

**SEDIMENT DATA SHEET ON DRY SEASON FOR SINO-JAPAN JOINT STUDY
ON THE PEARL RIVER ESTUARY**

Total page 2

No	Point No	Sampling time					Grain content (%)				Type name	Eh	Organic matter (%)	Sulfide (10 ⁻⁶)	T-N (10 ⁻⁶)	T-P (10 ⁻⁶)
		Y	M	D	H	Min	Gravel	Sand	Silt	Clay						
1	P01	2000	12	08				41.52	20.65	37.83	T-Y-S Silt-clay-sand	360	0.05	5.00	0.50	0.06
2	P02	2000	12	04				82.33	4.80	12.87	(Y)-S Sand contained clay	326	1.35	34.69	10.55	7.24
3	P03	2000	12	04				21.02	35.21	43.77	S-T-Y Sand-silt-clay	72	1.65	46.07	27.18	4.54
4	P04	2000	12	04				53.58	19.19	27.23	(T)-YS Clayey sand contained silt	88	1.06	55.45	18.64	9.92
5	P07	2000	12	04				37.77	26.93	35.30	T-Y-S Silt-clay-sand	51	1.52	92.95	24.04	13.83
6	P10	2000	12	04				36.17	26.04	37.79	T-S-Y Silt-sand-clay	-20	2.07	488.91	28.30	33.56
7	P14	2000	12	04				0.58	28.77	70.65	TY Silt clay	281	2.09	37.95	37.29	20.84
8	P24	2000	12	10				5.83	52.31	41.86	YT Clayey silt	10	1.73	100.17	7.49	14.25

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No	Point No	Sampling time				Japanese COD (10 ⁻⁶)	Oil(UV) (10 ⁻⁶)	Cu (10 ⁻⁶)	Pb (10 ⁻⁶)	Cd (10 ⁻⁶)	Zn (10 ⁻⁶)	Hg (10 ⁻⁶)	As (10 ⁻⁶)	Ignition loss (%)		Remark	
		Y	M	D	H									Min	Water content		Ignition loss
1	P01	2000	12	08		7.31	104.7	30.7	42.3	0.98	121.3	0.0919	20.02	23.519	1.833		
2	P02	2000	12	04		1.30	17.9	45.1	43.1	0.82	103.5	0.0433	16.55	24.932	1.974		
3	P03	2000	12	04		2.72	136.5	10.4	47.0	0.91	96.0	0.1094	16.53	36.487	7.605		
4	P04	2000	12	04		7.40	92.4	27.1	28.9	1.09	89.9	0.0967	17.95	29.174	3.713		
5	P07	2000	12	04		10.23	158.0	30.8	34.3	0.82	62.0	0.0839	20.81	38.433	5.431		
6	P10	2000	12	04		12.80	2585.0	54.3	50.5	0.70	85.6	0.1411	11.39	42.026	5.993		
7	P14	2000	12	04		9.23	128.8	49.0	57.2	0.68	98.5	0.1859	29.91	52.604	8.582		
8	P24	2000	12	10		7.31	790.9	39.9	54.8	0.83	195.6	0.1837	26.57	39.772	8.650		

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HEAVY METAL OF SEDIMENT DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY
ON THE PEARL RIVER ESTUARY

Total page 2

No	Point No	Sampling time						Grain content (%)				Type name	Detection limit						Remark
		Y	M	D	H	Min	Gravel	Sand	Silt	Clay	Cu (10 ⁻⁶)		Pb (10 ⁻⁶)	Cd (10 ⁻⁶)	Zn (10 ⁻⁶)	Hg (10 ⁻⁶)	As (10 ⁻⁶)		
																		0.1	
1	P01	2000	8	10			32.31	50.84	8.55	8.30	GS Gravel sand	41.7	53.7	0.94	188.6	0.2211	24.35		
2	P02	2000	8	7				23.66	38.06	38.28	(S)-T-Y Silt-clay contained sand	33.0	50.6	0.98	156.5	0.1455	22.90		
3	P03	2000	8	7				6.33	49.55	44.12	Y-T Clay-silt	40.1	39.5	0.81	123.9	0.1324	19.12		
4	P04	2000	8	2				15.08	40.59	44.33	(S)-T-Y Silt-clay contained sand	57.0	34.7	0.89	96.6	0.0877	17.54		
5	P05	2000	8	7			21.03	73.82	1.22	3.93	GS Gravel sand	11.9	30.1	0.80	83.7	0.0460	13.27		
6	P06	2000	8	7				2.64	35.59	61.77	TY Silt clay	56.9	68.0	0.94	161.3	0.1658	31.39		
7	P07	2000	8	7				13.29	34.94	51.77	TY Silt clay	33.6	65.5	1.09	89.8	0.0920	17.51		
8	P08	2000	8	8				40.69	10.06	49.25	(T)-S-Y Sand-clay contained silt	42.3	45.1	1.30	140.6	0.1691	23.03		
9	P09	2000	8	7			3.90	33.50	15.98	46.62	(T)-S-Y Sand-clay contained silt	27.8	55.8	0.75	44.9	0.1514	19.74		
10	P10	2000	8	7				12.00	32.18	55.82	(S)-TY Silty clay contained sand	20.1	44.3	0.87	81.1	0.0611	12.35		
11	P11	2000	7	31				13.17	36.87	49.97	(S)-T-Y Silt-clay contained sand	47.5	43.8	1.27	137.8	0.1570	23.62		
12	P12	2000	7	31				0.89	31.10	68.01	TY Silt clay	56.3	60.9	0.91	226.1	0.1647	20.40		
13	P13	2000	8	7				28.05	29.68	42.27	S-T-Y Sand-silt-clay	41.4	59.8	0.74	113.3	0.1197	17.06		

HEAVY METAL OF SEDIMENT DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY
ON THE PEARL RIVER ESTUARY

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No	Point No	Sampling time				Grain content (%)				Type name	Cu (10 ⁻⁶)	Pb (10 ⁻⁶)	Cd (10 ⁻⁶)	Zn (10 ⁻⁶)	Hg (10 ⁻⁶)	As (10 ⁻⁶)	Remark	
		Y	M	D	H	Min	Gravel	Sand	Silt									Clay
		Detection limit																
14	P14	2000	8	7			2.73	42.73	54.54	TY Silt clay	57.1	46.5	1.29	157.4	0.1997	33.11		
15	P15	2000	8	8			2.50	40.61	56.89	TY Silt clay	53.0	75.3	1.36	165.3	0.1676	32.43		
16	P16	2000	8	8			16.60	31.87	51.53	TY Silt clay	31.2	74.7	0.26	81.7	0.1151	23.97		
17	P17	2000	8	8			6.36	37.39	56.25	TY Silt clay	46.4	48.2	0.85	186.8	0.1570	28.50		
18	P18	2000	8	8			20.96	41.23	37.81	(S)-Y-T Clay-silt contained sand	31.3	60.9	0.76	75.8	0.1045	17.43		
19	P19	2000	8	1			10.17	35.72	54.11	(S)-TY Silty clay contained sand	40.0	45.8	0.65	111.3	0.1521	24.74		
20	P20	2000	8	1			15.88	39.81	44.31	(S)-T-Y Silt-clay contained sand	31.5	53.6	0.73	62.1	0.1160	21.49		
21	P21	2000	8	8			14.45	41.00	44.55	(S)-T-Y Silt-clay contained sand	35.7	42.2	0.69	96.0	0.1331	20.53		
22	P22	2000	8	9			12.14	48.68	39.18	(S)-Y-T Clay-silt contained sand	27.0	50.4	0.87	89.9	0.1005	15.40		
23	P23	2000	8	9			23.28	34.04	42.66	(S)-T-Y Silt-clay contained sand	33.6	46.0	0.64	124.4	0.1150	16.54		
24	P24	2000	8	6			8.18	57.74	34.07	YT Silt clay	38.5	45.2	1.17	186.5	0.2007	27.30		
25	P25	2000	8	6			11.76	47.56	40.68	(S)-Y-T Clay-silt contained sand	25.8	71.0	0.56	132.5	0.1014	15.69		
26	P26	2000	8	4			21.64	50.47	27.89	(S)-YT Clayey silt contained sand	28.2	45.0	0.89	105.3	0.1266	16.44		

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Table Species and cell number of Phytoplankton in Pearl River Estuary : Dry season - 2

No.	DIVISION	Species name	Stn. Layer	P01		P02		P03		P04		P05		P06		P07		P08		Unit: cells/L
				U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	
51	BACILLARIOPHY	<i>Coscinodiscus granii</i>																		
52		<i>Coscinodiscus jonesianus</i>	3390	3010	4220	591	392	1740	972	960										
53		<i>Coscinodiscus lineatus</i>																		
54		<i>Coscinodiscus nitidus</i>	1020	4010	2810	197	196	774												297
55		<i>Coscinodiscus radiatus</i>																		
56		<i>Coscinodiscus sp.</i>	2710	5690	15500	986	587	3100	194	2880	997	2480	2880	951	1880	1520	656	1010	1110	615
57		<i>Cyclotella sp.</i>	9490	5020	17600	986	1170	6580	2140	14400	34100	112000	41900	7840	1490	14400	2620	3210	3430	941
58		<i>Cymatopleura sp.</i>																		
59		<i>Cymbella lata</i>	339	334																
60		<i>Cymbella sp.</i>			703		196			2880	4100	1500	323				1010	369		
61		<i>Dactyliosolen mediterraneus</i>																		
62		<i>Diploneis splendens</i>												12000	2380				2580	410
63		<i>Ditylum brightwellii</i>						194												
64		<i>Ditylum sol</i>																		
65		<i>Eucampia cornuta</i>													268					
66		<i>Eucampia zoediacus</i>																		
67		<i>Fragilaria virescens</i>																		
68		<i>Fragilaria sp.</i>	1360	6020	7030	591	783	1160	778	4800	6830	3990	968	4220	5940	4310	3090	4820	1140	3320
69		<i>Grammatophora undulata</i>																		
70		<i>Gyrodinium sp.</i>			703		196			960		997	323	1810		803				
71		<i>Hemicaulus hauckii</i>																		
72		<i>Hemicaulus membranaceus</i>																		
73		<i>Hemicaulus sinensis</i>																		
74		<i>Lauderia borealis</i>																		
75		<i>Leptocylindrus danicus</i>													475	1610				
76		<i>Lichophora abbreviata</i>											479							
77		<i>Melosira granulata</i>	2710	16100	14800	1180	3520	9290	34200	73900	109000	58800	179000	16300	1490	3360	2850		9520	11800
78		<i>Melosira granulata v. angustissima</i>	13600	1000	5630	1580	783	4260	3500	4800	5460	16500	29000	1210		3570	4290			
79		<i>Melosira moniliformis</i>																		
80		<i>Melosira sulcata</i>																		
81		<i>Melosira varians</i>	2370	2680	2110	591	*	581	1560	7680	27300	9970	11300	1210	3470	1920	1610	1520	3280	2370
82		<i>Navicula sp.</i>																		
83		<i>Nitzschia closterium</i>								389	960									
84		<i>Nitzschia delicatissima</i>			1410	986	587			2880	*	3990	960	5430	1490	2880	713	37800	8000	4920
85		<i>Nitzschia longissima</i>	2010							960	2730	1500	645			475				7840
86		<i>Nitzschia longissima f. reversa</i>																		369
87		<i>Nitzschia lorenziana</i>																		
88		<i>Nitzschia paradoxa</i>									15000									
89		<i>Nitzschia pungens</i>	2030	2340	1410	394	783	774	3890	960	*	3490	1610	1810	1490	1920	475	6160	1520	4420
90		<i>Nitzschia sp.</i>																		
91		<i>Platodactylum tricornutum</i>								3840	15000	13500	1290	2410	991		951			
92		<i>Pinnularia sp.</i>																		
93		<i>Pleurosigma affine</i>	669							2880	1370	2490	*	603						
94		<i>Pleurosigma sp.</i>	334		703	197	196	194							495					338
95		<i>Rhizosolenia calcar-avis</i>																		
96		<i>Rhizosolenia crassispina</i>																		
97		<i>Rhizosolenia delicatula</i>																		
98		<i>Rhizosolenia fragilissima</i>						387												
99		<i>Rhizosolenia hebetata f. semispina</i>																		
100		<i>Rhizosolenia robusta</i>																		

Remark : * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary: Dry season — 3

Unit: cells/L

No.	DIVISION	Stn. Layer	Species name	P01			P02			P03			P04			P05			P06			P07			P08		
				U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
101	BACILLARIOPHYTA		<i>Rhizosolenia solterforthii</i>																								
102			<i>Rhizosolenia styliformis</i>			197																					
103			<i>Rhizosolenia styliformis v. longispina</i>			197																					
104			<i>Sketonema costatum</i>	8140	4010	19000	5320	979	7740	103000	244000	13700	35900	6130	9650	20800	34500	22100	27300	19400	15700	17200	16600	1880	3690	892	
105			<i>Stauroneis sp.</i>							960																	
106			<i>Stephanopyxis pulmeriana</i>																								
107			<i>Surirella sp.</i>			703	197																				
108			<i>Synedra sp.</i>	678	669	703		196		960		1370	499	*	495	479		1190	1610				369	314			
109			<i>Tabellaria sp.</i>																								
110			<i>Thalassionema nit-schloides</i>				789																				
111			<i>Thalassionema nordenskioldi</i>																								
112			<i>Thalassiosira condensata</i>																								
113			<i>Thalassiosira gravida</i>																								
114			<i>Thalassiosira hyalina</i>																								
115			<i>Thalassiosira rotula</i>																								
116			<i>Thalassiosira subtilis</i>																								
117			<i>Thalassiosira sp.</i>	10200	1340	14100	1180	783	2710	15000	11500	77900	26900	86800	6030	6440	8630	2850	5360	8000	13800	14200	10700	941	2050	892	
118			<i>Thalassiothrix frauenfeldii</i>																								
119			<i>Thalassiothrix mediterranea</i>																								
120	RAPHIIDOPHYTA		<i>Gonvostomum sp.</i>	678	334	703				1360	1920																
121	EUGLENOPHYTA		<i>Euglena acus</i>				394			1750	960																
122			<i>Euglena sp.</i>				394	392		21000		2730	1990	1810	991	959											
123	CHLOROPHYTA		<i>Actinodinium Hookeri</i>																								
124			<i>Actinostromum Hantzschii</i>									1370	1500	*													
125			<i>Ankistrodesmus falcatus v. acicularis</i>									2880	3990	968	3620	1490											
126			<i>Crucigenia quadrata</i>						774																		
127			<i>Crucigenia tetrapedia</i>							778																	
128			<i>Dacryococopsis irregularis</i>									4100															
129			<i>Dunaliella sp.</i>				197																				
130			<i>Pediastrum clathratum</i>	339																							
131			<i>Pediastrum simplex v. duodenarium</i>																								
132			<i>Polystoma sp.</i>							1170		20500						238	536								
133			<i>Scenedesmus acuminatus</i>									10900															
134			<i>Scenedesmus denticulatus v. linearis</i>																								
135			<i>Scenedesmus quadricauda</i>							194																	
136			<i>Chlorophyceae</i>									27300	2990	1290													
137	Unknown		<i>Micro-flagellates</i>	1020	2010	1410	591	587	968	3690	2880	2730	3490	6450	7240	3960	4790	713	1880	2670	656	1010	2580	1570	1230	892	

Remark: * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary: Dry season ---4

Unit: cells/L

No.	DIVISION	Stn. Layer	Species name	P09			P10			P11			P12			P14			P15			P16			P17		
				U	M	B	U	B	M	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
1	CYANOPHYTA		<i>Lyngbya</i> sp.									188															
2			<i>Richiella intracellularis</i>																								
3			<i>Trichodesmium thiebautii</i>																								
4			Cyanophyceae																								
5	DINOPIHYTA		<i>Alexandrium</i> sp.	3150			1140					3390															
6			<i>Ceratium furca</i>		182							97	377									284					
7			<i>Ceratium hirundinella</i>																								
8			<i>Ceratium tripos</i>																								
9			<i>Dinophysis caudata</i>																								
10			<i>Peridinium</i> sp.																								
11			<i>Prorocentrum micans</i>																								
12			<i>Protopteridinium depressum</i>																								
13			<i>Protopteridinium</i> sp.																								
14	HAUPTOPHYTA		Coccolithophorid																								
15	CHRYSOPHYTA		<i>Dictyocha fibula</i>																								
16			<i>Disaephania speculum</i> v. <i>octonarium</i>																								
17	BACILLARIOPHY		<i>Achnanthes</i> sp.																								
18			<i>Actinopycheus annulatus</i>																								
19			<i>Amphiprota alata</i>																								
20			<i>Amphora</i> sp.																								
21			<i>Asteromphalus</i> sp.																								
22			<i>Atleeva zachvatkini</i>																								
23			<i>Bacteriastrium hyalinum</i>																								
24			<i>Bacteriastrium varians</i>																								
25			<i>Biddulphia mobilensis</i>																								
26			<i>Biddulphia sinensis</i>																								
27			<i>Compsoediscus</i> sp.	197																							
28			<i>Ceratulina bergonii</i>	197	2730	2440	51400	16500		1220	277	1070	7340	2770	395	247											
29			<i>Ceratulina compacta</i>																								
30			<i>Chaetoceros affinis</i>							*	561	461															
31			<i>Chaetoceros castracanei</i>																								
32			<i>Chaetoceros compressus</i>																								
33			<i>Chaetoceros curvisetus</i>	787	4910	9970	3730	9700	9360	25800	3690	7340	46300														
34			<i>Chaetoceros debilis</i>								1900	1850															
35			<i>Chaetoceros didymus</i>																								
36			<i>Chaetoceros lauderi</i>								842																
37			<i>Chaetoceros lorenzianus</i>	1970			787	393	190	655	1750	389															
38			<i>Chaetoceros muelleri</i>				407	9450	4120																		
39			<i>Chaetoceros nipponica</i>																								
40			<i>Chaetoceros parvulus</i>																								
41			<i>Chaetoceros pseudocurvisetus</i>																								
42			<i>Chaetoceros rostratus</i>																								
43			<i>Chaetoceros socialis</i>																								
44			<i>Chaetoceros subtilis</i>																								
45			<i>Chaetoceros tortuosus</i>																								
46			<i>Chaetoceros</i> sp.																								
47			<i>Climacodium biconcavum</i>																								
48			<i>Cocconeis</i> sp.																								
49			<i>Corethron hystrix</i>	197																							
50			<i>Coscinodiscus bipartitus</i>																								

Remark: * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary: Dry season -- 5

Unit: cells/L

No.	DIVISION	Species name	Stn. Layer	P09			P10			P11			P12			P14			P15			P16			P17		
				U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B
51	BACILLARIOPHY	<i>Coscinodiscus granii</i>																									
52		<i>Coscinodiscus japonicus</i>		590		203																					
53		<i>Coscinodiscus lineatus</i>																									
54		<i>Coscinodiscus nitidus</i>																									
55		<i>Coscinodiscus radiatus</i>																									
56		<i>Coscinodiscus sp.</i>		197		203	197	393	380	94	185	194	377	555													
57		<i>Cyclotella sp.</i>		984	1450	814	1180	785		374	46	1070	1130	2770	592	1480	396	1510	1710					248	381	313	
58		<i>Cymatopleura sp.</i>																									
59		<i>Cymbella lata</i>																									
60		<i>Cymbella sp.</i>																									
61		<i>Dactylosolen mediterraneus</i>				203						194															
62		<i>Diploneis splendida</i>																									
63		<i>Ditylum brightwellii</i>				545							188														
64		<i>Ditylum sol</i>									185	97	188		197												
65		<i>Eucampia cornuta</i>																									
66		<i>Eucampia zoodiacus</i>																									
67		<i>Fragilaria virescens</i>																									
68		<i>Fragilaria sp.</i>		590	545	203	394	393	380	92	389	753	1110	395	493	754	976										
69		<i>Grannatophora undulata</i>																									
70		<i>Gyrosigma sp.</i>																									
71		<i>Hemicaulus haackii</i>																									
72		<i>Hemicaulus membranaceus</i>																									
73		<i>Hemicaulus sinensis</i>				909	407																				
74		<i>Lauderia borealis</i>																									
75		<i>Leptocylindrus danicus</i>																									
76		<i>Licmophora abbreviata</i>																									
77		<i>Melosira granulata</i>																									
78		<i>Melosira granulata v. angustissima</i>																									
79		<i>Melosira moniliformis</i>																									
80		<i>Melosira sulcata</i>																									
81		<i>Melosira varians</i>																									
82		<i>Navicula sp.</i>																									
83		<i>Nitzschia closterium</i>																									
84		<i>Nitzschia delicatissima</i>																									
85		<i>Nitzschia longissima</i>																									
86		<i>Nitzschia longissima f. reversa</i>																									
87		<i>Nitzschia lorentiana</i>																									
88		<i>Nitzschia paradoxa</i>																									
89		<i>Nitzschia pungens</i>																									
90		<i>Nitzschia sp.</i>																									
91		<i>Phaeodactylum tricoratum</i>																									
92		<i>Pinnularia sp.</i>																									
93		<i>Pleurosigma affine</i>																									
94		<i>Pleurosigma sp.</i>																									
95		<i>Rhizosolenia calcar-avis</i>																									
96		<i>Rhizosolenia crassispina</i>																									
97		<i>Rhizosolenia delicatula</i>																									
98		<i>Rhizosolenia fragitissima</i>																									
99		<i>Rhizosolenia hebetata f. semispina</i>																									
100		<i>Rhizosolenia robusta</i>																									

Remark: * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary : Dry season —6

Unit: cells/L

No.	DIVISION	Species name	Stn. Layer		P09		P10		P11		P12		P14		P15		P16		P17	
			U	M	B	U	B	M	B	U	M	B	U	M	B	U	M	B	U	M
101	BACILLARIOPHYA	<i>Rhizosolenia stouterforthii</i>	182							738		565						4550		
102		<i>Rhizosolenia styliformis</i>								92	194							284	1160	190
103		<i>Rhizosolenia styliformis v. longispina</i>								281								284	2910	1720
104		<i>Skeletonema costatum</i>	590	363	7530	20900	10600	8750	1680	2950	4330	1940	18000	1190				23300	20000	26600
105		<i>Stauroneis sp.</i>																		
106		<i>Sicchanopyxis palmeriana</i>																		
107		<i>Surirella sp.</i>	394																	
108		<i>Synedra sp.</i>	394											197	247				497	381
109		<i>Tabellaria sp.</i>																		
110		<i>Thalassionema nitzschoides</i>	1380	363	814					187	1200	377	10800					284	291	
111		<i>Thalassionema nordenskiöldi</i>																		
112		<i>Thalassiosira condensata</i>			610		1370	951	1030	1480								3130		7730
113		<i>Thalassiosira gravida</i>					2760	3140												
114		<i>Thalassiosira hyalina</i>																		
115		<i>Thalassiosira rotula</i>	1180	2540	1830	20100	23900	1140	374	369				986			1990	4360	8020	
116		<i>Thalassiosira subtilis</i>																		
117		<i>Thalassiosira sp.</i>	787		407		2360	761	468	92	972	1320	1390	197	247	990	1510	1220	1140	2240
118		<i>Thalassiothrix frauenfeldii</i>																		
119		<i>Thalassiothrix mediterranea</i>																		
120	RAPHIDOPHYTA	<i>Gonyostomum sp.</i>																		
121	EUGLENOPHYTA	<i>Euglena acus</i>																		
122		<i>Euglena sp.</i>					1570	1180												291
123		<i>Actinocyclus hookeri</i>																		
124	CHLOROPHYTA	<i>Actinocyclus hookeri</i>																		
125		<i>Ankistrodesmus falcatus v. acicularis</i>																		
126		<i>Crucigenia quadrata</i>									97	188				198				
127		<i>Crucigenia tetrapedia</i>																		
128		<i>Dactylococcopsis irregularis</i>																		
129		<i>Dunaliella sp.</i>																		
130		<i>Pediastrum clathratum</i>																		
131		<i>Pediastrum simplex v. duodenarium</i>																		
132		<i>Polytoma sp.</i>																		
133		<i>Scenedesmus acuminatus</i>																		
134		<i>Scenedesmus denticulatus v. linearis</i>																		
135		<i>Scenedesmus quadricauda</i>																		
136		Chlorophyceae					1570	393												
137	Unknown	Micro-flagellates	787	727	203		1370	190	94	92	377	277	732	197	740	396	251		994	571
																				1580

Remark: * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary: Dry season -7

Unit: cells/L

No.	DIVISION	Species name	Stn. Layer	P18			P19			P20			P21			P22			P23			P24			P25			P27								
				U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B						
1	CYANOPHYTA	<i>Lyngbya</i> sp.																																		
2		<i>Rhichia intracellularis</i>																																		
3		<i>Trichodesmium thiebautii</i>																																		
4		Cyanophyceae				869			342																											
5	DINOPHYTA	<i>Alcandrium</i> sp.																																		
6		<i>Ceratium furca</i>																																		
7		<i>Ceratium hirundinella</i>																																		
8		<i>Ceratium tripos</i>																																		
9		<i>Dinophysis caudata</i>																																		
10		<i>Peridinium</i> sp.																																		
11		<i>Prorocentrum micans</i>																																		
12		<i>Protoperidinium depressum</i>																																		
13		<i>Protoperidinium</i> sp.				404			417																											
14	HAPTOPHYTA	<i>Coccolithophorid</i>																																		
15	CHRYSOPHYTA	<i>Dicrvochia fibula</i>				217																														
16		<i>Distaplia speculum v. octonarium</i>																																		
17	BACILLARIOPHY	<i>Actinanthes</i> sp.																																		
18		<i>Actinopychus annularis</i>																																		
19		<i>Amphiprova alata</i>																																		
20		<i>Amphora</i> sp.																																		
21		<i>Asteromphalus</i> sp.				209																														
22		<i>Attheya zachvatkini</i>																																		
23		<i>Bacteriosira hyalinum</i>																																		
24		<i>Bacteriosira varians</i>																																		
25		<i>Biddulphia mobilensis</i>																																		
26		<i>Biddulphia sinensis</i>																																		
27		<i>Campylodiscus</i> sp.																																		
28		<i>Ceratulinia bergonii</i>				404			2290		1520		2140		2300		1030																			
29		<i>Ceratulinia compacta</i>																																		
30		<i>Chaetoceros affinis</i>				2020											3760																			
31		<i>Chaetoceros castracanei</i>																																		
32		<i>Chaetoceros compressus</i>							417		2390																									
33		<i>Chaetoceros curvisetus</i>				30700			62800		50400		713		71000		59200		86000		90900		169000													
34		<i>Chaetoceros debilis</i>															4110																			
35		<i>Chaetoceros diadymus</i>																																		
36		<i>Chaetoceros lauderi</i>							2710								1430		9960		7190		1370		1220											
37		<i>Chaetoceros torenzianus</i>				2830			2290		1520		1430		1150		5130		3670		2450															
38		<i>Chaetoceros muelleri</i>																																		
39		<i>Chaetoceros nipponica</i>																																		
40		<i>Chaetoceros paradoxus</i>																																		
41		<i>Chaetoceros pseudocurvisetus</i>				3230			12500		11100		1780		59000		30500		20000		51100		53200													
42		<i>Chaetoceros rostratus</i>															574		684		1100		1050		917											
43		<i>Chaetoceros socialis</i>				24400			11300		21100		1070		14600		20500		13400		22500		13800													
44		<i>Chaetoceros subtilis</i>																																		
45		<i>Chaetoceros fortissimus</i>																																		
46		<i>Chaetoceros</i> sp.																																		
47		<i>Cinnacodium bicancavum</i>																																		
48		<i>Cocconeis</i> sp.																																		
49		<i>Corethron hyarix</i>																																		
50		<i>Coscinodiscus bipartitus</i>																																		

Remark : * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary: Dry season - 8

Unit: cells/L

No.	DIVISION	Species name	Sin. Layer	P18			P19			P20			P21			P22			P23			P24			P25			P27						
				U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B				
51	BACILLARIOPHY	<i>Coscinodiscus granii</i>						191																										
52		<i>Coscinodiscus jonesianus</i>		404		217		178		274	262	306				507	481									190	190		1170	875				
53		<i>Coscinodiscus linearis</i>																																
54		<i>Coscinodiscus nitidus</i>																																
55		<i>Coscinodiscus radiatus</i>				217								281														379	389	437				
56		<i>Coscinodiscus sp.</i>		202	209	217				306	444	1070	563	481	507	481	192				196	784	747			290	759	779	437					
57		<i>Cyclotella sp.</i>																												759	389	1750		
58		<i>Cymatopleura sp.</i>																																
59		<i>Cymbella lata</i>																																
60		<i>Cymbella sp.</i>											281																					
61		<i>Dactylosolen mediterraneus</i>		605	209	652		1430	383	1050								2160																
62		<i>Diploneis splendida</i>																																
63		<i>Ditylum brightwellii</i>			417				191	274	1310				507	481				619														
64		<i>Ditylum sol.</i>		202				357	191	274	262	306			507					309						190			389					
65		<i>Eucampia cornuta</i>						383																										
66		<i>Eucampia zooidiacus</i>		1610	1460				3260			2750			2540	2880	11500	2500																
67		<i>Fragilaria virescens</i>																																
68		<i>Fragilaria sp.</i>				217		357						444	535	281					196	1120								381	190	379	389	875
69		<i>Grammatophora undulata</i>															14400	385														952		
70		<i>Gyrodigma sp.</i>														481										190	190							
71		<i>Hemicaulis hauckii</i>																																
72		<i>Hemicaulis membranaceus</i>								342																								
73		<i>Hemicaulis sinensis</i>		605	834	1300		957		1640	1310	2450			3550	3370	2880	1920	3010	6810						2320						1330		
74		<i>Lauderia borealis</i>				1740				274	3140	7950			9890	3850	8650	1540	14500															
75		<i>Lepocylindrus danicus</i>								2460					1520		1440	2500	4100	5260														
76		<i>Licmophora abbreviata</i>																																
77		<i>Melosira granulata</i>						178																										
78		<i>Melosira granulata v. angustissima</i>																																
79		<i>Melosira moniliformis</i>															1920	10800																
80		<i>Melosira sulcata</i>																																
81		<i>Melosira varians</i>																									4190							
82		<i>Navicula sp.</i>		404	209	217				342		306	222		507	481																		
83		<i>Nitzschia closterium</i>																																
84		<i>Nitzschia delicatissima</i>		202		1300		713	1340	684	3560	1050																						
85		<i>Nitzschia longissima</i>						178																										
86		<i>Nitzschia longissima f. reversa</i>																																
87		<i>Nitzschia lorenzana</i>																																
88		<i>Nitzschia paratoxa</i>																																
89		<i>Nitzschia pungens</i>			2710	2610		2680	2400			2620	4590		2030	8650	7930	769	5740	2480						196	374	1450	571	952	379			
90		<i>Nitzschia sp.</i>																																
91		<i>Phaeodactylum tricornutum</i>				217		191				548			254																			
92		<i>Pinnularia sp.</i>							222																									
93		<i>Pleurosigma affine</i>																																
94		<i>Pleurosigma sp.</i>				217				274	262				507		721	385								196	747	290	381	571				
95		<i>Rhizosolenia calcar-avis</i>													254																			
96		<i>Rhizosolenia crassispina</i>																																
97		<i>Rhizosolenia delicatula</i>		605	1250	1520		713	383	342	3830	3140	612		6090	5290	5770	3080	1640	1240														
98		<i>Rhizosolenia fragilissima</i>						1720						3300	1920	5050	385	547	619															
99		<i>Rhizosolenia trebetata f. semispina</i>				652		766				524			962	1440	577																	
100		<i>Rhizosolenia robusta</i>										917																						

Remark: * Show qualitative analysis

Table Species and cell number of Phytoplankton in Pearl River Estuary: Dry season -9

Unit: cells/L

No.	DIVISION	Species name	Str. Layer	P18			P19			P20			P21			P22			P23			P24			P25			P27											
				U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B	U	M	B									
101	BACILLARIOPHYTA	<i>Rhizosolenia strollerforhii</i>																																					
102		<i>Rhizosolenia styliformis</i>			626	435																																	
103		<i>Rhizosolenia styliformis v. longispina</i>		807	1040	435		383																															
104		<i>Skeletonema costatum</i>		6460	11100	8910	34100	4400	9920	9860	9950	1530	888	535	2810	2280	1920	7210	769	820	3710	#####	2990																
105		<i>Sauroneta sp.</i>																																					
106		<i>Stephanodiscus palmeriana</i>																																					
107		<i>Surirella sp.</i>																																					
108		<i>Synechella sp.</i>																																					
109		<i>Tabellaria sp.</i>																																					
110		<i>Thalassionema nitzschioides</i>																																					
111		<i>Thalassionema nordenskioldii</i>		1210																																			
112		<i>Thalassiosira condensata</i>		2420	6260	1960		1340		3010	786	2450																											
113		<i>Thalassiosira gravida</i>																																					
114		<i>Thalassiosira hyalina</i>																																					
115		<i>Thalassiosira rotula</i>		202	5420	1960		7470	4450		3670	7030																											
116		<i>Thalassiosira subtilis</i>																																					
117		<i>Thalassiosira sp.</i>		404																																			
118		<i>Thalassiothrix frauenfeldii</i>		202																																			
119		<i>Thalassiothrix mediterranea</i>																																					
120	RAPHIDOPHYTA	<i>Gonostomum sp.</i>																																					
121	EUGLENOPHYTA	<i>Euglena acis</i>																																					
122		<i>Euglena sp.</i>																																					
123	CHLOROPHYTA	<i>Acridium Hookeri</i>																																					
124		<i>Actinastrum Hanszeii</i>																																					
125		<i>Ankistrodesmus falcatus v. acicularis</i>																																					
126		<i>Crucigenia quadrata</i>																																					
127		<i>Crucigenia tetrapedia</i>																																					
128		<i>Dactylococcopsis irregularis</i>																																					
129		<i>Dunaliella sp.</i>																																					
130		<i>Pediastrum clathratum</i>																																					
131		<i>Pediastrum simplex v. duodenarium</i>																																					
132		<i>Polytoma sp.</i>																																					
133		<i>Scenedesmus acuminatus</i>																																					
134		<i>Scenedesmus denticulatus v. linearis</i>																																					
135		<i>Scenedesmus quadricauda</i>																																					
136		Chlorophyceae																																					
137	Unknown	Micro-flagellates		605	834	869		191	342			306	444	267	281	481																							

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 1

Unit : ind/m³

No.	PHYLUM	Species name	Sin. No.	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	
1	CILIOPHORA	<i>Tintinnopsis sp.</i>		4.19	5.45	10.00	5.71	33.33	17.18	12.00	21.21	4.54	70.00	
2		<i>Favella sp.</i>		1.80	1.82	6.67	4.29	22.22	6.25	6.00	9.09	1.95	20.00	
3	CNIDARIA	<i>Eutima sp.</i>												
4		<i>Eirene hexanemalis</i>												
5		<i>Eirene menoni</i>			3.63							12.12		
6		<i>Eirene sp.</i>			0.91					1.56		3.03	1.30	
7		<i>Obelia sp.</i>												
8		<i>Clytica sp.</i>			5.45				8.33	9.37	8.00	9.09	5.19	
9		<i>Malayazzia condensum</i>							2.78				0.65	
10		<i>Malayazzia caroliniae</i>												
11		<i>Ectoplaura minerva</i>												
12		<i>Liriope tetraphylla</i>												
13		<i>Aglaura hemistoma</i>			0.91				2.78					20.00
14		<i>Solmundella bitenaculata</i>							8.33				0.65	
15		<i>Tiaropsis multicirrata</i>												
16		<i>Eucheilota menoni</i>												
17		<i>Leptomedusae</i>			1.19	1.82	3.33		5.56	10.93	4.00	6.06		10.00
18	<i>Diphyes charissonis</i>				4.54			25.00	1.56	4.00	6.06	3.25		
19	<i>Lensia subtiloides</i>								1.56					
20	<i>Anthomedusae</i>			1.80				2.78			3.03			
21	<i>Physophora hydrostatica</i>													
22	CTENOPHORA	<i>Pleurobrachia globosa</i>			4.54			11.11	20.31		6.06	7.14		
23		<i>Ctenophora</i>												
24	MOLLUSCA	<i>Atlanta sp.</i>							6.25				30.00	
25		<i>Oxygyrus keraudreni</i>												
26		<i>Creseis acicula</i>												
27	<i>Desmopterus papilio</i>										9.09			
28	ANNELIDA	<i>Polychaeta larvae</i>		1.80	2.73	10.00	8.57	11.11	4.69	2.00	6.06	7.79		
29		<i>Penilia avirostris</i>					47.14							
30	ARTHROPODA	<i>Evadne tergestina</i>					17.14							
31		<i>Podon polyphemoides</i>				43.33	1776.71							
32		<i>Podon schmackeri</i>				126.67	1940.00							
33		<i>Cypridina inermis</i>									21.21	4.54		
34		<i>Cypridina accuminata</i>			3.60					3.12		9.09	2.60	
35		<i>Conchoecia magna</i>												

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary – Dry season 2

Unit : ind/m³

No.	PHYLUM	Species name	Stn. No.	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	
36	ARTHROPODA	<i>Conchoecia acuminata</i>												
37		<i>Euconchoecia aculeata</i>	1.80					4.69				1.95		
38		<i>Halocypris globosa</i>										2.60		
39		<i>Canthocalanus pauper</i>		9.09				27.78				6.06	38.94	
40		<i>Neocalanus gracilis</i>						27.78						
41		<i>Undinula vulgaris</i>												
42		<i>Eucalanus subcrassus</i>							15.62			12.12	25.96	
43		<i>Acrocalanus gibber</i>										6.06	6.49	
44		<i>Acrocalanus gracilis</i>		27.26					27.78	46.86		9.09	38.94	10.00
45		<i>Paracalanus aculeatus</i>		54.51	6.67			55.55	281.16			712.05	960.52	20.00
46		<i>Paracalanus crassirostris</i>	1203.12	1680.86	620.00	24.29	5693.88	3889.38			3656.00	1136.25	1408.33	150.00
47		<i>Paracalanus nanus</i>									14.00			
48		<i>Paracalanus parvus</i>		27.26	13.33	4.29	111.10	109.34			64.00	81.81	402.38	30.00
49		<i>Paracalanus serrulus</i>		36.34										
50		<i>Euchaeta concinna</i>	5.98	9.09										
51		<i>Scolecithricella longispinosa</i>												
52		<i>Temora turbinata</i>											110.33	10.00
53		<i>Centropages furcatus</i>												
54		<i>Centropages tenuiremis</i>												
55		<i>Sinocalanus laevidactylus</i>			10.00	17.14	27.78							
56	<i>Sinocalanus sp.</i>				1.43									
57	<i>Schmackeria inopinus</i>	341.19	9.09	6.67	27.14					4.00				
58	<i>Schmackeria poplesia</i>	1119.32		10.00	1285.71					164.00				
59	<i>Candacia bradyi</i>													
60	<i>Calanopia elliptica</i>								15.62					
61	<i>Labidocera bipinnata</i>													
62	<i>Labidocera euchaeta</i>													
63	<i>Pontellopsis tenuicauda</i>											6.49		
64	<i>Acartia clausi</i>			3.33										
65	<i>Acartia spinicauda</i>		145.37					1194.33	218.68		6.06	90.86		
66	<i>Acartia sinensis</i>	514.77	590.57	226.67	3542.86			222.20	15.62	2430.00	6.06			
67	<i>Tortanus dextrilobatus</i>	11.97	9.09							198.00				
68	<i>Oithona attenuata</i>		72.69					333.30			127.26	136.29		
69	<i>Oithona brevicornis</i>	5.98	163.54	40.00	1.43	1527.63	546.70				475.71	759.33	120.00	
70	<i>Oithona nana</i>		36.34					527.73	15.62		90.90	298.54		

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 3

No.	PHYLUM	Species name	Stn. No.	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10
71	ARTHROPODA	<i>Oithona rigida</i>		9.09					46.86			19.47	
72		<i>Oithona similis</i>		36.34	10.00			111.10	124.96		24.24	149.27	20.00
73		<i>Oithona simplex</i>		18.17	6.67			388.85	62.48		157.56	214.17	
74		<i>Oithona sp.</i>	185.56			8.57				38.00			
75		<i>Oncaea conifera</i>											10.00
76		<i>Oncaea dentipes</i>											
77		<i>Oncaea media</i>											
78		<i>Oncaea mediterranea</i>											
79		<i>Oncaea minuta</i>											
80		<i>Corycaeus affinis</i>						55.55			3.03	77.88	
81		<i>Corycaeus andrewsi</i>									9.09	58.41	
82		<i>Corycaeus dahli</i>									6.06	25.96	20.00
83		<i>Corycaeus giesbrechti</i>									3.03	12.98	
84		<i>Corycaeus lubbocki</i>											
85		<i>Corycaeus rostratus</i>											
86		<i>Corycaeus subitilis</i>										12.98	
87		<i>Corycaeus subrewsi</i>											
88		<i>Corycaeus sp.</i>											
89		<i>Microsetella norvegica</i>		27.26	3.33						6.06	149.27	30.00
90		<i>Microsetella rosea</i>										6.49	
91		<i>Euterpina acutifrons</i>			3.33	1.43		55.55	15.62		6.06	51.92	30.00
92		<i>Clytemnestra scutellata</i>											
93		<i>Macrosetella gracilis</i>											
94		Copepoda sp.1			30.00	37.14							
95		Copepoda sp.2			10.00	1.43							
96		Copepoda sp.3			6.67								
97		Copepoda sp.		27.26						2.00	9.09		20.00
98		Copepoda larvae	1783.75	2898.34	716.67	2300.00	21720.05	734.14	4122.00	4757.10	5295.84	990.00	
99		Mysidacea larvae											
100		<i>Lycaea vincentii</i>											
101		<i>Lycaea pulex</i>											
102		<i>Lestrignonus bengalensis</i>											
103		<i>Euphausia pacifica</i>											
104		<i>Pseudeuphausia latifrons</i>	9.58	0.91				11.11		2.00		1.95	
105		Euphausiacea	4.19	1.82				16.67		2.00		2.60	

Unit : ind/m³

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 4

Unit : ind/m³

No.	PHYLUM	Species name	Sin. No.	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	
106	ARTHROPODA	<i>Lucifer hansenii</i>												
107		<i>Lucifer sp.</i>										1.95		
108		Brachyura larvae	2.40	1.82	6.67	2.86	11.11	3.12	12.00	6.06	4.54			
109		Macrura larvae	1.80	3.63	10.00	10.00	8.33	4.69	4.00	12.12	7.14			
110	CHAETOGNATHA	<i>Sagitta bedoti</i>						5.56	7.81			4.54		
111		<i>Sagitta enflata</i>										7.14	10.00	
112		<i>Sagitta ferox</i>												
113		<i>Sagitta naga</i>		13.63				4.69				18.18	2.60	
114		<i>Sagitta neglecta</i>												
115		<i>Sagitta regularis</i>												
116		Chaetognath larvae		2.73	3.33			25.00	98.41		27.27	37.64		
117	PROTOCHORDATA	<i>Oikopleura albicans</i>		25.44				91.66	56.23		93.93	14.28	290.00	
118		<i>Oikopleura fusiformis</i>												
119		<i>Oikopleura intermedia</i>		15.45				38.89	26.55				13.63	
120		<i>Oikopleura longicauda</i>		24.53				88.88	34.36			87.87	17.52	260.00
121		<i>Oikopleura megastoma</i>												
122		<i>Oikopleura parva</i>		26.35	10.00			94.44	60.92			66.66	24.66	
123		<i>Oikopleura rufescens</i>		32.71	3.33			122.21	64.04	4.00	4.00	115.14	29.85	310.00
124		<i>Fritillaria formica</i>		11.81				58.33	10.93			21.21	14.93	
125		<i>Althoffia tumida</i>							26.55			36.36	12.98	
126		<i>Doliolita gegenbauri</i>												40.00
127		<i>Doliolum denticulatum</i>												
128		<i>Doliolina obscur</i>												
129	VERTEBRATA	Fish egg	1.80	1.82		4.29		11.11	1.56	6.00	12.12	3.89	20.00	
130		Fish larvae	1.19	0.91		1.43		5.56			3.03	1.95		

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 5

No.	PHYLUM	Species name	Stn. No.	P11	P12	P14	P15	P16	P17	P18	P19	P20	P21	P22	
1	CILIOPHORA	<i>Tintinnopsis</i> sp.		22.21	3.57		12.24	12.89		6.62	61.91	5.61	5.55	20.24	
2		<i>Favella</i> sp.		16.68	2.47		6.12	9.67		4.41	33.34	3.06	22.22	10.72	
3	CNIDARIA	<i>Eutima</i> sp.													
4		<i>Eirene hexanemalis</i>													
5		<i>Eirene menoni</i>		11.12							2.21		0.51		
6		<i>Eirene</i> sp.			0.27										
7		<i>Obelia</i> sp.													
8		<i>Clyticia</i> sp.		5.56	1.92				1.61		1.47	4.76	0.51		1.19
9		<i>Malayaztia condensum</i>				5.00									
10	<i>Malayaztia carolinae</i>				5.00	2.04									
11	<i>Ectopleura minerva</i>		38.89	0.27						0.74	14.29	0.51			
12	<i>Liriope tetraphylla</i>		5.56					1.61		2.21	14.29	3.57		3.58	
13	<i>Aglaura hemistoma</i>		22.24	0.55						2.94		2.55	2.78	5.96	
14	<i>Solmundella bitentaculata</i>														
15	<i>Tiaropsis multicirrata</i>													1.19	
16	<i>Eucheilota menoni</i>			0.27											
17	<i>Leptomedusae</i>			0.55	10.00		6.12		2.38	0.74		0.51	2.78	2.38	
18	<i>Diphyes chamissonis</i>		50.01			4.08		8.87		19.12	23.81	9.69	11.12	16.68	
19	<i>Lenzia subtiloides</i>		5.56	0.55						9.56	4.76	1.53			
20	<i>Anthomedusae</i>														
21	<i>Physophora hydrostatica</i>		5.56												
22	CTENOPHORA	<i>Pleurobrachia globosa</i>		4.94		25.00	6.12	1.61				2.55	2.78	2.38	
23		<i>Ctenophora</i>													
24	MOLLUSCA	<i>Atlanta</i> sp.					4.08		7.14		38.10			9.52	
25		<i>Oxygyrus kerandreni</i>									57.15			8.33	
26		<i>Creseis acicula</i>					53.04							16.68	
27	<i>Desmopterus papilio</i>														
28	ANNELIDA	<i>Polychaeta</i> larvae	61.10	10.43	20.00	26.52		29.02	4.76	23.53	90.49	16.83	36.12	55.98	
29	ARTHOPODA	<i>Penilia avirostris</i>													
30		<i>Evadne tergestina</i>													
31		<i>Podon polyphemoides</i>													
32		<i>Podon schmackeri</i>													
33		<i>Cypridina inermis</i>		38.89	3.29				7.26				7.14		10.72
34		<i>Cypridina accuminata</i>		22.21	1.10				3.23				2.55		
35		<i>Conchoecia magna</i>												5.55	

Unit : ind/m³

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 6

Unit : ind/m³

No.	PHYLUM	Species name	Stn. No.	P11	P12	P14	P15	P16	P17	P18	P19	P20	P21	P22
36	ARTHROPODA	<i>Conchoecia acuminata</i>		50.01	1.10			4.03		16.18		7.14		4.77
37		<i>Euconchoecia aculeata</i>			0.82			2.42		6.62		1.53		8.33
38		<i>Halocypris globosa</i>			0.27									
39		<i>Canthocalanus pauper</i>		27.77	2.74		40.80	8.06	7.14	125.03		51.00	8.34	11.91
40		<i>Neocalanus gracilis</i>												
41		<i>Undinula vulgaris</i>		27.77										
42		<i>Eucalanus subcrassus</i>		55.54	5.49		285.60	32.24	2.38	36.77	71.44	10.20	5.55	23.82
43		<i>Acrocalanus gibber</i>										5.10		
44		<i>Acrocalanus gracilis</i>			10.98	15.00	61.20	16.12		29.42	23.81	20.40	5.55	11.91
45		<i>Paracalanus aculeatus</i>		694.43	348.54	85.00	2917.20	1313.92	30.94	1036.99	428.63	1030.20	864.06	1236.63
46		<i>Paracalanus crassirostris</i>		1583.28	419.90	740.00	5671.20	1225.25	114.24	603.07	595.31	214.20	764.04	547.82
47		<i>Paracalanus nanus</i>											2.78	
48		<i>Paracalanus parvus</i>		333.33	150.94	30.00	571.20	290.19	61.88	382.44	190.50	617.10	155.58	690.72
49		<i>Paracalanus serrulus</i>												
50		<i>Euchaeta concinna</i>		27.77	2.74		122.40	8.06	2.38	8.02		20.40	5.55	
51		<i>Scolecithricella longispinosa</i>					20.40							
52		<i>Temora turbinata</i>		27.77				32.24		14.71		5.10		71.46
53		<i>Centropages furcatus</i>						8.06				10.20		
54		<i>Centropages tenuiremis</i>							2.38					
55		<i>Sinocalanus laeyidactylus</i>												
56		<i>Sinocalanus sp.</i>												
57		<i>Schmackeria inopinus</i>				5.00								
58		<i>Schmackeria poplesia</i>				15.00			4.76					
59		<i>Candacia bradyi</i>			2.74						23.81			
60		<i>Calanopia elliptica</i>			5.49									
61		<i>Labidocera bipinnata</i>			2.74									
62		<i>Labidocera euchaeta</i>				5.00								
63		<i>Pontellopsis tenuicauda</i>										5.10		
64		<i>Acartia clausi</i>				10.00								
65		<i>Acartia spinicauda</i>			13.72	305.00		16.12		22.06		81.60		95.28
66		<i>Acartiella sinensis</i>				125.00			11.90					
67		<i>Tortanus dextrilobatus</i>												
68		<i>Oithona attenuata</i>		111.11	13.72		938.40	96.73	2.38	66.19	23.81	71.40	11.12	35.72
69		<i>Oithona brevicornis</i>		694.43	216.81	30.00	4039.20	548.14	21.42	345.66	833.44	418.20	11.12	452.54
70		<i>Oithona nana</i>		194.45	16.47		1183.20	177.34		169.15	142.88	224.40	11.12	47.63

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 7

No.	PHYLUM	Species name	Stn. No.	P11	P12	P14	P15	P16	P17	P18	P19	P20	P21	P22
71	ARTHROPODA	<i>Oithona rigida</i>		83.34	35.68	20.00		64.49			47.63	71.40		
72		<i>Oithona similis</i>		194.45	8.23	10.00	265.20	48.36		44.13		61.20	11.12	35.72
73		<i>Oithona simplex</i>			43.91		2692.80	193.46	64.26	80.90	261.94	71.40	400.08	35.72
74		<i>Oithona sp.</i>												
75		<i>Oncaea confifera</i>								8.02	23.81	40.80		
76		<i>Oncaea dentipes</i>										40.80		
77		<i>Oncaea media</i>												23.82
78		<i>Oncaea mediterranea</i>								14.71				59.54
79		<i>Oncaea minuta</i>												35.72
80		<i>Corycaeus affinis</i>		166.65	5.49	40.80		32.24			71.44	40.80		154.82
81		<i>Corycaeus andrewsi</i>						48.36		51.48	71.44	40.80		107.18
82		<i>Corycaeus dahl</i>		138.88	2.74						23.81	40.80		47.63
83		<i>Corycaeus giesbrechti</i>								66.19				35.72
84		<i>Corycaeus lubbocki</i>						16.12						47.63
85		<i>Corycaeus rostratus</i>										51.00		59.54
86		<i>Corycaeus subtilis</i>						48.36		8.02		30.60		71.46
87		<i>Corycaeus subrewsi</i>		27.77										
88		<i>Corycaeus sp.</i>						32.24						23.82
89		<i>Microsetella norvegica</i>		499.98	24.70	10.00	40.80		4.76	66.19	95.25	591.60	2.78	869.37
90		<i>Microsetella rosea</i>			10.98							112.20		35.72
91		<i>Euterpina acutifrons</i>		111.11	8.23		20.40	48.36			190.50	20.40		83.37
92		<i>Clytemnestra scutellata</i>										10.20		
93		<i>Macrosetella gracilis</i>												23.82
94		Copepoda sp.1			2.74	10.00	20.40		2.38					
95		Copepoda sp.2			2.74	20.00	40.80		4.76					
96		Copepoda sp.3			2.74									
97		Copepoda sp.		27.77										
98		Copepoda larvae		7333.11	1007.21	1080.00	6915.60	5819.95	307.02	3552.25	3500.44	4243.20	2111.54	7788.54
99		Mysidacea larvae								3.68		1.53		
100		<i>Lycaca vincentii</i>												
101		<i>Lycaca pullex</i>												
102		<i>Lestrignonus bengalensis</i>												
103		<i>Euphausia pacifica</i>			0.27									
104		<i>Pseudeuphausia latifrons</i>			0.55	4.08		1.61		4.41		2.55	8.34	2.38
105		Euphausiacea			1.65	8.16		4.03		12.50		2.55		7.14

Unit : ind/m³

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 8

No.	PHYLUM	Species name	Sin. No.	P11	P12	P14	P15	P16	P17	P18	P19	P20	P21	P22	
106	ARTHROPODA	<i>Lucifer hansenii</i>			1.37							3.06		9.52	
107		<i>Lucifer sp.</i>			2.20							7.14		4.77	
108		Brachyura larvae		16.68	3.29	25.00	8.16	12.89			20.59	19.05	2.04	8.34	7.14
109		Macrura larvae		27.77	2.20	10.00	10.20	15.31	4.76	5.88	14.29	14.29	3.57	13.89	10.72
110		CHAETOGNATHA	<i>Sagitta bedoti</i>		5.56										
111			<i>Sagitta enflata</i>		11.12			12.24	4.03	2.38	2.94	14.29	2.04	2.78	2.38
112			<i>Sagitta ferox</i>		5.56										
113			<i>Sagitta nagae</i>												
114			<i>Sagitta neglecta</i>				15.00								
115	<i>Sagitta regularis</i>							1.61					1.53		2.38
116	PROTOCHORDATA	Chaetognatha larvae		55.54	10.43	5.00	2.04	12.89		5.15		3.57	2.78	14.29	
117		<i>Oikopleura albicans</i>		161.12	11.80	35.00	42.84	26.60	33.32	20.59	204.79	38.76	41.68	52.40	
118		<i>Oikopleura fusiformis</i>													
119		<i>Oikopleura intermedia</i>			8.78	60.00	28.56	17.73		27.95			35.70		34.53
120		<i>Oikopleura longicauda</i>		161.12	11.53	120.00	69.36	26.60	52.36	34.57	157.16		73.95	47.23	45.26
121		<i>Oikopleura megastoma</i>													
122		<i>Oikopleura parva</i>		144.44	10.70	125.00	26.52	47.56	66.64	19.86	180.98		34.17	11.12	
123		<i>Oikopleura rufescens</i>		183.33	18.94	85.00	55.08	22.57	85.68	21.33	271.46		53.04	36.12	69.08
124		<i>Fritillaria formica</i>		38.89		30.00	16.32	25.80				38.10	25.50	8.34	14.29
125		<i>Althoffia tumida</i>		94.43				23.38	45.22				28.56	11.12	26.20
126	DOLIOLIDA	<i>Doliolletta gegenbauri</i>			4.94			21.77		16.92		11.22		32.16	
127		<i>Doliolum denticulatum</i>			0.82			5.65		5.88		2.04		9.52	
128		<i>Doliolina obscur</i>						3.23							
129		VERTEBRATA	Fish egg		22.21	1.37	10.00	10.20	4.84	2.38	2.94	52.39	2.55		9.52
130	Fish larvae				1.10	5.00	6.12	2.42	1.47	9.53	1.02	1.02		3.58	

Unit : ind/m³

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 9

Unit : ind/m³

No.	PHYLUM	Species name	Sin. No.	P23	P24	P25	P27
1	CILIOPHORA	<i>Tintinnopsis</i> sp.		9.91		11.58	
2		<i>Favella</i> sp.		7.43		9.09	
3	CNIDARIA	<i>Eutima</i> sp.				0.83	
4		<i>Eirene hexanemalis</i>				1.65	
5		<i>Eirene menoni</i>		1.65			5.55
6		<i>Eirene</i> sp.					
7		<i>Obelia</i> sp.					
8		<i>Clytica</i> sp.			9.52	0.83	
9		<i>Malayazia condensum</i>					
10		<i>Malayazia carolinae</i>					
11		<i>Ectopleura minerva</i>					
12		<i>Liriope tetraphylla</i>		0.83		1.65	
13	<i>Aglaura hemistoma</i>		6.61		2.48		
14	<i>Solmundella bitentaculata</i>		2.48		5.83		
15	<i>Tiaropsis multicirrata</i>						
16	<i>Eucheilota menoni</i>						
17	<i>Leptomedusae</i>		0.83	19.05		8.34	
18	<i>Diphyes charissonis</i>		20.65	4.77	16.53		
19	<i>Lensia subtiloides</i>				4.96		
20	<i>Anthomedusae</i>				0.83	2.78	
21	<i>Physophora hydrostatica</i>						
22	CTENOPHORA	<i>Pleurobrachia globosa</i>		9.52			
23		<i>Ctenophora</i>				0.83	
24	MOLLUSCA	<i>Atlanta</i> sp.		38.11			
25		<i>Oxygyrus keraudreni</i>		14.29			
26		<i>Creseis acicula</i>					
27	<i>Desmopterus papilio</i>						
28	ANNELIDA	<i>Polychaeta</i> larvae		21.48	76.20	18.18	5.55
29	ARTHOPODA	<i>Penilia avirostris</i>					
30		<i>Evadne tergestina</i>					
31		<i>Podon polyphemoides</i>					
32		<i>Podon schmackeri</i>					
33		<i>Cypridina inermis</i>		23.95		14.05	
34		<i>Cypridina accuminata</i>				5.79	
35		<i>Conchoecia magna</i>					

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 10

Unit : ind/m³

No.	PHYLUM	Species name	Stn. No.	P23	P24	P25	P27
36	ARTHROPODA	<i>Conchoecia acuminata</i>		10.74			
37		<i>Euconchoecia aculeata</i>		15.69		5.79	
38		<i>Halocypris globosa</i>		2.48		2.48	
39		<i>Canthocalanus pauper</i>		8.26		41.34	
40		<i>Neocalanus gracilis</i>					
41		<i>Undinula vulgaris</i>					
42		<i>Eucalanus subcrassus</i>		8.26	100.02	33.06	25.01
43		<i>Acrocalanus gibber</i>					
44		<i>Acrocalanus gracilis</i>			14.29		8.34
45		<i>Paracalanus aculeatus</i>		396.48	2571.95	744.00	97.24
46		<i>Paracalanus crassirostris</i>		231.28	3705.51	24.80	100.02
47		<i>Paracalanus nanus</i>					
48		<i>Paracalanus parvus</i>		140.42	71.45	173.60	52.79
49		<i>Paracalanus serrulus</i>					
50		<i>Euchaeta concinna</i>		8.26	28.57	66.13	
51		<i>Scolecithricella longispinosa</i>		8.26		24.80	
52		<i>Temora turbinata</i>		8.26			
53		<i>Centropages furcatus</i>					
54		<i>Centropages tenuiremis</i>			4.77		
55		<i>Sinocalanus lacyidactylus</i>					
56		<i>Sinocalanus sp.</i>					
57		<i>Schmackeria inopinus</i>					
58		<i>Schmackeria poplesia</i>					
59		<i>Candacia bradyi</i>					
60		<i>Calanopia elliptica</i>		8.26			
61		<i>Labidocera bipinnata</i>					
62		<i>Labidocera euchaeta</i>					
63	<i>Pontellopsis tenuicauda</i>						
64	<i>Acartia clausi</i>						
65	<i>Acartia spinicauda</i>		24.78		8.27		
66	<i>Acartia sinensis</i>			42.86			
67	<i>Tortanus dextrilobatus</i>						
68	<i>Oithona attenuata</i>						
69	<i>Oithona brevicornis</i>		74.34	1819.41	90.93	33.34	
70	<i>Oithona nana</i>		90.86	19.05	49.60		

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 11

No.	PHYLUM	Species name	Sin. No.	P23	P24	P25	P27
71	ARTHROPODA	<i>Oithona rigida</i>					
72		<i>Oithona similis</i>	16.52	14.29	16.53	5.55	
73		<i>Oithona simplex</i>		90.50	16.53	72.23	
74		<i>Oithona sp.</i>					
75		<i>Oncaca conifera</i>	41.30		33.06	5.55	
76		<i>Oncaca dentipes</i>	33.04		16.53		
77		<i>Oncaca media</i>					
78		<i>Oncaca mediterranea</i>					
79		<i>Oncaca minuta</i>					
80		<i>Corycaeus affinis</i>	33.04		33.06		
81		<i>Corycaeus andrewsi</i>	16.52		24.80		
82		<i>Corycaeus dahl</i>					
83		<i>Corycaeus giesbrechti</i>					
84		<i>Corycaeus lubbocki</i>					
85		<i>Corycaeus rostratus</i>	8.26		8.27		
86	<i>Corycaeus subitilis</i>			24.80			
87	<i>Corycaeus subrewsi</i>						
88	<i>Corycaeus sp.</i>						
89	<i>Microsetella norvegica</i>	156.94		264.54	8.34		
90	<i>Microsetella rosea</i>						
91	<i>Euterpina acutifrons</i>	16.52		24.80			
92	<i>Clytemnestra scutellata</i>						
93	<i>Macrosetella gracilis</i>	8.26		8.27			
94	Copepoda sp.1				2.78		
95	Copepoda sp.2				2.78		
96	Copepoda sp.3						
97	Copepoda sp.						
98	Copepoda larvae	1379.42	8477.88	2537.87	394.53		
99	Mysidacea larvae						
100	<i>Lycaea vincentii</i>						
101	<i>Lycaea pullex</i>			1.65			
102	<i>Lestrignon bengalensis</i>			3.30			
103	<i>Euphausia pacifica</i>			6.61	8.34		
104	<i>Pseudeuphausia latifrons</i>	2.48		8.27			
105	Euphausiacea	7.43					

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

Table Species and individuals of Zooplankton in Pearl River Estuary—Dry season 12

No.	PHYLUM	Species name	Stn. No.	P23	P24	P25	P27
106	ARTHROPODA	<i>Lucifer hanseni</i>		3.30		7.44	
107		<i>Lucifer sp.</i>		7.43		6.61	
108		Brachyura larvae		3.30	19.05	7.44	13.89
109		Macrura larvae		5.78	28.57	6.61	8.34
110	CHAETOGNATHA	<i>Sagitta bedoti</i>				1.65	
111		<i>Sagitta enflata</i>		5.78	9.52	1.65	2.78
112		<i>Sagitta ferox</i>				0.83	
113		<i>Sagitta nageae</i>			19.05		
114		<i>Sagitta neglecta</i>					
115		<i>Sagitta regularis</i>		1.65			
116		Chaetognath larvae		2.48	33.34	5.79	13.89
117	PROTOCHORDATA	<i>Oikopleura albicans</i>		29.74	128.59	60.35	30.56
118		<i>Oikopleura fusiformis</i>			90.50	14.05	38.89
119		<i>Oikopleura intermedia</i>		19.00	128.59	28.11	75.02
120		<i>Oikopleura longicauda</i>		39.65	152.41	54.56	125.03
121		<i>Oikopleura megastoma</i>			52.39	15.71	
122		<i>Oikopleura parva</i>		35.52		9.92	86.13
123		<i>Oikopleura rufescens</i>		48.73	157.18	81.01	80.57
124		<i>Fritillaria formica</i>		6.61	104.79	14.05	
125		<i>Althoffia tumida</i>		15.69		31.41	88.90
126		<i>Doliolitta gegenbauri</i>		26.43		19.84	
127	<i>Doliolum denticulatum</i>		17.35		9.92		
128	<i>Doliolina obscur</i>		4.96		3.30		
129	VERTEBRATA	Fish egg		6.61	14.29	6.61	5.55
130		Fish larvae		1.65	4.77	2.48	2.78

Unit : ind/m³

Remark: Stations with underline indicate that filtered water volume is calculated from rope length.

**ZOOPLANKTON WET WEIGHT BIOMASS TEST RESULTS SHEET
ON DRY SEASON FOR SINO-JAPAN JOINT STUDY
ON THE PEARL RIVER ESTUARY**

unit: mg/m³

No.	Point No.	Wet weight biomass (Filtered water volume measured with rope length)		Wet weight biomass (Filtered water volume calculated with flowmeter)	
		77μm Phytoplankton net	168μm Zooplankton net	77μm Phytoplankton net	168μm Zooplankton net
1	P01	428.57	446.43	538.92	403.23
2	P02	3142.86		2000.00	
3	P03	166.67		166.67	
4	P04	1214.29		*	
5	P05	4125.00		4583.33	
6	P06	3100.00		2421.88	
7	P07	1900.00		*	
8	P08	1800.00		2727.27	
9	P09	2300.00		1493.51	
10	P10	5500.00		*	
11	P11	1615.38		5833.33	
12	P12	2277.78	1805.56	561.64	706.52
13	P14	2500.00		*	
14	P15	750.00		900.00	
15	P16	1869.57		1733.87	
16	P17	200.00		238.10	
17	P18	2363.64		1911.76	
18	P19	3375.00		6428.57	
19	P20	1875.00	1796.88	1530.61	2090.91
20	P21	1166.67		1944.44	
21	P22	2409.09		3154.76	
22	P23	2000.00		1652.89	
23	P24	2285.71		3809.52	
24	P25	1388.89		1666.67	
25	P27	1000.00		2066.12	

Remark : * no reading as something wrong with flowmeter

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 Checker: Ou Qiang, Wei Gui Qiu
 Examiner: Zhong Si Sheng

Table Species, individuals and wet weight of Benthos in Pearl River Estuary : Dry season - 1

No.	Phylum	Species name	Stn. No.	P01		P02		P03		P04		P05		P06		P07	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
1	CNIDARIA	<i>Cavernularia obesa</i>															
2	PLATHELMINTHES	<i>Elasmodes acutus</i>															
3	MOLLUSCA	<i>Minolia chinensis</i>															
4		<i>Turritella bacillum</i>															
5		<i>Atlanta sp.</i>											5.00	0.08			
6		<i>Bursa sp.</i>															
7		<i>Murex trapa</i>															
8		<i>Mitrella bella</i>															
9		<i>Nassarius dorsatus</i>															
10		<i>Nassarius festivus</i>															
11		<i>Nassarius hepaticus</i>															
12		<i>Nassarius succinctus</i>															
13		<i>Nassarius siquijorensis</i>											7.50	0.15			
14		<i>Nassarius thesities</i>											7.50	0.18			
15		<i>Nassarius variciferus</i>															
16		<i>Oliva mustellina</i>															
17		<i>Olivella plana</i>															
18		<i>Turricula nelliae</i>															
19		<i>Inquisitor flavidula</i>															
20		<i>Lophiotoma leucotropis</i>															
21		<i>Diplomeriza duplicata</i>															
22		<i>Terebra dussumieri</i>															
23		<i>Terebra sp.</i>															
24		<i>Architectonica perspectiva</i>															
25		<i>Cadulus clavatus</i>															
26		<i>Fissidentium venedei</i>															
27		<i>Nucula tenuis</i>															
28		<i>Mabellarca consociata</i>															
29		<i>Modiolus flavidus</i>															
30		<i>Macoma candida</i>															
31		<i>Moerella jedoensis</i>															
32		<i>Siliqua minima</i>															
33		<i>Corbicula fluminea</i>				7.50	0.15										
34		<i>Paphia undulata</i>															
35		<i>Chione scabra</i>															

Table Species, individuals and wet weight of Benthos in Pearl River Estuary : Dry season -2

No.	Phylum	Stn. No.	P01		P02		P03		P04		P05		P06		P07	
			ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
36	MOLLUSCA		2.50	0.10	2.50	0.13	5.00	0.13			10.00	1.68				
37																
38	ANNELIDA															
39													2.50	0.08		
40																
41																
42																
43			2.50	0.08			2.50	0.10								
44																
45																
46																
47									2.50	0.03					2.50	0.03
48																
49																
50																
51																
52																
53															2.50	0.05
54																
55																
56																
57																
58																
59	ECHIURA															
60	SIPUNCULA															
61	ARTHIROPODA										5.00	2.10				
62													2.50	0.10		
63																
64																
65																
66																
67																
68																
69																
70																

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season — 3

No.	Phylum	Species name	Stn. No.	P01		P02		P03		P04		P05		P06		P07		
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²			
71	ARTHROPODA	<i>Typhlocarcinus nudus</i>																
72		<i>Xenothalmodes moebii</i>																
73		<i>Neoxenothalmus obscurus</i>																
74		<i>Clorida latreillei</i>																
75		<i>Oratosquilla nepa</i>																
76	ECHINODERMATA	<i>Amphioplus laevis</i>																
77		<i>Cladolabes crassus</i>																
78		<i>Protankyra bidentata</i>																

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—4

No.	Phylum	Species name	Stn. No.	P08		P09		P10		P11		P12		P14		P15	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
1	CNIDARIA	<i>Cavernularia obesa</i>				7.50	17.30										
2	PLATHELMINTHES	<i>Elasmodes acutus</i>						7.50	8.95								
3	MOLLUSCA	<i>Minolia chinensis</i>				52.50	5.88										
4		<i>Turritella bacillum</i>				12.50	16.60										
5		<i>Atlanta sp.</i>															
6		<i>Bursa sp.</i>															
7		<i>Murex trapa</i>															
8		<i>Mitrella bella</i>										2.50	0.20				
9		<i>Nassarius dorsatus</i>															
10		<i>Nassarius festivus</i>		5.00	0.30												
11		<i>Nassarius hepaticus</i>															
12		<i>Nassarius succinctus</i>		5.00	0.20			5.00	1.03	5.00	1.30	10.00	1.08			5.00	0.55
13		<i>Nassarius siquijorensis</i>		2.50	0.15			2.50	0.38			2.50	0.50			2.50	0.03
14		<i>Nassarius theristes</i>															
15		<i>Nassarius variciferus</i>															
16		<i>Oliva mustellina</i>															
17		<i>Olivella plana</i>															
18		<i>Turricula nelliae</i>				5.00	3.13										
19		<i>Inquisitor flavidula</i>															
20		<i>Lophotoma leucotropis</i>				7.50	5.85					2.50	0.18				
21		<i>Diplomeriza duplicata</i>															
22		<i>Terebra dussumieri</i>															
23		<i>Terebra sp.</i>															
24		<i>Architectonica perspectiva</i>															
25		<i>Cadulus clavatus</i>				2.50	0.60										
26		<i>Fissidentium vermedei</i>				2.50	0.98										
27		<i>Nucula tenuis</i>				2.50	0.53					2.50	0.40				
28		<i>Mabellarca consociata</i>															
29		<i>Modiolus flavidus</i>															
30		<i>Macoma candida</i>															
31		<i>Moerella jodoensis</i>															
32		<i>Siliqua minima</i>															
33		<i>Corbicula fluminea</i>															
34		<i>Paphia undulata</i>															
35		<i>Chione scabra</i>															

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—5

No.	Phylum	Species name	Stn. No.	P08		P09		P10		P11		P12		P14		P15	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
36	MOLLUSCA	<i>Potamocorbula laevis</i>		4880.00	680.00					2660.00	235.00	2685.00	173.00	1610.00	86.30	6562.00	737.50
37		<i>Cuspidaria marilina</i>															
38	ANNELIDA	<i>Harmothoe imbricata</i>															
39		<i>Tylonereis bogoyawleskyi</i>															
40		<i>Glycera alba</i>		2.50	0.10					2.50	0.08						
41		<i>Aglaophamus dibranchis</i>															
42		<i>Aglaophamus lyrochaeto</i>															
43		<i>Lumbrineris heteropoda</i>															
44		<i>Schistomeringos incertai</i>															
45		<i>Haploscoloplos elongatus</i>															
46		<i>Laonice cirrata</i>				2.50	0.08					2.50	0.08				
47		<i>Paraprionospio pinnata</i>															
48		<i>Magelona crenulifrons</i>															
49		<i>Cossurilla dimorpha</i>															
50		<i>Pherusa cf.</i>															
51		<i>Sternaspis scutata</i>															
52		<i>Capitella capitata</i>															
53		<i>Heteromastus filiformis</i>		2.50	0.03					2.50	0.05						
54		<i>Euclymene lombricoides</i>				2.50	0.13										
55		<i>Ophelia acuminata</i>															
56		<i>Owenia fusiformis</i>															
57		<i>Terebellides stroemii</i>															
58		<i>Limnodriloides sp.</i>															
59	ECHIURA	<i>Listriolobus brevirostris</i>															
60	SIPUNCULA	<i>Phascolosoma sp.</i>				2.50	5.93					5.00	0.28		22.50		3.30
61	ARTHROPODA	<i>Balanus reticulatus</i>															
62		<i>Acetes japonicus</i>															
63		<i>Alpheus mulabaricus leptopus</i>															
64		<i>Alpheus rapacida</i>								5.00	0.55						
65		<i>Raphidopus ciliatus</i>															
66		<i>Charybdis vadorum</i>															
67		<i>Hexapus granuliferus</i>								2.50	0.35						
68		<i>Euclate crenata</i>															
69		<i>Euclate alcocki</i>															
70		<i>Scalopidia spinosipes</i>															

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—6

No.	Phylum	Species name	Stn. No.	P08		P09		P10		P11		P12		P14		P15		
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	
71	ARTHROPODA	<i>Typhlocarcinus nudus</i>																
72		<i>Xenophthalmodes moebii</i>																
73		<i>Neoxenophthalmus obscurus</i>			2.50	0.33												
74		<i>Clorida latreillei</i>																
75		<i>Oratosquilla nepa</i>																
76	ECHINODERMATA	<i>Amphioplus laevis</i>								7.50	0.63							
77		<i>Cladotabes crassus</i>																
78		<i>Protankyra bidentata</i>			2.50	11.90					2.50	0.98						

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—7

No.	Phylum	Species name	Stn. No.	P16		P17		P18		P19		P20		P21		P22	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
1	CNIDARIA	<i>Cavernularia obesa</i>															
2	PLATHELMINTHES	<i>Elasmodes acutus</i>															
3	MOLLUSCA	<i>Minolia chinensis</i>												2.50	0.08		
4		<i>Turritella bacillum</i>		2.50	0.15			2.50	0.15	2.50	2.40			2.50	1.05		
5		<i>Atlanta sp.</i>															
6		<i>Bursa sp.</i>		2.50	47.13												
7		<i>Murex trapa</i>						2.50	3.95					2.50	0.20		
8		<i>Mitrella bella</i>															
9		<i>Nassarius dorsatus</i>															
10		<i>Nassarius festivus</i>										2.50	0.18				
11		<i>Nassarius hepaticus</i>						5.00	2.30								
12		<i>Nassarius succinctus</i>		22.50	2.38	7.50	1.18	12.50	1.83	7.50	0.53	12.50	1.45	10.00	1.13	2.50	0.23
13		<i>Nassarius siquijorensis</i>		5.00	0.28					2.50	0.05	47.50	2.50	17.50	0.58		
14		<i>Nassarius thersites</i>															
15		<i>Nassarius variciferus</i>						2.50	0.80								
16		<i>Oliva mustellina</i>														2.50	0.13
17		<i>Olivella plana</i>		7.50	0.13							2.50	0.05	2.50	0.08		
18		<i>Turricula neiliae</i>										2.50	0.95	2.50	0.08		
19		<i>Inquisitor flavidula</i>										2.50	0.58				
20		<i>Lophiotoma leucotropis</i>										2.50	1.35			2.50	19.43
21		<i>Diplomeriza duplicata</i>		2.50	0.05												
22		<i>Terebra dussumieri</i>								2.50	1.33						
23		<i>Terebra sp.</i>						2.50	0.20					5.00	0.08		
24		<i>Architectonica perspectiva</i>		2.50	0.45			5.00	1.25								
25		<i>Cadulus clavatus</i>															
26		<i>Fissidentium vernelei</i>															
27		<i>Nucula tenuis</i>						7.50	1.95	52.50	2.13			60.00	3.03		
28		<i>Mabellarca consociata</i>															
29		<i>Modiolus flavidus</i>															
30		<i>Macoma candida</i>															
31		<i>Moerella jedgeensis</i>														2.50	1.85
32		<i>Siliqua minima</i>															
33		<i>Corbicula fluminea</i>															
34		<i>Paphia undulata</i>						2.50	0.95	2.50	10.53			7.50	1.80	7.50	35.63
35		<i>Chione scabra</i>								2.50	0.05						

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—8

No.	Phylum	Species name	Stn. No.	P16		P17		P18		P19		P20		P21		P22	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
36	MOLLUSCA	<i>Potamocorbula laevis</i>		15.00	1.55	4772.00	645.00			160.00	5.88			412.50	20.25		
37		<i>Cuspidaria maritima</i>															
38	ANNELIDA	<i>Harmothoe imbricata</i>															
39		<i>Tyloneis bogoyawleskyi</i>												2.50	0.03		
40		<i>Glycera alba</i>						22.50	0.90								
41		<i>Aglaophamus dibranchis</i>															
42		<i>Aglaophamus lyrochacto</i>						2.50	0.33	2.50	0.13			5.00	0.08		
43		<i>Lumbrineris heteropoda</i>		5.00	0.30			5.00	0.28				7.50	0.28	5.00	0.30	
44		<i>Schistomeringos incertai</i>															
45		<i>Haploscoloplos elongatus</i>															
46		<i>Laonice cirrata</i>															
47		<i>Paraprionospio pinnata</i>															
48		<i>Magelona crenulifrons</i>															
49		<i>Cossurilla dimorpha</i>															
50		<i>Pherusa cf.</i>		2.50	1.33												
51		<i>Sternaspis scutata</i>		2.50	0.08					2.50	0.18						
52		<i>Capitella capitata</i>								2.50	0.20						
53		<i>Heteromastus filiformis</i>						10.00	0.25					10.00	0.10	2.50	0.05
54		<i>Euclymene lombricoides</i>															
55		<i>Ophelia acuminata</i>															
56		<i>Owenia fusiformis</i>												2.50	0.03		
57		<i>Terebellides stroemii</i>						2.50	0.55								
58		<i>Limnodriloides sp.</i>															
59	ECHIURA	<i>Listriolobus brevistris</i>												2.50	0.65		
60	SIPUNCULA	<i>Phascolosoma sp.</i>															
61	ARTHROPODA	<i>Balanus reticulatus</i>				30.00	3.08			20.00	1.68						
62		<i>Acetes japonicus</i>															
63		<i>Alpheus malabaricus leptopus</i>						2.50	0.48								
64		<i>Alpheus rapacida</i>		2.50	0.30			2.50	1.10	2.50	0.20						
65		<i>Raphidopus ciliatus</i>						2.50	0.30								
66		<i>Charybdis vadorum</i>														2.50	11.25
67		<i>Hexapus granuliferus</i>		20.00	1.08			15.00	2.05	7.50	1.40						
68		<i>Eucrute crenata</i>															
69		<i>Eucrute alcocki</i>											2.50	0.23			
70		<i>Scalopidia spinosipes</i>		2.50	1.00											5.00	1.40

Table Species, individuals and wet weight of Benthos in Pearl River Estuary : Dry season—9

No.	Phylum	Species name	Stn. No.	P16		P17		P18		P19		P20		P21		P22		
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	
71	ARTHROPODA	<i>Typhlocarcinus nudus</i>										5.00	0.70					
72		<i>Xenophthalmodes moebii</i>																
73		<i>Neoxenophthalmus obscurus</i>	10.00	0.88			5.00	1.55					22.50	4.20				
74		<i>Clorida latreillei</i>																
75		<i>Oratosquilla nepa</i>																
76	ECHINODERMATA	<i>Amphioplus laevis</i>		2.50	0.28													
77		<i>Cladolabes crassus</i>		2.50	1.73											7.50	0.85	
78		<i>Protankyra bidentata</i>		2.50	0.80			2.50	6.53	5.00	11.18							

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—10

No.	Phylum	Species name	Stn. No.	P23		P24		P25		P27	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
1	CNIDARIA	<i>Cavernularia obesa</i>									
2	PLATHELMINTHES	<i>Elaenodes acutus</i>									
3	MOLLUSCA	<i>Minolia chinensis</i>		5.00	0.33			10.00	1.33	25.00	1.70
4		<i>Turritella bacillum</i>				2.50	0.33			45.00	36.63
5		<i>Atlanta sp.</i>									
6		<i>Bursa sp.</i>									
7		<i>Murex trapa</i>									
8		<i>Mitrella bella</i>									
9		<i>Nassarius dorsatus</i>									
10		<i>Nassarius festivus</i>									
11		<i>Nassarius hepaticus</i>									
12		<i>Nassarius succinctus</i>		7.50	1.43	5.00	1.45	2.50	0.78	5.00	1.40
13		<i>Nassarius siquijorensis</i>						7.50	6.50	2.50	0.08
14		<i>Nassarius thersites</i>									
15		<i>Nassarius variciferus</i>									
16		<i>Oliva mustellina</i>				2.50	0.05				
17		<i>Olivella plana</i>									
18		<i>Turricula nelliac</i>		7.50	1.63			2.50	0.08		
19		<i>Inquistor flavidula</i>									
20		<i>Lophiotoma leucotropis</i>		5.00	1.83						
21		<i>Diplomeriza duplicata</i>									
22		<i>Terebra dussumieri</i>									
23		<i>Terebra sp.</i>									
24		<i>Architectonica perspectiva</i>									
25		<i>Cadulus clavatus</i>		2.50	0.10			2.50	0.13		
26		<i>Fissidentium vernedei</i>									
27		<i>Nucula tenuis</i>		2.50	0.25						
28		<i>Mabellarca consociata</i>						7.50	0.45		
29		<i>Modiolus flavidus</i>		2.50	2.58						
30		<i>Macoma canida</i>				37.50	3.43				
31		<i>Moerella jodoensis</i>									
32		<i>Sitiqua minima</i>				10.00	2.85				
33		<i>Corbicula fluminea</i>									
34		<i>Paphia undulata</i>		7.50	21.93						
35		<i>Chione scabra</i>		2.50	2.23						

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—11

No.	Phylum	Species name	Stn. No.	P23		P24		P25		P27	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
36	MOLLUSCA	<i>Potamocorbula laevis</i>									
37		<i>Cuspidaria marilina</i>		2.50	26.65						
38	ANNELIDA	<i>Harmothoe imbricata</i>				2.50	0.13	2.50	1.05		
39		<i>Tylosereis bogoyawleskyi</i>									
40		<i>Glycera alba</i>		2.50	0.13						
41		<i>Aglaophamus dibranchis</i>									
42		<i>Aglaophamus lyrochaeto</i>		2.50	0.15	10.00	0.38				
43		<i>Lumbrineris heteropoda</i>						10.00	0.55		
44		<i>Schistomeringos incertai</i>				5.00	0.23				
45		<i>Haploscoloplos elongatus</i>				5.00	0.18	2.50	0.10		
46		<i>Laonice cirrata</i>									
47		<i>Paraprionospio pinnata</i>				30.00	0.33				
48		<i>Magelona crenulifrons</i>						5.00	0.15		
49		<i>Cossarilla dimorpha</i>		5.00	0.10						
50		<i>Pherusa cf.</i>									
51		<i>Sternaspis scutata</i>		2.50	1.20	5.00	0.13				
52	<i>Capitella capitata</i>										
53	<i>Heteromastus filiformis</i>				15.00	0.30	10.00	0.30	2.50	0.05	
54	<i>Euclymene lombricoides</i>										
55	<i>Ophelia acuminata</i>		2.50	0.25							
56	<i>Owenia fusiformis</i>										
57	<i>Tercebellides stroemii</i>		2.50	0.33			5.00	0.23			
58	<i>Limnodriloides sp.</i>										
59	ECHIURA	<i>Listriolobus brevirostris</i>			40.00	8.83	5.00	3.25			
60	SIPUNCULA	<i>Phascolosoma sp.</i>		2.50	0.33		2.50	0.20			
61	ARTHROPODA	<i>Balanus reticulatus</i>									
62		<i>Acetes japonicus</i>									
63		<i>Alpheus malabaricus leptopus</i>									
64		<i>Alpheus rapacida</i>		5.00	1.93						
65		<i>Raphidopus ciliatus</i>									
66		<i>Charybdis vadorum</i>									
67		<i>Hexapus granuliferus</i>						2.50	10.00		
68		<i>Eucrate crenata</i>						2.50	0.63		
69		<i>Eucrate alcocki</i>									
70		<i>Scalopidia spinosipes</i>									

Table Species, individuals and wet weight of Benthos in Pearl River Estuary: Dry season—12

No.	Phylum	Species name	Stn. No.	P23		P24		P25		P27	
				ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²	ind/m ²	g/m ²
71	ARTHROPODA	<i>Typhlocarcinus nudus</i>									
72		<i>Xenophthalmodes moebii</i>									
73		<i>Neoxenophthalmus obscurus</i>					7.50	1.80			
74		<i>Clorida latreillei</i>					2.50	20.35			
75		<i>Oratosquilla nepa</i>			2.50	0.45					
76	ECHINODERMATA	<i>Amphioptus laevis</i>		20.00	2.38	7.50	0.33	7.50	0.28		
77		<i>Cladolabes crassus</i>									
78		<i>Protankyra bidentata</i>									

**SPECIMEN LIST OF BENTHOS ON DRY SEASON FOR SINO-JAPAN
JOINT STUDY ON THE PEARL RIVER ESTUARY**

Coelenterata

沙箸科 Veretillidae

海仙人掌 *Cavernularia obesa* Milne Edwards et Hailme

Plathyhelminthes

平角科 Planoceridae

尖 虫 *Elasmodes acutus* (Stimpson)

Annelida

多 虫 种 Polynoidae

覆 瓦 哈虫 *Harmothoe imbricata* (Linnaeus)

沙蚕科 Nereidae

疣 沙 *Tylonereis bogoyawleskyi* Fauvel

吻沙蚕科 Glyceridae

白色吻沙蚕 *Glycera alba* (Muller)

吻 沙 蚕 Nephtyidae

双 内 卷蚕 *Aglaophamus dibranchis* Grube

弦 毛 内 蚕 *Aglaophamus lyrochaeto* (Fauvel)

虫 科 Orbiniidae

虫 *Haploscoloplos elongatus* (Johnson)

指 虫 指 Cossuridae

双 形 指 *Cossurella dimorpha* Hartman

海稚虫科 Spionidae

后指虫 *Laonice cirrata* (Sars)

奇 稚 *Paraprionospio pinnata* (Ehlers)

手 沙 蚕 Magelonidae

状 手 蚕 *Magelona crenulifrons* Gallardo

小 虫 指 Capitellidae

小 虫 *Capitella capitata* (Fabricius)

蚓 虫 *Heteromastus filiformis* (Claparede)

虫 科 Maldanidae

曲 真 虫 *Euclymene lombricoides* (Quatrefages)

海蛹科 Opheliidae

角海蛹 *Ophelia acuminata* Oersted

索沙蚕科 Lumbrineriidae

足 索 沙 *Lumbrineris heteropoda* (Marenzeller)

豆 虫 指 Orvilleidae

无 眼 叉 毛豆虫 *Schistomeringos incertai* (Schmarda)

不倒翁虫科 Sternaspidae

不倒翁虫 *Sternaspis scutata* (Renier)

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Checker: Huang Ya Liang

Examiner: Zhong Si Sheng

4-1

**SPECIMEN LIST OF BENTHOS ON DRY SEASON FOR SINO-JAPAN
JOINT STUDY ON THE PEARL RIVER ESTUARY**

欧文虫科 Oweniidae

欧文虫 *Owenia fusiformis* Delle Chiaje

扇毛虫科 Flabelligeridae

孟加拉海扇虫 *Pherusa cf. Bengalensis* (Fauvel)

毛虫 Trichobrachidae

梳虫 *Terebellides stroemii* Sars

蚓科 Tubificidae

沼蚓 *Limnodriloides* sp.

Sipuncula

革星虫 Phascolosomatidae

革星虫 *Phascolosoma* sp.

Echiura

科 Echiuridae

短吻 *Listriolobus brevirostris* Chen et Yeh

Mollusca

胡桃蛤科 Nuculidae

弱胡桃 *Nucula (Nucula) tenuis* (Montagu)

蚌科 Arcidae

珠蚌 *Mabellarca consociata* (Smith)

科 Mytilidae

短偏 *Modiolus (Fulgida) flavidus* (Dunker)

蛤科 Tellinidae

江明 *Moerella jedoensis* (Lischke)

美女白 *Macoma (Psammacoma) candida* (Lamarck)

刀科 Cultellidae

小 *Siliqua minima* Dunker

科 Corbiculidae

河 *Corbicula fluminea* (Muller)

蛤科 Veneridae

粗雪蛤 *Chione (Timoclea) scabra* (Hanley)

波巴非 *Paphia (Paratapes) undulata* (Born)

蛤科 Corbulidae

光滑河 *Potamocorbula laevis* (Hinds)

嘴蛤科 Laternulidae

渤海嘴 *Cuspidaria (Exolaternula) marilina* (Reeve)

角科 Dentaliidae

大角 *Fissidentalium vernedei* (Sowerby)

管角科 Siphonodentaliidae

Printer: Wei Gui Qiu

Checker: Huang Ya Liang

Examiner: Zhong Si Sheng

4-2

**SPECIMEN LIST OF BENTHOS ON DRY SEASON FOR SINO-JAPAN
JOINT STUDY ON THE PEARL RIVER ESTUARY**

梭形棒角	<i>Cadulus clavatus</i> Gould
蹄螺科 Trochidae	
中国小螺	<i>Minolia chinensis</i> Sowerby
螺科 Turritellidae	
棒螺	<i>Turritella bacillum</i> Kiener
螺科 Architectonicidae	
配景	<i>Architectonica perspectiva</i> (Linne)
明螺科 Atlantidae	
明螺	<i>Atlanta</i> sp.
蛙螺科 Bursidae	
蛙螺	<i>Bursa</i> sp.
骨螺科 Muricidae	
浅骨	<i>Murex trapa</i> Roding
核螺科 Pyrenidae	
核螺	<i>Mitrella bella</i> (Reeve)
螺科 Nassariidae	
肋螺	<i>Nassarius (Varicinassa) variciferus</i> (A. Adams)
秀螺	<i>Nassarius (Reticunassa) festivus</i> (Powys)
螺	<i>Nassarius (Zeuxis) succinctus</i> (A. Adams)
光螺	<i>Nassarius (Zeuxis) dorsatus</i> (Roding)
西格	<i>Nassarius (Zeuxis) siquijorensis</i> (A. Adams)
螺	<i>Nassarius (Zeuxis) hepaticus</i> (Pulteney)
胆形	<i>Nassarius thersites</i> (Bruguiere)
榧螺科 Olividae	
伶鼬榧螺	<i>Oliva mustellina</i> Lamarck
平小榧螺	<i>Olivella plana</i> (Marrat)
塔螺科 Turridae	
黄短口螺	<i>Inquistor flavidula</i> (Lamarck)
白骨螺	<i>Lophiotoma leucotropis</i> (Adams et Reeve)
假奈塔螺	<i>Turricula nelliae</i> (Hedley)
笋螺科 Terebridae	
白笋	<i>Terebra (Noditerebra) dussumieri</i> Kiener
笋螺	<i>Terebra</i> sp.
双笋	<i>Diplomeriza duplicata</i> (Linnaeus)
Arthropoda	
藤科 Balanidae	
网藤	<i>Balanus reticulatus</i> Utinomi
科 Sergestidae	
日本毛	<i>Acetes japonicus</i> Kishinouye

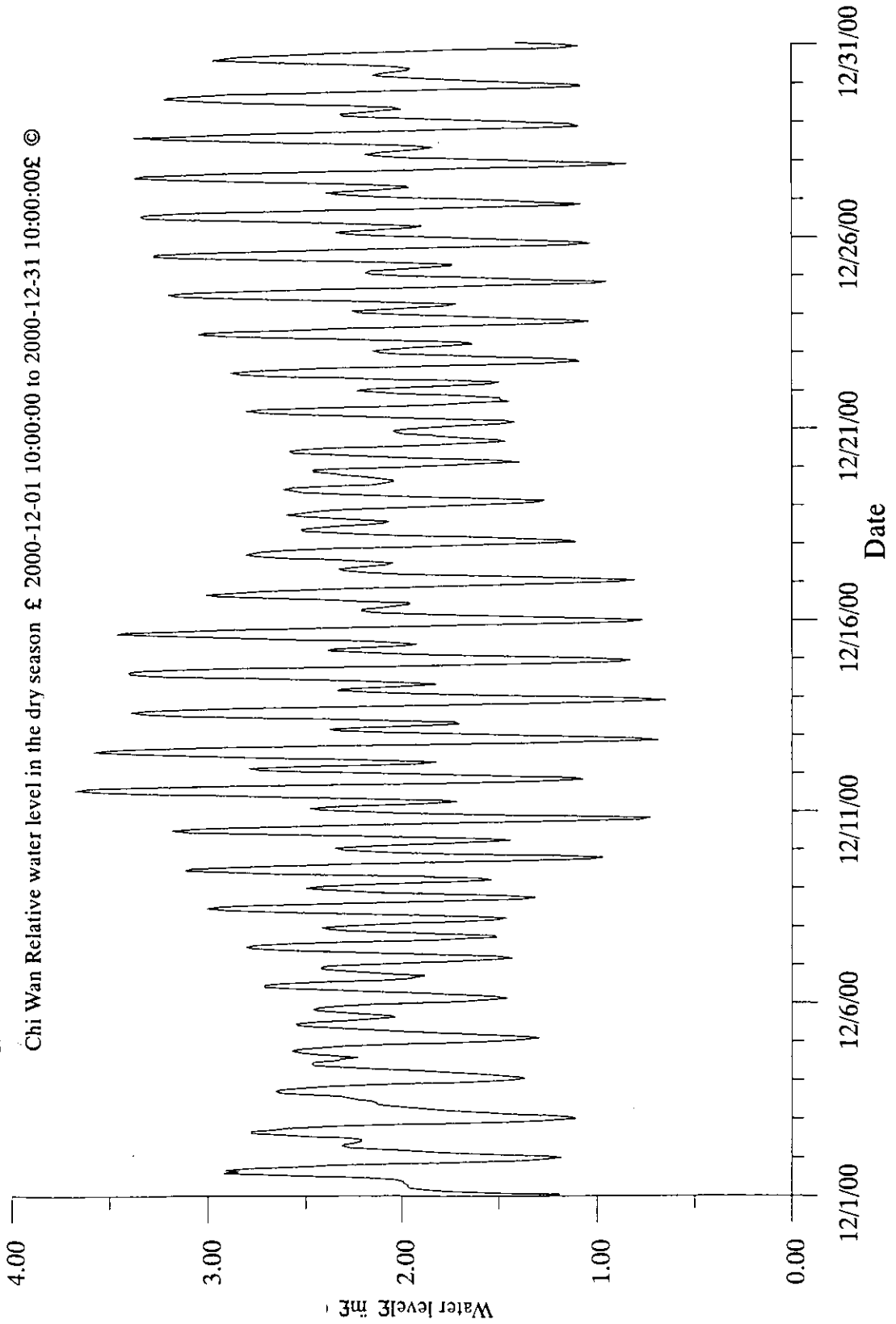
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**SPECIMEN LIST OF BENTHOS ON DRY SEASON FOR SINO-JAPAN
JOINT STUDY ON THE PEARL RIVER ESTUARY**

鼓 科	Alpheidae	
窄 足 鼓		<i>Alpheus malabaricus leptopus</i> de Man
食 鼓		<i>Alpheus rapacida</i> de Man
瓷蟹科	Porcellanidae	
毛 足		<i>Raphidopus ciliatus</i> Stimpson
梭子蟹科	Portunidae	
疾 □		<i>Charybdis vadorum</i> Alcock
脚 蟹	Goneplacidae	
隆 蟹		<i>Eucrate crenata</i> de Haan
阿 氏		<i>Eucrate alcocki</i> Serene
裸盲蟹		<i>Typhlocarcinus nudud</i> Stimpson
刺足掘沙蟹		<i>Scalopidia spinosipes</i> Stimpson
粒 六 足		<i>Hexapus granuliferus</i> Campbell et Stephenson
莫 氏 短蟹		<i>Xenophthalmodes moebii</i> Richters
豆蟹科	Pinnotheridae	
模糊新短眼蟹		<i>Neoxenophthalmus obscurus</i> (Henderson)
蛄 科	Squillidae	
拉 氏		<i>Clorida latreillei</i> (Eydoux et Souleyet)
叉 □		<i>Oratosquilla nepa</i> (Latreille)
Echinodermata		
沙 子 种	Phylloporidae	
粗枝柄参		<i>Cladolabes crassus</i> (H. L. Clark)
海 参	Synaptidae	
棘 刺		<i>Protankyra bidentata</i> (Woodard et Barrett)
遂 足	Amphiuridae	
光滑倍棘蛇尾		<i>Amphioplus laevis</i> (Lyman.)

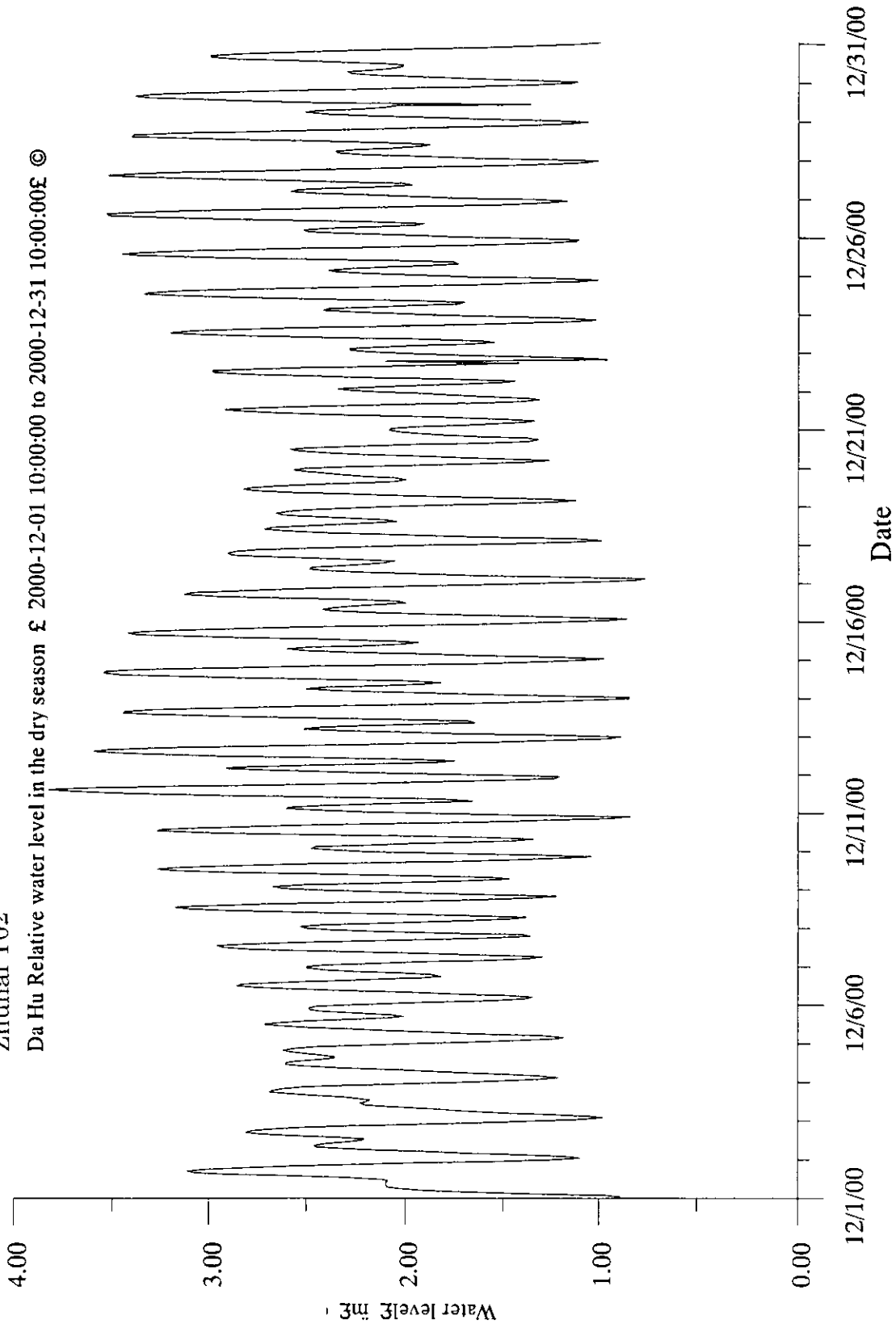
Humen T01

Chi Wan Relative water level in the dry season £ 2000-12-01 10:00:00 to 2000-12-31 10:00:00£ ©

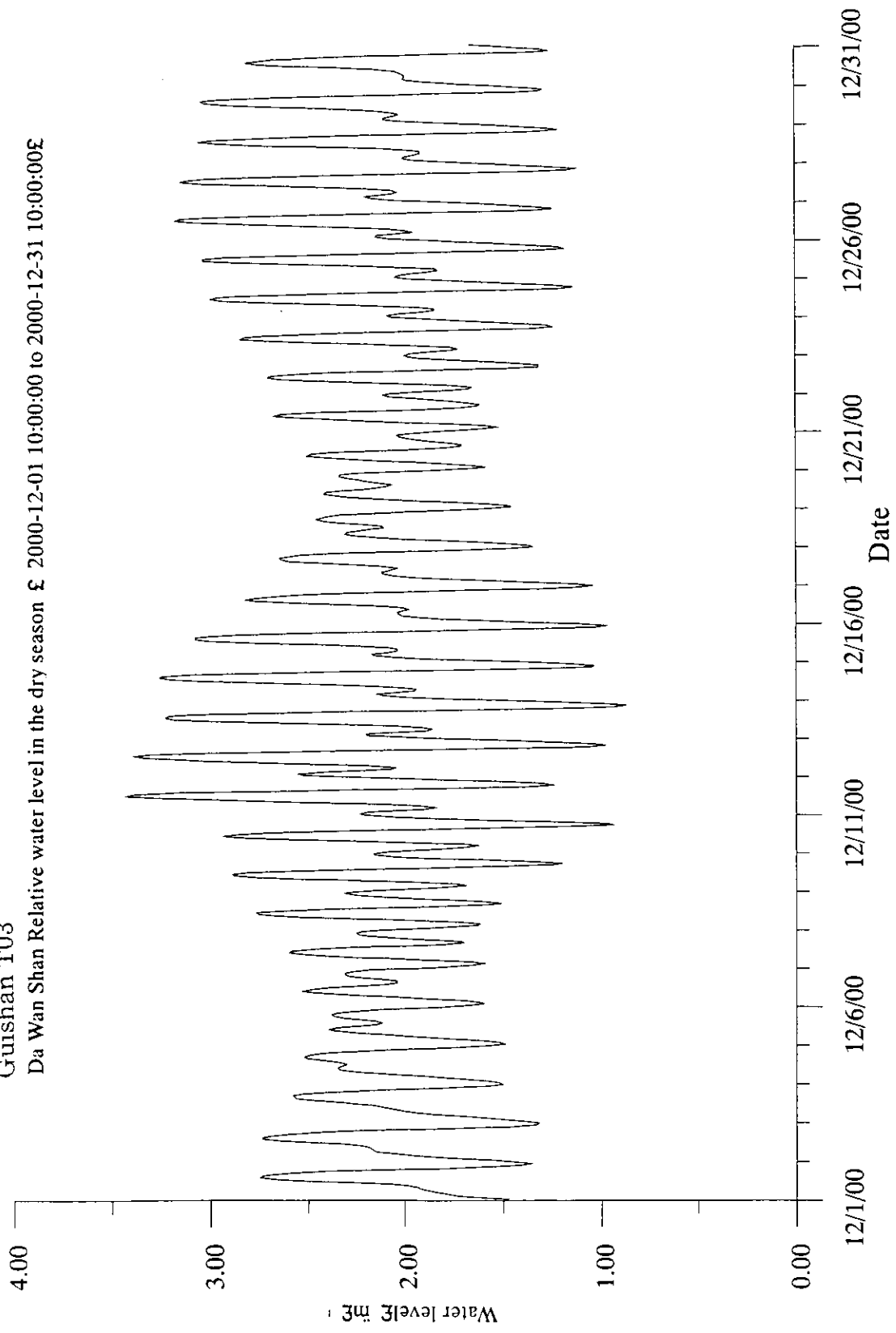


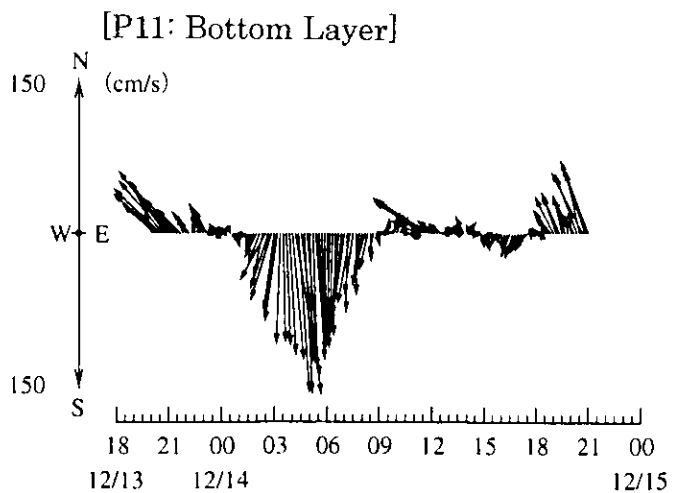
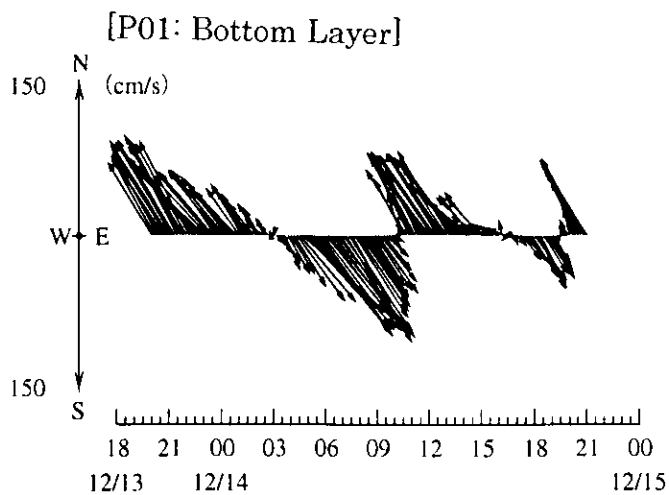
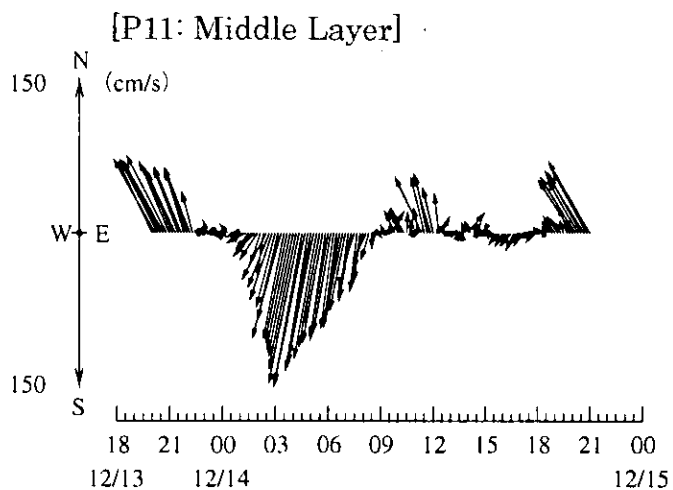
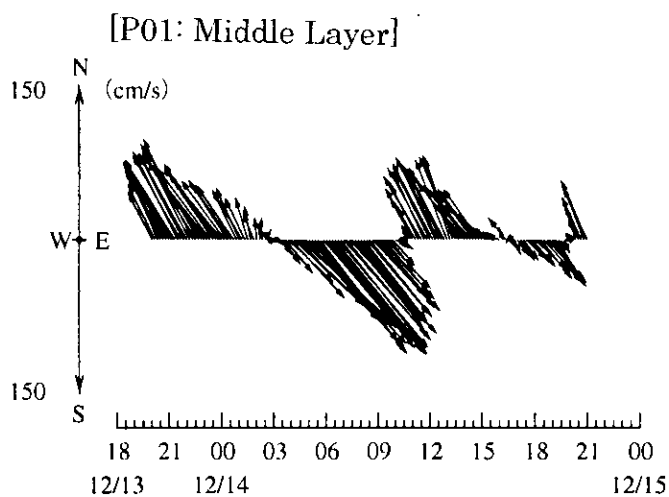
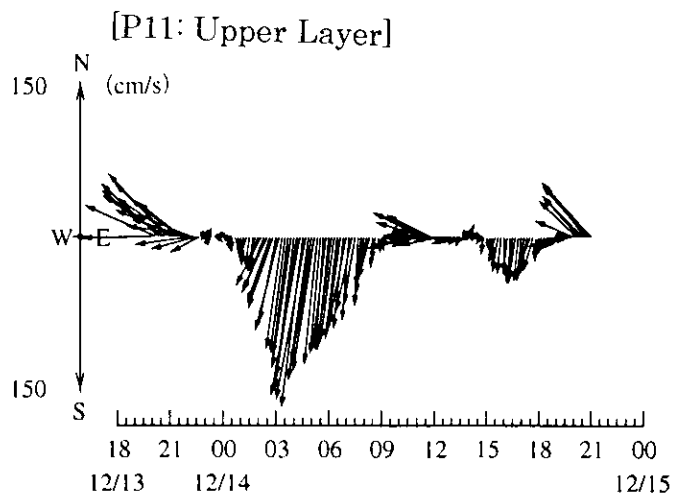
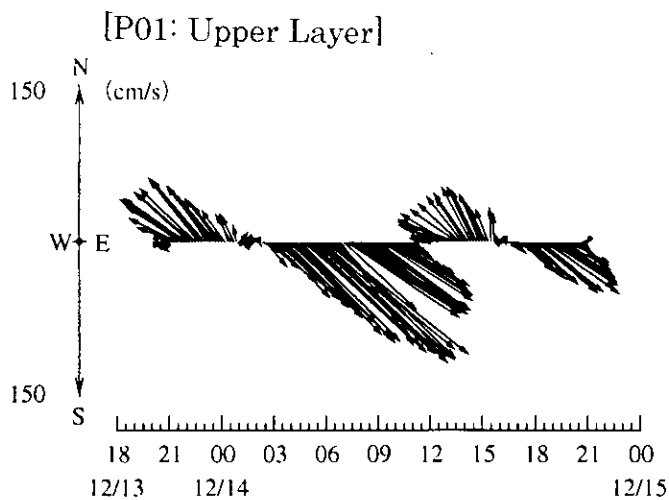
Zhuhai T02

Da Hu Relative water level in the dry season £ 2000-12-01 10:00:00 to 2000-12-31 10:00:00£ ©

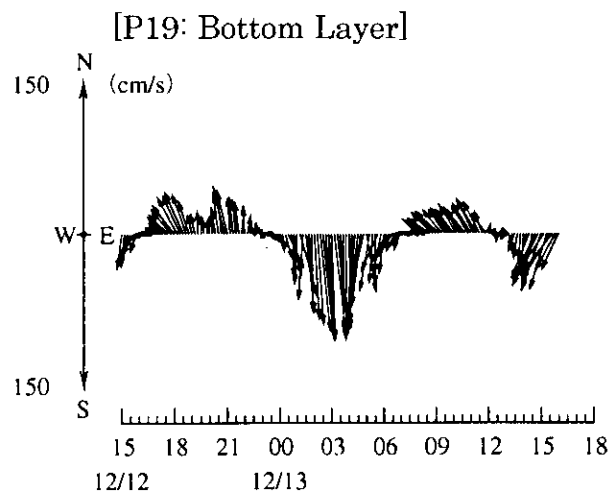
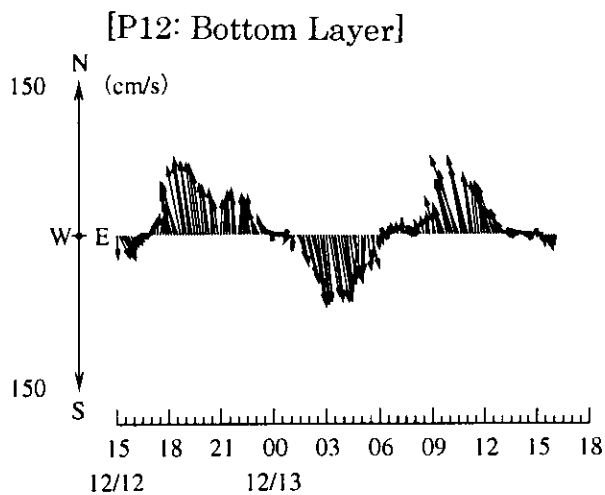
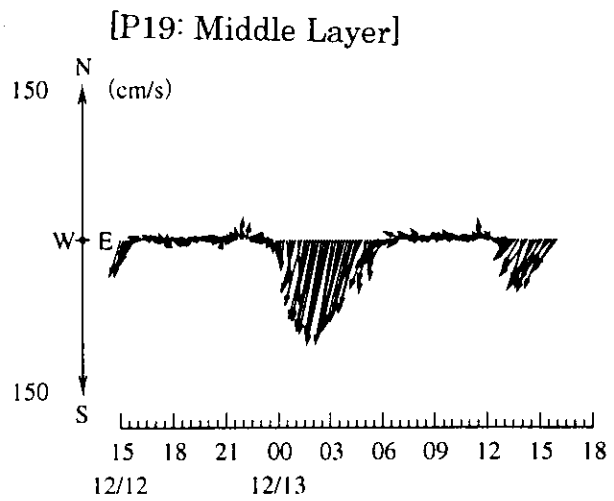
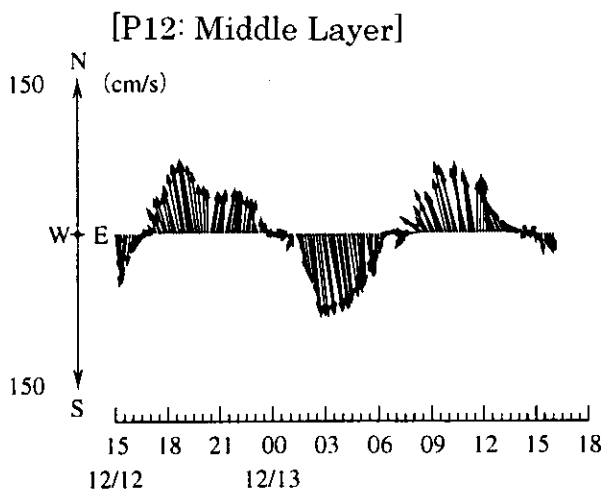
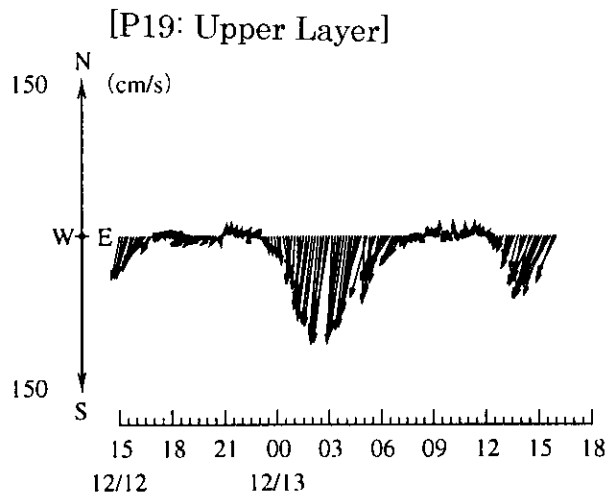
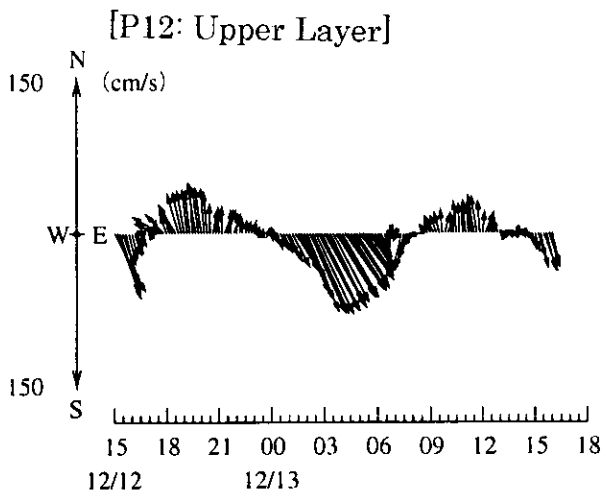


Guishan T03
Da Wan Shan Relative water level in the dry season £ 2000-12-01 10:00:00 to 2000-12-31 10:00:00£

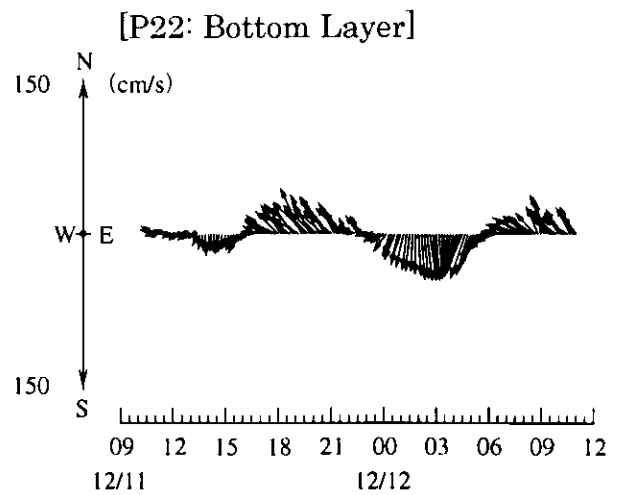
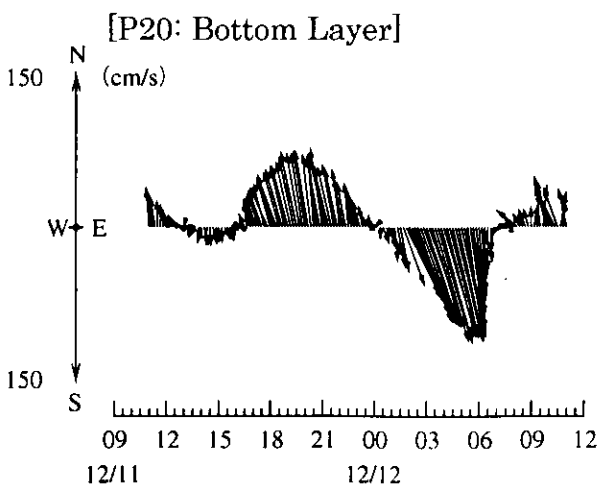
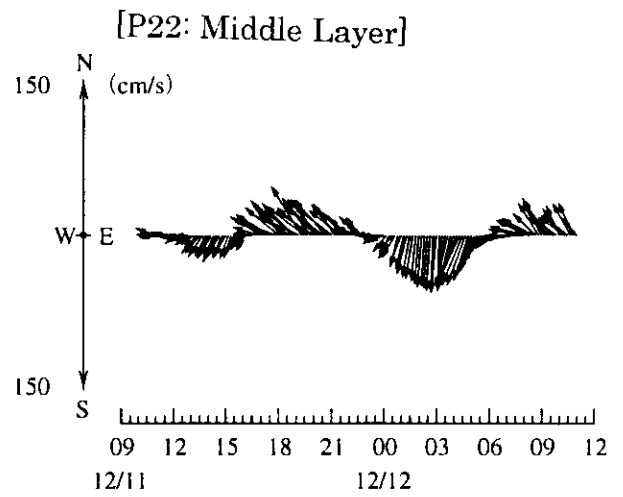
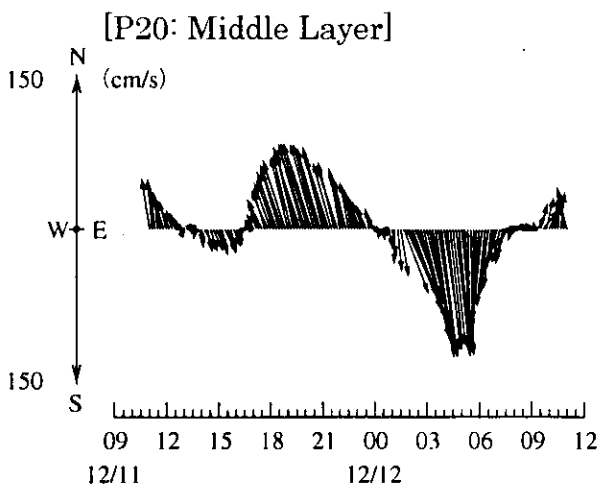
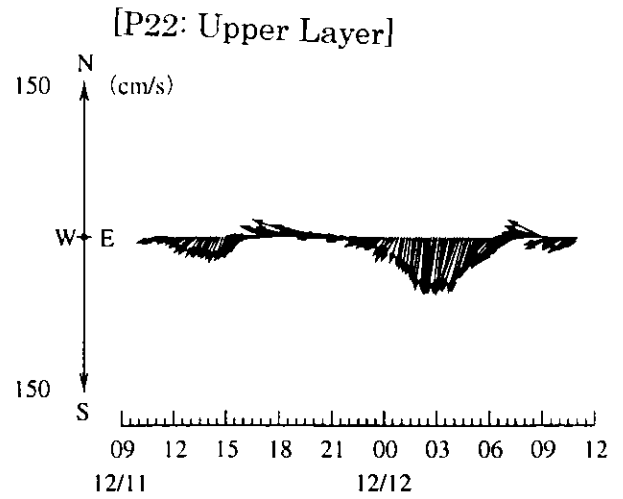
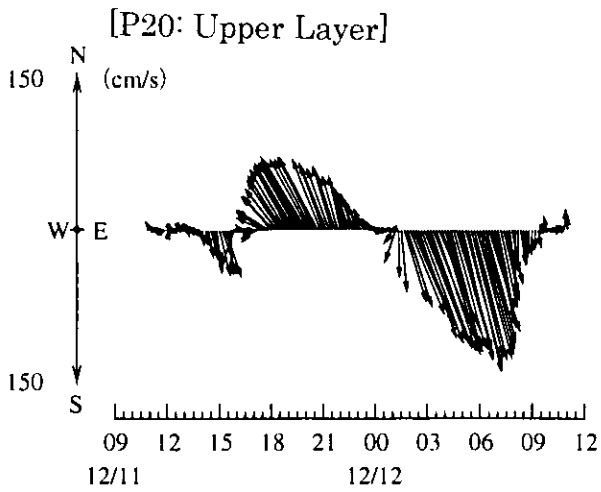




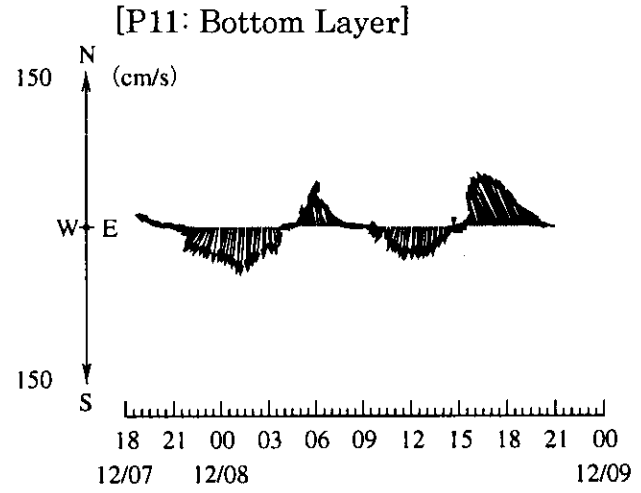
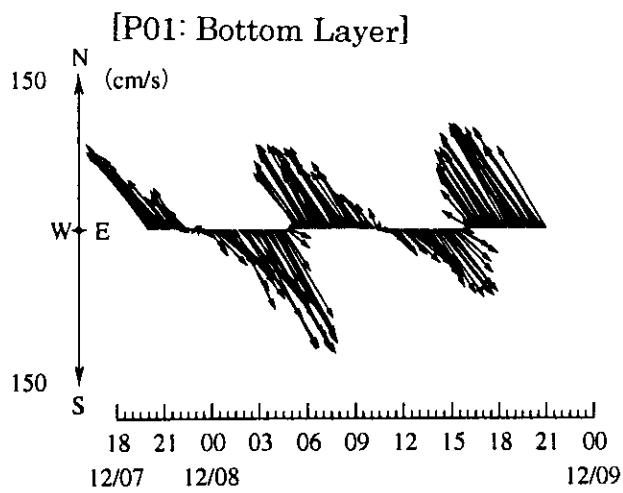
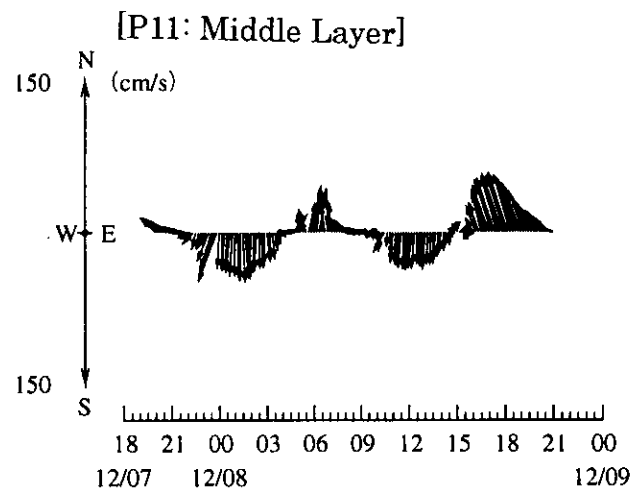
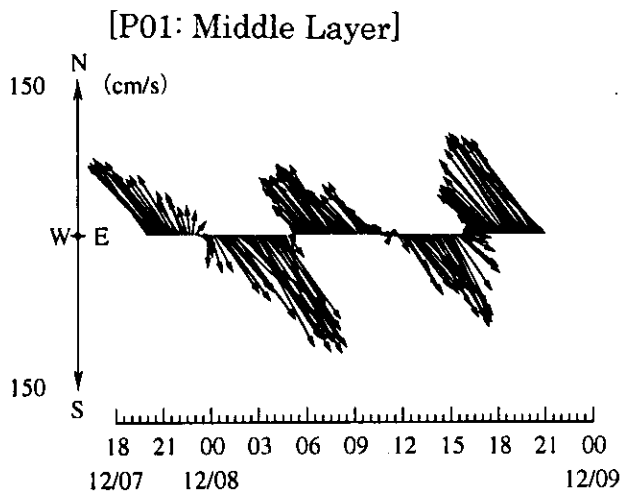
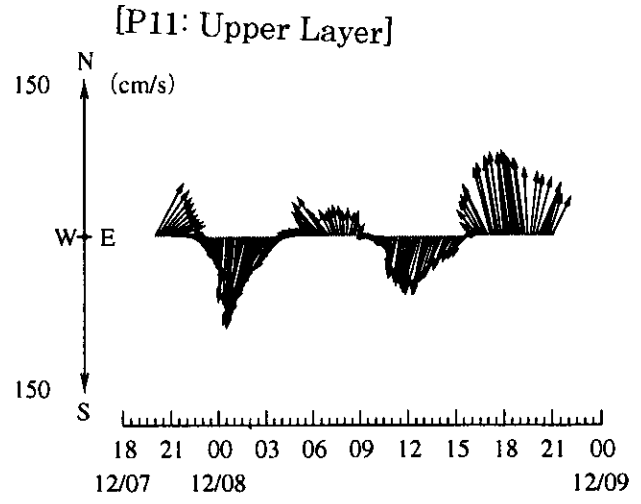
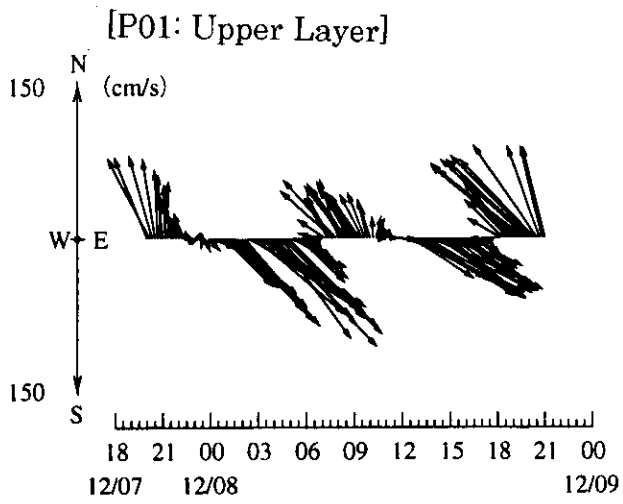
Time Series of Current Vector
(P01 and P11, Spring Tide: Dec. 13 - 14, 2000)



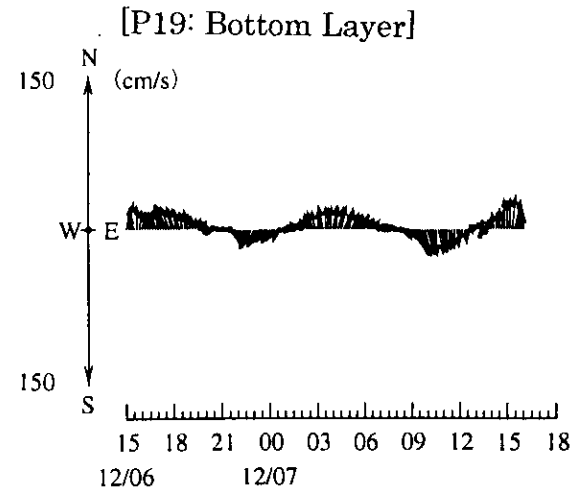
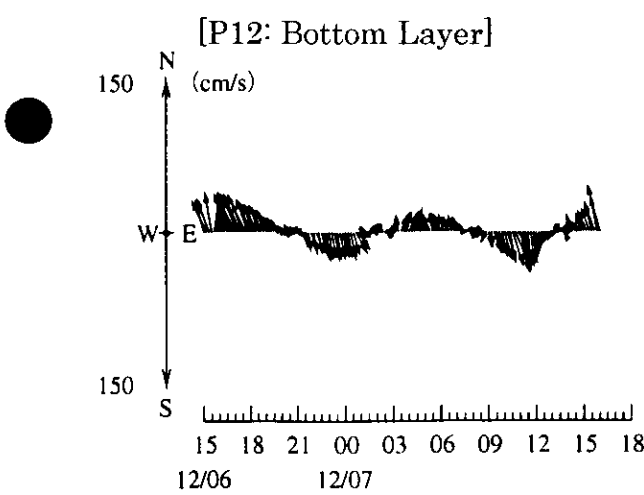
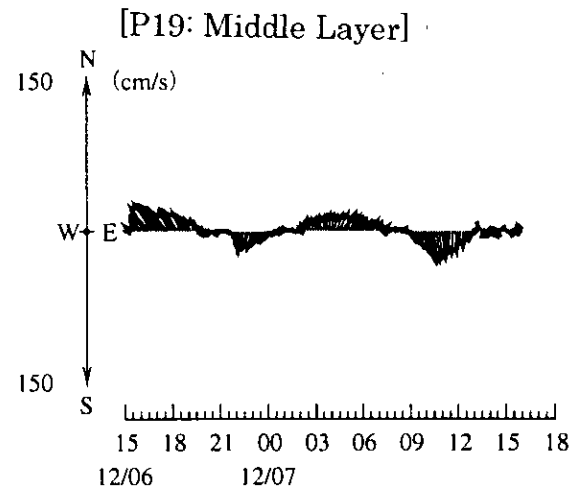
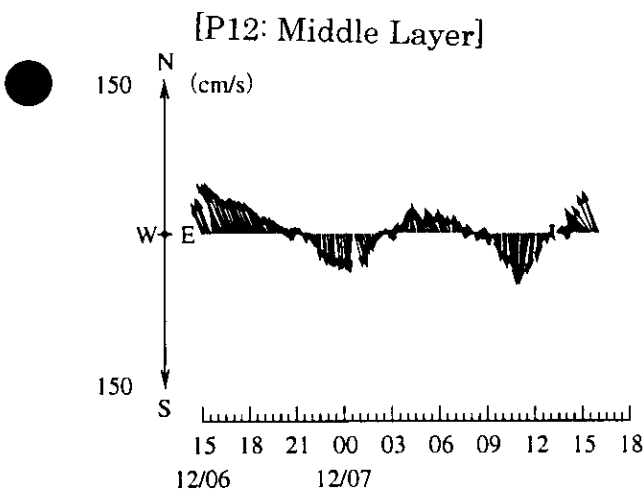
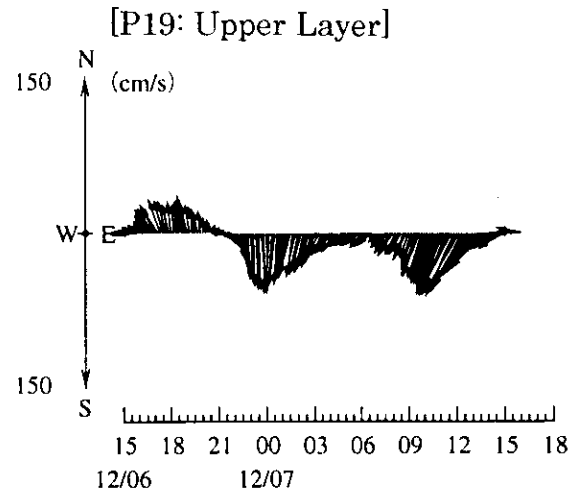
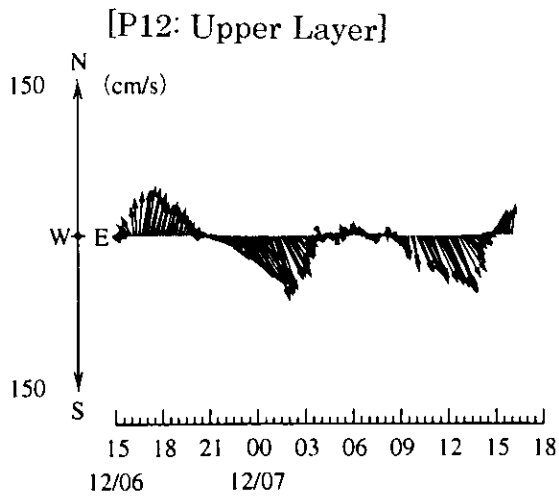
Time Series of Current Vector
(P12 and P19, Spring Tide: Dec. 11 - 13, 2000)



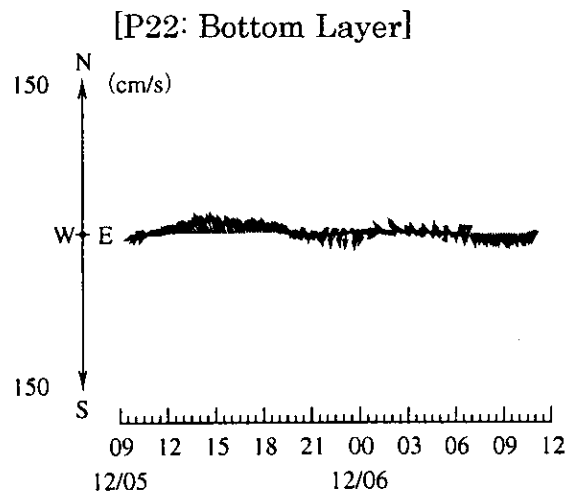
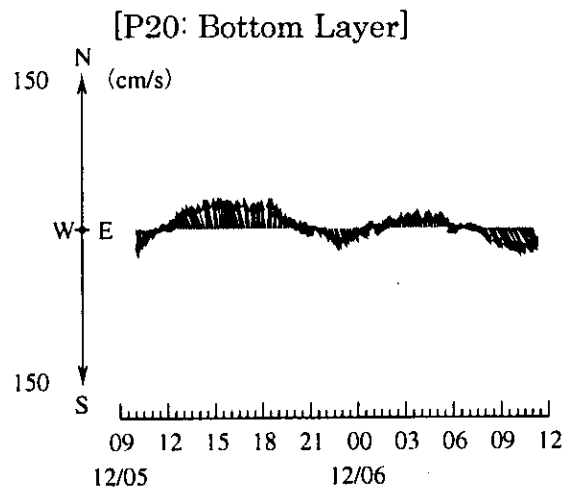
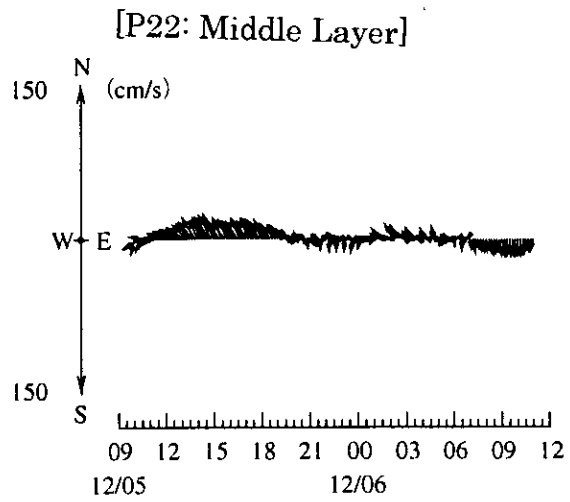
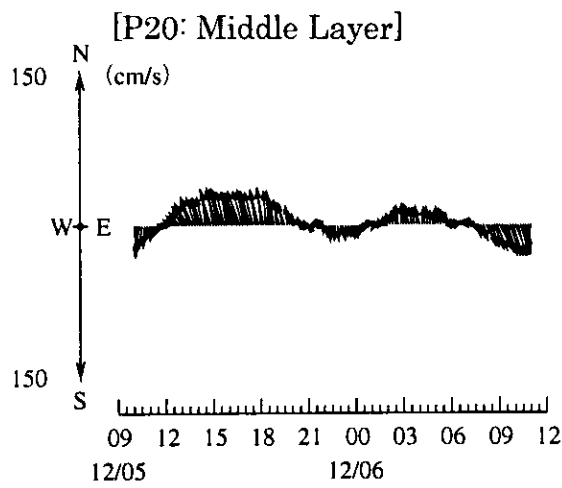
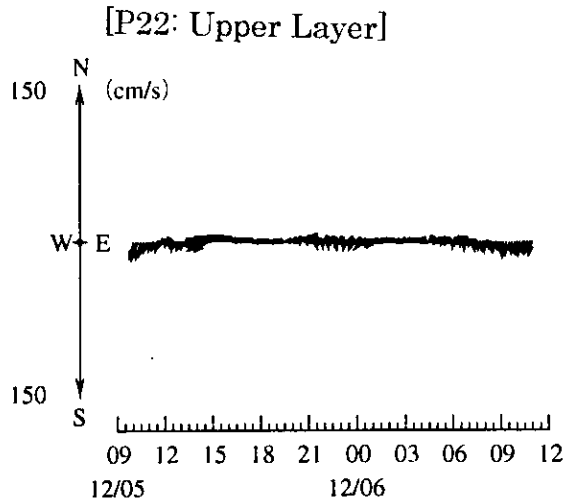
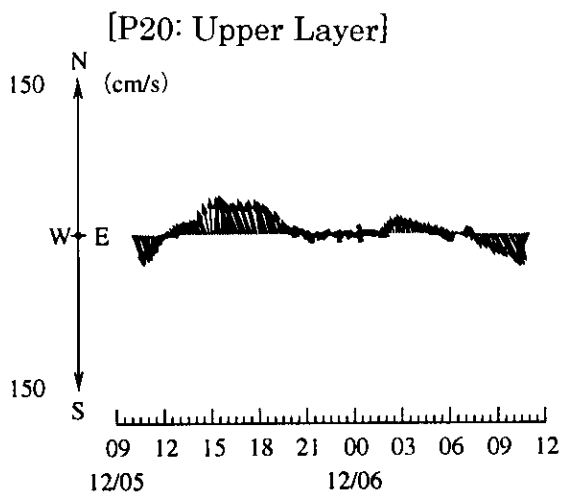
Time Series of Current Vector
(P20 and P22, Spring Tide: Dec. 11 - 12, 2000)



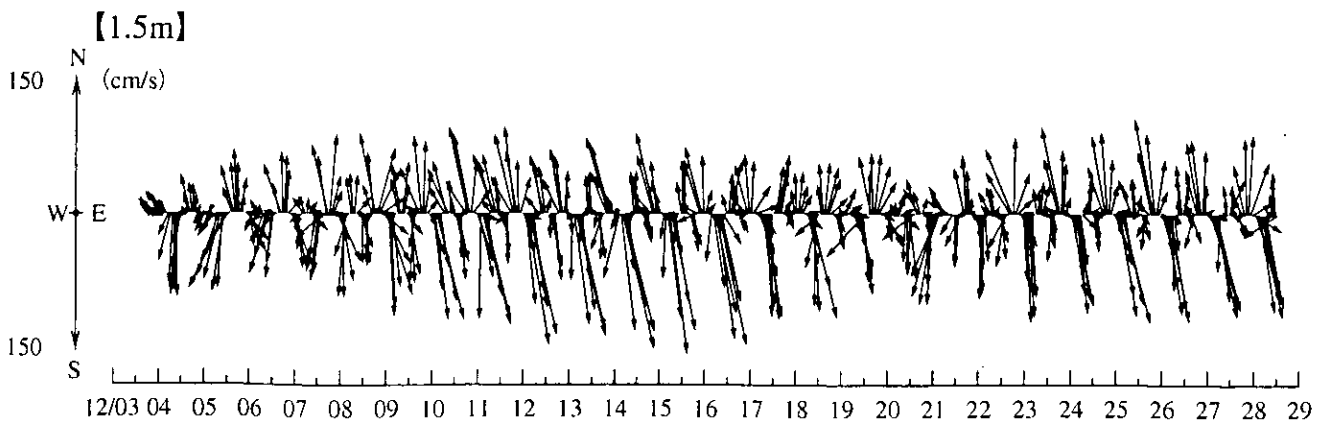
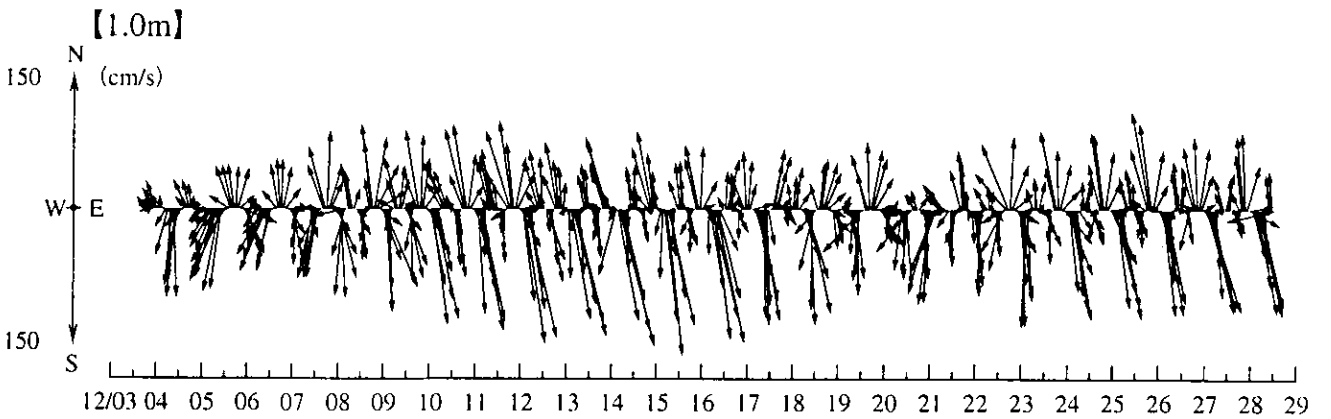
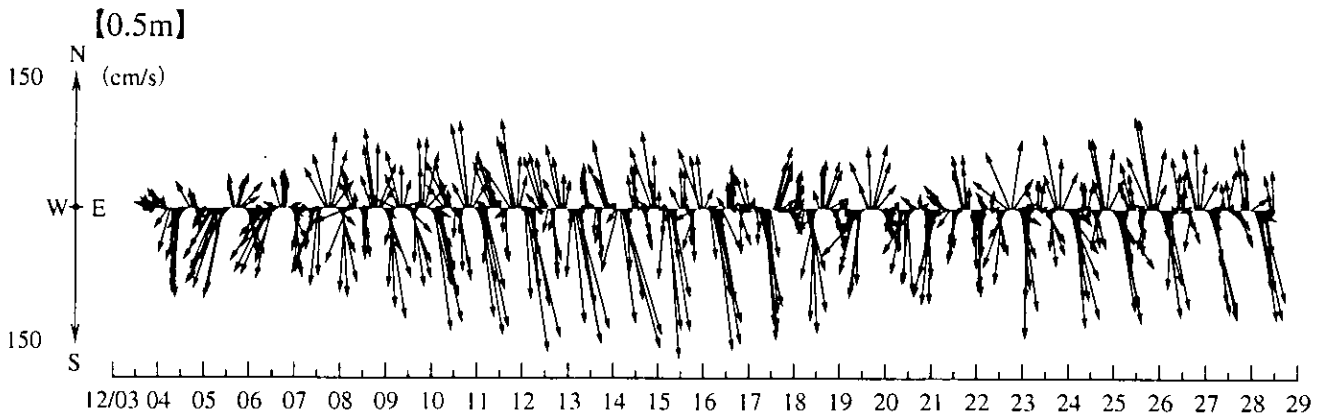
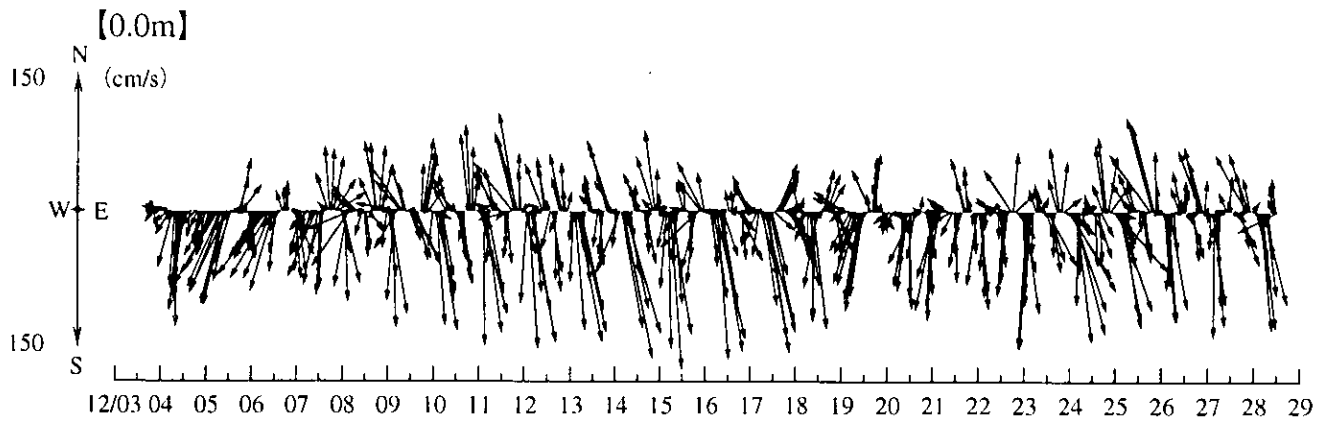
Time Series of Current Vector
(P01 and P11, Neap Tide: Dec. 13 - 14, 2000)



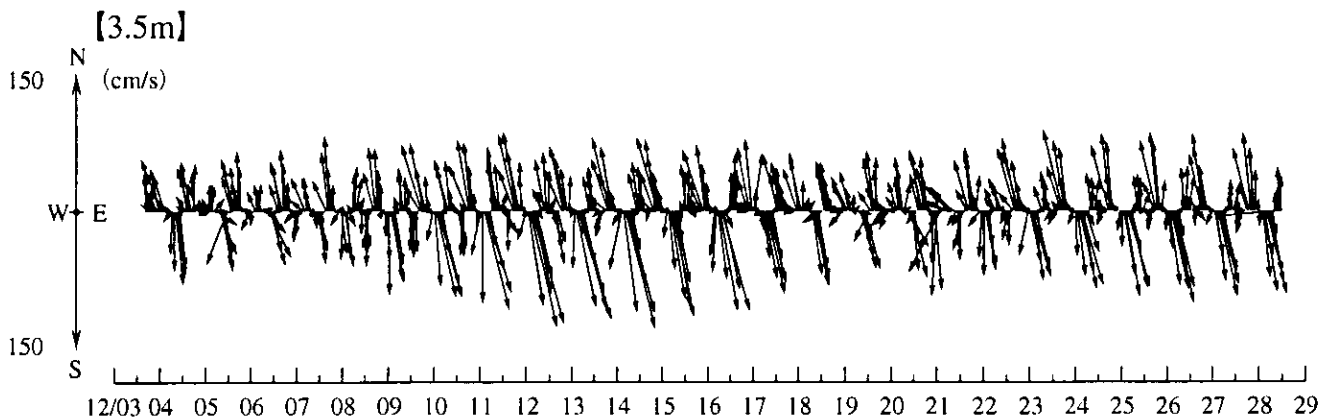
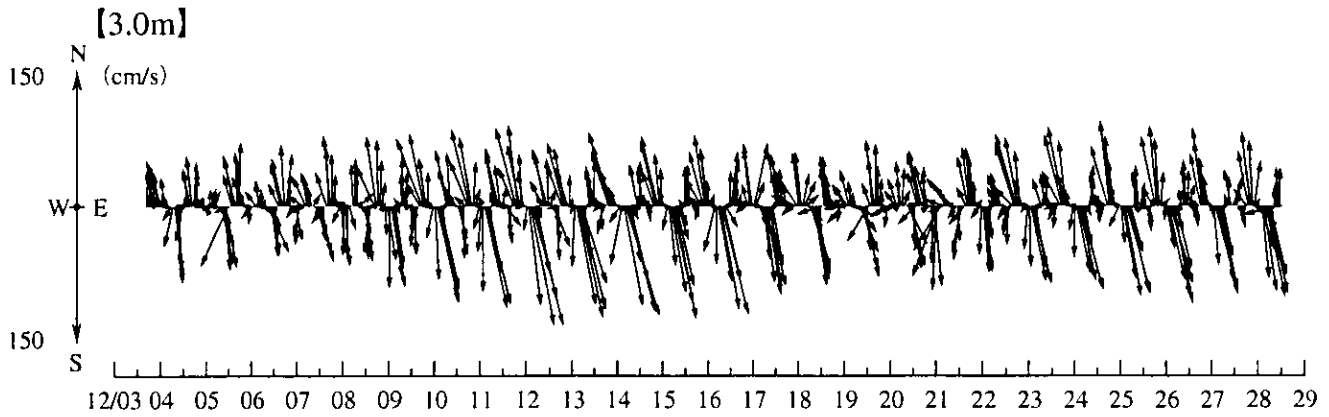
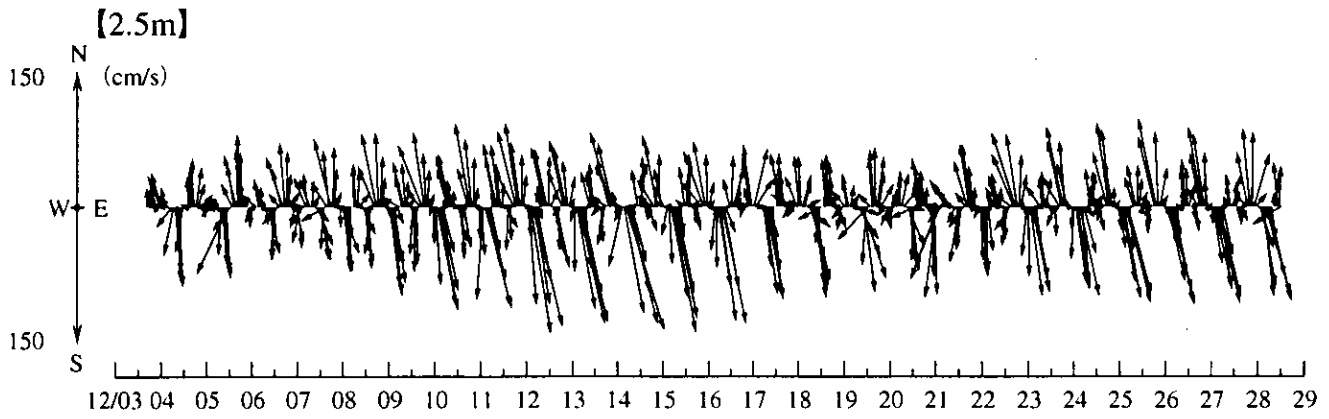
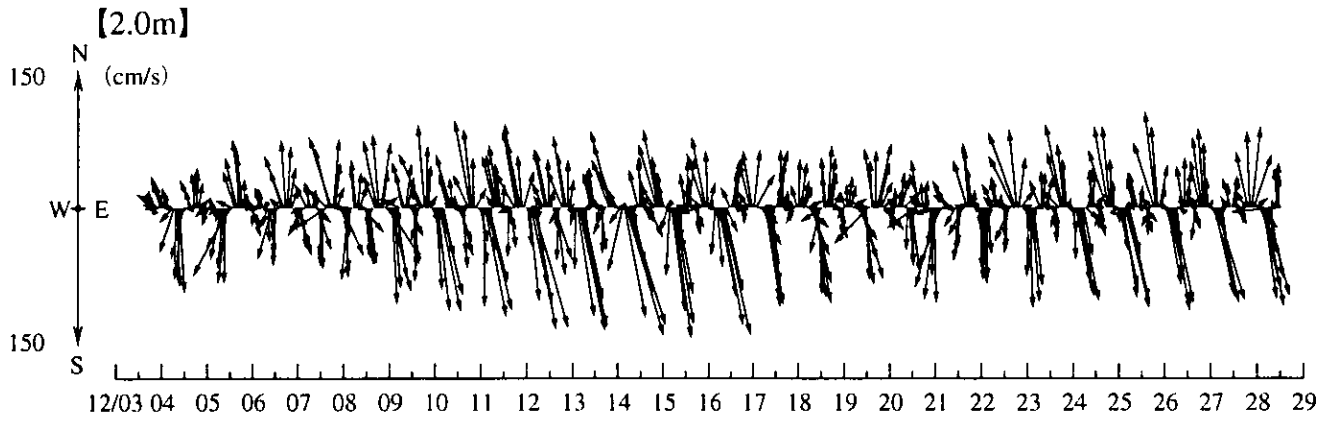
Time Series of Current Vector
(P12 and P19, Neap Tide: Dec. 12 - 13, 2000)



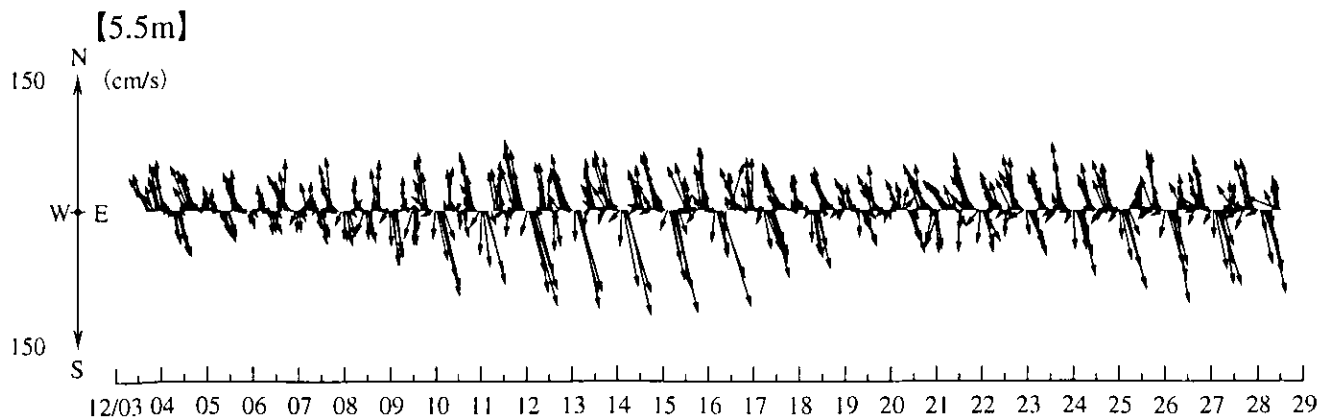
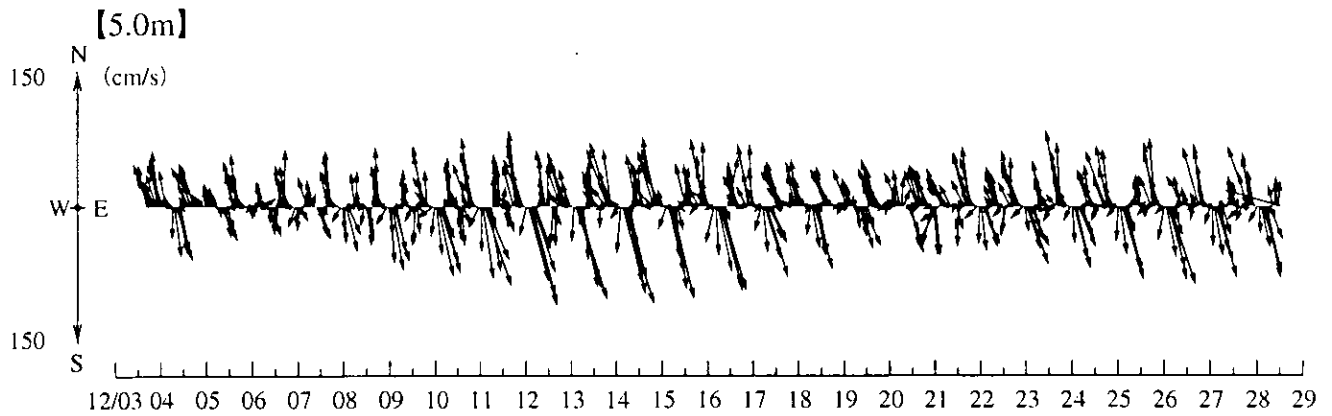
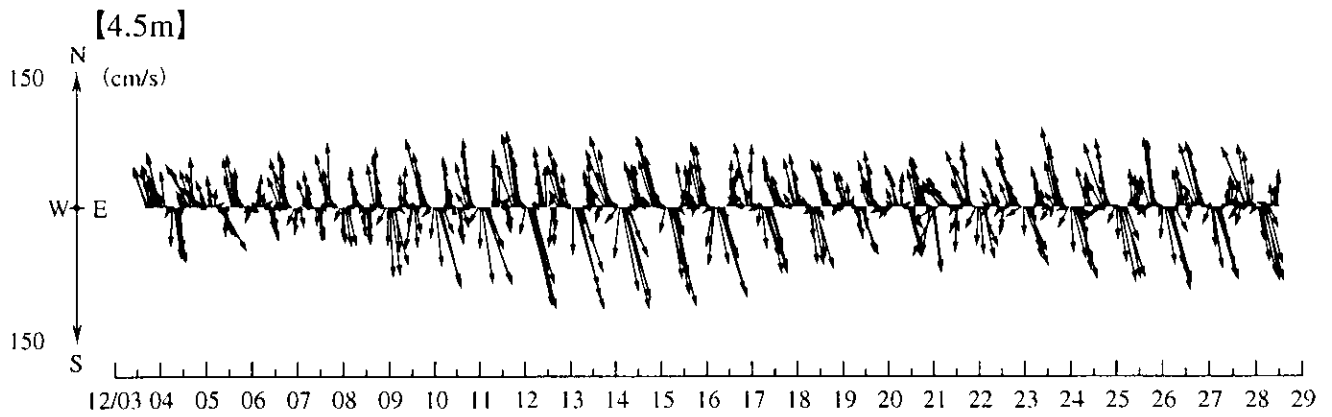
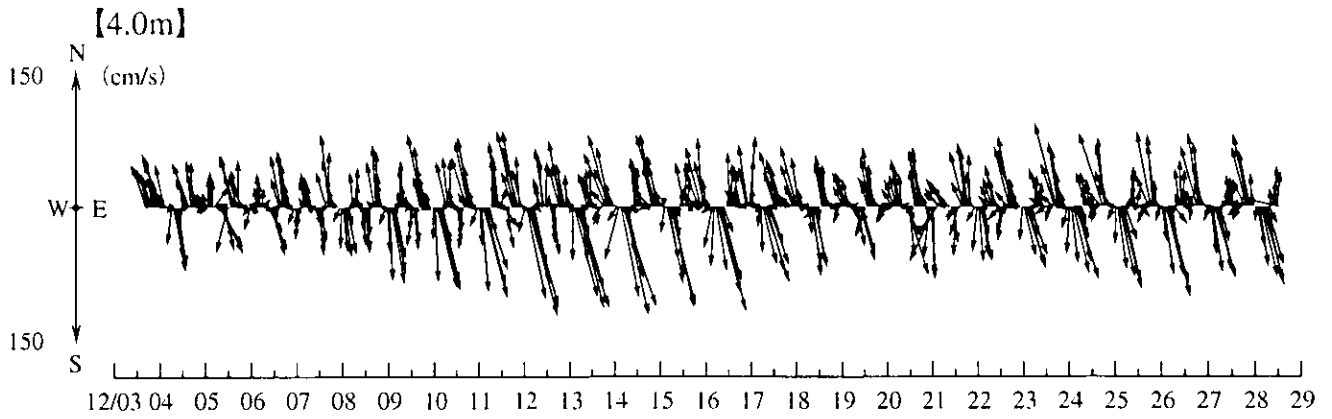
Time Series of Current Vector
(P20 and P22, Neap Tide: Dec. 11 - 12, 2000)



Time Series of Multi-Layer Current Vector
 (ADCP, P11, 0.0 - 1.5m, Dec. 3 - 28, 2000)
 D - 154

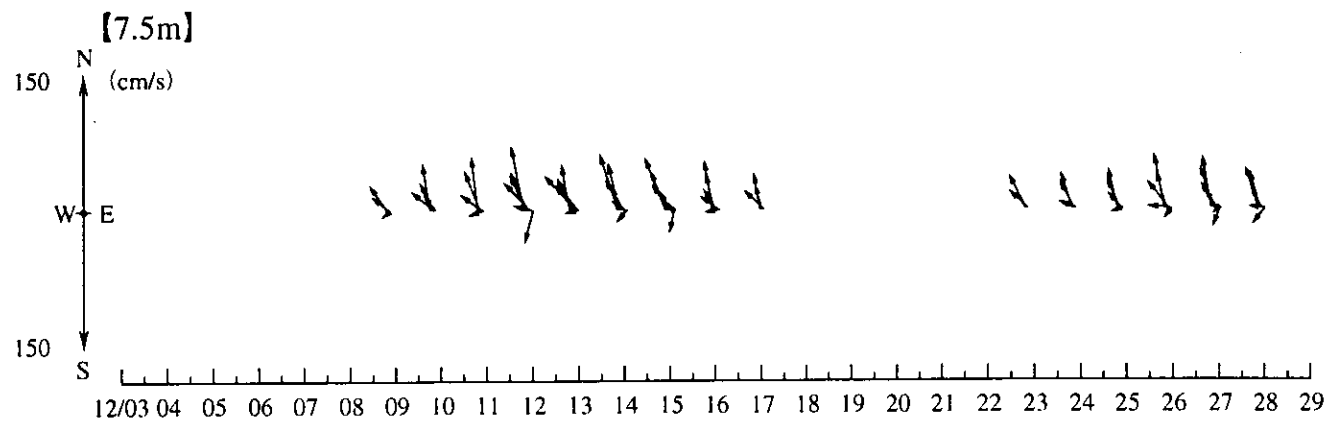
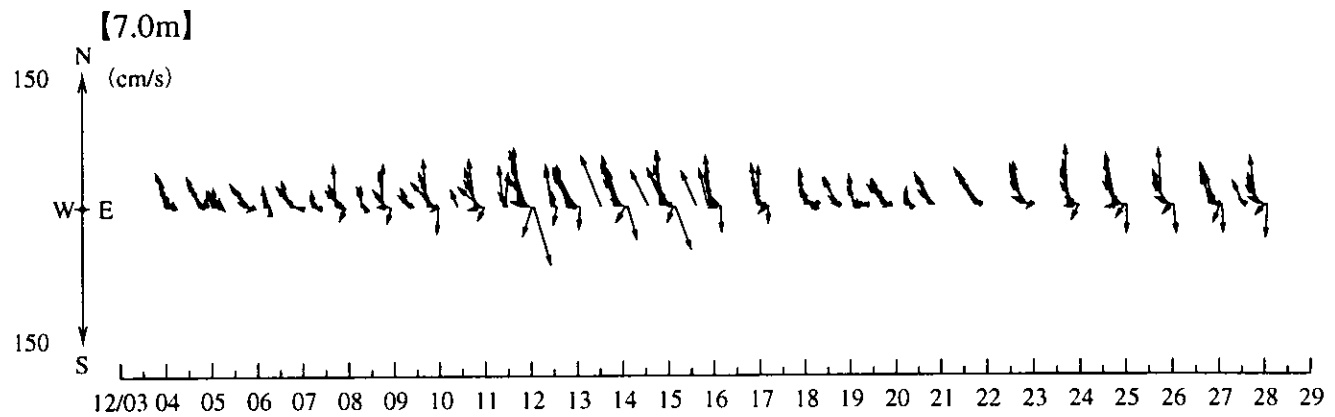
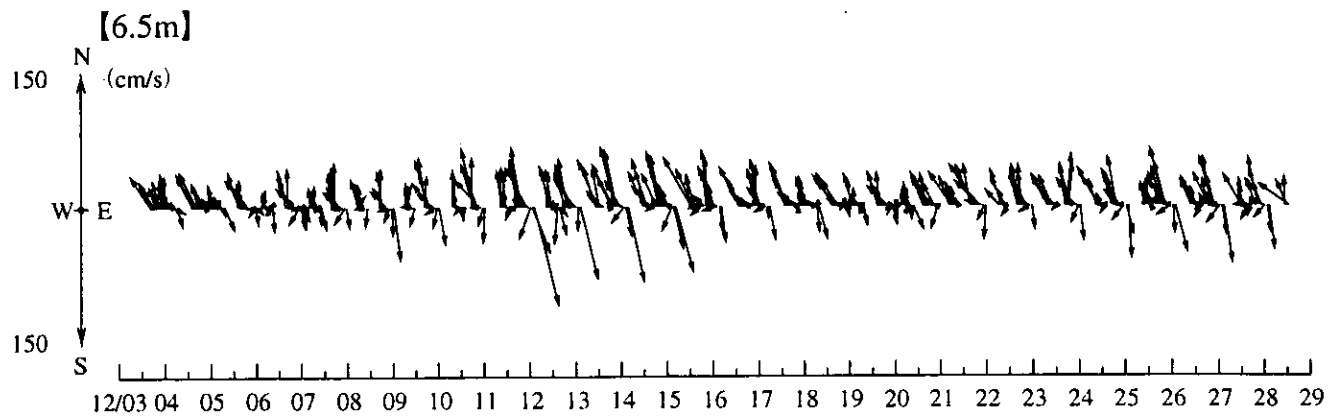
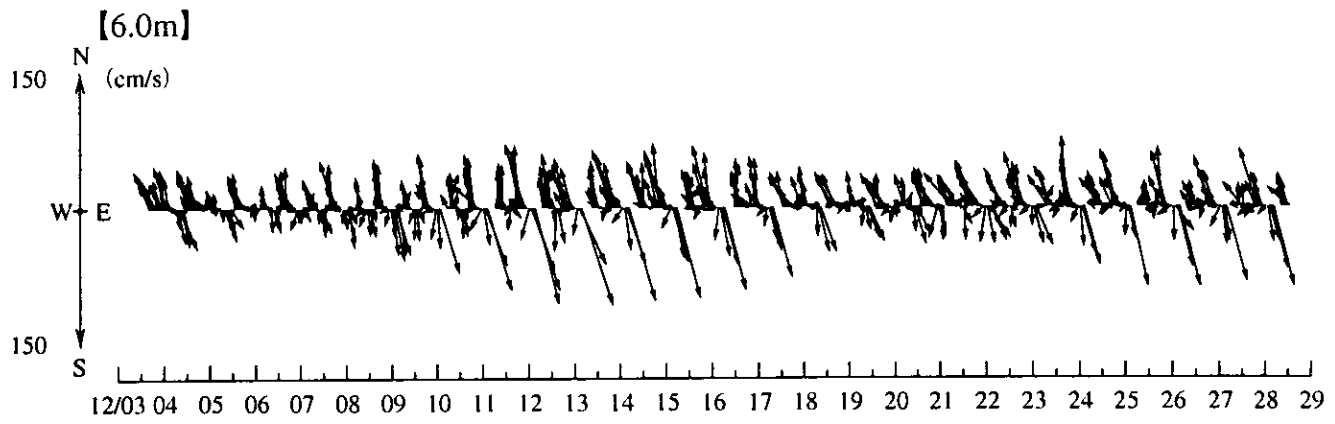


Time Series of Multi - Layer Current Vector
 (ADCP, P11, 2.0 - 3.5m, Dec. 3 - 28, 2000)

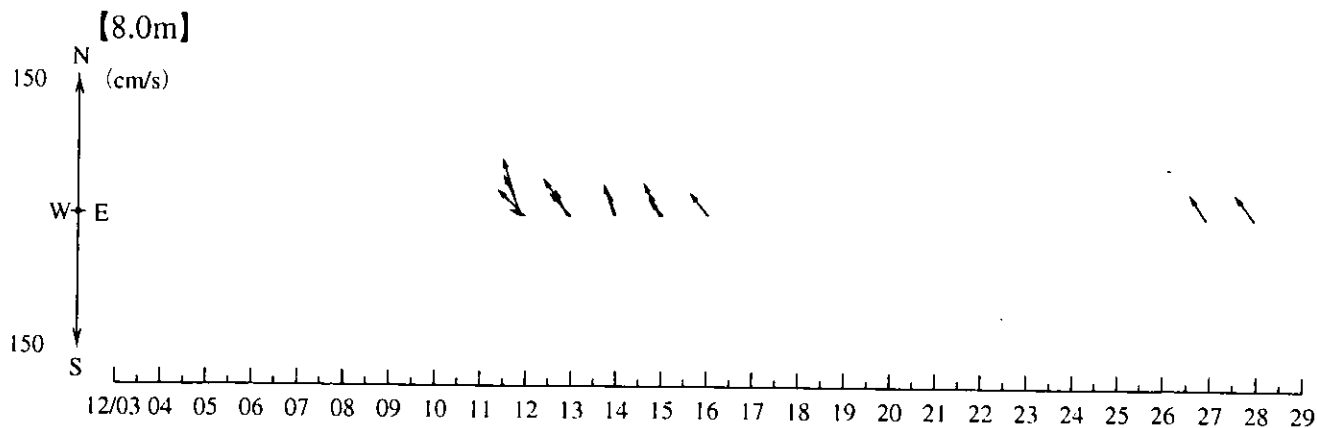


Time Series of Multi - Layer Current Vector

(ADCP, P11, 4.0 - 5.5m, Dec. 3 - 28, 2000)

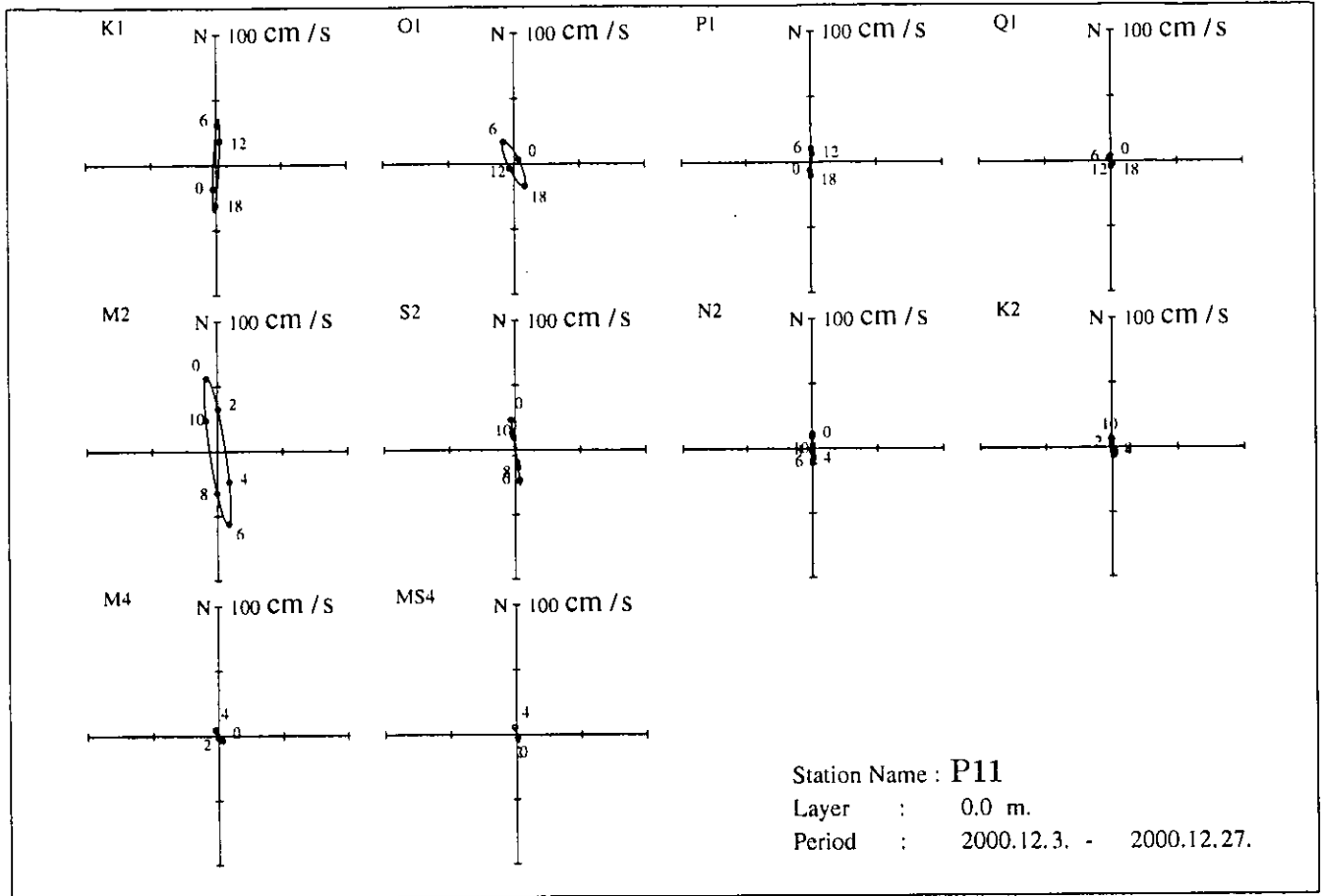


Time Series of Multi - Layer Current Vector
 (ADCP, P11, 5.0 - 7.5m, Dec. 3 - 28, 2000)

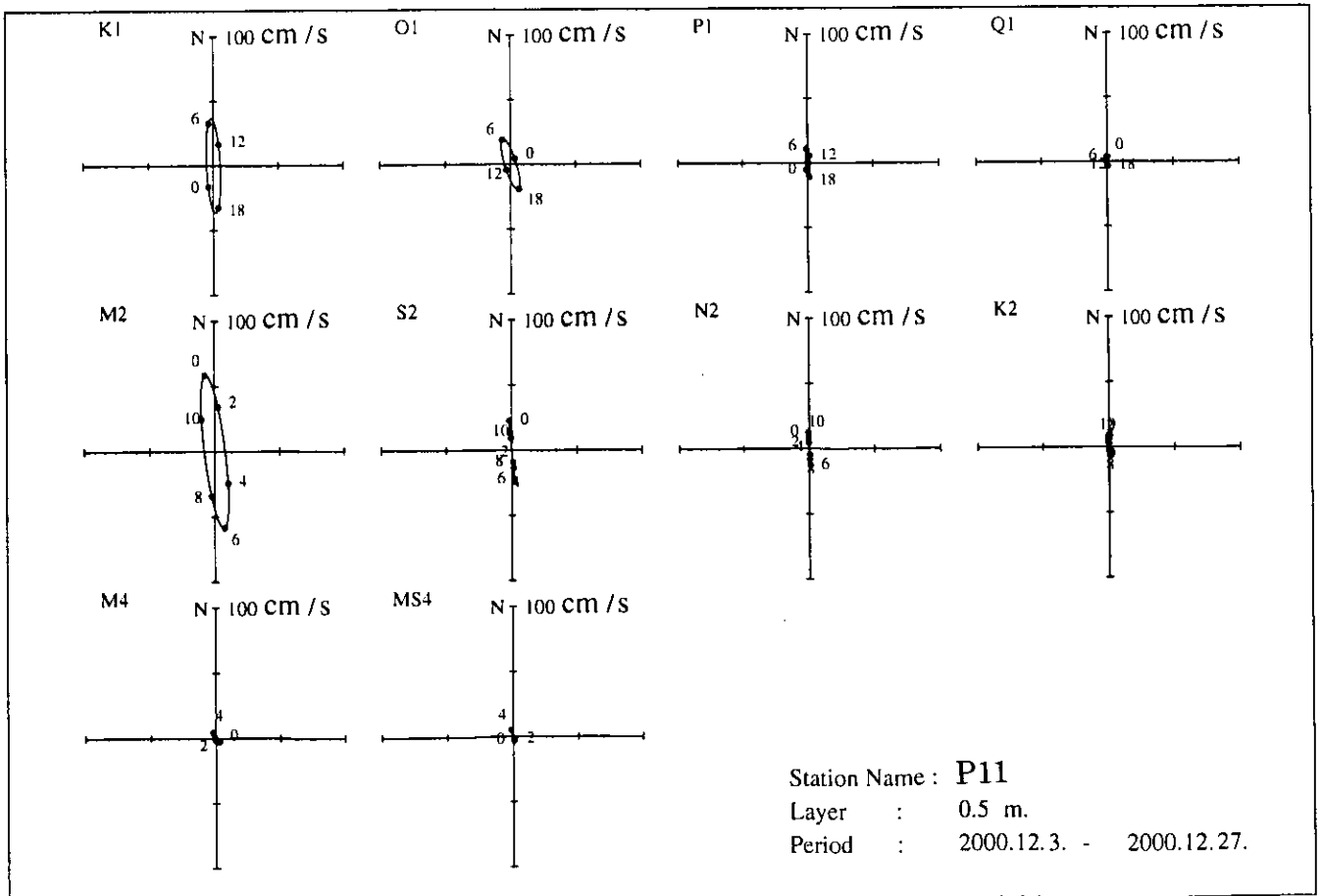


Time Series of Multi - Layer Current Vector
 (ADCP, P11, 8.0m, Dec. 3 - 28, 2000)
 D - 158

[0.0m]

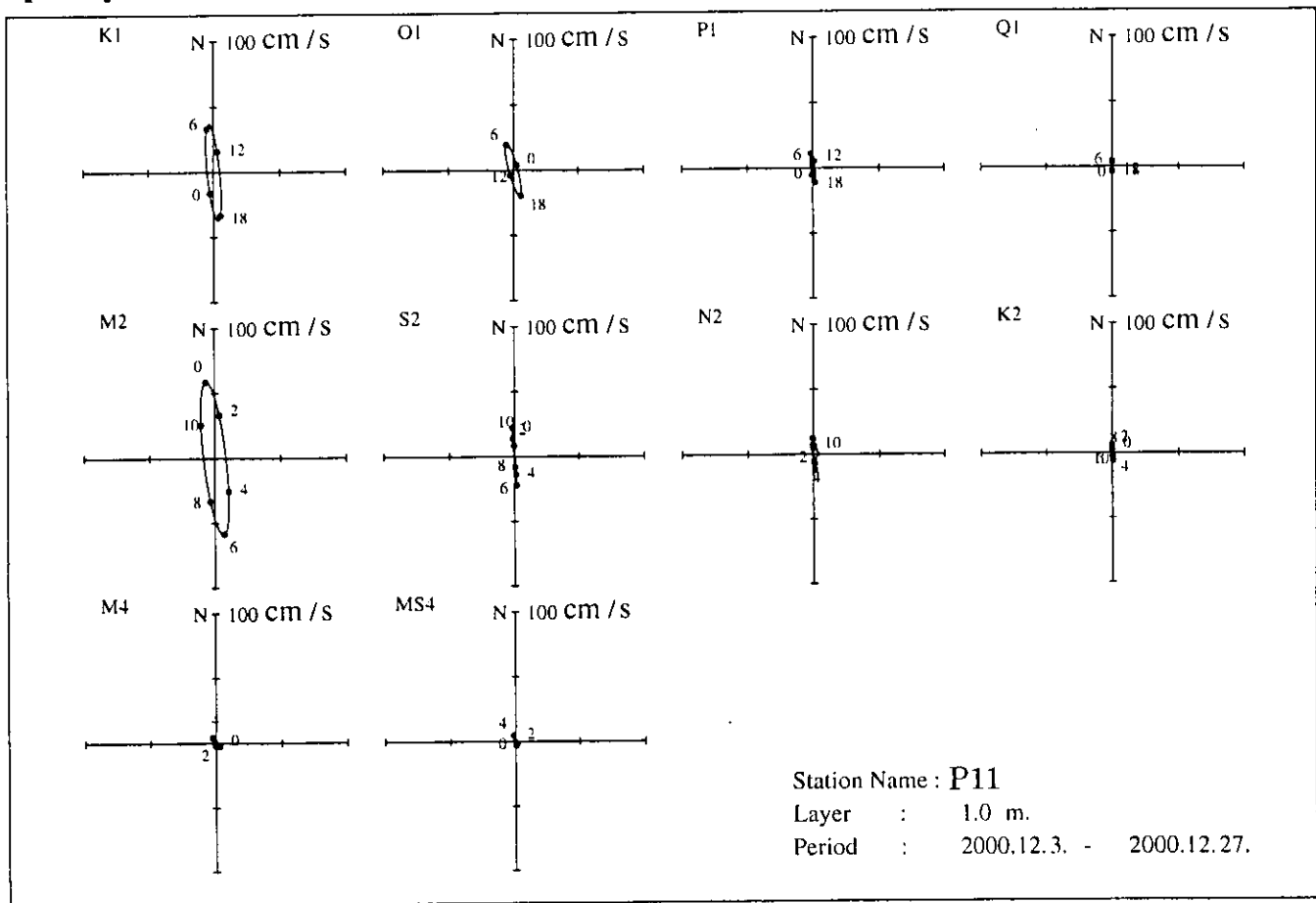


[0.5m]

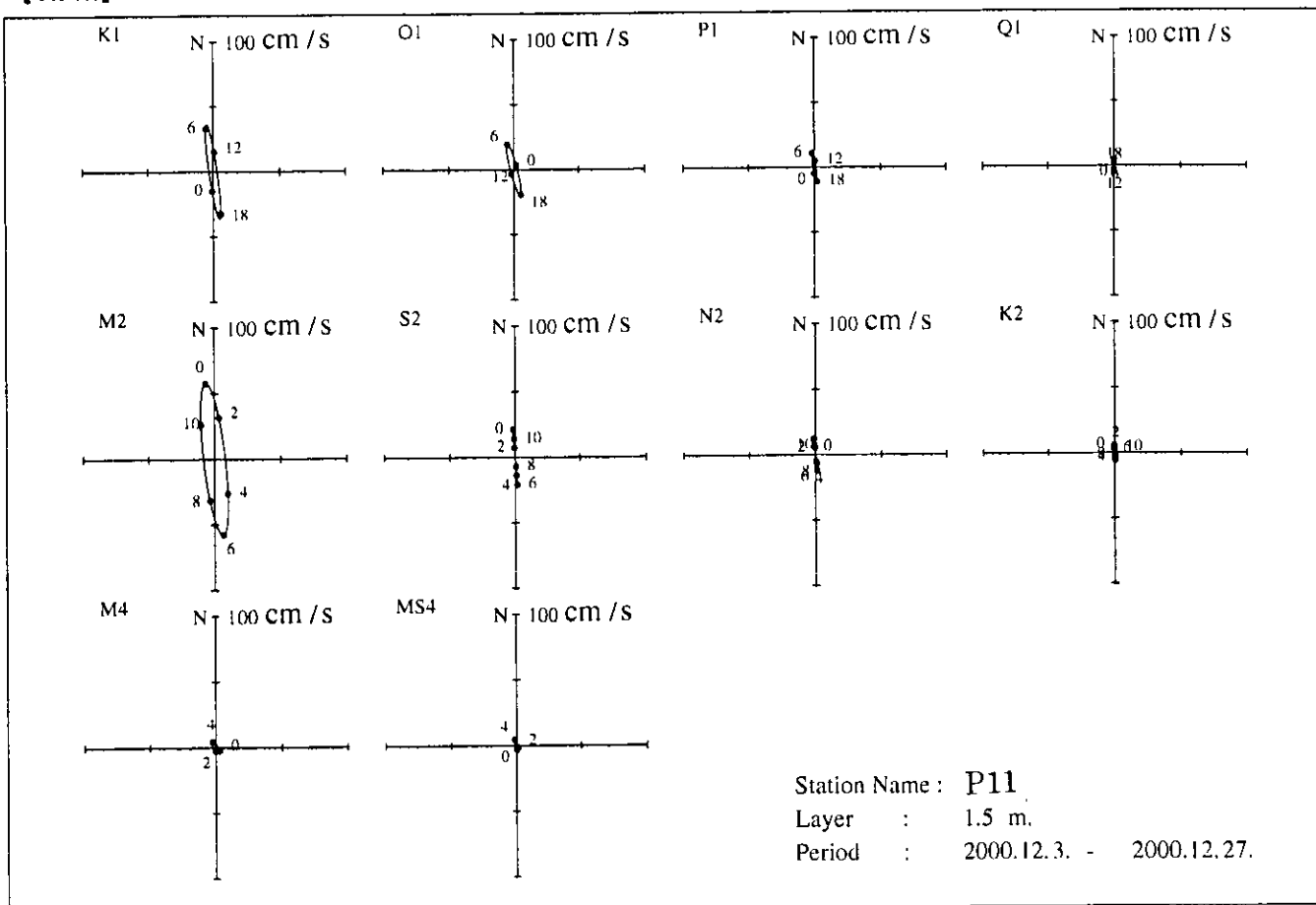


Current Ellipse (ADCP)

[1.0m]

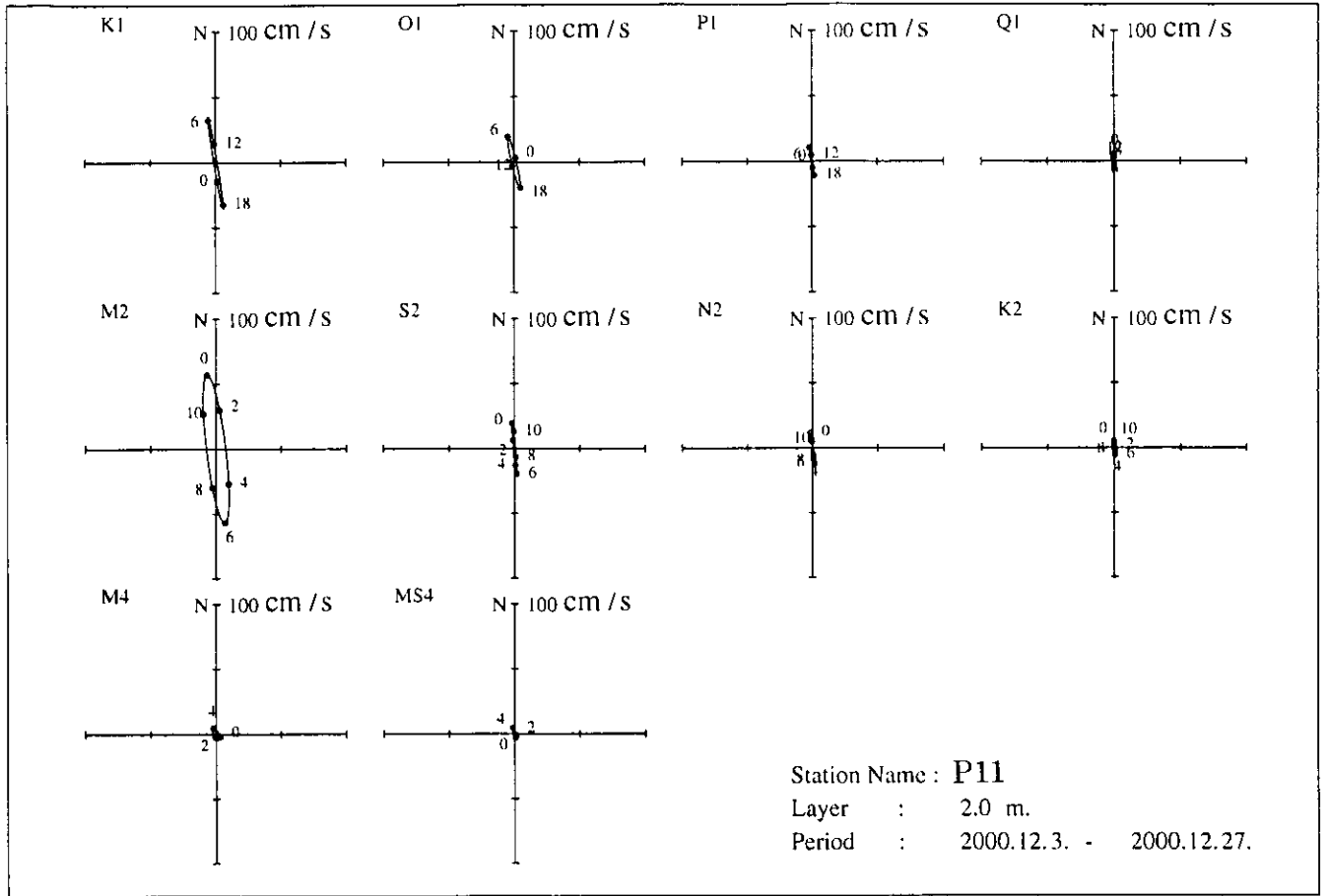


[1.5m]

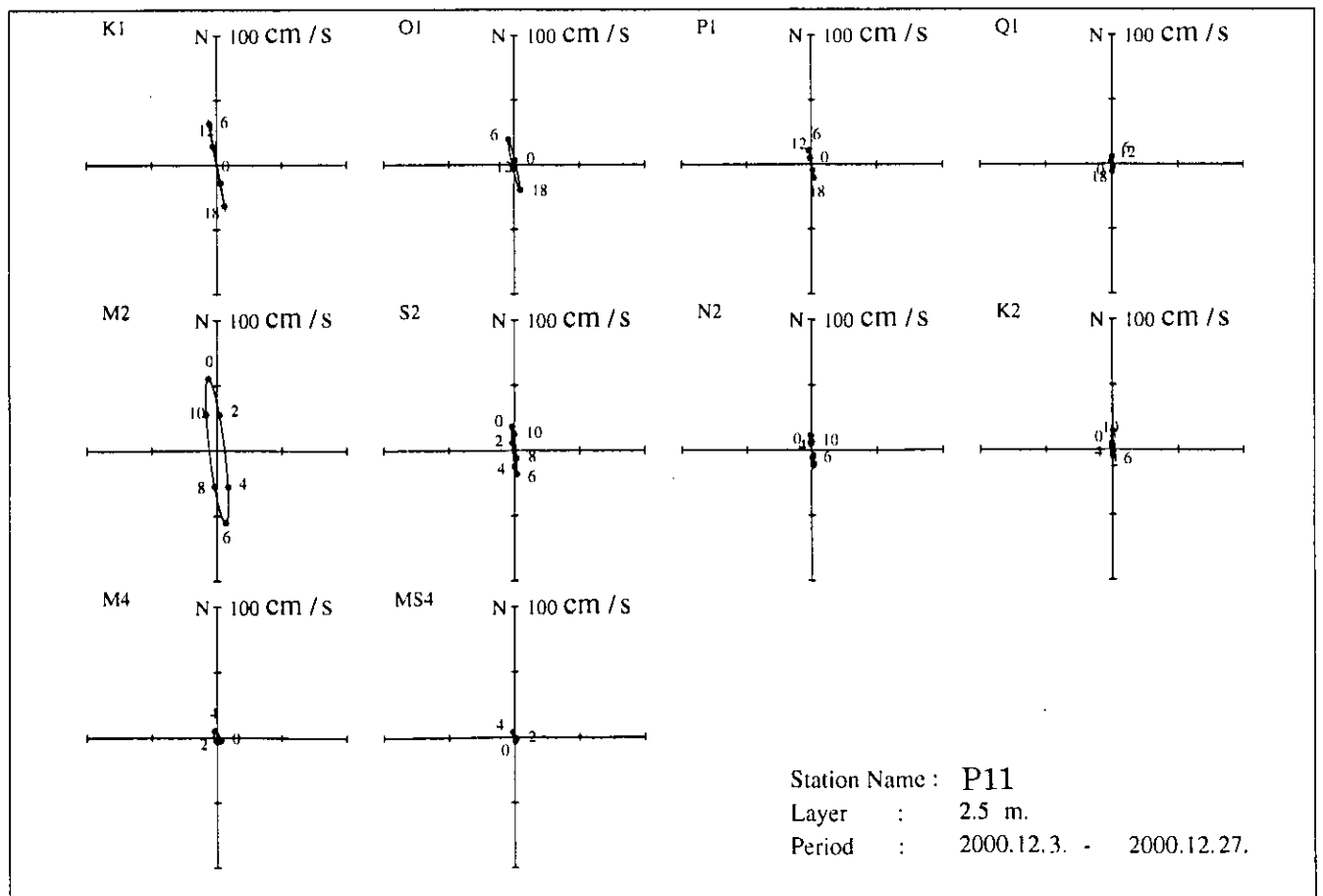


Current Ellipse (ADCP)

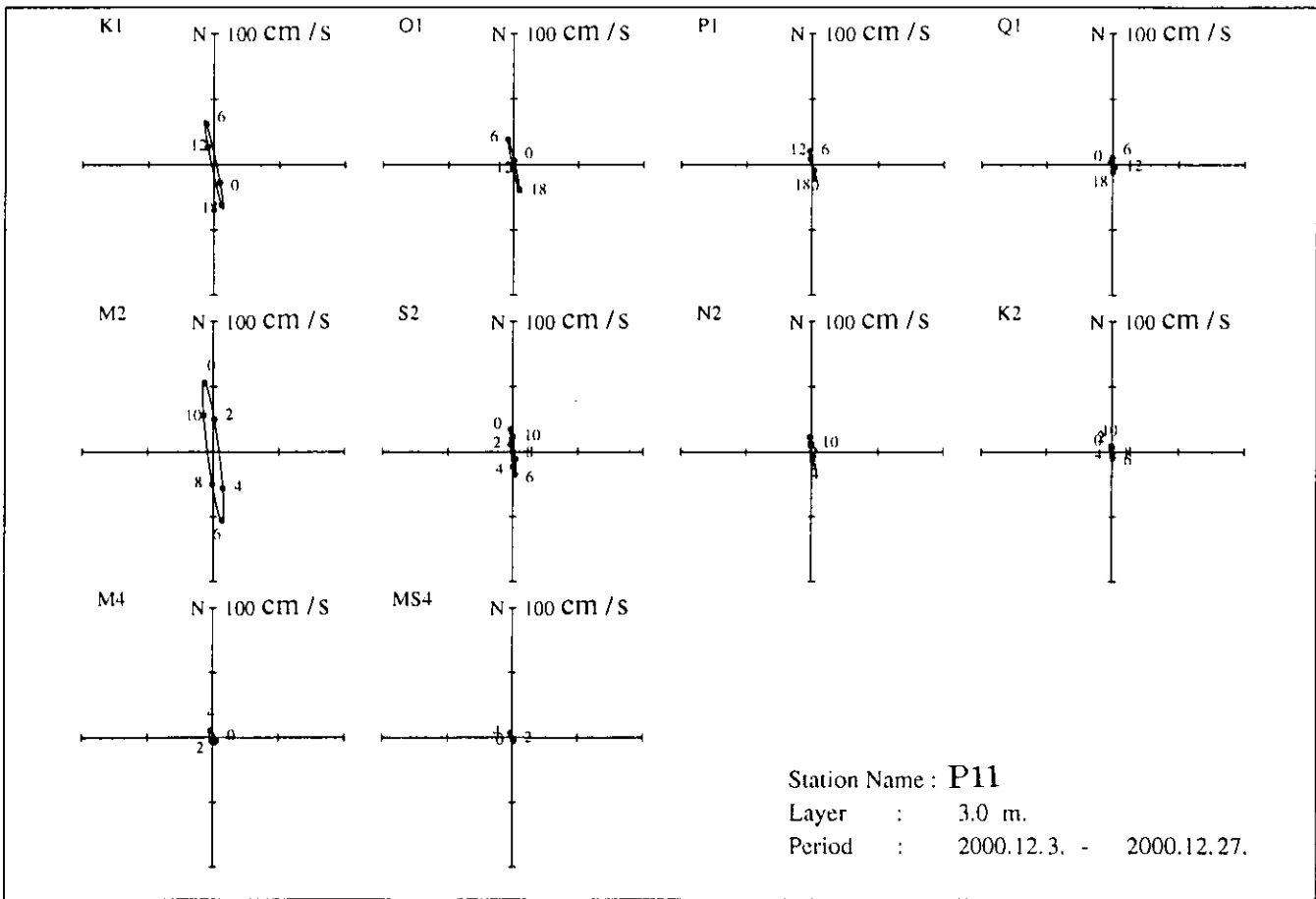
[2.0m]



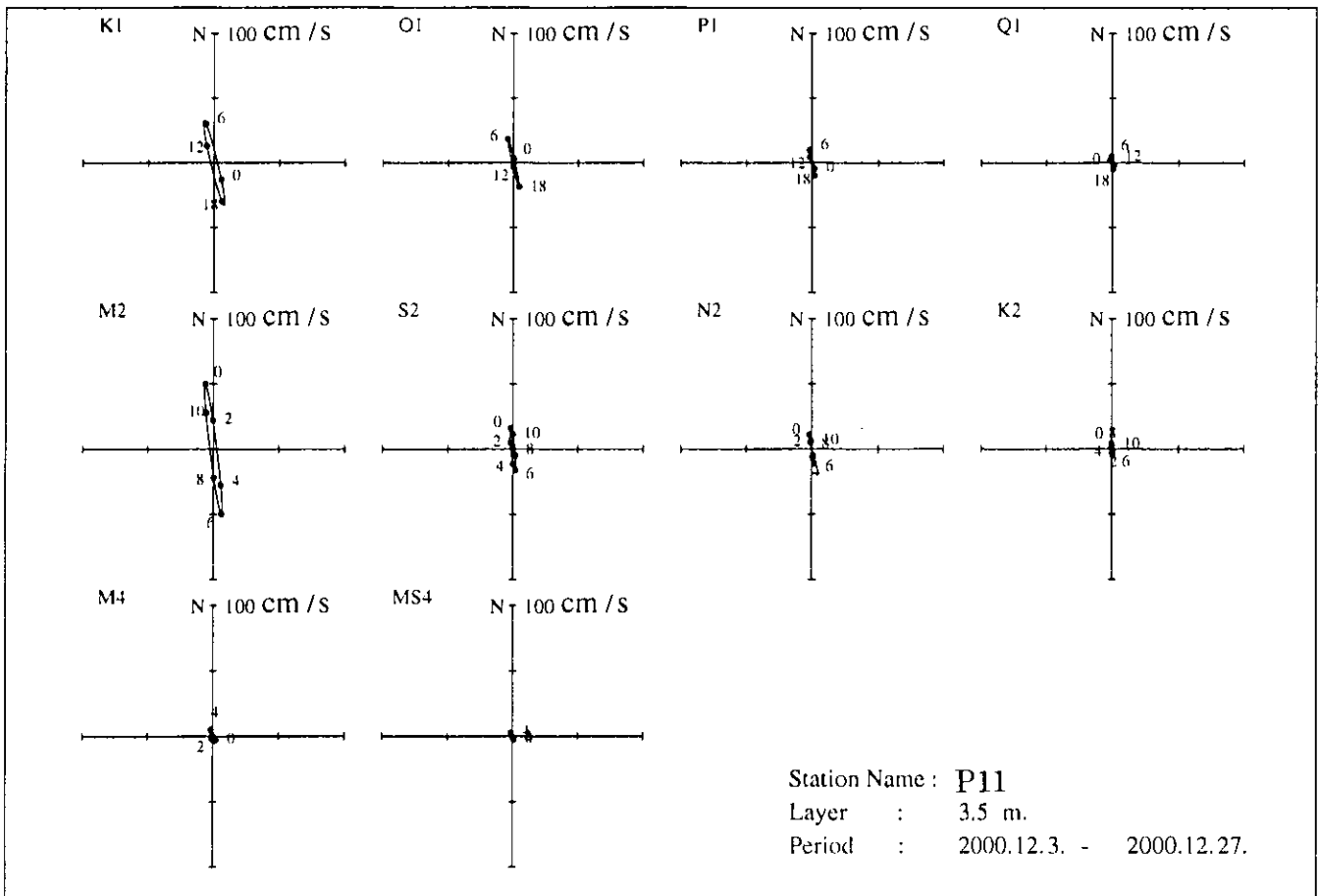
[2.5m]



[3.0m]

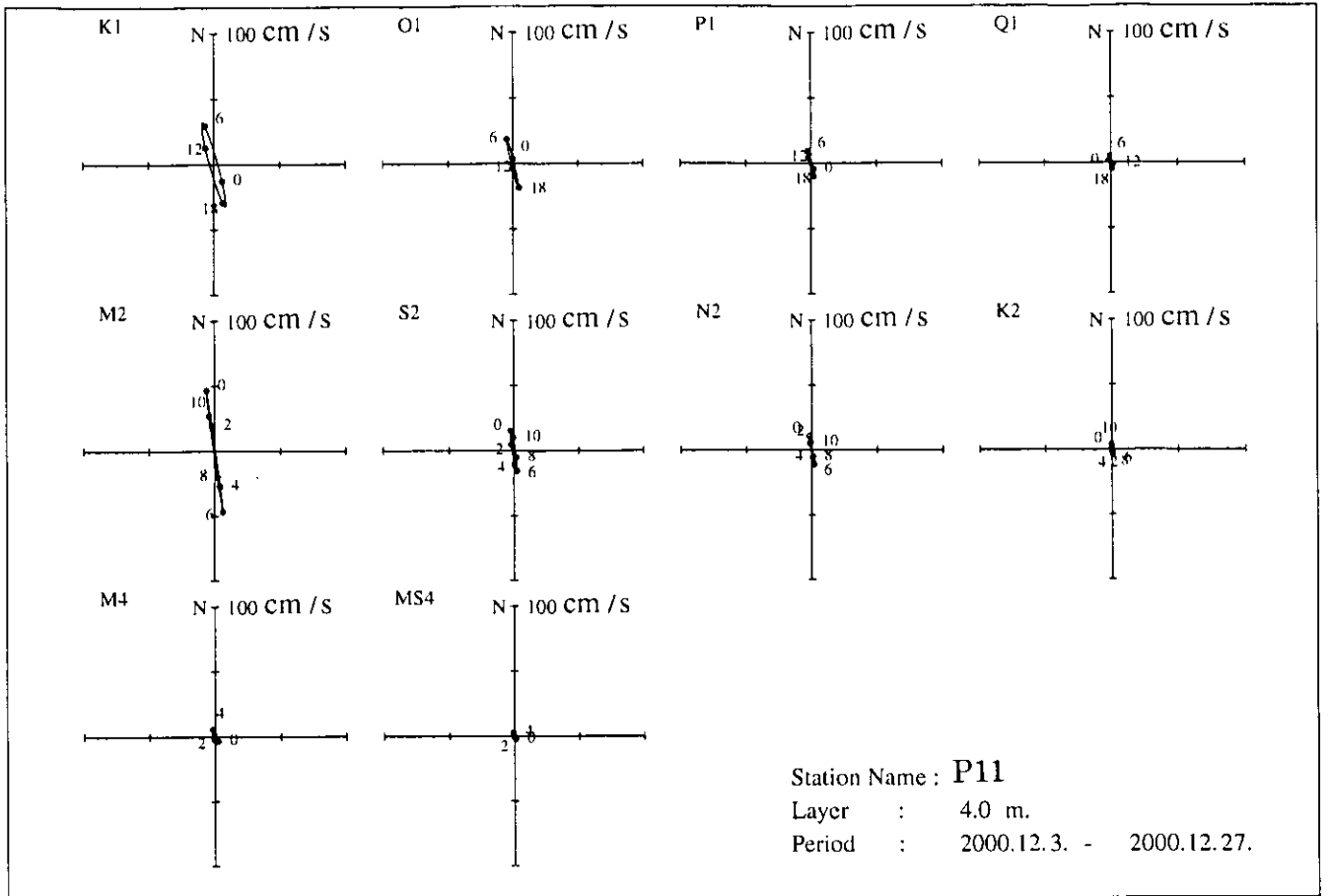


[3.5m]

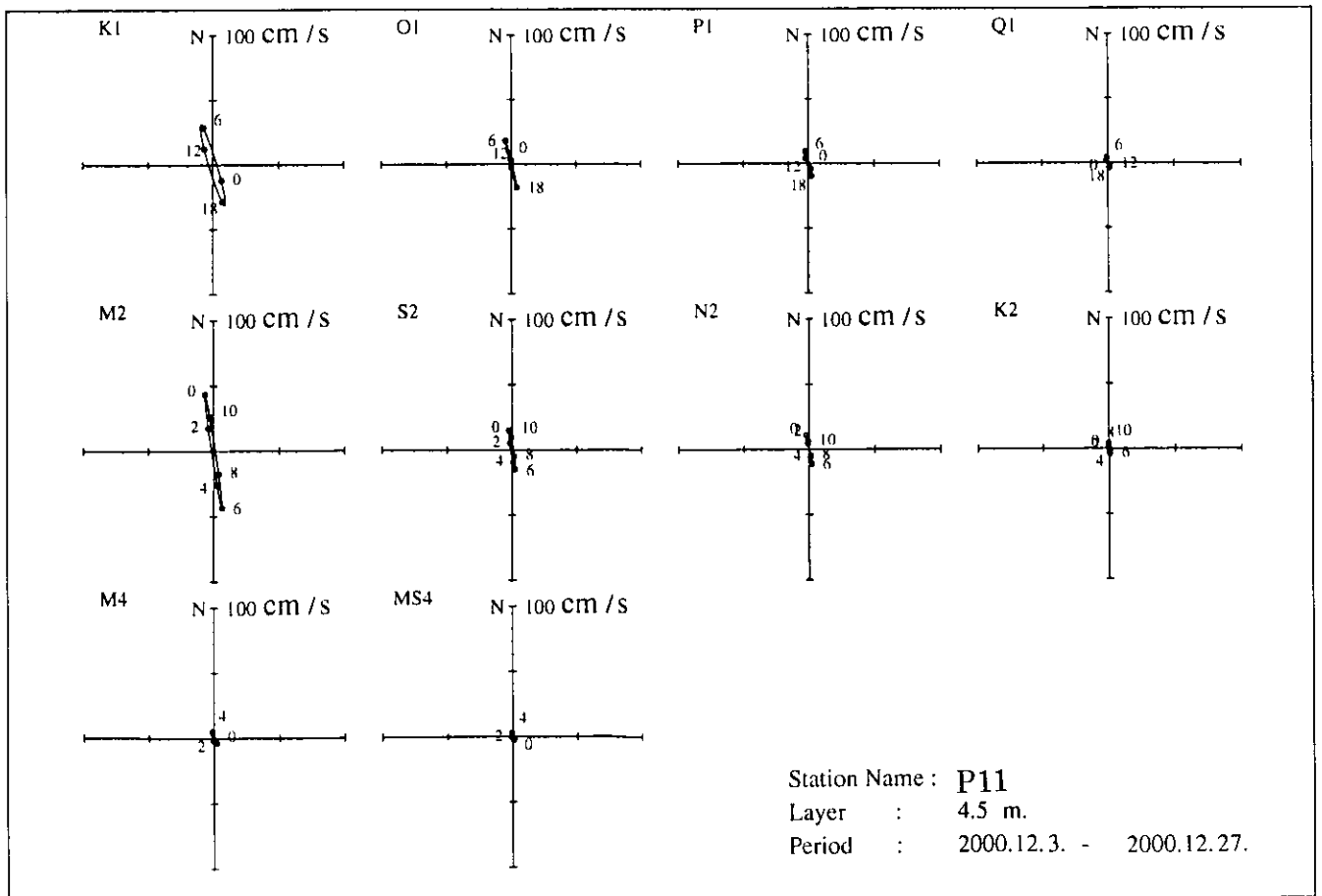


Current Ellipse (ADCP)

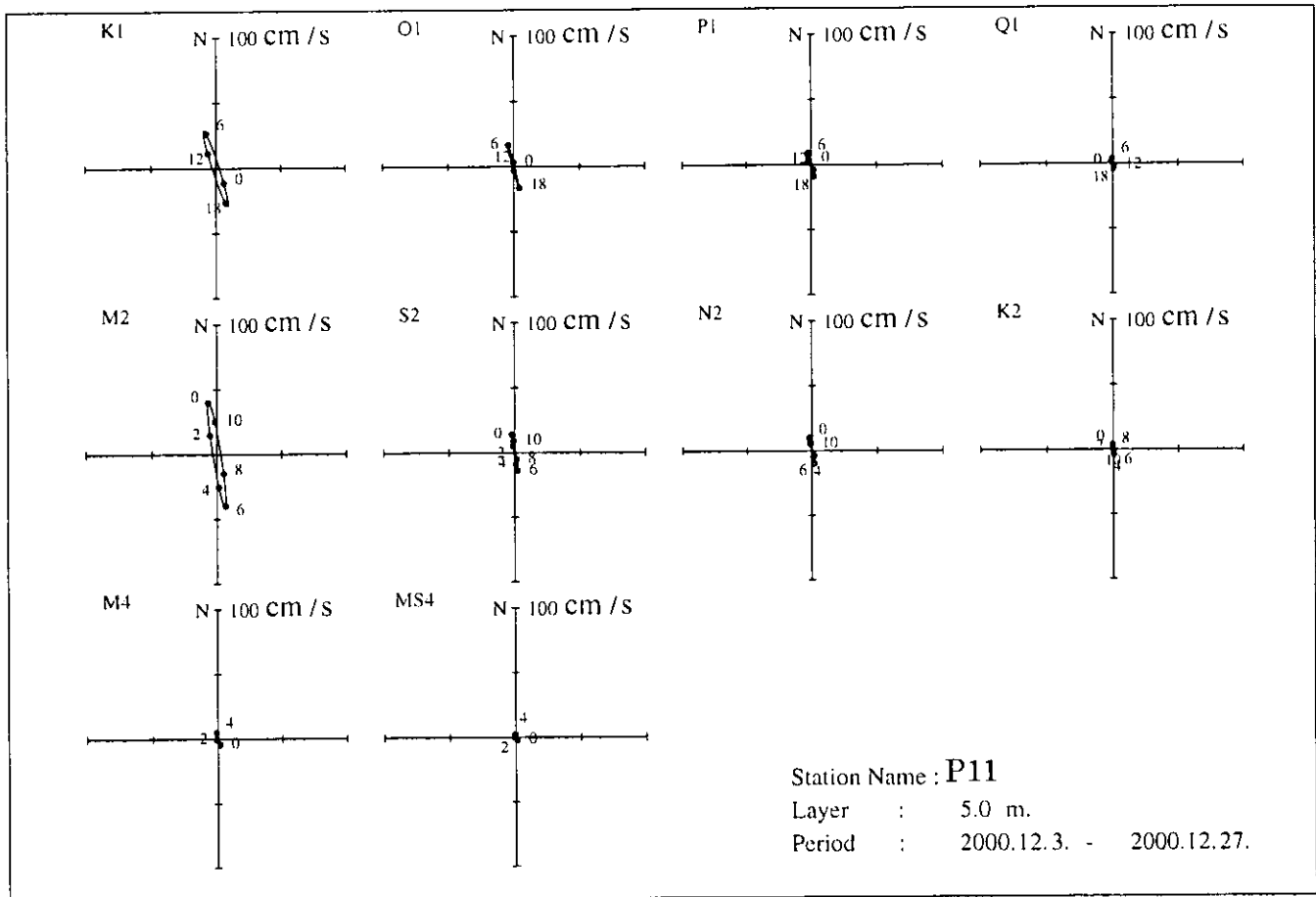
[4.0m]



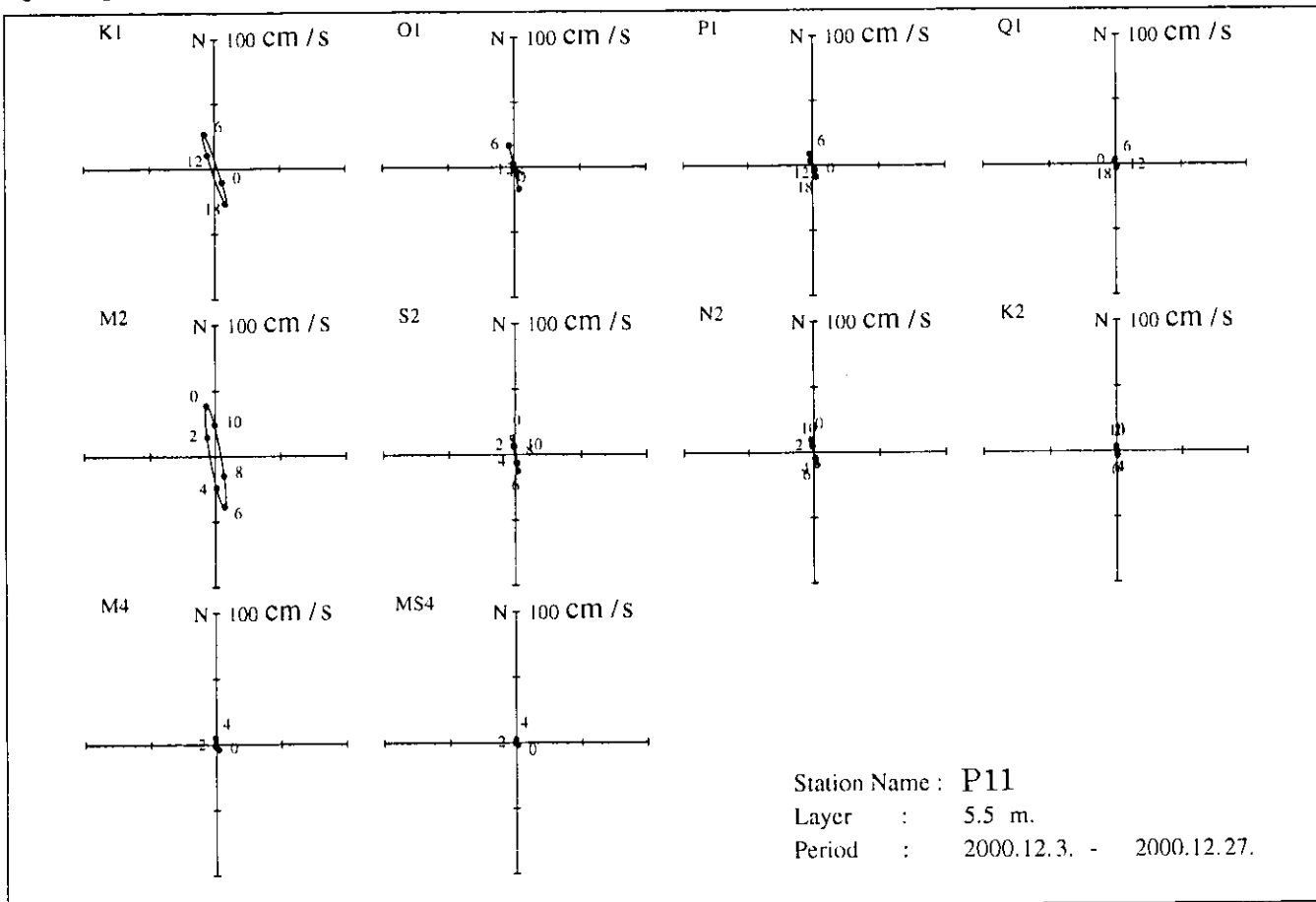
[4.5m]



[5.0m]

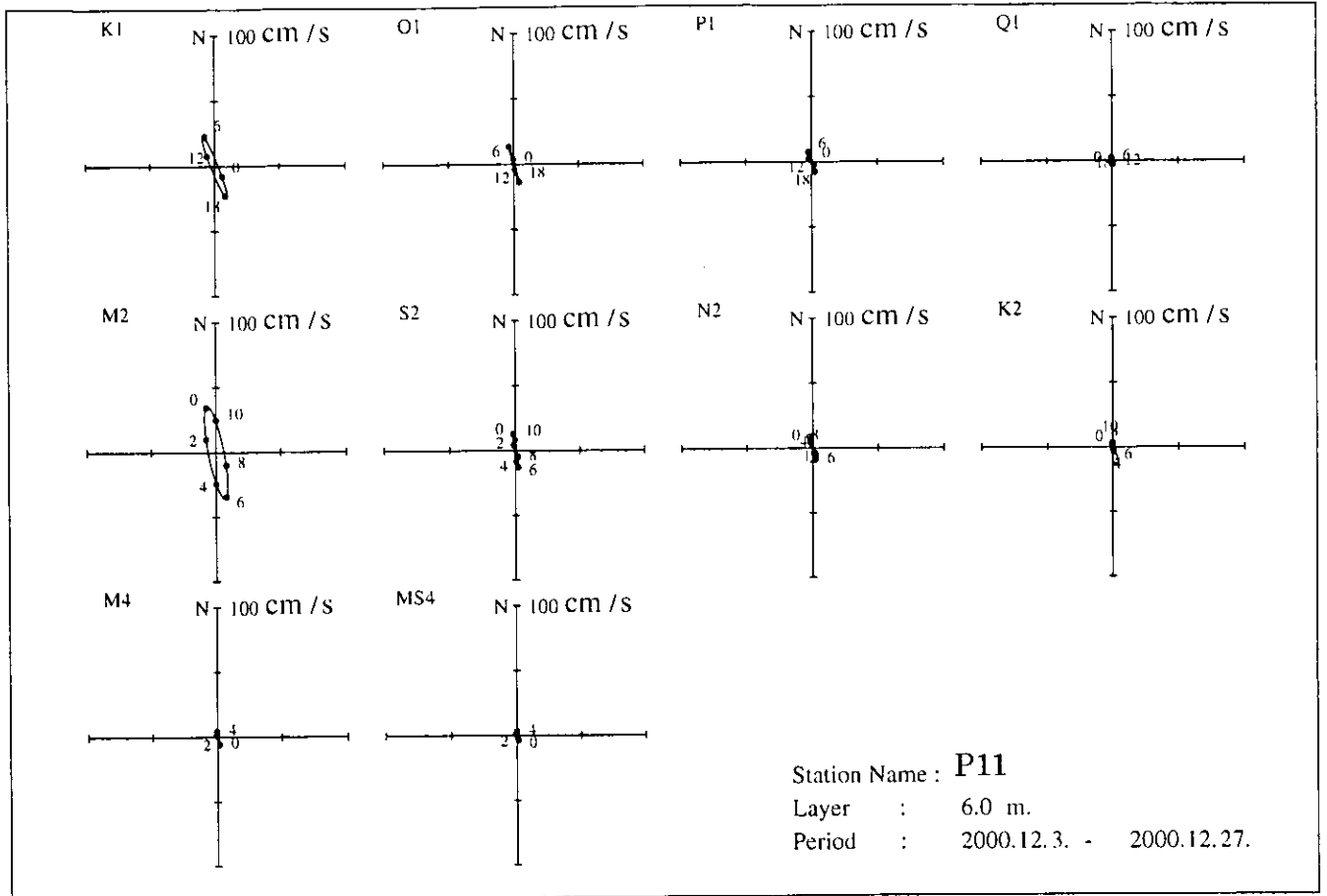


[5.5m]

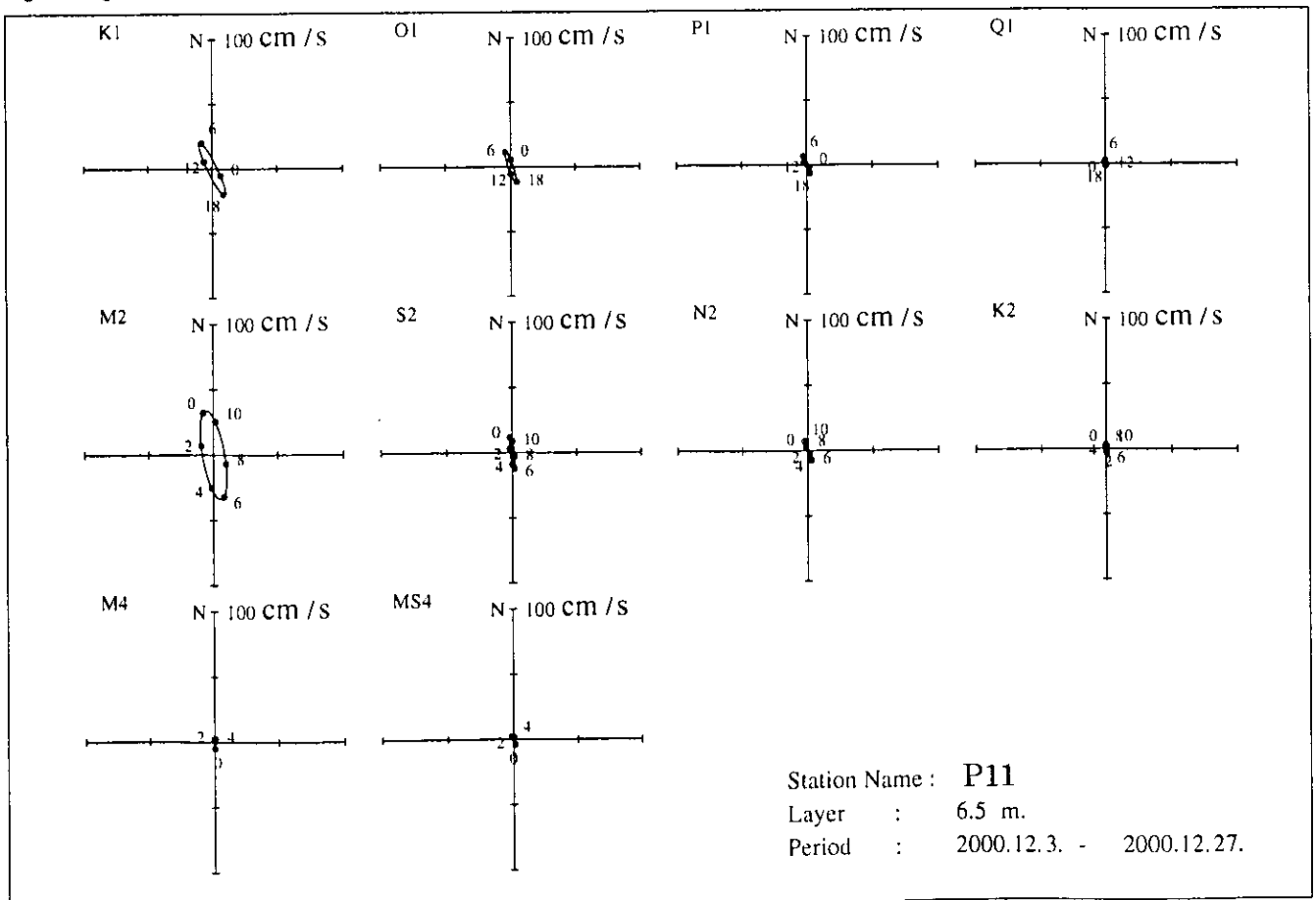


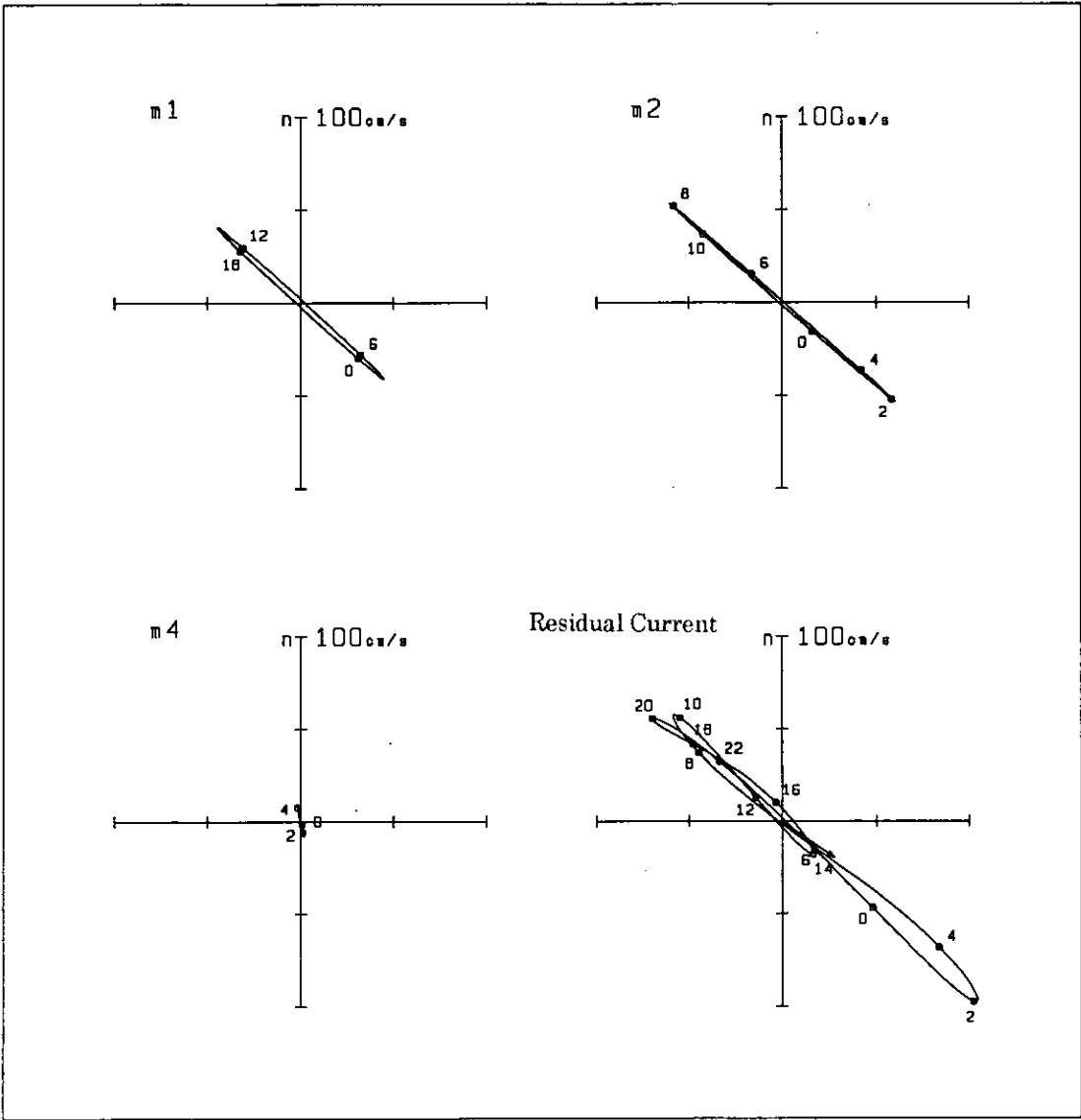
Current Ellipse (ADCP)

[6.0m]



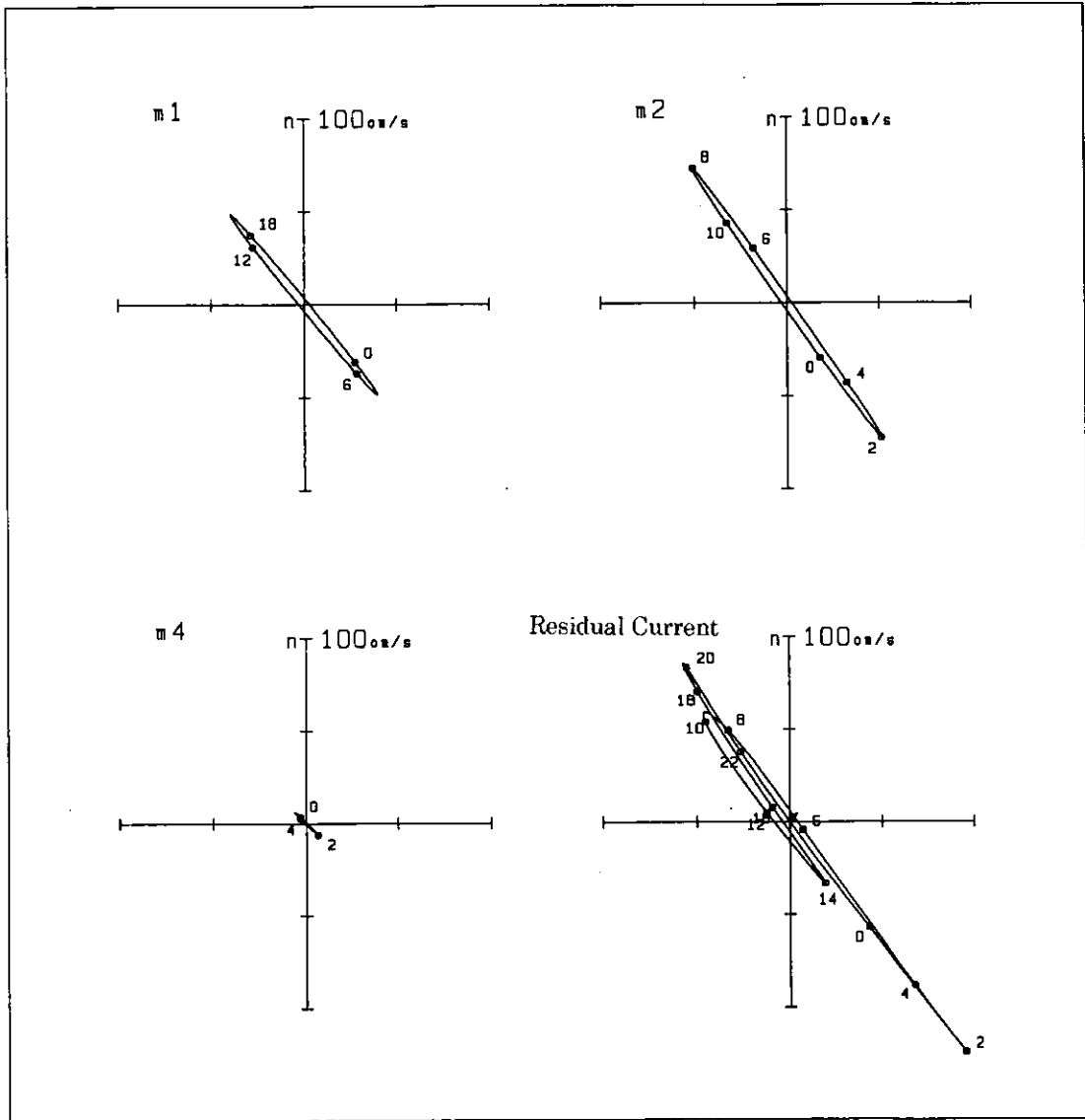
[6.5m]





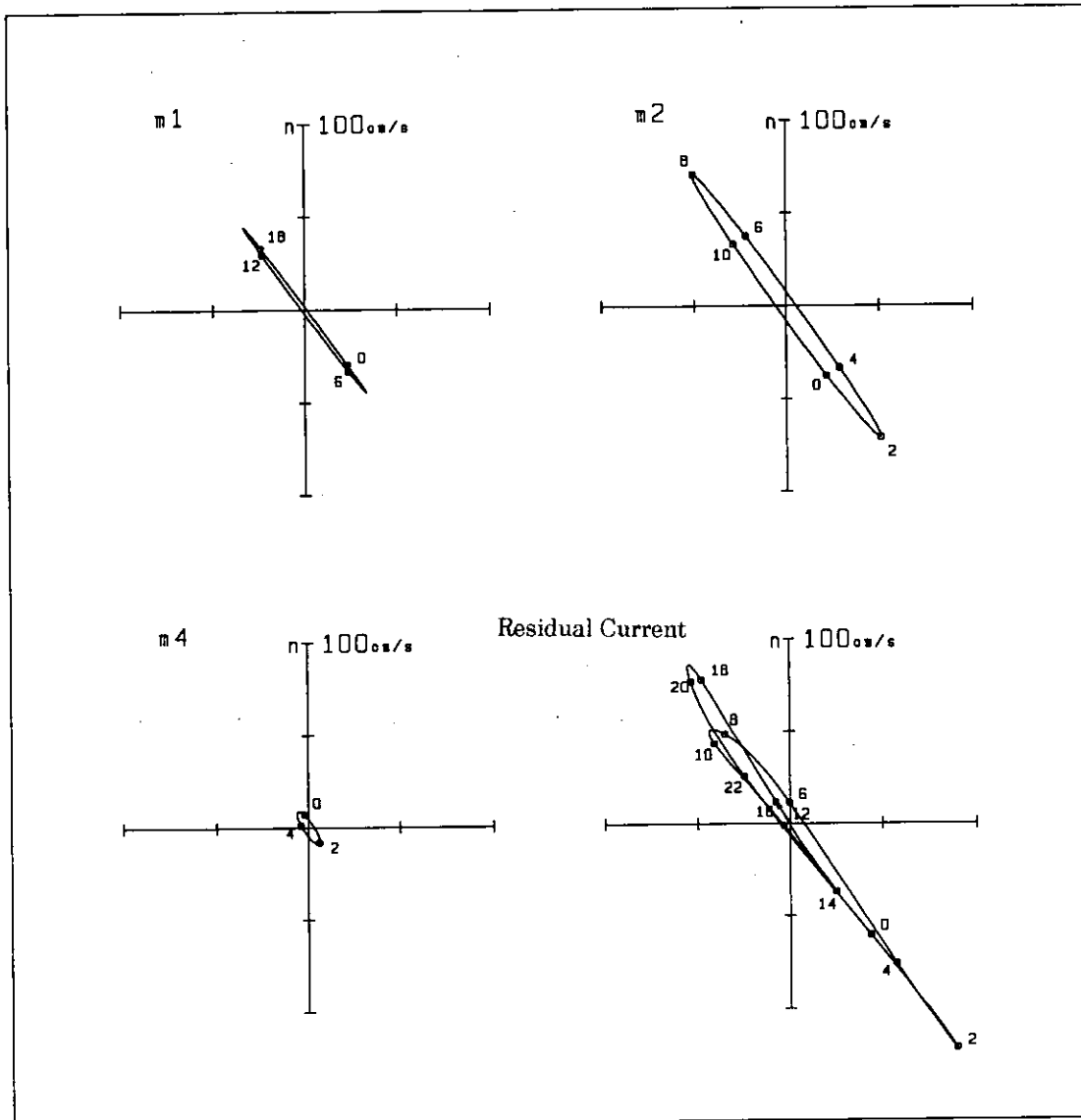
Current Ellipse

(P01, Upper Layer, Spring Tide: Dec. 13 - 14, 2000)



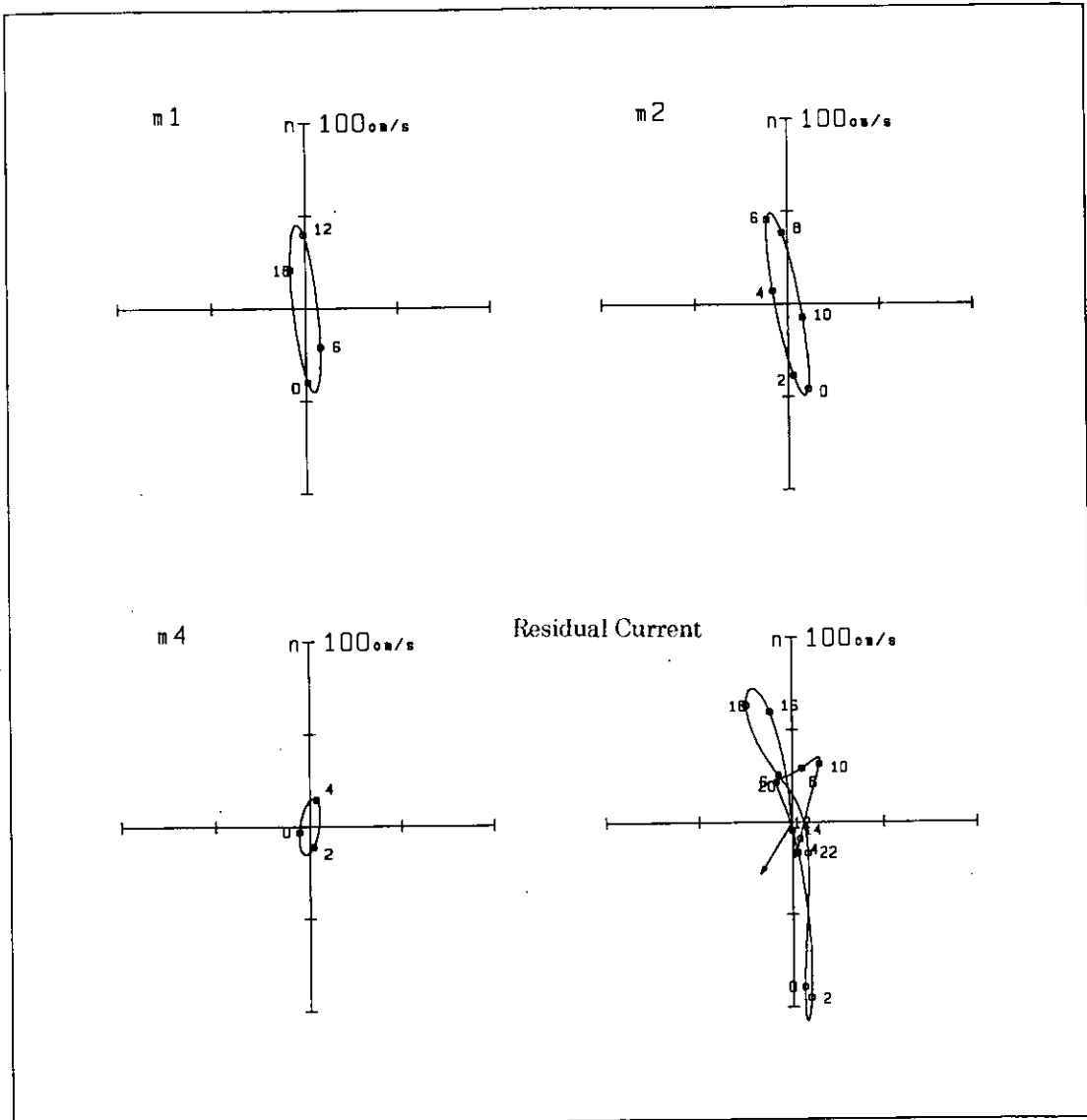
Current Ellipse

(P01, Middle Layer, Spring Tide: Dec. 13 - 14, 2000)



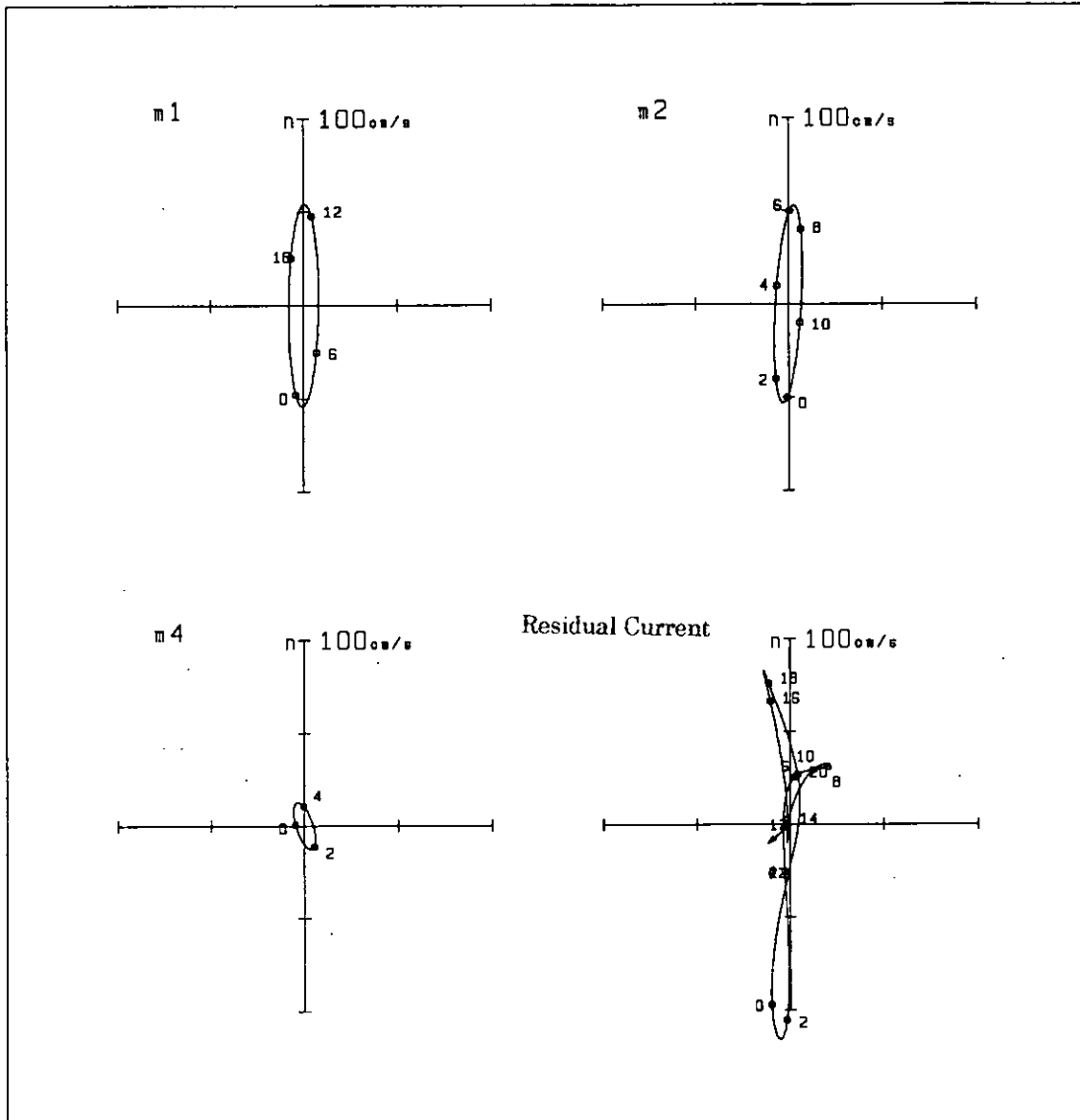
Current Ellipse

(P01, Bottom Layer, Spring Tide: Dec. 13 - 14, 2000)



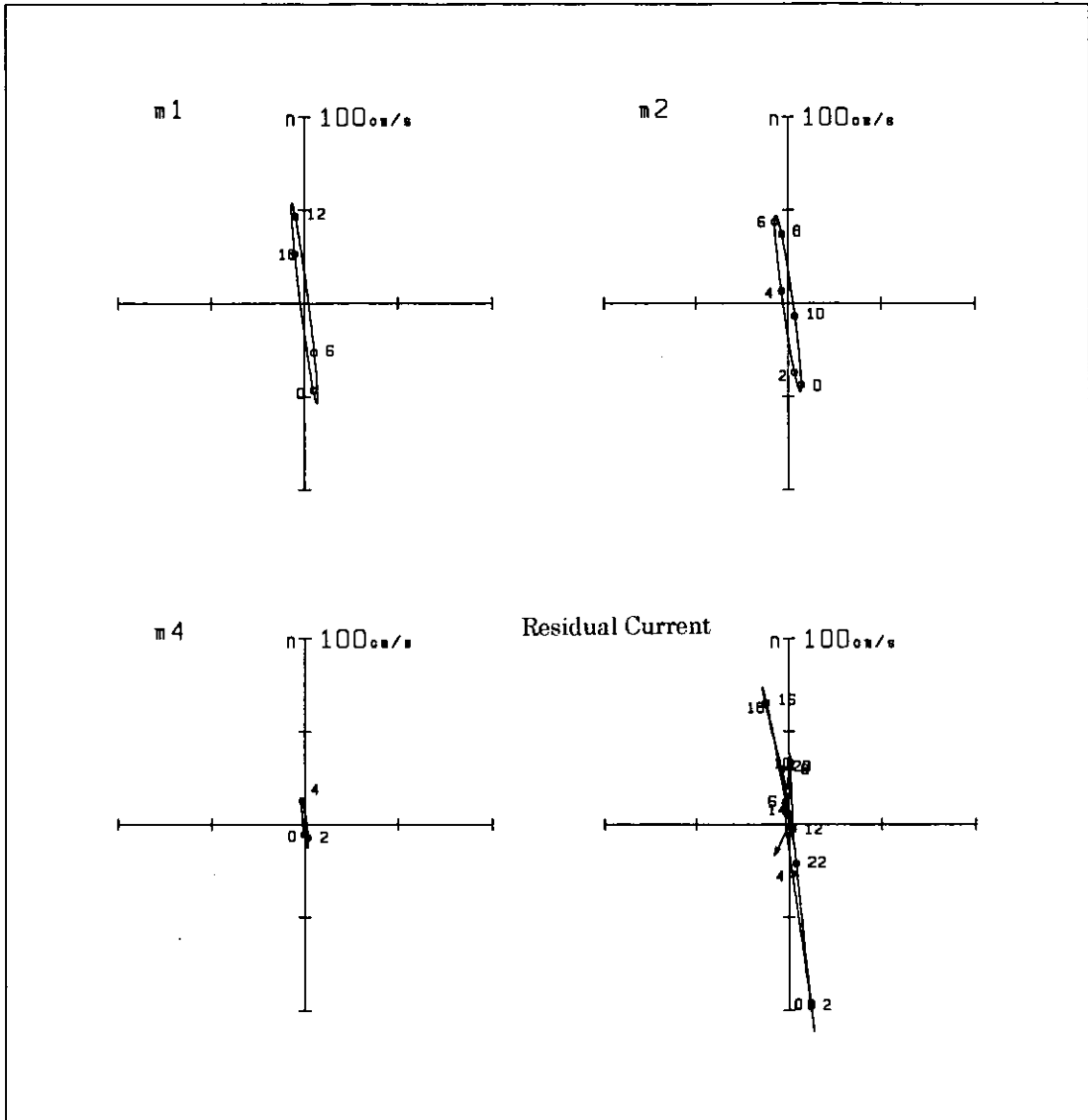
Current Ellipse

(P11, Upper Layer, Spring Tide: Dec. 13 · 14, 2000)



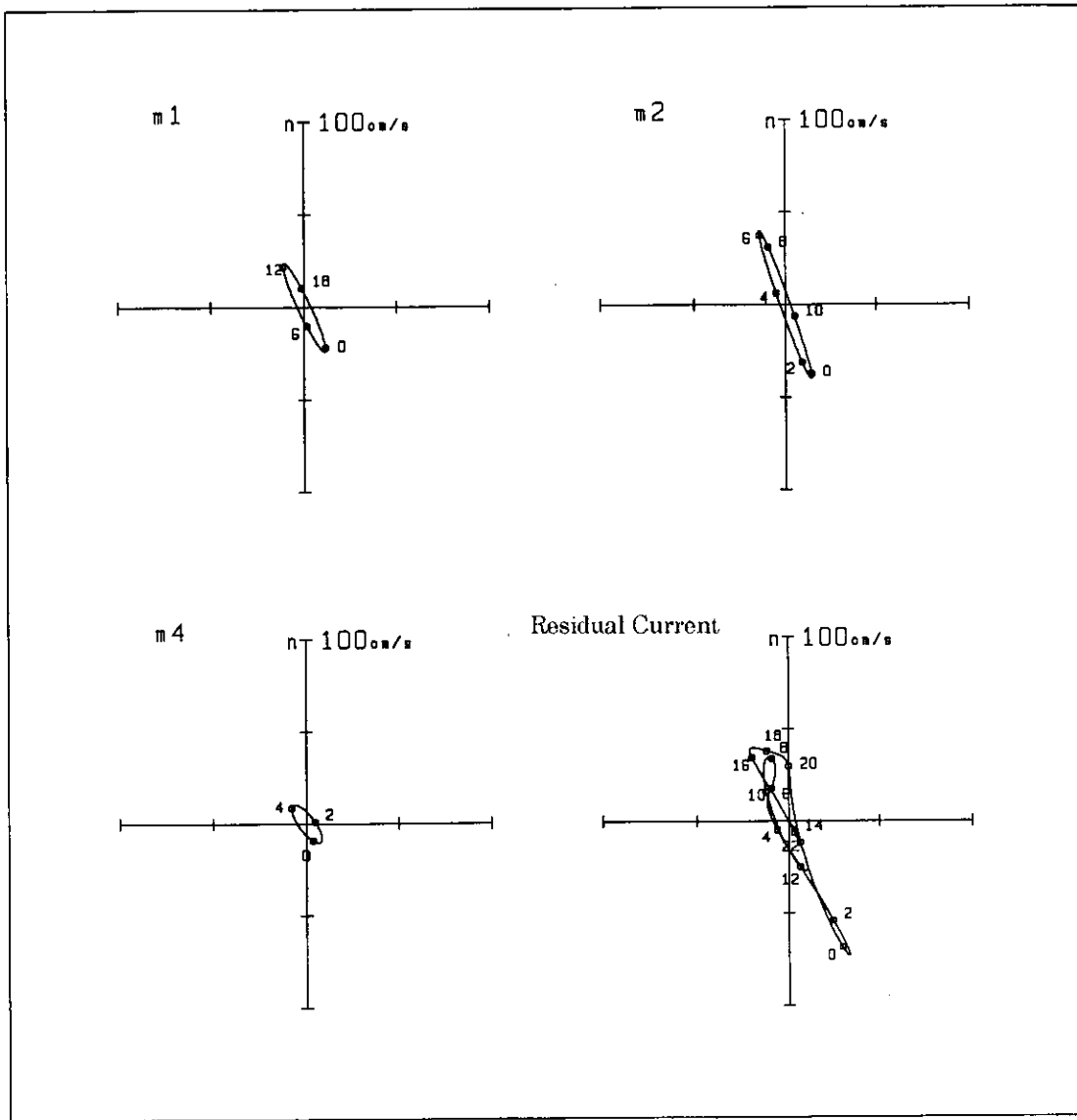
Current Ellipse

(P11, Middle Layer, Spring Tide: Dec. 13 - 14, 2000)



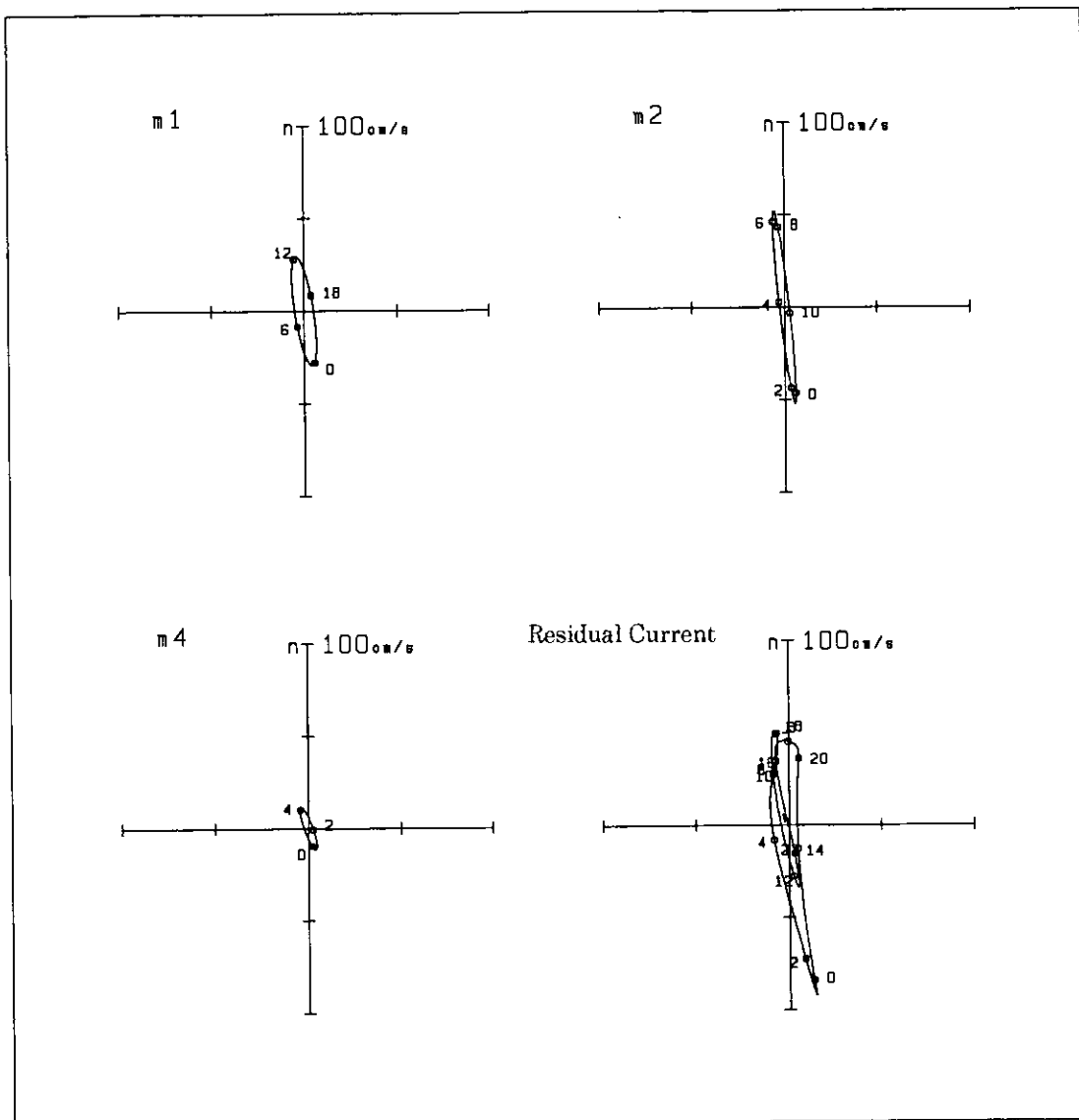
Current Ellipse

(P11, Bottom Layer, Spring Tide: Dec. 13 - 14, 2000)



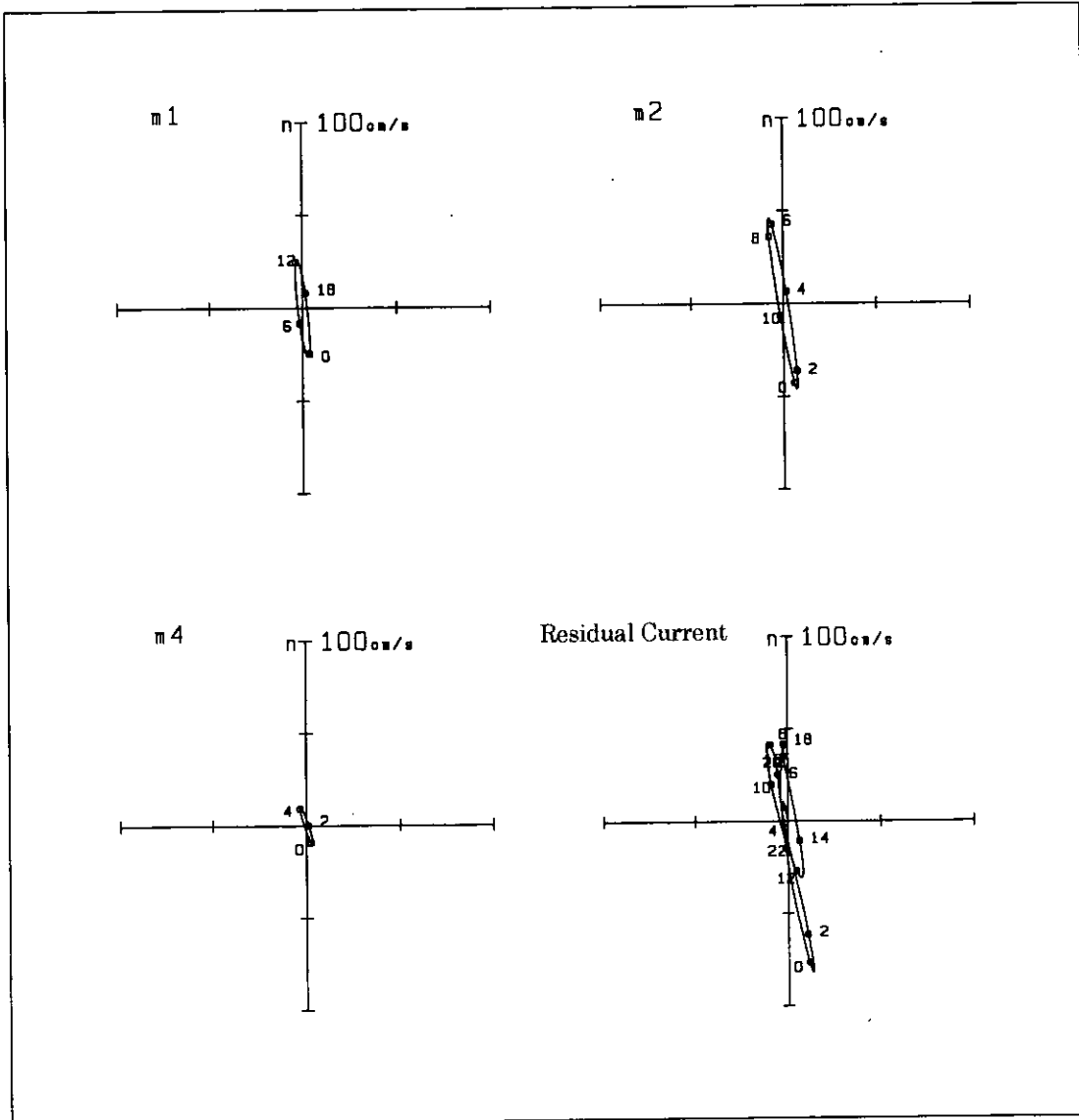
Current Ellipse

(P12, Upper Layer, Spring Tide: Dec. 12 - 13, 2000)



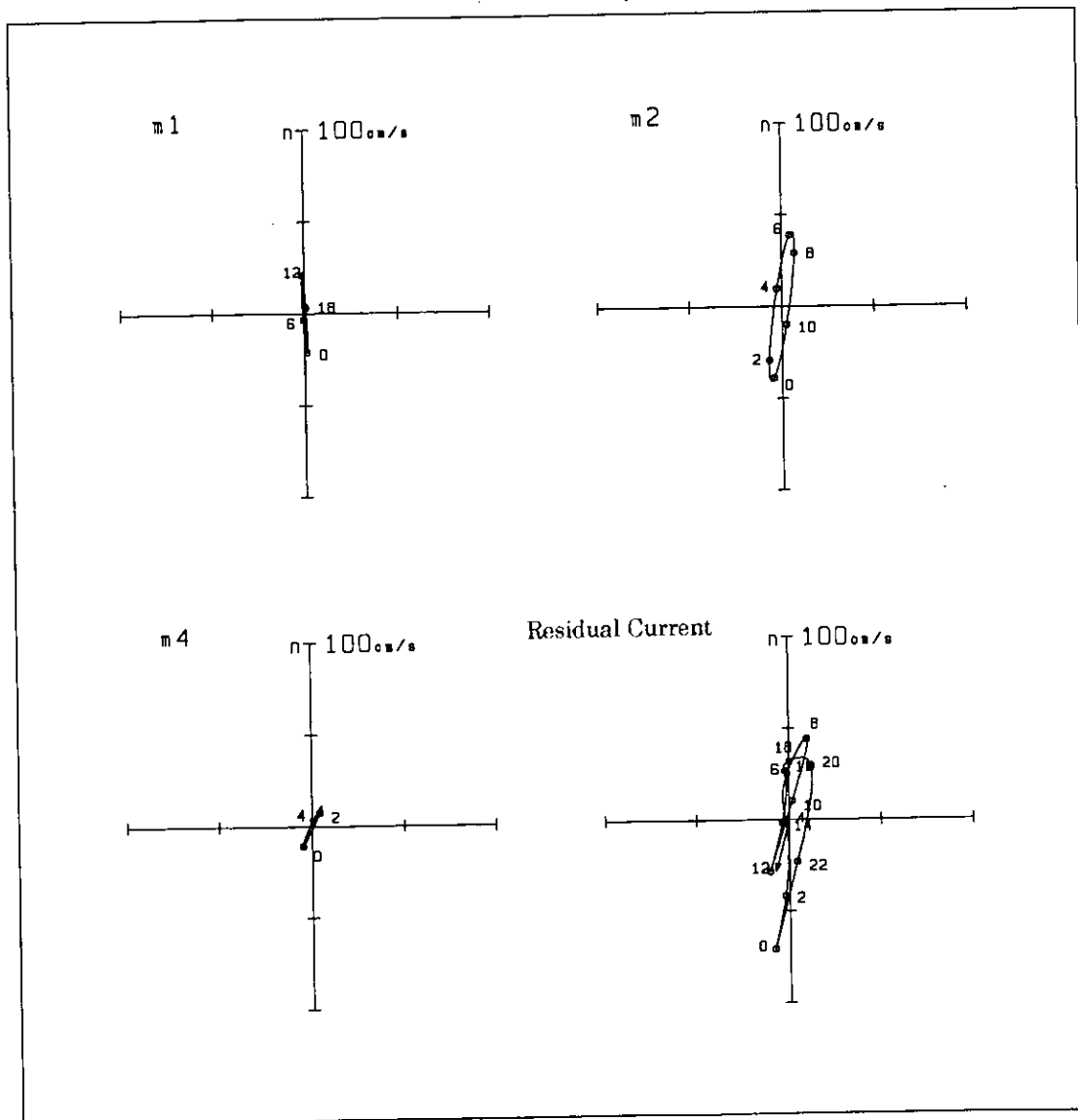
Current Ellipse

(P12, Middle Layer, Spring Tide: Dec. 12 - 13, 2000)



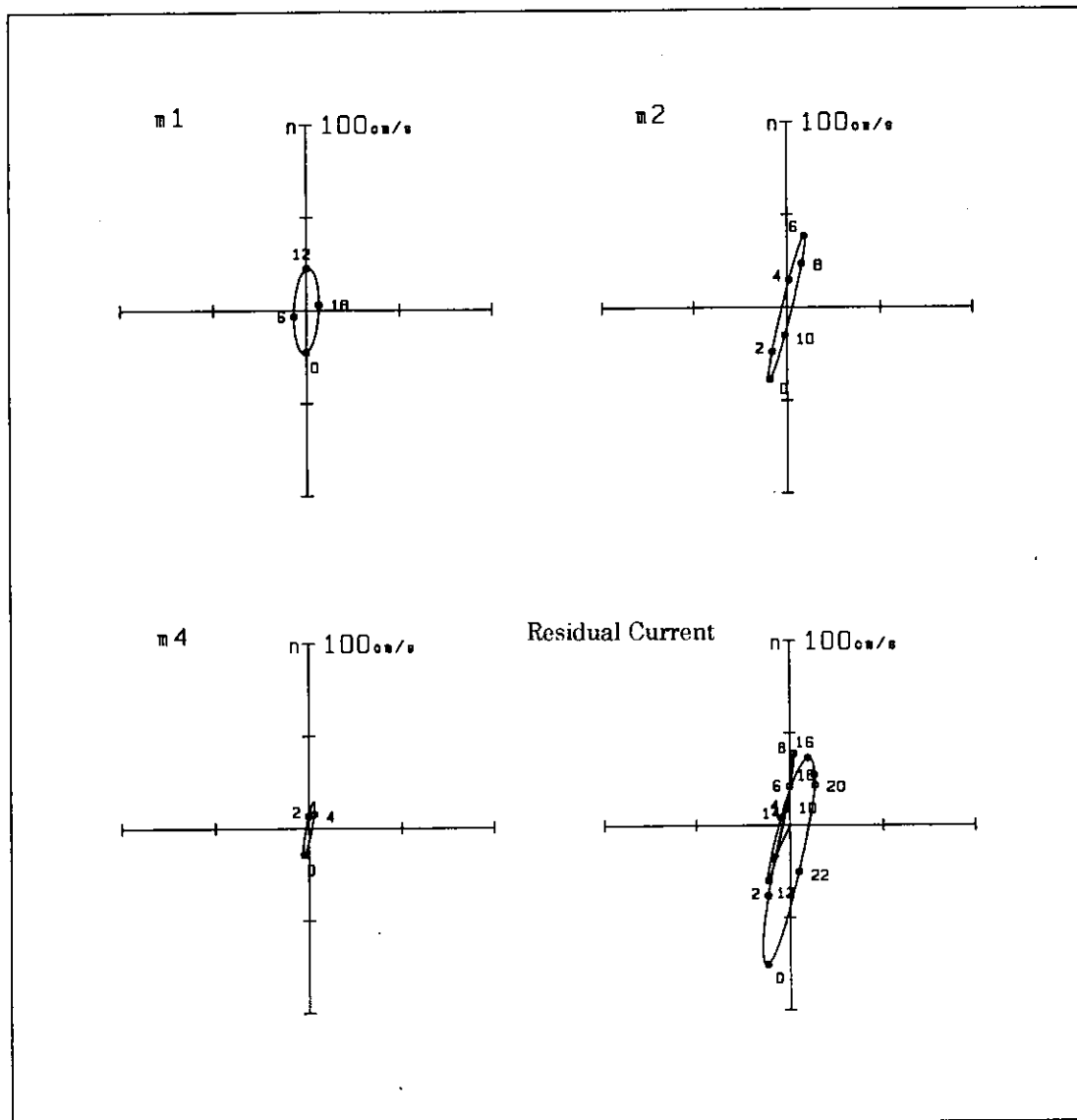
Current Ellipse

(P12, Bottom Layer, Spring Tide: Dec. 12 - 13, 2000)



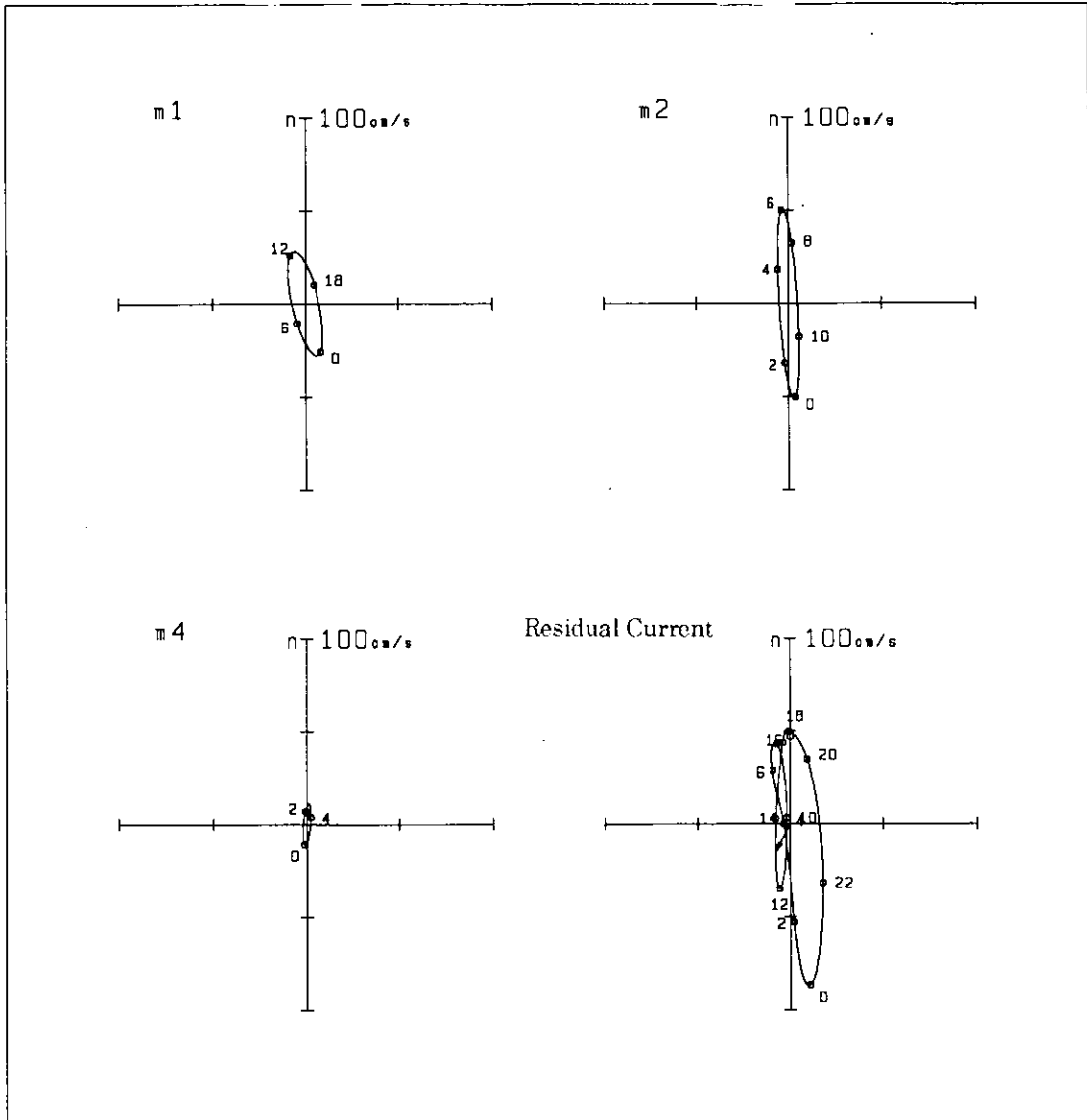
Current Ellipse

(P19, Upper Layer, Spring Tide: Dec. 12 - 13, 2000)



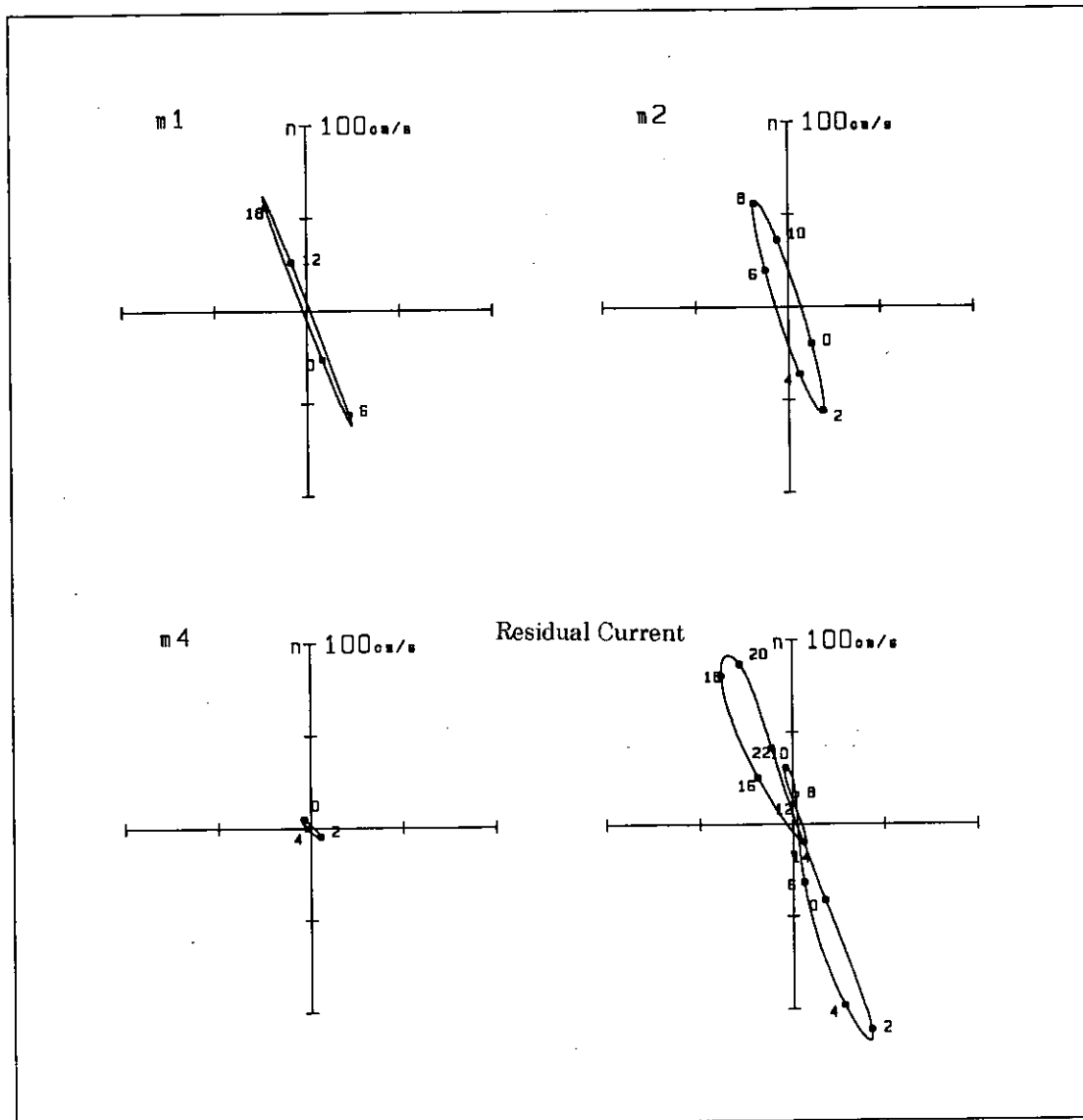
Current Ellipse

(P19, Middle Layer, Spring Tide: Dec. 12 - 13, 2000)



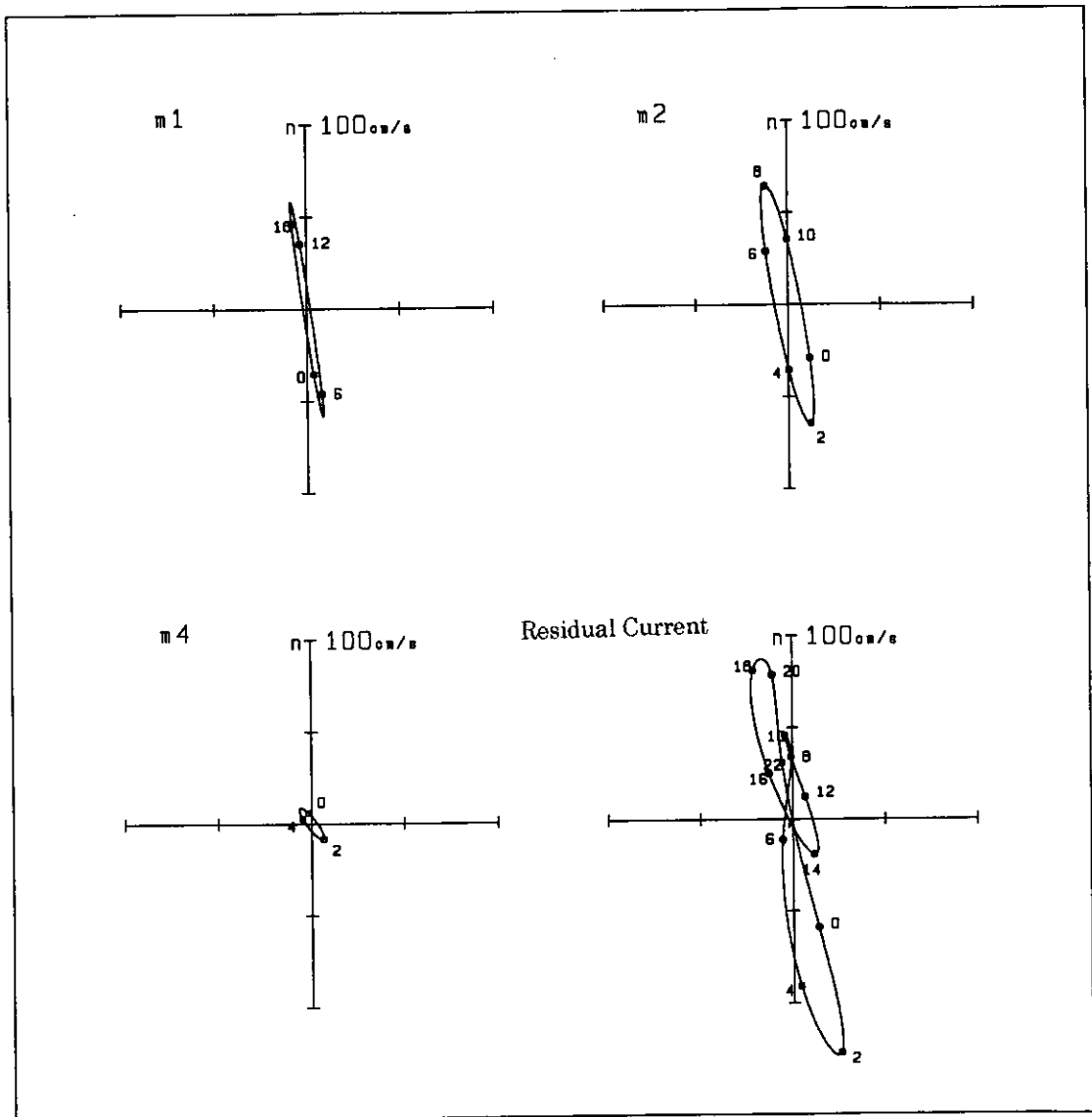
Current Ellipse

(P19, Bottom Layer, Spring Tide: Dec. 12 - 13, 2000)



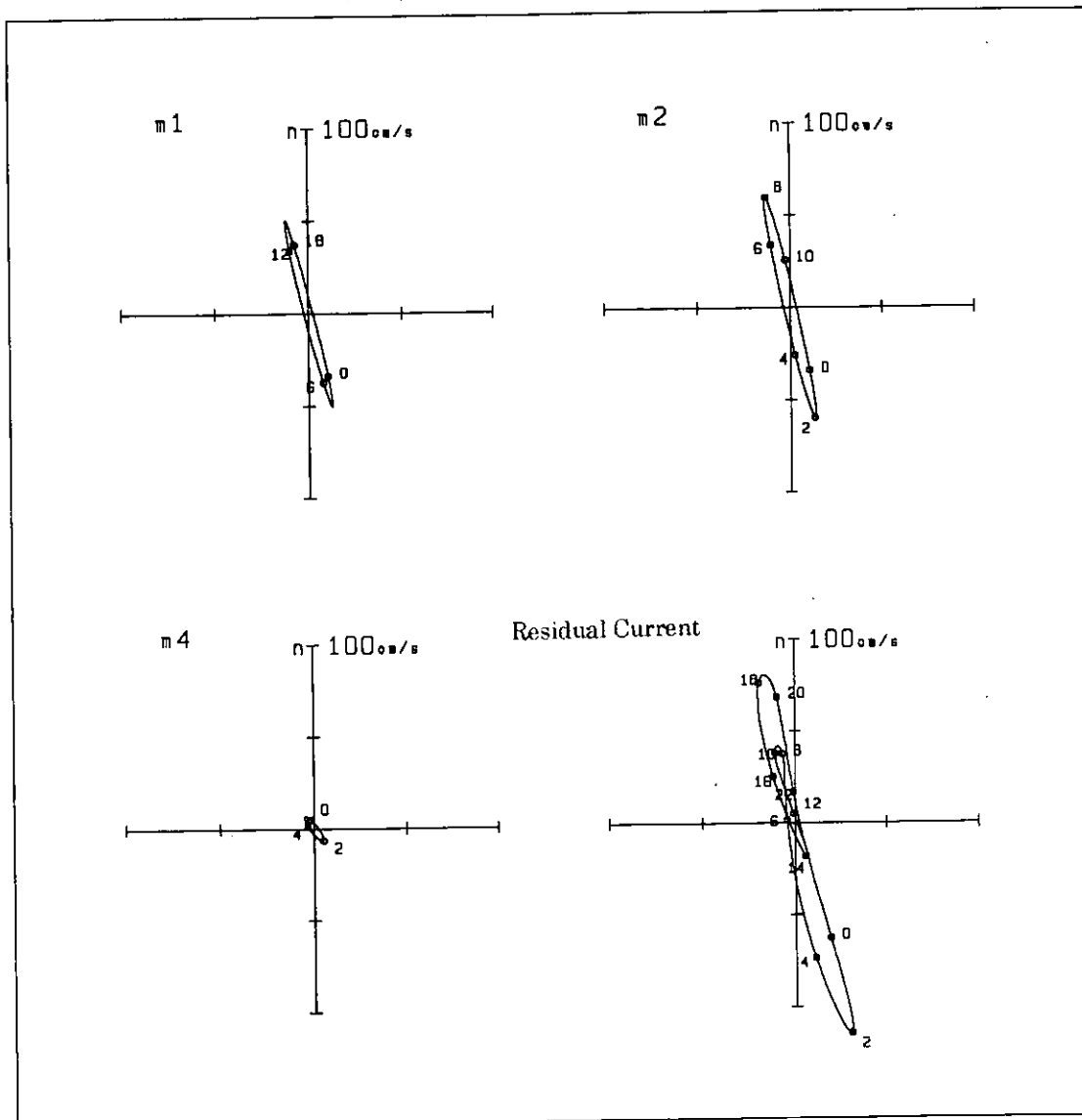
Current Ellipse

(P20, Upper Layer, Spring Tide: Dec. 11 - 12, 2000)



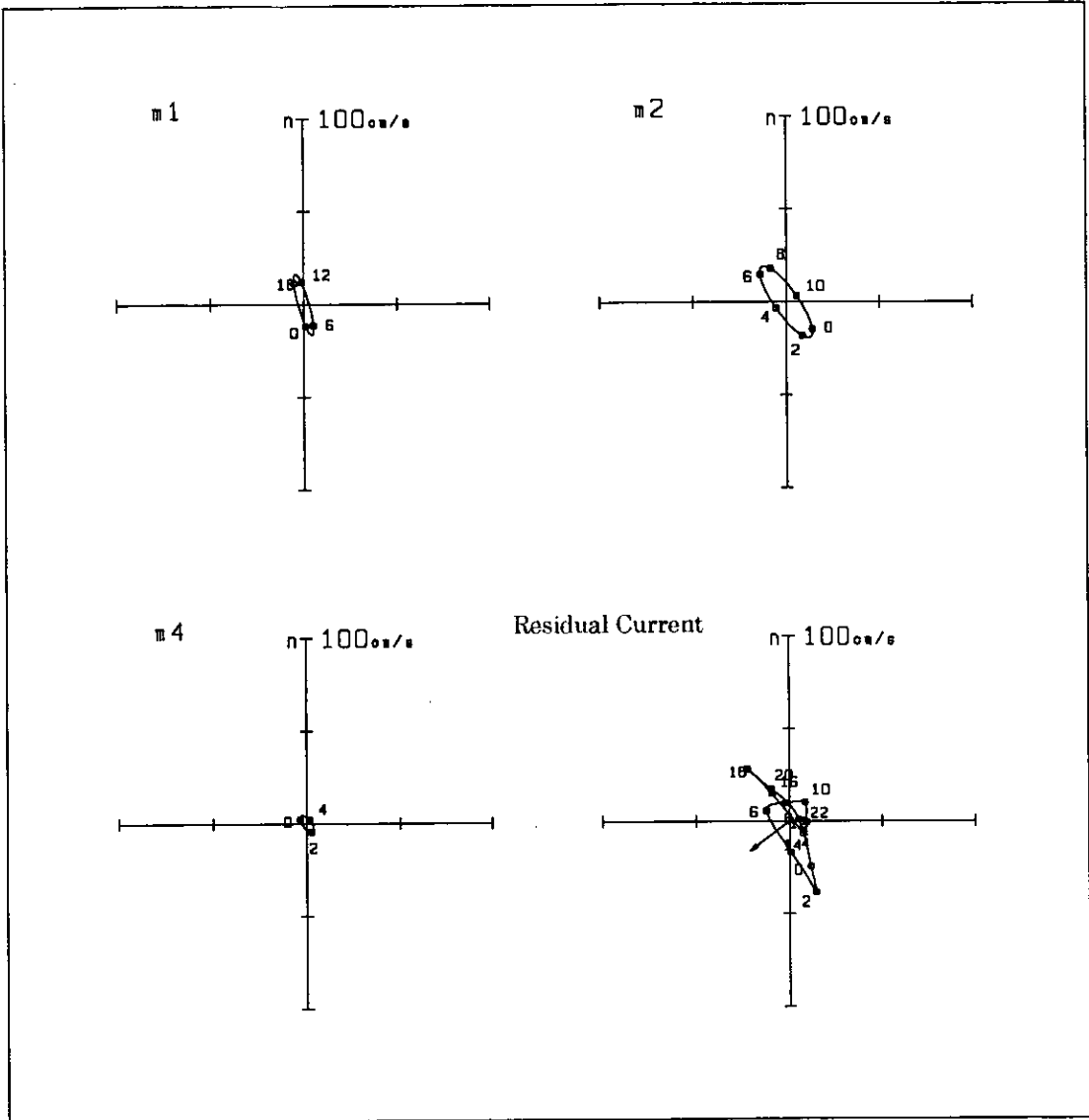
Current Ellipse

(P20, Middle Layer, Spring Tide: Dec. 11 - 12, 2000)



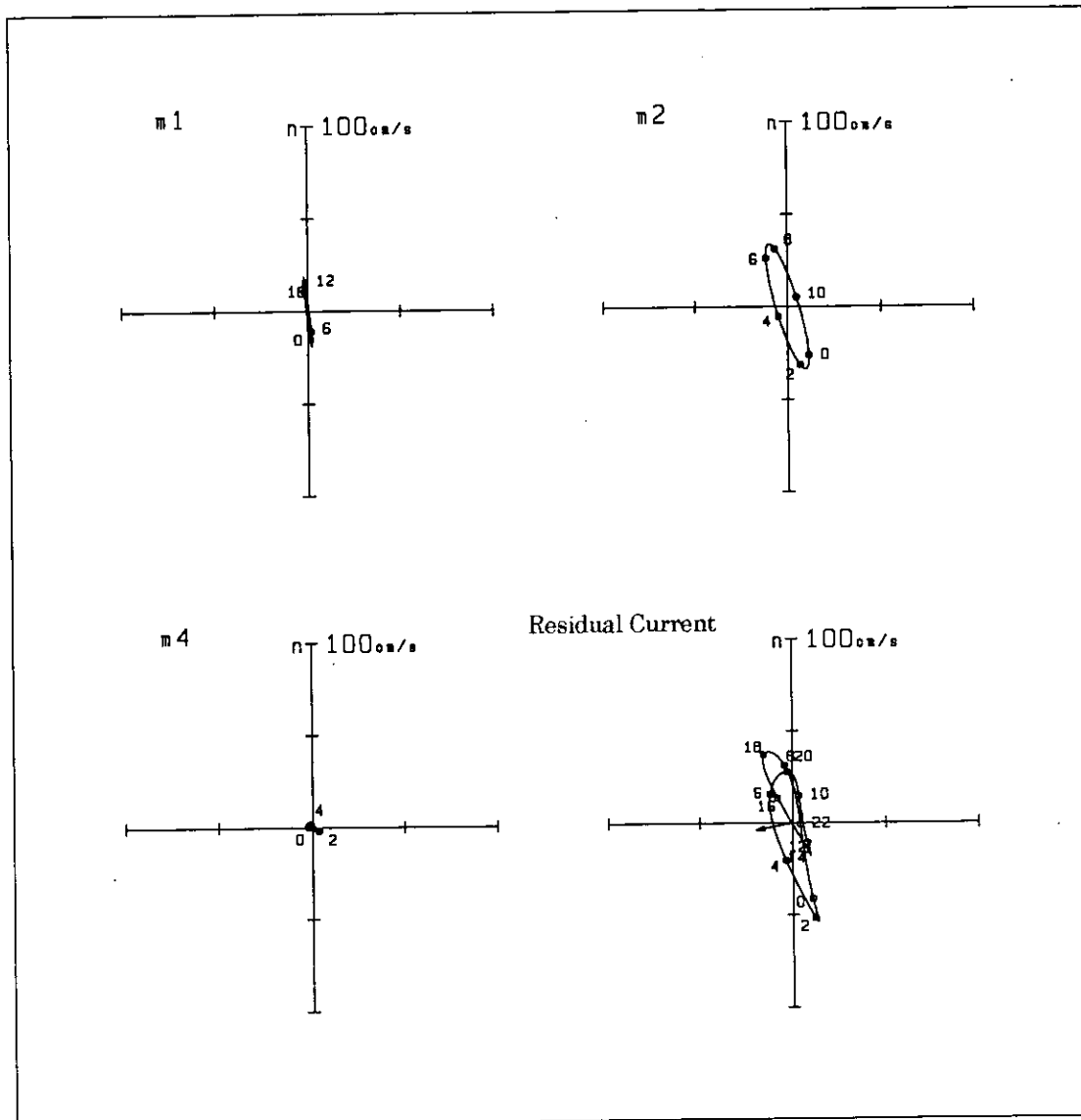
Current Ellipse

(P20, Bottom Layer, Spring Tide: Dec. 11 - 12, 2000)



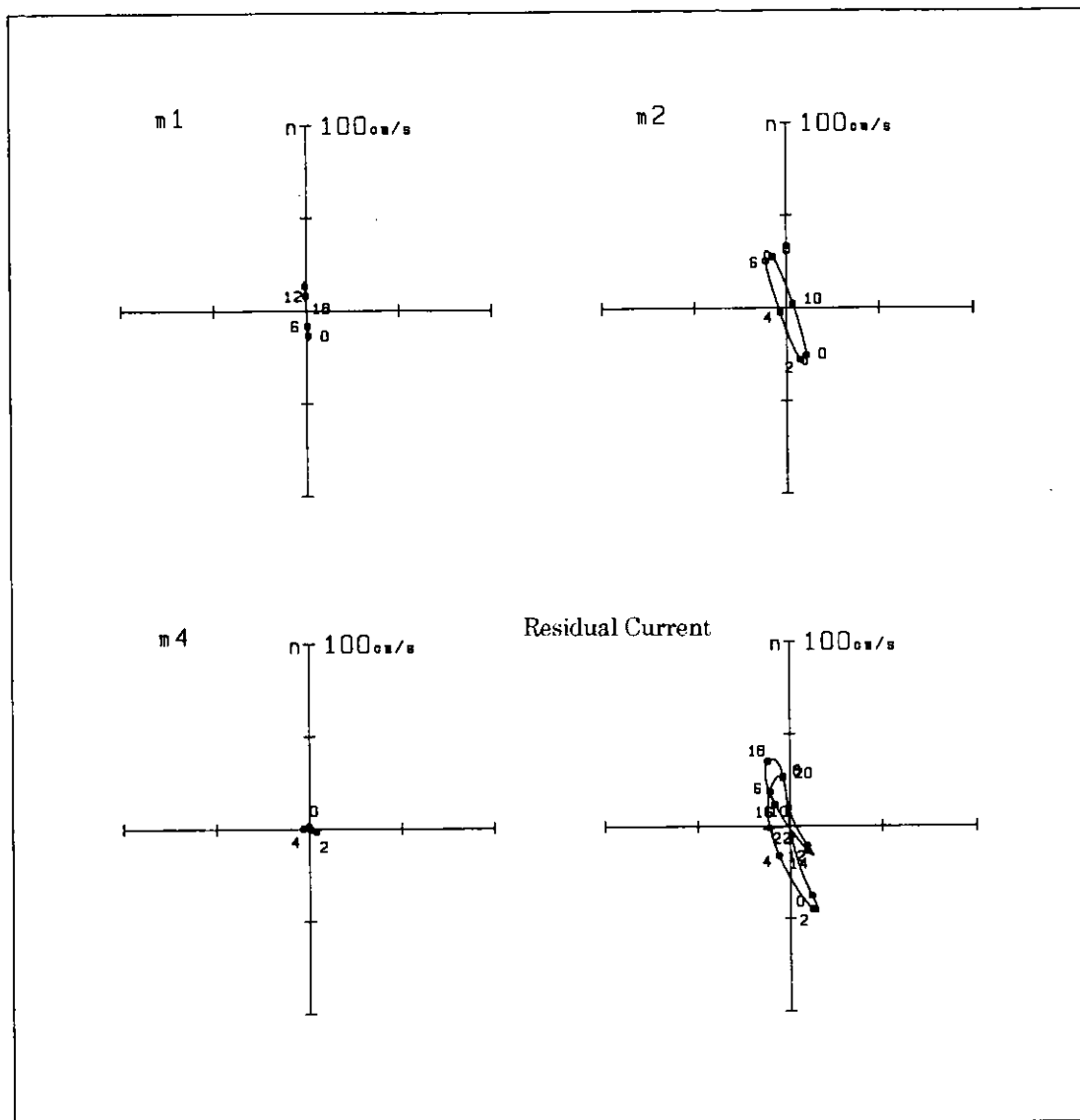
Current Ellipse

(P22, Upper Layer, Spring Tide: Dec. 11 - 12, 2000)



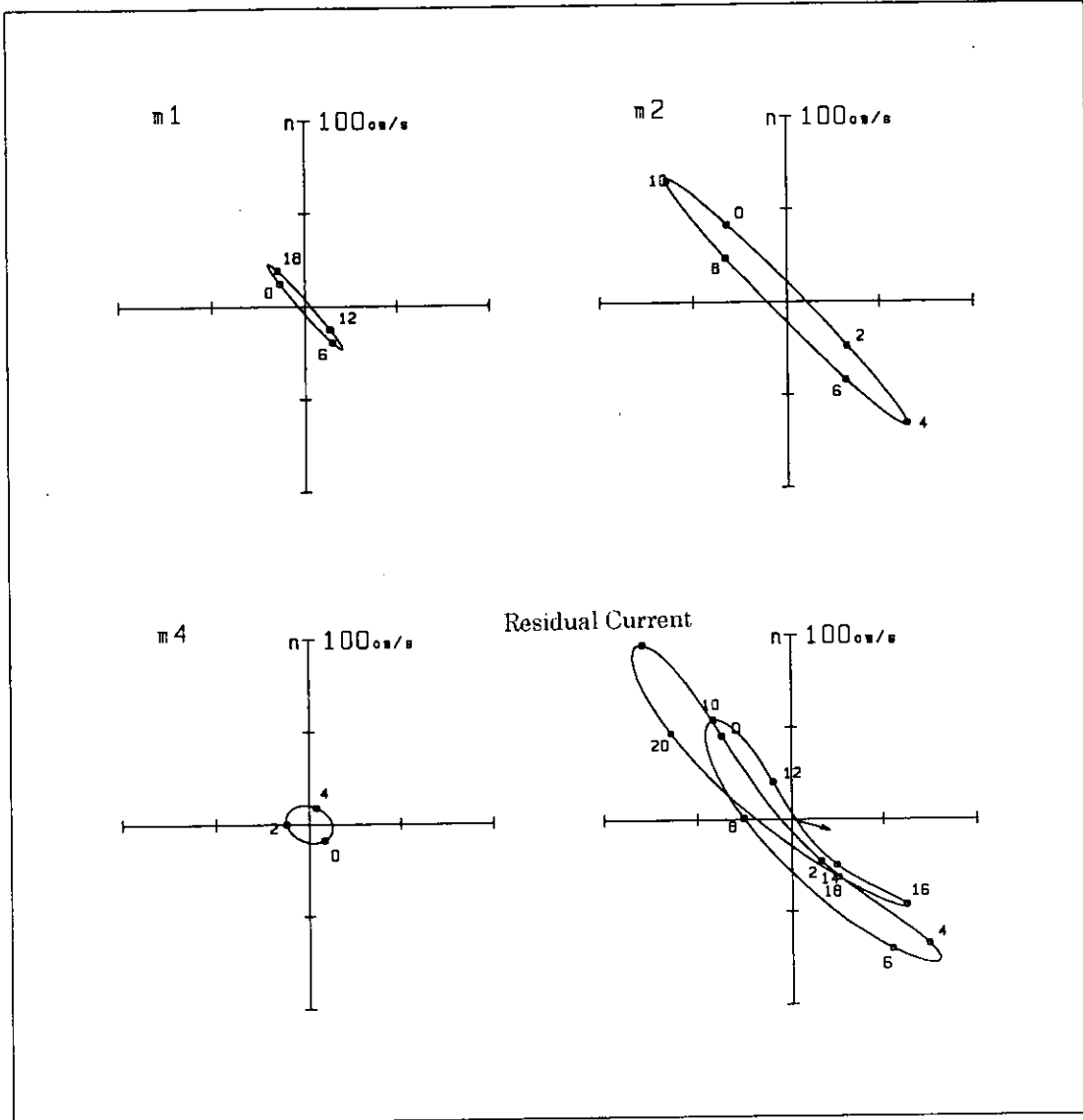
Current Ellipse

(P22, Middle Layer, Spring Tide: Dec. 11 · 12, 2000)



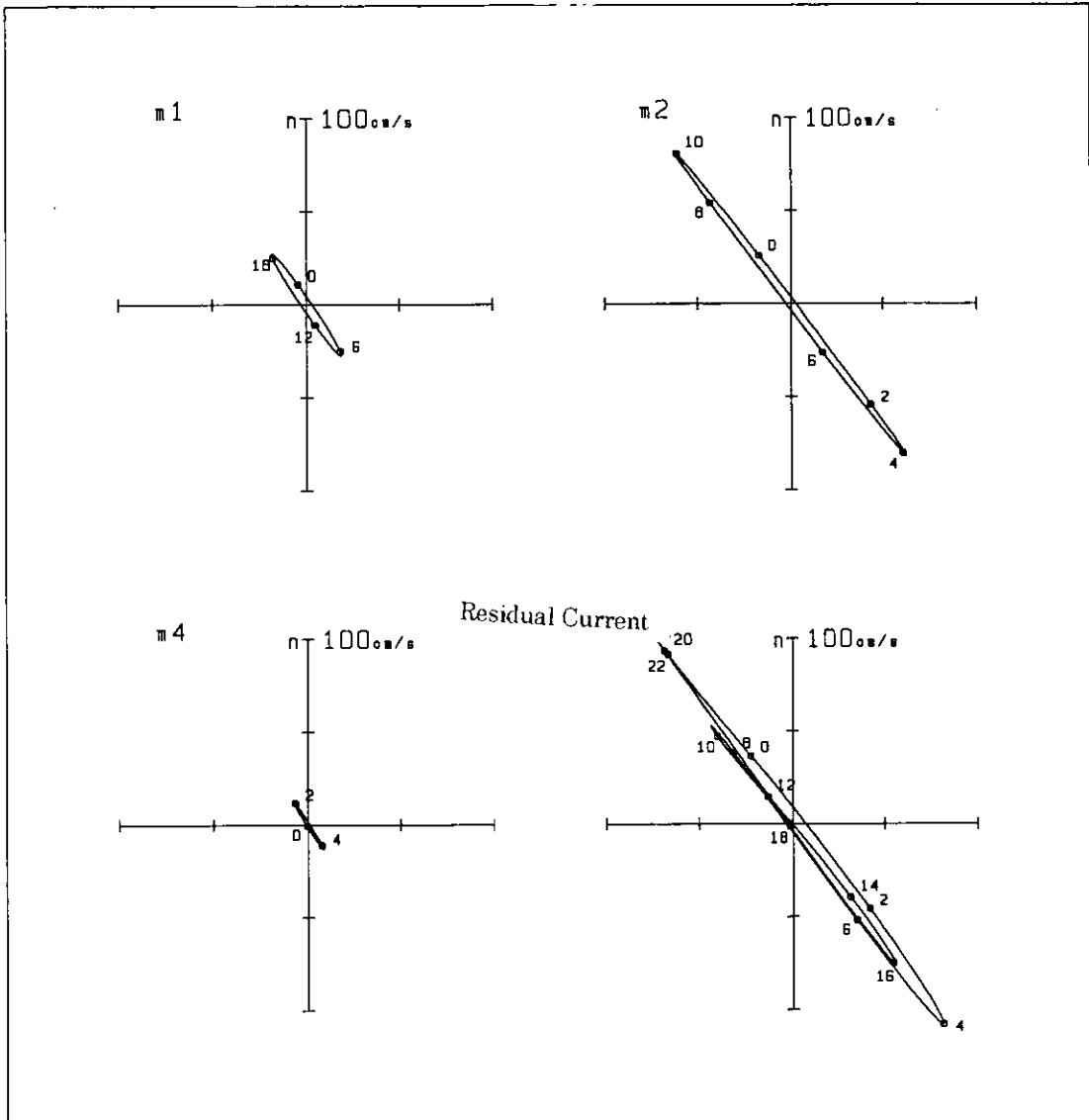
Current Ellipse

(P22, Bottom Layer, Spring Tide: Dec. 11 - 12, 2000)



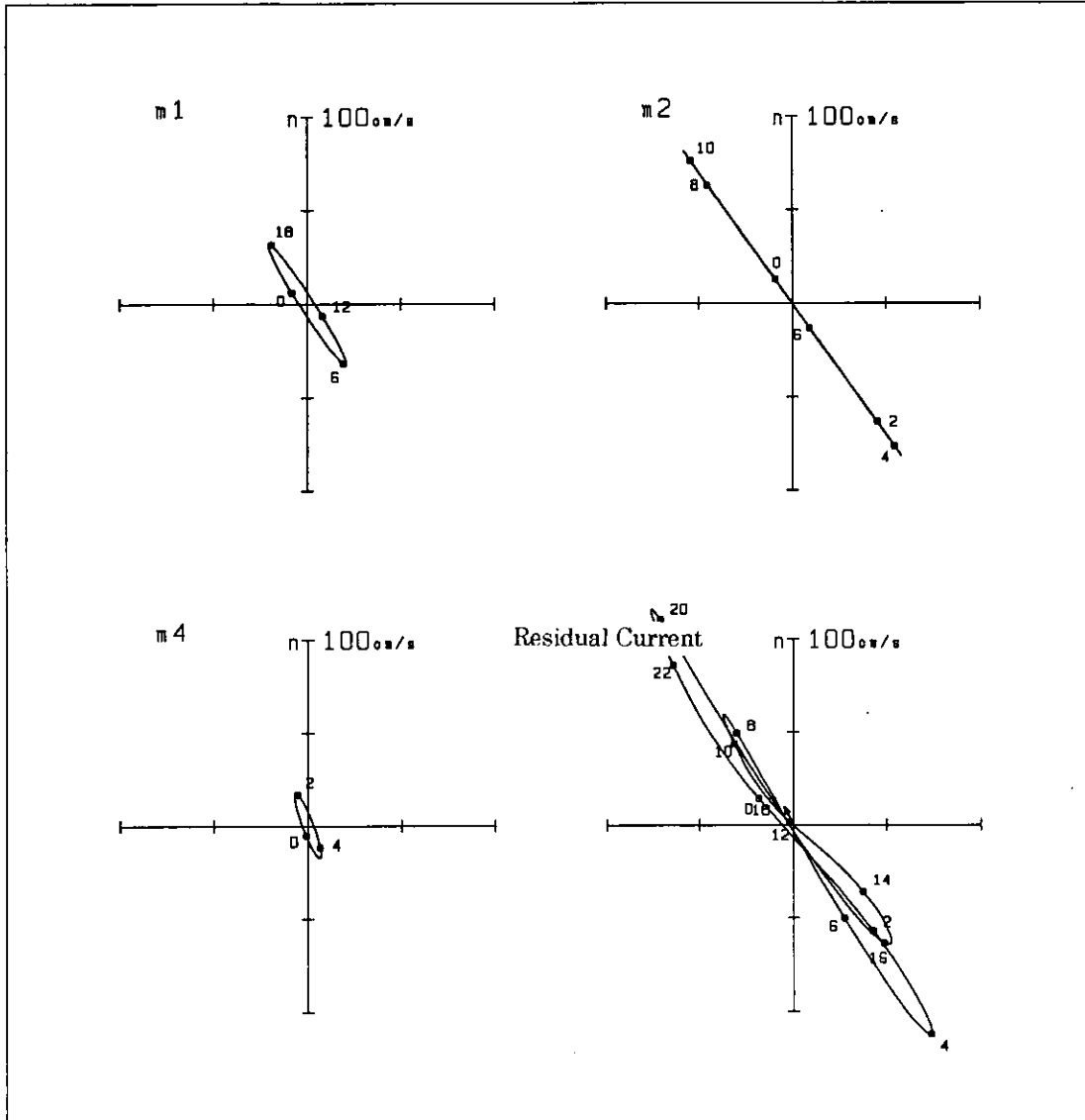
Current Ellipse

(P01, Upper Layer, Neap Tide: Dec. 7 - 8, 2000)

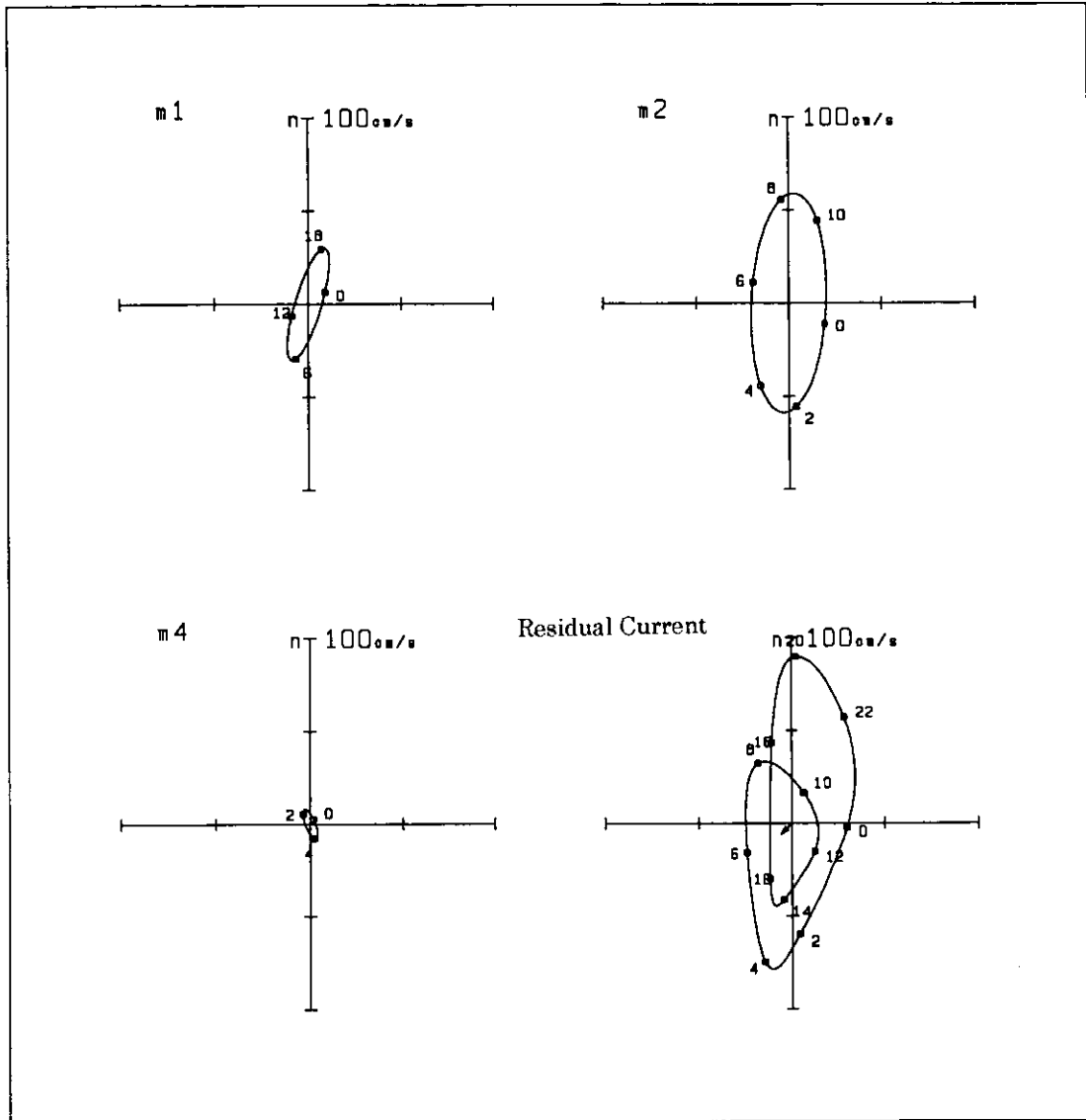


Current Ellipse

(P01, Middle Layer, Neap Tide: Dec. 7 - 8, 2000)

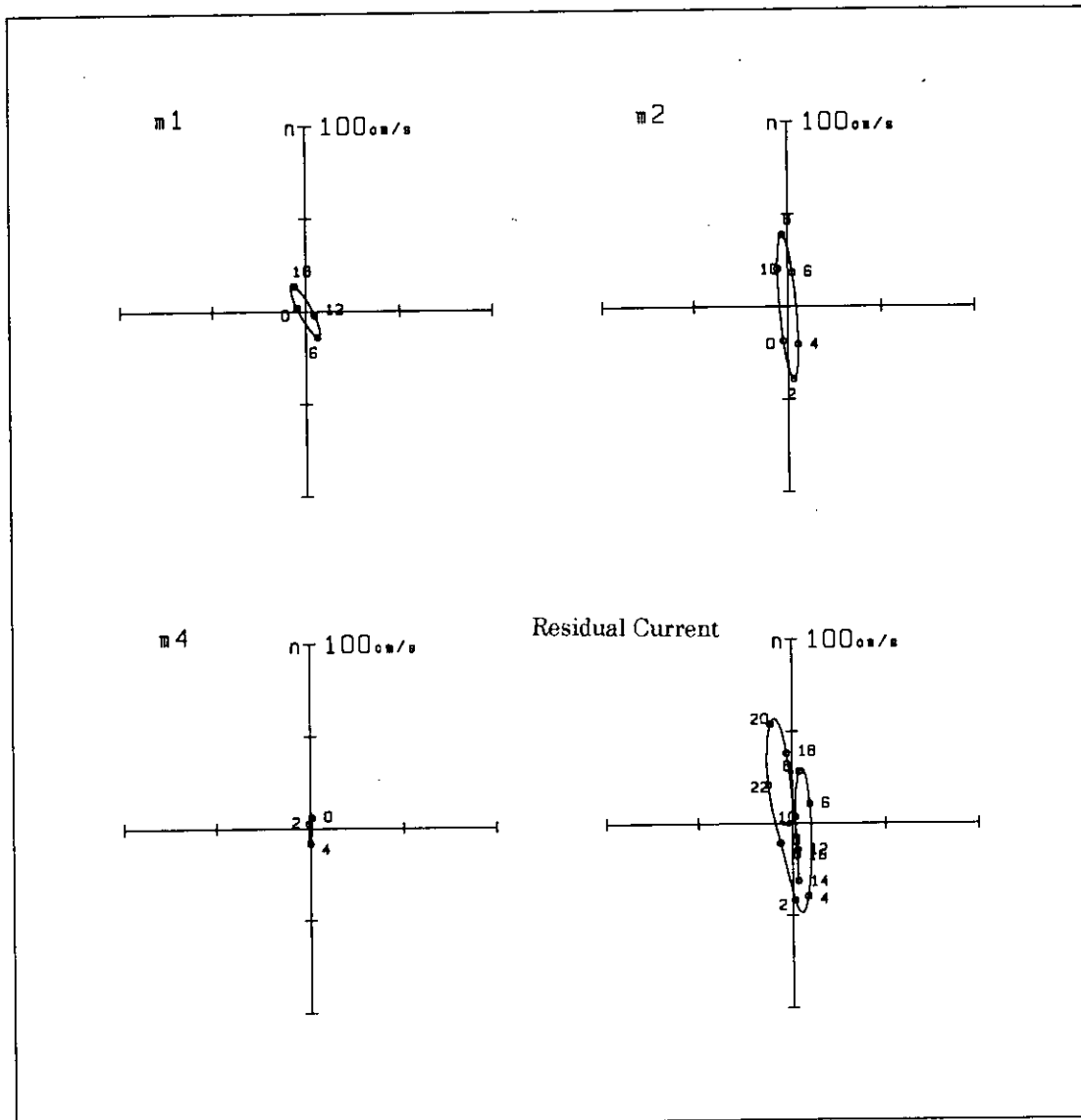


Current Ellipse
(P01, Bottom Layer, Neap Tide: Dec. 7 - 8, 2000)



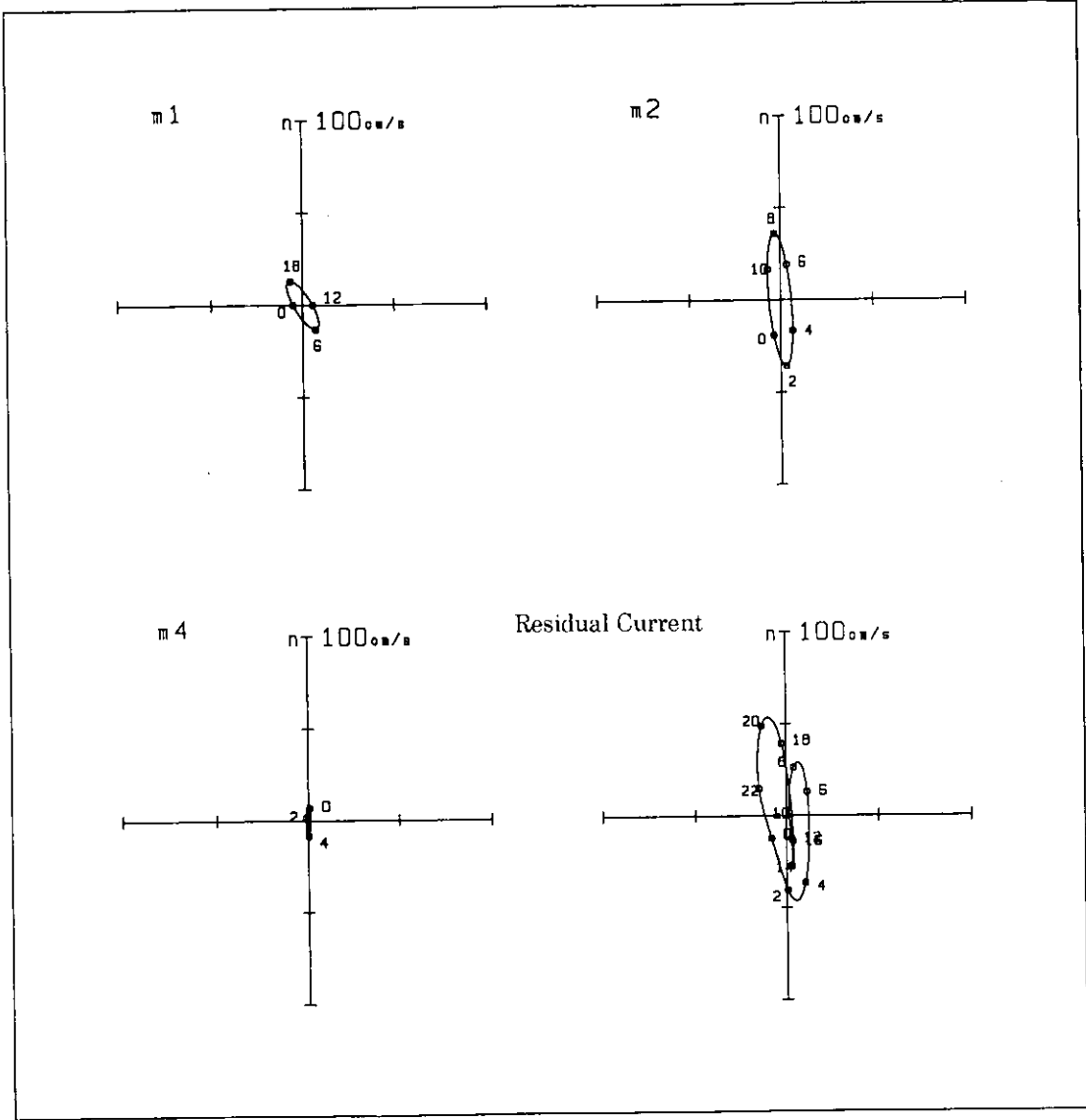
Current Ellipse

(P11, Upper Layer, Neap Tide: Dec. 7 - 8, 2000)



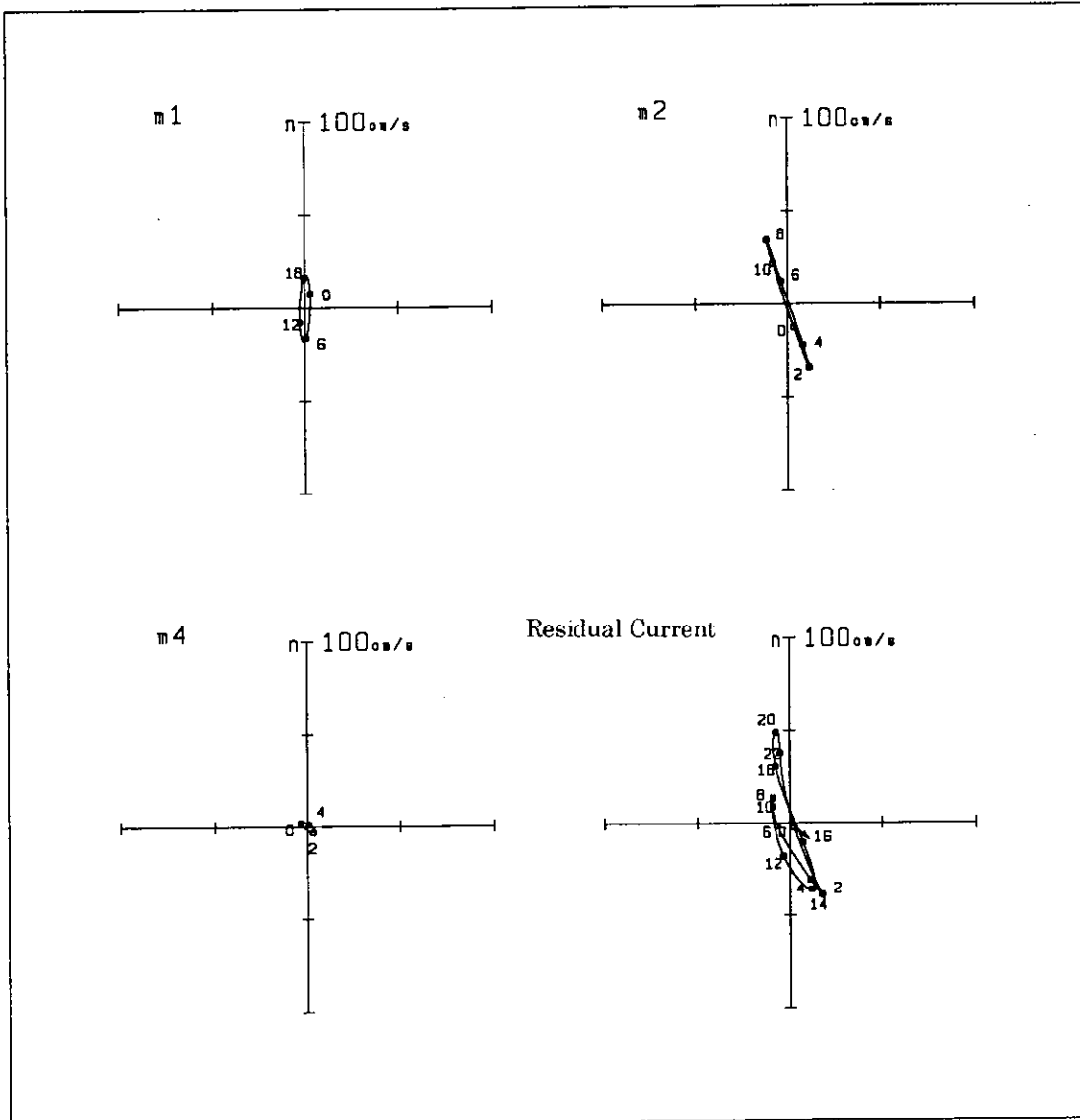
Current Ellipse

(P11, Middle Layer, Neap Tide: Dec. 7 - 8, 2000)



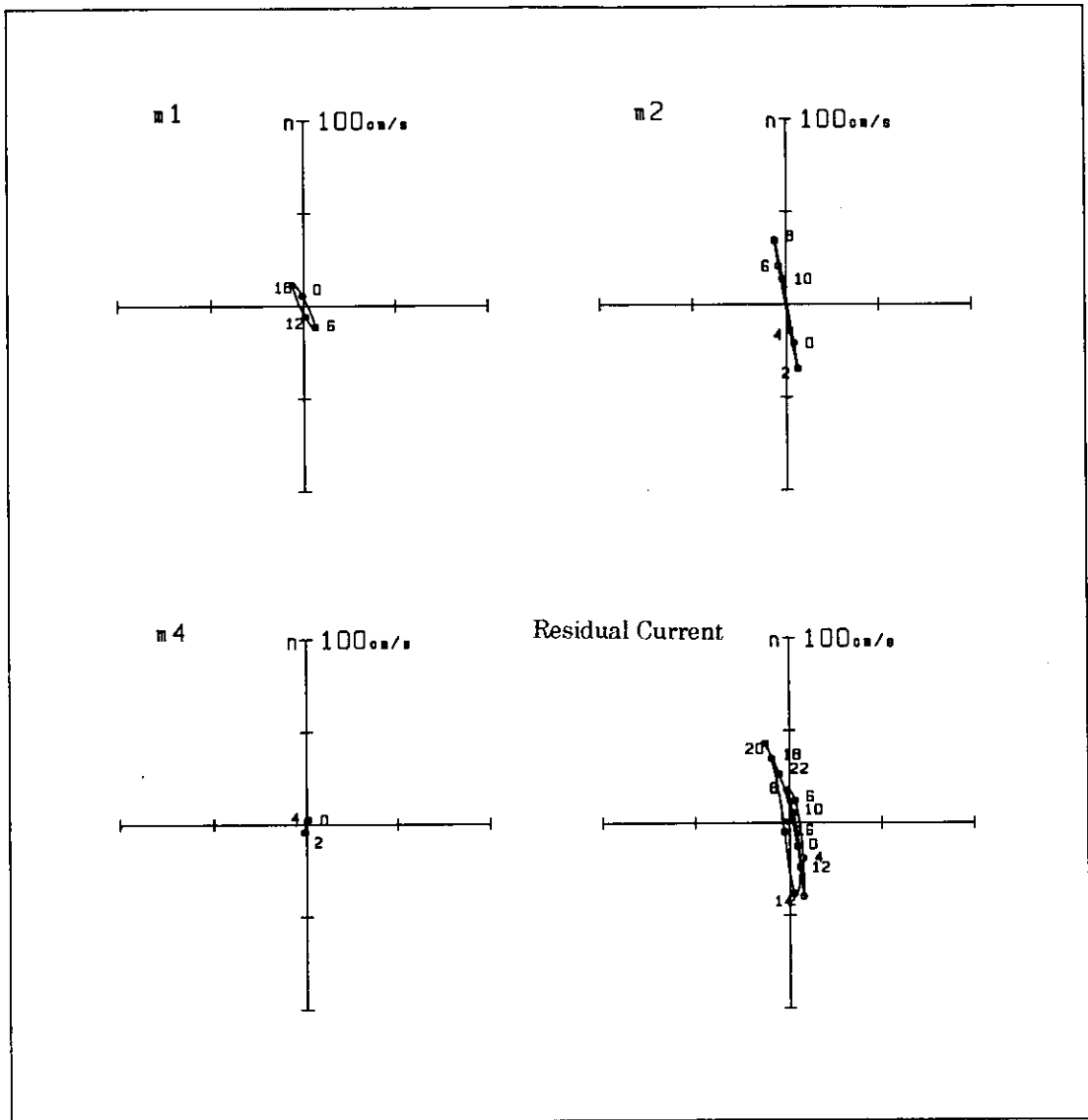
Current Ellipse

(P11, Bottom Layer, Neap Tide: Dec. 7 - 8, 2000)

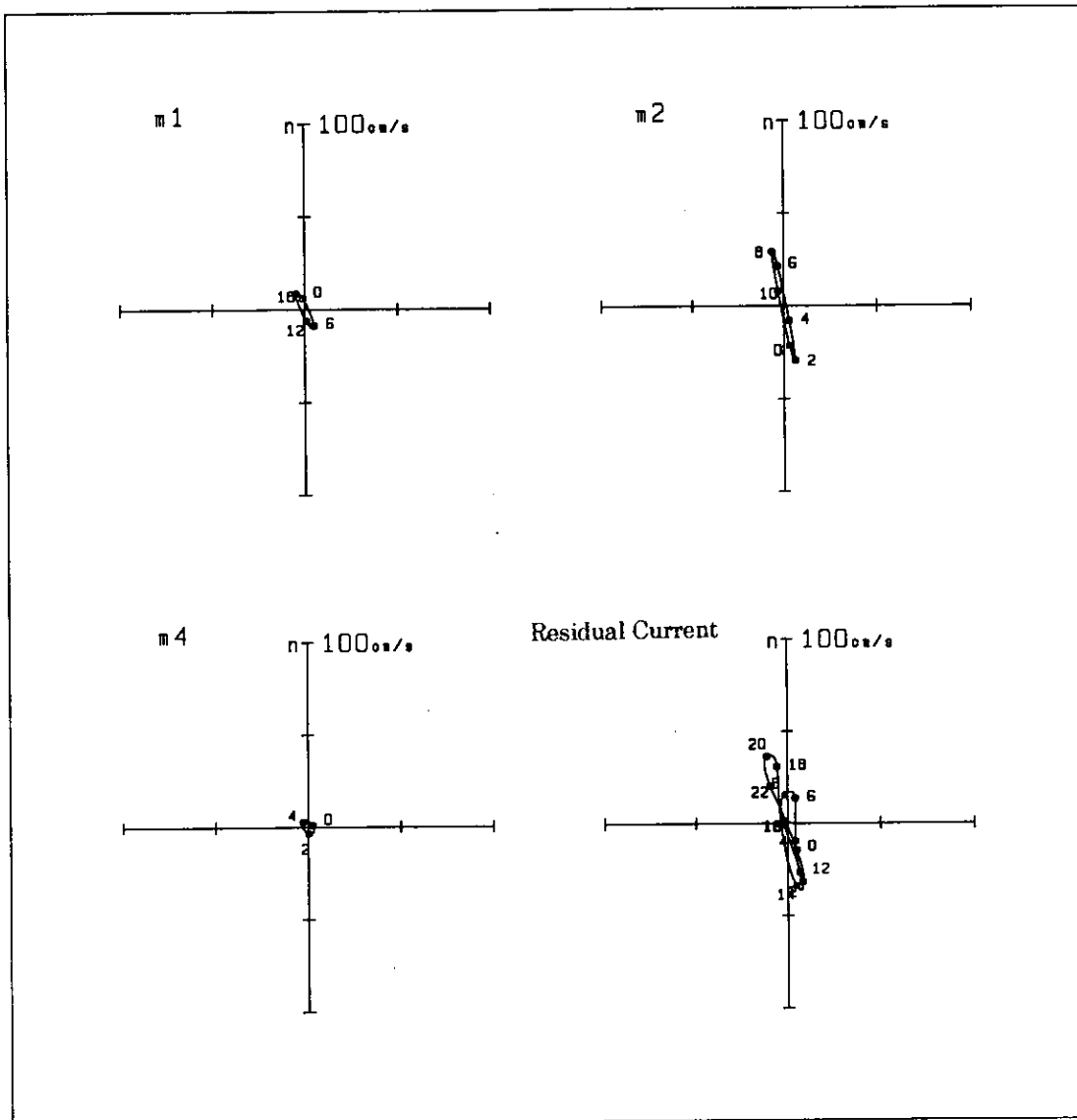


Current Ellipse

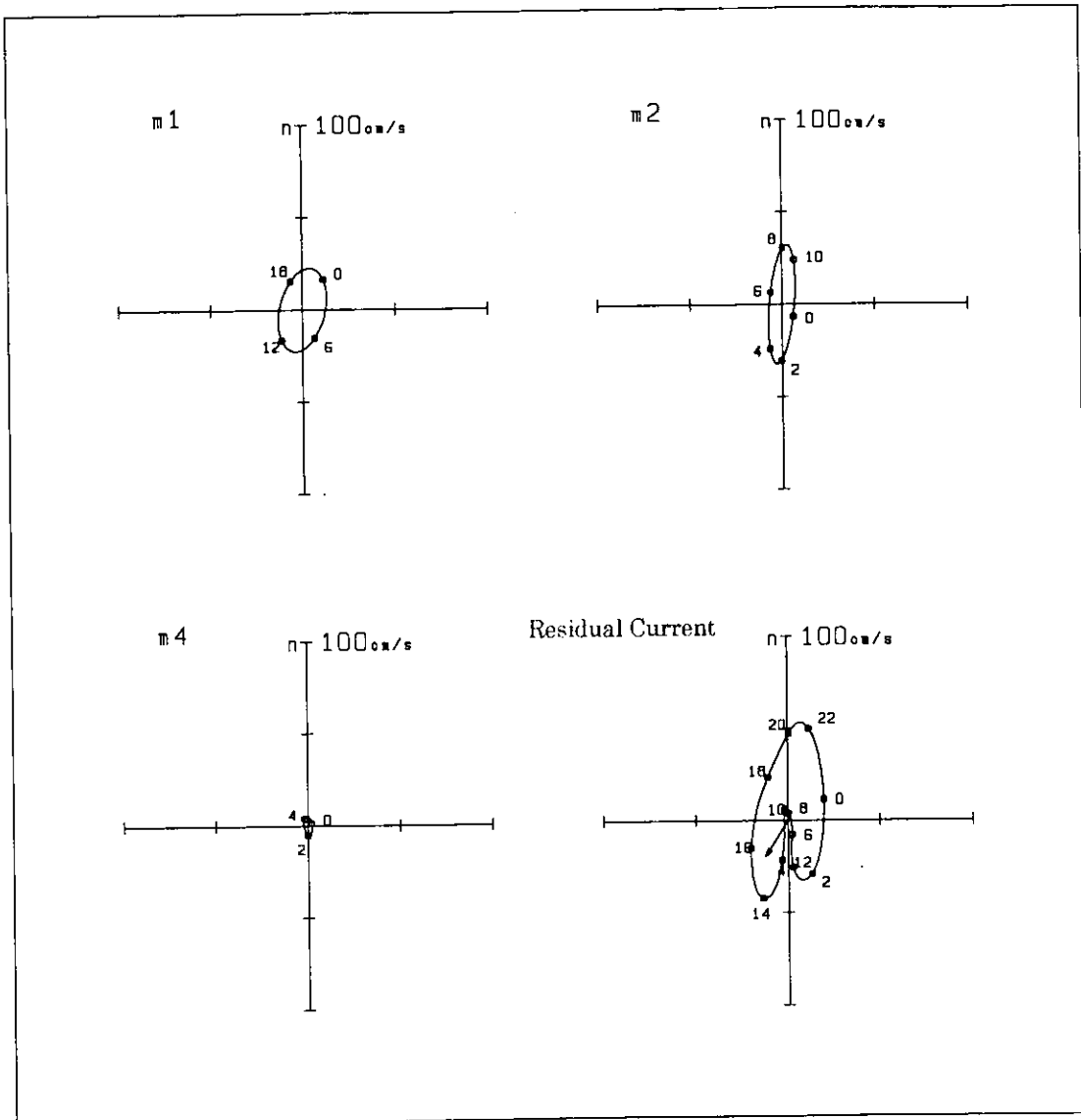
(P12, Upper Layer, Neap Tide: Dec. 6 - 7, 2000)



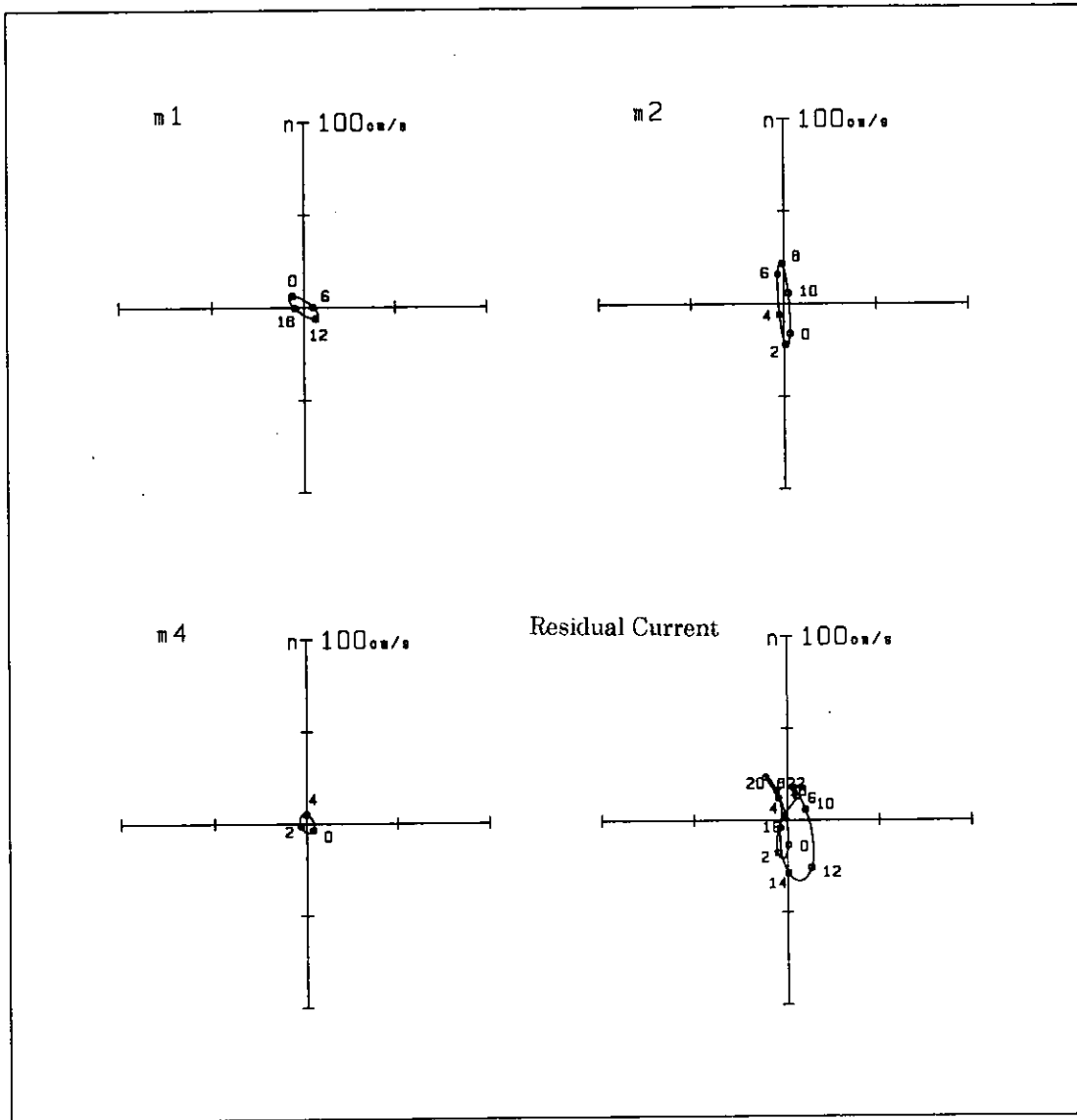
Current Ellipse
(P12, Middle Layer, Neap Tide: Dec. 6 - 7, 2000)



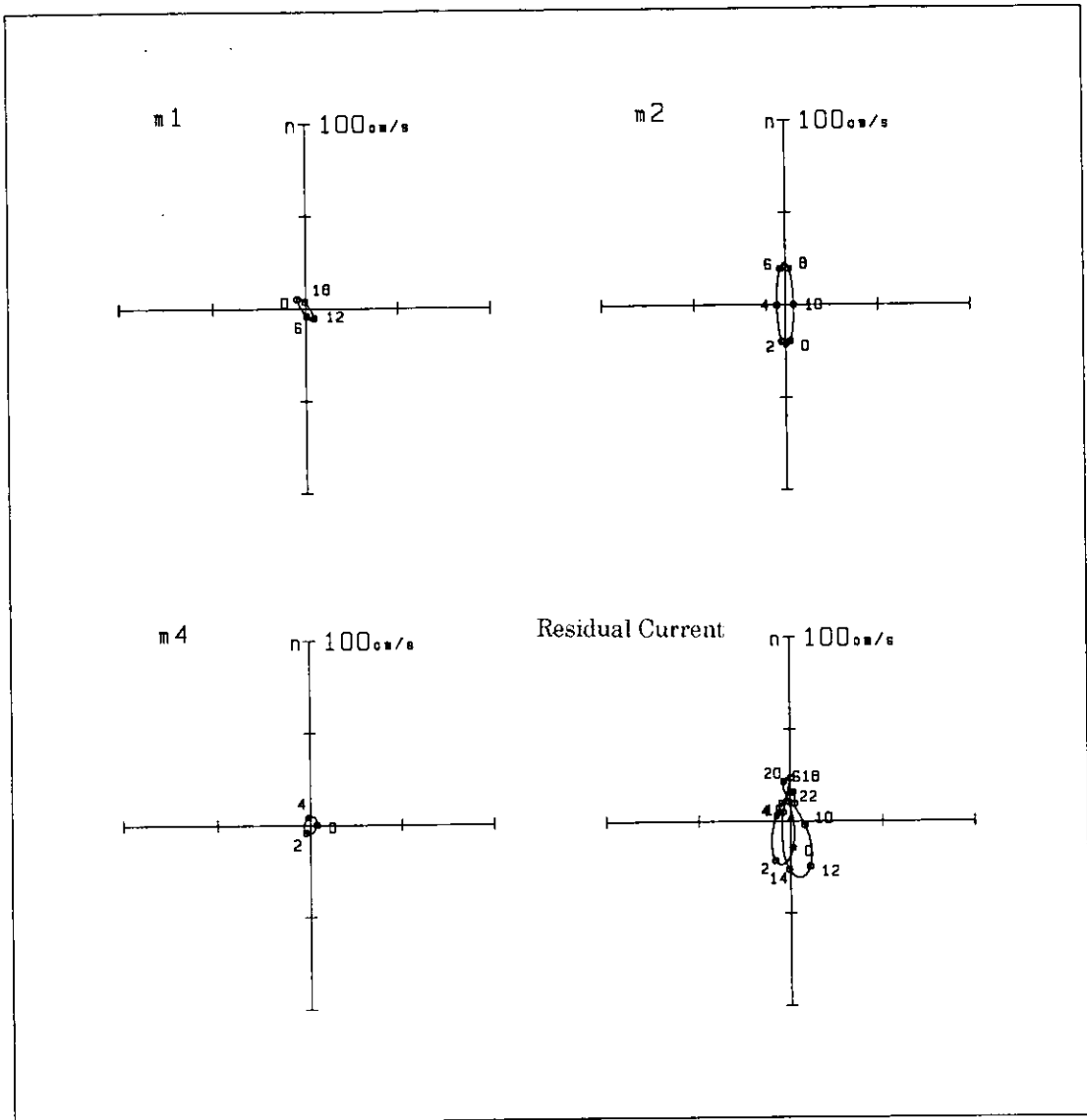
Current Ellipse
(P12, Bottom Layer, Neap Tide: Dec. 6 - 7, 2000)



Current Ellipse
(P19, Upper Layer, Neap Tide: Dec. 6 - 7, 2000)

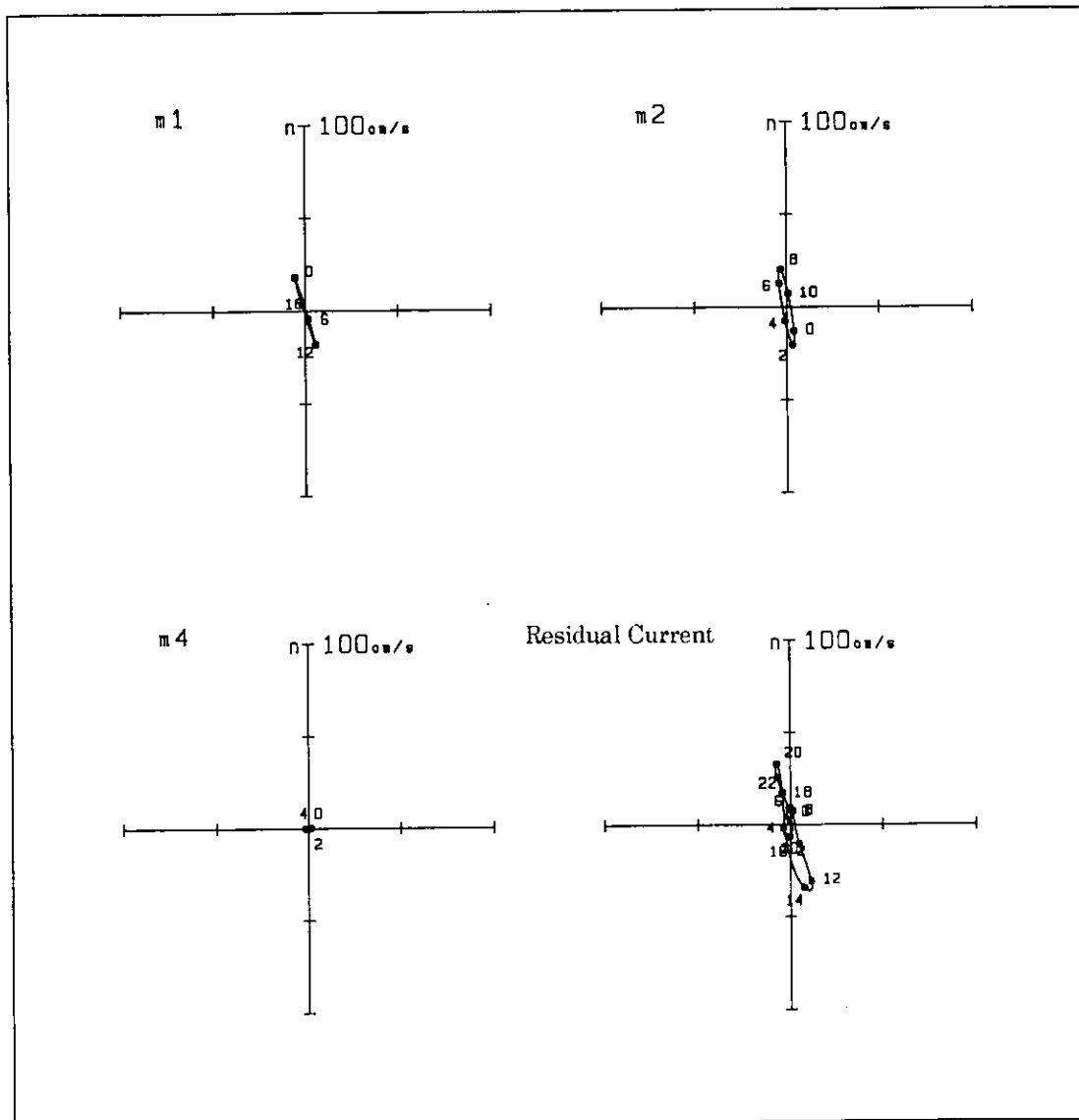


Current Ellipse
(P19, Middle Layer, Neap Tide: Dec. 6 - 7, 2000)



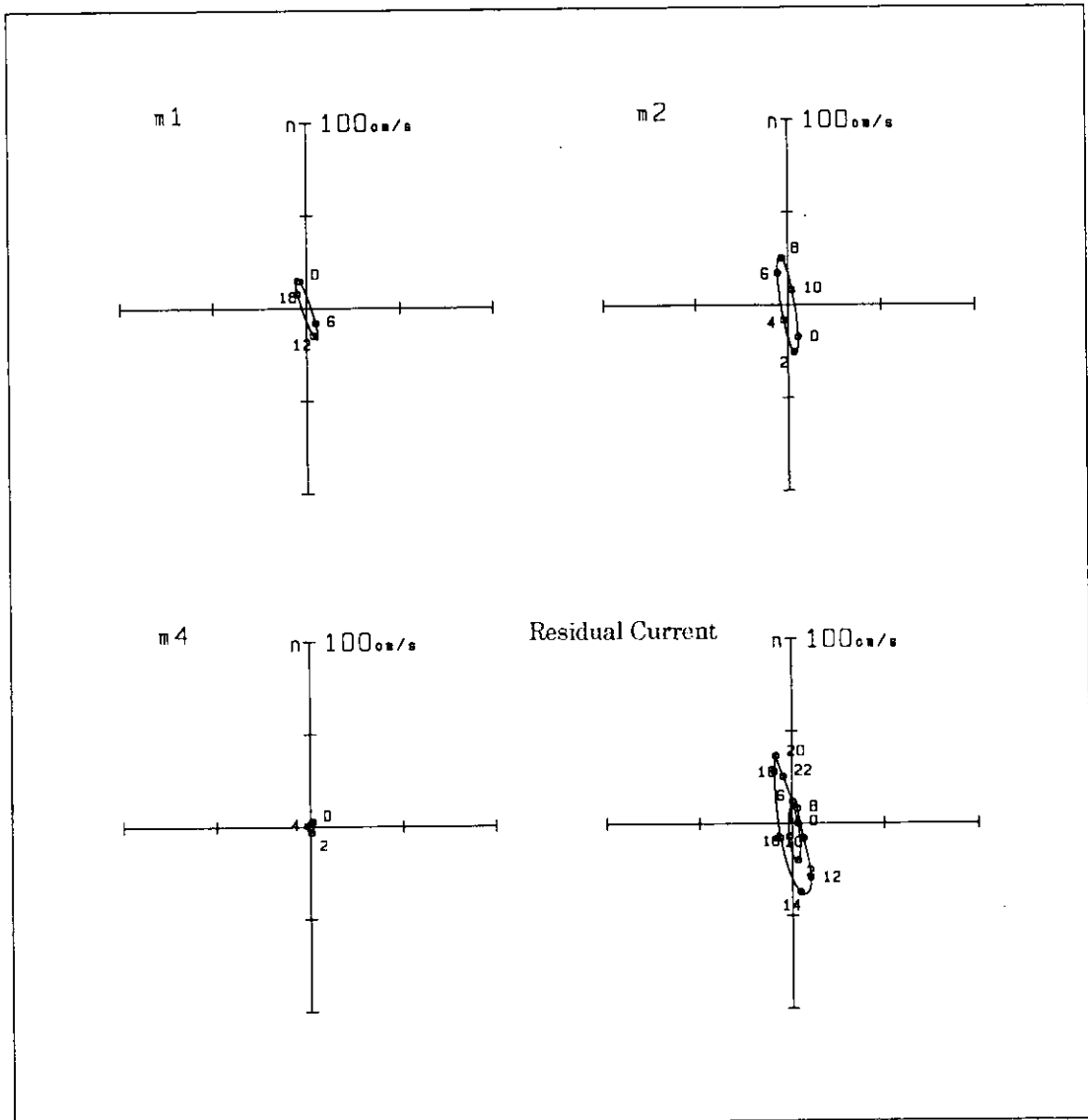
Current Ellipse

(P19, Bottom Layer, Neap Tide: Dec. 6 - 7, 2000)

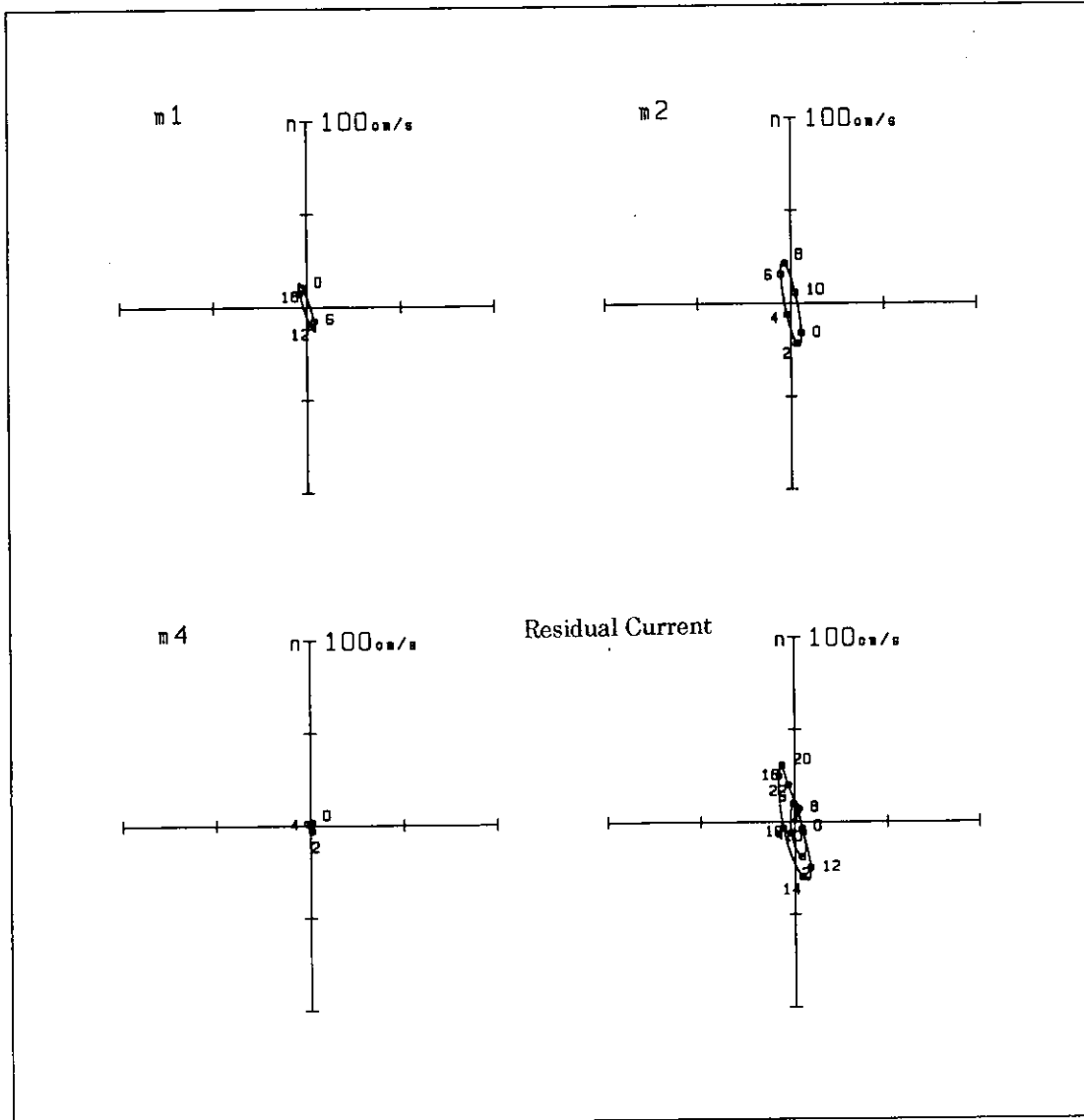


Current Ellipse

(P20, Upper Layer, Neap Tide: Dec. 5 - 6, 2000)

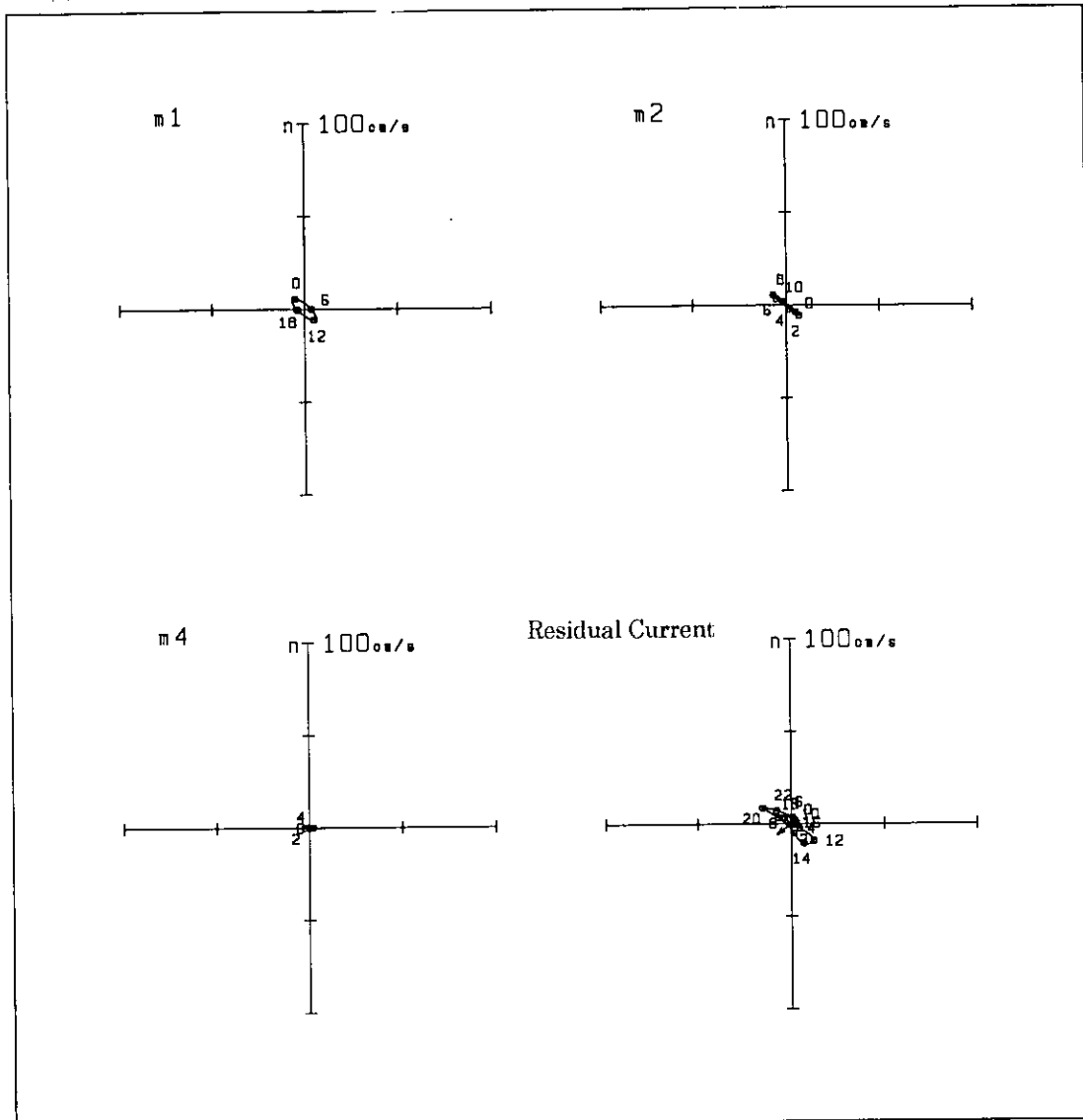


Current Ellipse
(P20, Middle Layer, Neap Tide: Dec. 5 - 6, 2000)

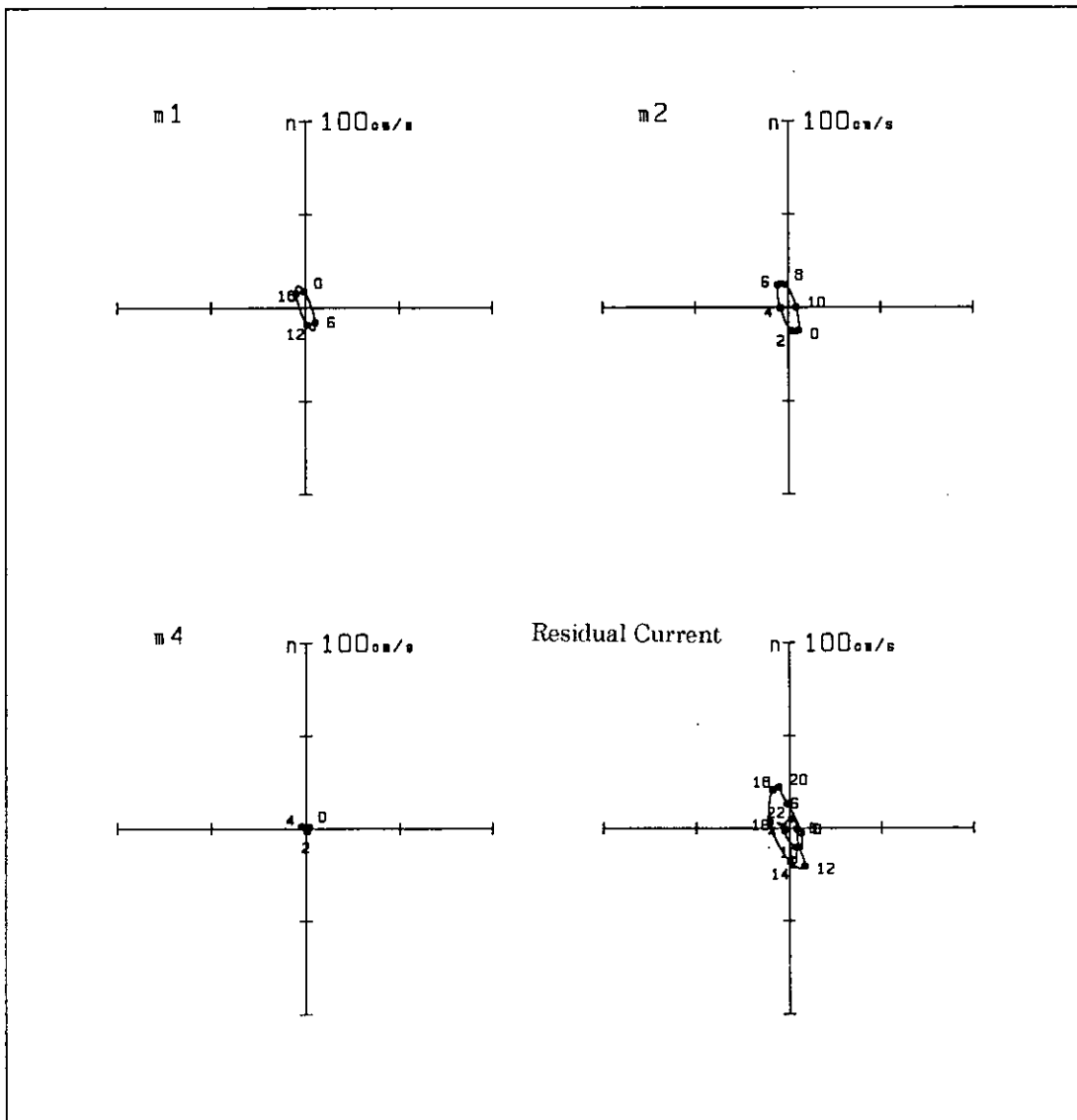


Current Ellipse

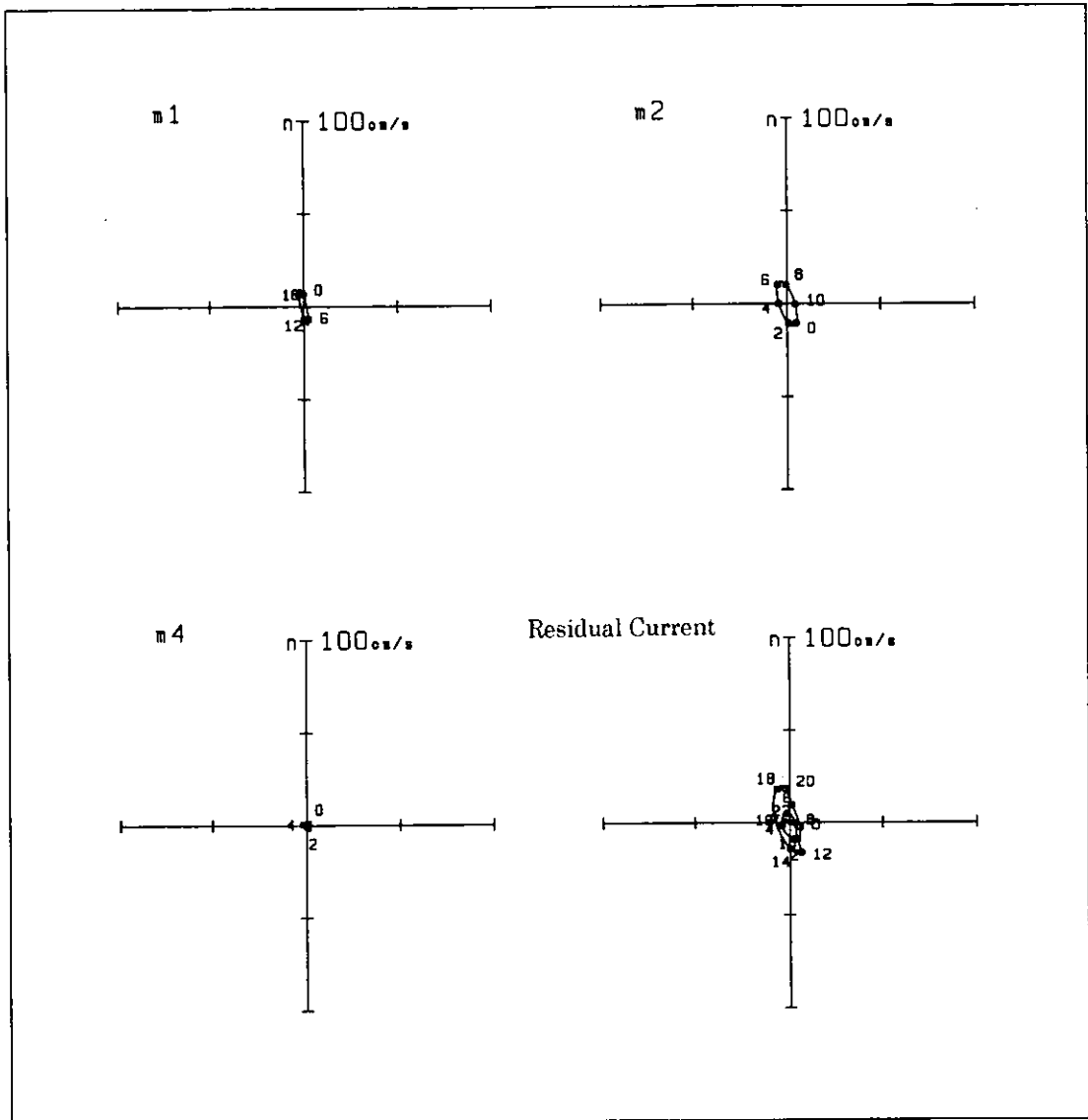
(P20, Bottom Layer, Neap Tide: Dec. 5 - 6, 2000)



Current Ellipse
(P22, Upper Layer, Neap Tide: Dec. 5 - 6, 2000)



Current Ellipse
(P22, Middle Layer, Neap Tide: Dec. 5 - 6, 2000)



Current Ellipse

(P22, Bottom Layer, Neap Tide: Dec. 5 - 6, 2000)