34.63	
140.0	34.20		34.19	34.57	34.57	34.56					34.61	
145.0	34.20		34.20	34.57	34.57	34.56					34.59	
150.0	34.21			34.57	34.57	34.56					34.58	
155.0	34.21				34.57	34.57					34.56	
160.0	34.21				34.57	34.56					34.55	
165.0	34.21				34.57	34.57					34.54	
170.0	34.22				34.57	34.56					34.55	
175.0	34.22				34.57	34.56					34.53	
180.0	34.22				34.57	34.56					34.52	
185.0	34.22				34.57	34.56					34.49	
190.0	34.22				34.57	34.56					34.49	
195.0	34.22				34.56	34.56					34.48	
200.0	34.22				34.57	34.56					34.49	
205.0					34.56						34.47	
210.0					34.56						34.47	

別表7 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2021/10/5	2021/10/5	2021/10/5	2021/10/5	2021/10/5	2021/10/5	2021/10/6	2021/10/6	2021/10/6	2021/10/6	2021/10/6
時刻	10:34	9:33	9:55	12:23	13:04	13:48	10:25	11:00	11:35	12:14	12:56
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)	10.0	9.0	10.0	15.0	14.0	15.0	15.0	15.0	15.5	22.0	28.0
気温(℃)	25	25	25	26	26	26	23	23	24	24	25
天気	晴	晴	晴	晴	晴	晴	快晴	晴	晴	晴	晴
風向	ESE	SE	calm	SSW	SE	ESE	N	N	N	NE	ESE
風速(m/s)	2.0	2.5		1.5	3.0	5.0	1.5	4.0	3.0	2.0	3.5
気圧(hPa)	1022.6	1022.6	1022.6	1021.2	1020.3	1019.8	1019.7	1019.4	1019.0	1018.6	1018.0
水温(℃)	2.0	26.49	26.32	26.28	26.82	26.78	26.87	26.54	27.16	26.90	27.19
	5.0	26.58	26.28	26.36	26.79	26.72	26.87	26.51	27.13	26.92	27.17
	10.0	25.35	25.63	26.20	26.64	26.66	26.85	26.79	27.07	26.95	27.22
	15.0	25.17	25.09	25.43	26.22	27.16	26.95	26.95	27.00	26.92	27.19
	20.0	25.10	24.70	24.96	26.54	27.17	26.85	26.89	26.95	26.96	27.21
	25.0	25.40	24.35	24.72	26.97	27.15	26.19	26.84	26.70	27.09	27.22
	30.0	24.52	24.08	24.46	26.78	26.73	25.74	26.82	26.32	27.11	27.20
	35.0	24.91	23.85	23.79	26.57	26.59	25.21	26.68	26.01	26.68	27.18
	40.0	24.14	23.24	22.95	26.15	25.66	24.65	26.46	25.90	26.48	27.17
	45.0	23.21	23.08	22.60	25.43	24.98	24.32	24.70	25.63	26.24	26.70
	50.0	22.66	22.46	21.78	25.12	24.03	23.41	22.93	24.87	26.09	26.52
	55.0	21.45	21.78	20.88	24.87	23.18	22.80	22.41	24.34	25.26	26.21
	60.0	20.04	20.58	19.89	22.95	22.62	22.26	22.08	23.55	23.96	25.54
	65.0	19.14	19.65	19.18	21.98	22.13	20.97	21.37	22.95	22.44	24.59
	70.0	18.31	18.57	18.48	21.18	21.17	20.60	20.78	22.63	20.95	22.89
	75.0	17.88	17.99	18.09	21.11	20.26	20.61	20.52	22.39	19.27	21.85
	80.0	17.61	17.74	17.93	20.27	19.13	20.25	18.83	21.23	18.67	20.76
	85.0	17.45	17.56	17.62	19.74	18.37	18.52	18.16	20.77	17.70	19.85
	90.0	17.37	17.47	17.48	18.73	17.44	17.52	16.92	20.30	17.36	18.94
	95.0	17.34	17.37	17.36	17.42	16.91	17.12	16.65	20.11	17.17	18.82
	100.0	17.26	17.29	17.28	16.94	16.57	16.63	16.44	17.04	17.13	18.29
105.0	17.24	17.25	17.25	16.58	16.50	16.50	16.18	16.76		17.77	
110.0	17.20	17.21	17.16	16.39	16.34	16.45	16.11			17.52	
115.0	17.16	17.17	17.11	16.23	16.26	16.37				17.23	
120.0	17.14	17.12	17.04	16.20	16.21	16.24				17.01	
125.0	17.10	17.06	17.02	16.19	16.17	16.09					
130.0	17.06	17.02	16.99	16.12	16.05	16.05					
135.0	16.99		16.96	16.10	16.02	16.01					
140.0	16.95		16.92		16.00	15.98					
145.0	16.94		16.86		15.97	15.96					
150.0	16.91				15.96	15.93					
155.0	16.89				15.94	15.91					
160.0	16.89				15.92	15.89					
165.0	16.88				15.91	15.88					
170.0	16.88				15.89	15.87					
175.0	16.88				15.87	15.85					
180.0	16.87				15.86	15.84					
185.0	16.86				15.85	15.82					
190.0	16.85				15.83	15.82					
195.0	16.84				15.82	15.81					
200.0	16.83				15.82	15.79					
205.0					15.81						
210.0					15.79						
塩分(P S U)	2.0	31.34	30.44	30.86	31.68	31.64	31.80	31.93	33.22	32.71	33.47
	5.0	31.59	30.46	31.25	31.71	31.66	31.81	32.07	33.22	32.76	33.51
	10.0	32.31	32.19	31.91	31.84	31.73	32.27	32.57	33.22	32.94	33.54
	15.0	32.53	32.45	32.41	32.47	32.77	32.51	33.12	33.27	33.08	33.56
	20.0	32.81	32.69	32.58	33.04	33.21	32.84	33.43	33.49	33.15	33.59
	25.0	33.05	32.74	32.62	33.40	33.45	33.04	33.44	33.61	33.40	33.70
	30.0	32.77	32.78	32.85	33.43	33.51	33.12	33.48	33.63	33.54	33.72
	35.0	33.03	32.80	32.90	33.48	33.58	33.35	33.47	33.73	33.50	33.69
	40.0	32.89	32.87	32.90	33.53	33.57	33.51	33.43	33.73	33.60	33.72
	45.0	32.86	33.02	33.06	33.51	33.51	33.68	33.57	33.84	33.61	33.74
	50.0	32.94	33.16	33.28	33.59	33.65	33.71	33.82	33.95	33.70	33.81
	55.0	33.19	33.28	33.40	33.69	33.76	33.87	33.86	34.02	33.78	33.86
	60.0	33.54	33.42	33.59	33.75	33.83	33.95	33.93	34.01	33.97	34.04
	65.0	33.76	33.60	33.76	33.91	33.91	34.44	34.03	34.03	34.27	34.09
	70.0	33.94	33.90	33.89	34.09	34.05	34.38	34.10	34.04	34.38	34.21
	75.0	34.02	34.02	33.99	34.11	34.21	34.54	34.16	34.19	34.48	34.27
	80.0	34.07	34.06	34.01	34.20	34.34	34.37	34.39	34.14	34.50	34.42
	85.0	34.10	34.09	34.07	34.27	34.44	34.40	34.48	34.15	34.53	34.47
	90.0	34.12	34.11	34.11	34.38	34.51	34.52	34.54	34.29	34.54	34.53
	95.0	34.11	34.12	34.13	34.53	34.55	34.52	34.56	34.28	34.54	34.54
	100.0	34.13	34.14	34.14	34.54	34.55	34.56	34.56	34.56	34.54	34.51
105.0	34.13	34.14	34.14	34.55	34.56	34.56	34.57	34.56		34.61	
110.0	34.14	34.15	34.16	34.57	34.56	34.56	34.58			34.61	
115.0	34.14	34.16	34.16	34.57	34.57	34.56				34.61	
120.0	34.15	34.16	34.17	34.57	34.56	34.56				34.62	
125.0	34.16	34.17	34.17	34.56	34.56	34.56				34.61	
130.0	34.17	34.18	34.18	34.56	34.57	34.57				34.51	
135.0	34.18		34.18	34.56	34.57	34.57				34.57	
140.0	34.18		34.18		34.56	34.57				34.57	
145.0	34.19		34.19		34.56	34.56				34.62	
150.0	34.19				34.56	34.56				34.62	
155.0	34.20				34.56	34.56				34.62	
160.0	34.20				34.56	34.57				34.63	
165.0	34.20				34.56	34.57				34.62	
170.0	34.21				34.56	34.57				34.62	
175.0	34.21				34.57	34.57				34.62	
180.0	34.21				34.56	34.56				34.62	
185.0	34.21				34.56	34.57				34.62	
190.0	34.21				34.57	34.56				34.60	
195.0	34.21				34.56	34.56				34.59	
200.0	34.21				34.56	34.56				34.58	
205.0					34.56					34.57	
210.0					34.56					34.56	

別表8 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2021/11/8	2021/11/8	2021/11/8	2021/11/9	2021/11/9	2021/11/9	2021/11/9	2021/11/9			
時刻	10:29	9:27	9:49	9:07	9:45	10:27	11:08	11:44			
北緯	31°39'50"	31°42'00"	31°40'00"	31°31'15"	31°26'45"	31°22'15"	31°17'30"	31°12'30"	31°08'30"	31°05'30"	31°02'30"
東経	130°46'00"	130°39'00"	130°40'00"	130°35'45"	130°38'27"	130°41'09"	130°42'30"	130°42'30"	130°40'11"	130°35'32"	130°30'53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)	9.0	8.5	8.5	10.0	10.0	10.5	10.5	10.0			
気温(℃)	20	19	20	13	16	15	16	16			
天気	曇	曇	曇	晴	晴	曇	曇	曇			
風向	NW	NW	NW	NW	NW	NW	NW	NW			
風速(m/s)	1.0	3.1	4.8	4.0	5.0	6.4	9.1	5.5			
気圧(hPa)	1014.9	1014.7	1015.0	1014.4	1014.1	1013.6	1013.6	1013.1			
(C) 水温	2.0	22.87	22.73	22.65	22.62	22.70	22.68	22.74	22.79		
	5.0	22.86	22.96	22.66	22.63	22.70	22.68	22.74	22.83		
	10.0	22.90	22.95	22.91	22.63	22.70	22.68	22.77	22.84		
	15.0	23.06	22.86	22.86	22.65	22.70	22.69	22.77	22.87		
	20.0	22.99	22.90	22.86	22.74	22.70	22.69	22.77	22.88		
	25.0	22.98	22.91	22.85	22.74	22.71	22.69	22.78	22.91		
	30.0	22.92	22.85	22.85	22.94	22.71	22.69	22.80	22.93		
	35.0	23.07	22.83	22.83	23.07	23.22	22.69	22.81	22.97		
	40.0	23.01	22.97	22.74	23.20	23.12	22.70	22.84	22.99		
	45.0	22.77	23.13	22.58	22.98	23.12	22.72	22.91	23.00		
	50.0	22.72	22.74	22.05	22.53	23.00	23.22	23.16	23.04		
	55.0	22.59	22.51	21.60	21.73	22.44	22.56	22.58	23.04		
	60.0	22.27	21.55	21.28	20.88	21.35	21.81	22.03	22.52		
	65.0	21.35	21.12	20.74	20.65	20.90	21.22	21.22	21.95		
	70.0	20.27	19.68	19.62	20.56	20.42	21.01	20.77	21.18		
	75.0	18.89	18.56	19.02	19.69	19.73	20.33	20.48	20.46		
	80.0	18.00	18.05	18.48	19.21	19.24	20.05	19.92	19.92		
	85.0	17.89	17.67	17.98	18.47	18.71	19.60	18.76	18.57		
	90.0	17.70	17.63	17.88	17.64	18.02	18.70	17.95	17.76		
	95.0	17.54	17.53	17.70	17.41	17.39	17.97	17.56	17.32		
	100.0	17.35	17.45	17.55	17.10	17.00	17.34	16.84	17.11		
105.0	17.31	17.41	17.46	16.86	16.59	17.20	16.36	17.08			
110.0	17.30	17.37	17.39	16.56	16.52	16.87	16.24				
115.0	17.30	17.35	17.28	16.50	16.38	16.61					
120.0	17.30	17.27	17.23	16.36	16.31	16.44					
125.0	17.30	17.22	17.18	16.29	16.30	16.30					
130.0	17.27	17.20	17.15	16.26	16.27	16.25					
135.0	17.21		17.11	16.23	16.24	16.20					
140.0	17.19		17.04		16.17	16.16					
145.0	17.12		17.03		16.11	16.09					
150.0	17.08				16.08	16.07					
155.0	17.03				16.05	16.05					
160.0	17.02				16.04	16.04					
165.0	17.01				16.04	16.02					
170.0	17.00				16.03	16.01					
175.0	16.99				16.02	16.01					
180.0	16.98				16.01	16.00					
185.0	16.97				16.00	15.98					
190.0	16.97				16.00	15.97					
195.0	16.97				15.97	15.96					
200.0	16.96				15.96	15.94					
205.0					15.95						
210.0					15.94						
(S) 塩分	2.0	32.95	32.63	32.67	33.50	33.58	33.49	33.60	33.67		
	5.0	32.96	32.74	32.68	33.50	33.58	33.49	33.62	33.69		
	10.0	32.97	32.76	32.86	33.50	33.58	33.49	33.63	33.69		
	15.0	33.07	32.76	32.99	33.52	33.58	33.49	33.63	33.73		
	20.0	33.09	32.88	33.04	33.56	33.58	33.49	33.63	33.73		
	25.0	33.11	32.96	33.10	33.56	33.58	33.49	33.64	33.76		
	30.0	33.12	32.99	33.10	33.70	33.59	33.49	33.66	33.79		
	35.0	33.23	33.01	33.13	33.85	34.05	33.49	33.67	33.83		
	40.0	33.27	33.10	33.21	34.10	34.12	33.49	33.71	33.85		
	45.0	33.29	33.27	33.32	34.15	34.14	33.50	33.76	33.88		
	50.0	33.30	33.36	33.46	34.22	34.16	33.95	33.94	33.90		
	55.0	33.35	33.38	33.55	34.26	34.23	34.11	34.08	33.94		
	60.0	33.43	33.40	33.58	34.34	34.24	34.20	34.15	34.22		
	65.0	33.37	33.54	33.63	34.35	34.31	34.26	34.28	34.32		
	70.0	33.53	33.66	33.66	34.36	34.36	34.28	34.34	34.42		
	75.0	33.78	33.89	33.79	34.42	34.43	34.40	34.38	34.41		
	80.0	34.00	33.98	33.90	34.46	34.47	34.42	34.30	34.45		
	85.0	34.02	34.06	34.00	34.50	34.45	34.45	34.49	34.49		
	90.0	34.05	34.06	34.01	34.53	34.53	34.48	34.53	34.50		
	95.0	34.08	34.08	34.05	34.53	34.54	34.53	34.54	34.53		
	100.0	34.12	34.10	34.08	34.53	34.55	34.55	34.54	34.54		
105.0	34.12	34.11	34.10	34.54	34.55	34.54	34.55	34.54			
110.0	34.12	34.11	34.12	34.54	34.56	34.54	34.56				
115.0	34.13	34.12	34.14	34.55	34.56	34.55					
120.0	34.13	34.13	34.14	34.55	34.56	34.56					
125.0	34.13	34.14	34.15	34.55	34.55	34.56					
130.0	34.13	34.14	34.15	34.56	34.56	34.56					
135.0	34.14		34.16	34.55	34.56	34.56					
140.0	34.14		34.17		34.56	34.56					
145.0	34.16				34.56	34.56					
150.0	34.17				34.56	34.56					
155.0	34.18				34.56	34.56					
160.0	34.18				34.56	34.56					
165.0	34.18				34.56	34.56					
170.0	34.18				34.56	34.56					
175.0	34.18				34.56	34.56					
180.0	34.19				34.56	34.56					
185.0	34.19				34.56	34.56					
190.0	34.19				34.56	34.56					
195.0	34.19				34.56	34.56					
200.0	34.19				34.56	34.56					
205.0					34.56						
210.0					34.56						

別表9 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2021/12/13	2021/12/13	2021/12/13	2021/12/14	2021/12/14	2021/12/14	2021/12/14	2021/12/14	2021/12/14	2021/12/14	2021/12/14
時刻	13:17	14:23	13:57	9:12	9:50	10:29	11:10	11:46	12:21	12:57	
北緯	31° 39' 50"	31° 42' 00"	31° 40' 00"	31° 31' 15"	31° 26' 45"	31° 22' 15"	31° 17' 30"	31° 12' 30"	31° 08' 30"	31° 05' 30"	31° 02' 30"
東経	130° 46' 00"	130° 39' 00"	130° 40' 00"	130° 35' 45"	130° 38' 27"	130° 41' 09"	130° 42' 30"	130° 42' 30"	130° 40' 11"	130° 35' 32"	130° 30' 53"
水深 (m)	200	130	150	150	228	204	118	109	103	123	250
透明度 (m)	10.0	8.0	10.0	11.0	12.0	13.0	15.0	14.5	19.5	25.0	
気温 (°C)	11	12	11	9	9	10	10	10	11	12	
天気	晴	快晴	快晴	快晴	晴	快晴	快晴	快晴	晴	晴	
風向	W	NW	NW	NNW	NW	N	N	NE	NE	NW	
風速 (m/s)	1.7	2.5	3.2	1.0	1.0	1.5	2.0	1.5	1.0	2.5	
気圧 (hPa)	1022.1	1021.6	1021.7	1024.0	1024.1	1024.2	1023.9	1023.2	1022.6	1022.0	
(C) 曹水	2.0	19.22	19.42	19.46	18.84	18.80	18.79	18.67	18.67	19.09	19.83
	5.0	19.46	19.42	19.46	18.83	18.80	18.79	18.67	18.67	19.09	19.84
	10.0	19.51	19.41	19.46	18.84	18.80	18.78	18.64	18.65	19.08	19.82
	15.0	19.50	19.44	19.46	18.91	18.79	18.78	18.64	18.64	19.07	19.81
	20.0	19.50	19.47	19.46	18.91	18.80	18.78	18.64	18.64	19.05	19.80
	25.0	19.51	19.74	19.46	18.90	18.80	18.78	18.64	18.64	19.01	19.79
	30.0	19.56	19.64	19.48	18.87	18.80	18.78	18.64	18.65	18.98	19.78
	35.0	19.75	19.71	19.49	19.04	18.81	18.79	18.64	18.67	18.96	19.77
	40.0	19.77	19.75	19.60	19.15	18.81	18.79	18.64	18.67	18.96	19.74
	45.0	19.66	19.66	19.93	19.31	18.82	18.79	18.64	18.69	18.96	19.72
	50.0	19.55	19.63	19.92	19.18	19.46	18.82	18.65	18.69	18.96	19.71
	55.0	19.53	19.59	19.65	18.98	19.03	18.87	18.76	18.65	18.91	19.66
	60.0	19.39	19.40	19.32	18.89	18.76	18.96	18.84	18.60	18.72	19.38
	65.0	19.37	19.17	19.10	18.72	18.50	18.83	18.77	18.22	18.38	19.13
	70.0	19.26	19.15	18.94	18.57	18.20	18.55	18.70	18.19	17.80	18.70
	75.0	19.24	18.94	18.76	18.36	18.09	18.28	18.42	17.69	17.56	17.99
	80.0	19.14	18.87	18.58	18.30	17.85	17.97	18.07	17.37	17.25	17.75
	85.0	19.02	18.70	18.41	17.96	17.60	17.49	17.28	16.87	17.21	16.97
	90.0	18.71	18.48	18.24	17.68	17.29	17.33	17.20	16.67	17.13	16.67
	95.0	18.33	18.15	18.09	17.57	16.99	17.20	17.07	16.44	17.07	16.63
	100.0	18.14	17.91	18.02	17.27	16.88	17.10	16.96	16.38	16.75	16.60
105.0	17.89	17.73	17.85	17.02	16.82	16.93	16.87	16.34		16.53	
110.0	17.70	17.70	17.73	16.81	16.80	16.78	16.64			16.04	
115.0	17.64	17.58	17.64	16.67	16.72	16.63	16.52			15.88	
120.0	17.52	17.48	17.61	16.52	16.48	16.53				15.82	
125.0	17.46	17.43	17.56	16.47	16.41	16.43					
130.0	17.43	17.39	17.50	16.42	16.38	16.35					
135.0	17.38		17.43	16.39	16.31	16.30					
140.0	17.33		17.37	16.33	16.27	16.23					
145.0	17.29		17.28		16.22	16.18					
150.0	17.26				16.21	16.16					
155.0	17.23				16.20	16.13					
160.0	17.22				16.19	16.11					
165.0	17.21				16.14	16.10					
170.0	17.21				16.12	16.10					
175.0	17.20				16.11	16.09					
180.0	17.20				16.10	16.09					
185.0	17.20				16.10	16.08					
190.0	17.19				16.09	16.07					
195.0	17.17				16.07	16.06					
200.0	17.15				16.06	16.05					
205.0					16.04						
210.0					16.03						
(S) 塩分	2.0	33.19	33.46	33.53	33.82	34.06	34.01	34.06	33.97	34.21	34.42
	5.0	33.51	33.46	33.53	33.82	34.06	34.01	34.06	33.97	34.20	34.42
	10.0	33.57	33.48	33.53	33.82	34.05	34.00	34.06	33.97	34.21	34.42
	15.0	33.57	33.50	33.53	33.97	34.05	34.01	34.06	33.97	34.20	34.42
	20.0	33.57	33.52	33.54	34.02	34.06	34.01	34.06	33.97	34.20	34.41
	25.0	33.57	33.64	33.54	34.03	34.06	34.01	34.06	33.97	34.20	34.42
	30.0	33.60	33.63	33.55	34.03	34.06	34.01	34.06	33.97	34.20	34.42
	35.0	33.78	33.74	33.55	34.14	34.06	34.01	34.06	33.99	34.20	34.42
	40.0	33.83	33.79	33.60	34.28	34.06	34.01	34.06	33.99	34.20	34.42
	45.0	33.86	33.82	33.77	34.45	34.07	34.01	34.06	33.99	34.20	34.42
	50.0	33.84	33.86	33.86	34.47	34.48	34.05	34.06	34.01	34.20	34.42
	55.0	33.89	33.90	33.91	34.49	34.51	34.29	34.18	34.08	34.23	34.40
	60.0	33.91	33.92	33.94	34.52	34.53	34.41	34.28	34.29	34.39	34.38
	65.0	33.92	33.95	33.97	34.53	34.54	34.53	34.37	34.42	34.52	34.42
	70.0	33.96	33.95	33.99	34.53	34.57	34.53	34.45	34.44	34.56	34.51
	75.0	33.96	33.98	34.01	34.57	34.58	34.50	34.48	34.51	34.57	34.58
	80.0	33.98	34.00	34.02	34.57	34.56	34.57	34.54	34.53	34.57	34.58
	85.0	33.98	34.01	34.02	34.58	34.57	34.58	34.58	34.54	34.56	34.56
	90.0	34.01	34.02	34.03	34.59	34.59	34.59	34.57	34.56	34.56	34.58
	95.0	34.00	34.03	34.04	34.59	34.58	34.58	34.57	34.57	34.56	34.58
	100.0	34.04	34.05	34.04	34.59	34.58	34.58	34.58	34.57	34.57	34.58
105.0	34.05	34.06	34.06	34.58	34.58	34.58	34.58	34.57		34.58	
110.0	34.08	34.08	34.07	34.58	34.58	34.58	34.57			34.56	
115.0	34.08	34.09	34.09	34.58	34.58	34.57	34.52			34.58	
120.0	34.10	34.10	34.09	34.58	34.57	34.57				34.57	
125.0	34.11	34.11	34.10	34.57	34.57	34.57					
130.0	34.11	34.11	34.10	34.58	34.57	34.57					
135.0	34.12		34.11	34.57	34.57	34.57					
140.0	34.13		34.12	34.57	34.57	34.57					
145.0	34.13		34.14		34.57	34.57					
150.0	34.14				34.57	34.57					
155.0	34.15				34.57	34.57					
160.0	34.15				34.57	34.57					
165.0	34.15				34.57	34.57					
170.0	34.15				34.57	34.57					
175.0	34.15				34.57	34.57					
180.0	34.15				34.57	34.57					
185.0	34.16				34.57	34.57					
190.0	34.16				34.57	34.57					
195.0	34.16				34.57	34.57					
200.0	34.16				34.57	34.57					
205.0					34.57						
210.0					34.57						

別表10 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2022/1/21	2022/1/21	2022/1/21	2022/1/20	2022/1/20	2022/1/20	2022/1/20	2022/1/20	2022/1/20	2022/1/20	
時刻	10:21	9:20	9:45	9:07	9:43	10:23	11:04	11:39	12:22		
北緯	31°39'50"	31°42'00"	31°40'00"	31°31'15"	31°26'45"	31°22'15"	31°17'30"	31°12'30"	31°08'30"	31°05'30"	31°02'30"
東経	130°46'00"	130°39'00"	130°40'00"	130°35'45"	130°38'27"	130°41'09"	130°42'30"	130°42'30"	130°40'11"	130°35'32"	130°30'53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)	12.0	14.0	13.0	13.0	19.0	19.0	19.0	20.0			
気温(℃)	12	11	13	6	6	7	7	8	8		
天気	晴	晴	晴	晴	晴	曇	晴	晴	晴		
風向	SW	NE	NW	NW	NNW	NW	NNW	NNW	NW		
風速(m/s)	4.0	1.4	1.9	3.0	7.0	8.0	7.0	6.0	6.0		
気圧(hPa)	1028.0	1028.0	1028.0	1021.0	1021.5	1021.8	1022.0	1022.0	1022.0		
(C) 水温	2.0	16.91	16.91	16.73	16.93	17.08	16.92	17.18	17.52		
	5.0	16.92	16.92	16.72	16.94	17.08	16.92	17.18	17.51		
	10.0	16.92	16.92	16.70	16.94	17.08	16.92	17.18	17.53		
	15.0	16.92	16.92	16.72	16.93	17.08	16.92	17.19	17.53		
	20.0	16.92	16.92	16.74	16.92	17.08	16.92	17.18	17.53		
	25.0	16.92	16.93	16.71	16.93	17.09	16.93	17.18	17.53		
	30.0	16.92	16.93	16.77	16.93	17.09	16.93	17.18	17.51		
	35.0	16.92	16.93	16.84	16.93	17.08	16.93	17.18	17.49		
	40.0	16.92	16.93	16.86	16.93	17.09	16.93	17.18	17.48		
	45.0	16.92	16.94	16.85	16.95	17.09	16.93	17.19	17.46		
	50.0	16.92	16.93	16.84	16.95	17.09	16.94	17.19	17.43		
	55.0	16.92	16.93	16.85	16.95	17.09	16.94	17.19	17.39		
	60.0	16.93	16.94	16.85	16.96	17.09	16.94	17.19	17.31		
	65.0	16.93	16.92	16.85	16.95	17.09	16.94	17.18	17.17		
	70.0	16.93	16.94	16.86	16.94	17.10	16.93	17.17	16.95		
	75.0	16.93	16.94	16.87	16.69	17.08	16.93	17.16	16.86		
	80.0	16.93	16.95	16.89	16.62	17.07	16.93	17.12	16.73		
	85.0	16.92	16.94	16.92	16.45	17.08	16.77	17.09	16.32		
	90.0	16.94	16.95	16.92	16.39	17.05	16.68	16.90	16.30		
	95.0	16.94	16.95	16.92	16.37	16.88	16.67	16.66	16.29		
	100.0	16.93	17.03	16.93	16.35	16.85	16.61	16.58	16.24		
105.0	17.07	17.05	16.94	16.35	16.74	16.54		16.21			
110.0	17.23	17.01	16.94	16.34	16.67	16.47					
115.0	17.23	17.05	16.94	16.32	16.64	16.43					
120.0	17.19	17.15	17.01	16.30	16.55	16.38					
125.0	17.18	17.11	17.12	16.30	16.49	16.31					
130.0	17.12	17.10	17.04	16.29	16.41	16.27					
135.0	17.12		17.01	16.27	16.39	16.26					
140.0	17.14		16.95	16.26	16.33	16.25					
145.0	17.14		16.90	16.24	16.32	16.24					
150.0	17.19			16.23	16.25	16.22					
155.0	17.19				16.22	16.21					
160.0	17.17				16.18	16.19					
165.0	17.18				16.17	16.17					
170.0	17.20				16.16	16.16					
175.0	17.23				16.14	16.15					
180.0	17.22				16.12	16.14					
185.0	17.21				16.12	16.12					
190.0	17.19				16.12	16.09					
195.0	17.20				16.11						
200.0	17.21				16.10						
205.0					16.10						
210.0					16.10						
(P S U) 塩分	2.0	33.92	33.91	33.87	34.37	34.41	34.41	34.43	34.46		
	5.0	33.92	33.91	33.85	34.37	34.41	34.41	34.43	34.46		
	10.0	33.92	33.92	33.85	34.37	34.41	34.41	34.43	34.46		
	15.0	33.92	33.91	33.86	34.37	34.41	34.41	34.43	34.46		
	20.0	33.92	33.91	33.86	34.36	34.41	34.41	34.43	34.46		
	25.0	33.92	33.92	33.85	34.37	34.41	34.41	34.43	34.46		
	30.0	33.92	33.92	33.87	34.37	34.41	34.41	34.43	34.46		
	35.0	33.92	33.92	33.90	34.36	34.41	34.41	34.43	34.46		
	40.0	33.92	33.92	33.90	34.37	34.41	34.41	34.43	34.46		
	45.0	33.92	33.92	33.90	34.38	34.41	34.41	34.43	34.45		
	50.0	33.92	33.91	33.90	34.37	34.41	34.41	34.43	34.45		
	55.0	33.92	33.92	33.90	34.37	34.41	34.41	34.43	34.44		
	60.0	33.92	33.92	33.91	34.37	34.41	34.41	34.43	34.45		
	65.0	33.92	33.91	33.91	34.37	34.41	34.41	34.43	34.43		
	70.0	33.92	33.92	33.91	34.40	34.41	34.41	34.43	34.45		
	75.0	33.93	33.91	33.92	34.50	34.41	34.41	34.43	34.46		
	80.0	33.92	33.91	33.93	34.51	34.41	34.41	34.43	34.46		
	85.0	33.93	33.92	33.94	34.54	34.41	34.49	34.43	34.49		
	90.0	33.94	33.92	33.94	34.53	34.42	34.51	34.45	34.49		
	95.0	33.93	33.92	33.94	34.54	34.48	34.52	34.49	34.49		
	100.0	33.94	33.95	33.94	34.54	34.49	34.52	34.50	34.50		
105.0	33.98	33.96	33.95	34.54	34.52	34.53		34.50			
110.0	34.06	33.95	33.94	34.54	34.52	34.54					
115.0	34.07	33.97	33.95	34.54	34.53	34.54					
120.0	34.07	34.01	33.98	34.54	34.53	34.54					
125.0	34.06	34.07	34.09	34.54	34.54	34.54					
130.0	34.07	34.08	34.09	34.54	34.54	34.54					
135.0	34.07		34.10	34.54	34.54	34.54					
140.0	34.08		34.13	34.54	34.54	34.55					
145.0	34.08		34.16	34.54	34.54	34.54					
150.0	34.10			34.54	34.54	34.55					
155.0	34.10				34.53	34.54					
160.0	34.10				34.54	34.55					
165.0	34.10				34.54	34.54					
170.0	34.12				34.54	34.54					
175.0	34.12				34.54	34.54					
180.0	34.11				34.54	34.54					
185.0	34.11				34.54	34.54					
190.0	34.11				34.54	34.54					
195.0	34.12				34.54						
200.0	34.12				34.54						
205.0					34.54						
210.0					34.54						





別表12 水温塩分観測成果表

測点	K-17	K-18	K-15	K-00	K-02	K-04	K-06	K-08	K-10	K-12	K-14
日付	2022/3/2	2022/3/2	2022/3/2	2022/3/2	2022/3/3	2022/3/3	2022/3/3	2022/3/3	2022/3/3		
時刻	10:25	9:25	9:50	14:00	10:08	10:47	11:25	12:01	12:36		
北緯	31°39'50"	31°42'00"	31°40'00"	31°31'15"	31°26'45"	31°22'15"	31°17'30"	31°12'30"	31°08'30"	31°05'30"	31°02'30"
東経	130°46'00"	130°39'00"	130°40'00"	130°35'45"	130°38'27"	130°41'09"	130°42'30"	130°42'30"	130°40'11"	130°35'32"	130°30'53"
水深(m)	200	130	150	150	228	204	118	109	103	123	250
透明度(m)	9.5	11.0	10.0	11.0	11.0	9.0	7.0	9.5	10.0		
気温(℃)	12	12	12	11	9	11	11	11	11		
天気	曇	晴	晴	曇	晴	晴	快晴	晴	晴		
風向	NW	NW	NW	NW	NNW	NNW	NNW	NE	NW		
風速(m/s)	6.7	5.5	7.0	6.0	4.0	6.0	6.0	3.0	6.0		
気圧(hPa)	1017.5	1017.5	1017.5	1017.0	1020.6	1020.5	1020.2	1019.8	1019.6		
(C) 水温	2.0	15.77	15.71	15.63	15.88	15.95	16.12	15.86	16.69	16.97	
	5.0	15.77	15.81	15.64	15.88	15.95	16.12	15.86	16.65	16.84	
	10.0	15.76	15.82	15.67	15.89	15.95	16.12	15.84	16.59	16.77	
	15.0	15.75	15.80	15.68	15.90	15.94	16.11	15.83	16.56	16.71	
	20.0	15.77	15.79	15.75	15.91	15.94	16.11	15.82	16.56	16.67	
	25.0	15.77	15.77	15.74	15.93	15.94	16.10	15.83	16.56	16.64	
	30.0	15.76	15.78	15.74	15.93	15.95	16.10	15.83	16.57	16.53	
	35.0	15.75	15.77	15.74	15.93	15.95	16.08	15.83	16.57	16.47	
	40.0	15.75	15.76	15.75	15.93	15.95	16.08	15.86	16.58	16.35	
	45.0	15.75	15.76	15.75	15.94	15.95	16.05	15.87	16.58	16.25	
	50.0	15.76	15.77	15.75	15.94	15.95	16.03	15.88	16.58	16.24	
	55.0	15.76	15.77	15.75	15.94	15.95	15.99	15.88	16.53	16.20	
	60.0	15.79	15.78	15.76	15.95	15.95	15.97	15.89	16.46	16.12	
	65.0	15.78	15.79	15.76	15.95	15.95	15.97	15.89	16.27	16.12	
	70.0	15.80	15.78	15.76	15.95	15.95	15.98	15.89	16.13	16.11	
	75.0	15.79	15.77	15.76	15.95	15.95	16.00	15.91	16.08	16.10	
	80.0	15.79	15.76	15.76	15.95	15.95	16.01	15.94	16.06	16.08	
	85.0	15.80	15.78	15.77	15.96	15.95	16.01	15.96	16.06	16.06	
	90.0	15.81	15.79	15.78	15.96	15.95	16.02	15.96	16.06	16.05	
	95.0	15.79	15.80	15.80	15.95	15.95	16.02	15.97	16.06	16.04	
	100.0	15.81	15.80	15.87	15.95	15.95	16.02	15.97	16.07	16.04	
105.0	15.82	15.84	15.96	15.95	15.96	16.02	15.98	16.07			
110.0	15.84	15.88	15.99	15.96	15.96	16.02	15.98				
115.0	15.86	15.90	15.99	15.96	15.96	16.03					
120.0	15.86	15.89	15.98	15.97	15.96	16.03					
125.0	15.87	15.89	15.97	15.97	15.96	16.03					
130.0	15.88	15.89	15.95	15.98	15.96	16.03					
135.0	15.90		15.92	15.99	15.96	16.04					
140.0	15.90		15.89		15.96	16.03					
145.0	15.88				15.96	16.03					
150.0	15.86				15.96	16.03					
155.0	15.88				15.96	16.03					
160.0	15.88				15.96	16.03					
165.0	15.88				15.96	16.04					
170.0	15.88				15.96	16.04					
175.0	15.88				15.96	16.04					
180.0	15.88				15.96	16.04					
185.0	15.88				15.96	16.04					
190.0	15.88				15.96	16.04					
195.0	15.88				15.96	16.04					
200.0					15.96						
205.0					15.96						
210.0					15.96						
(P S U) 塩分	2.0	33.94	33.92	33.86	34.36	34.48	34.51	34.38	34.57	34.57	
	5.0	33.95	33.98	33.87	34.36	34.48	34.51	34.38	34.57	34.57	
	10.0	33.97	34.01	33.89	34.37	34.47	34.51	34.37	34.57	34.56	
	15.0	33.98	34.01	33.91	34.40	34.47	34.51	34.38	34.57	34.56	
	20.0	33.99	34.01	33.98	34.44	34.47	34.50	34.38	34.56	34.55	
	25.0	34.00	34.00	34.00	34.47	34.47	34.51	34.38	34.56	34.55	
	30.0	34.00	34.01	34.00	34.47	34.47	34.50	34.38	34.56	34.55	
	35.0	34.00	34.01	34.01	34.47	34.47	34.51	34.39	34.56	34.54	
	40.0	34.00	34.01	34.01	34.47	34.47	34.50	34.42	34.57	34.52	
	45.0	34.00	34.01	34.01	34.48	34.47	34.49	34.43	34.57	34.52	
	50.0	34.01	34.01	34.01	34.48	34.47	34.50	34.44	34.57	34.51	
	55.0	34.01	34.01	34.01	34.48	34.47	34.49	34.44	34.56	34.51	
	60.0	34.02	34.01	34.01	34.48	34.47	34.48	34.44	34.54	34.50	
	65.0	34.02	34.02	34.01	34.48	34.47	34.47	34.44	34.52	34.50	
	70.0	34.02	34.01	34.01	34.48	34.47	34.48	34.44	34.50	34.50	
	75.0	34.02	34.01	34.01	34.48	34.47	34.49	34.45	34.49	34.49	
	80.0	34.02	34.01	34.02	34.48	34.47	34.49	34.46	34.49	34.49	
	85.0	34.03	34.02	34.02	34.48	34.47	34.49	34.48	34.49	34.49	
	90.0	34.04	34.02	34.03	34.49	34.47	34.49	34.47	34.49	34.49	
	95.0	34.03	34.03	34.04	34.48	34.47	34.49	34.48	34.49	34.49	
	100.0	34.04	34.04	34.09	34.48	34.47	34.49	34.48	34.49	34.49	
105.0	34.04	34.08	34.13	34.48	34.47	34.49	34.48	34.49			
110.0	34.06	34.12	34.20	34.48	34.47	34.49	34.48				
115.0	34.08	34.18	34.21	34.48	34.47	34.49					
120.0	34.08	34.20	34.22	34.49	34.47	34.50					
125.0	34.10	34.21	34.22	34.49	34.47	34.49					
130.0	34.14	34.21	34.23	34.49	34.47	34.49					
135.0	34.14		34.25	34.49	34.47	34.49					
140.0	34.14		34.27		34.47	34.49					
145.0	34.15				34.47	34.49					
150.0	34.15				34.47	34.49					
155.0	34.15				34.47	34.49					
160.0	34.15				34.48	34.49					
165.0	34.15				34.48	34.49					
170.0	34.16				34.48	34.49					
175.0	34.16				34.47	34.49					
180.0	34.16				34.48	34.50					
185.0	34.16				34.47	34.50					
190.0	34.16				34.48	34.50					
195.0	34.17				34.47	34.49					
200.0					34.48						
205.0					34.48						
210.0					34.47						