

APPENDIX E NATURAL CONDITIONS

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E 1 Meteorological Conditions

Wind

The monthly average and maximum wind velocity with prevailing wind directions are presented in the Tables E1.1 and E 1.2 respectively. These data were derived from the daily wind having been measured at Meteorological Centre of Klaipeda at 0:00, 3:00, 6:00, 9:00, 12:00, 15:00, 18:00, 21:00 for the period between 1993 and 2002.

Table E 1.1 Monthly Average Wind Velocity and Prevailing Wind Direction (1993-2002)

(Unit: m/sec)

Year/ Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ave.
1993	7.4	5.0	4.2	3.3	3.1	3.4	4.5	4.3	3.2	4.5	4.2	5.8	4.4
	SW	W	SW	NW, NE	E	W, NW	SW	SW, W	NE	E	E	SE	SW, E
1994	5.3	3.3	5.4	3.3	3.3	4.6	2.5	3.1	4.2	4.7	5.8	5.4	4.2
	SW	E	SW	E	NW	W	NW	W	SW, E	SW, E	W	SE	SW- NW, E
1995	5.6	6.5	5.4	4.6	3.4	3.5	3.4	2.6	3.7	4.3	4.0	4.1	4.3
	E	SW	E, SW	N, W, NE	N, W, NW	N, W	W	N	E	W	SE	SE	N-W
1996	3.5	4.7	3.2	2.6	3.5	3.4	4.3	2.9	3.2	3.4	5.4	5.1	3.8
	E, SE	SE	E, SE	E	NE	SW, W	SW	NW	N, NW	SE	E, SW	E	E-SE
1997	4.9	7.0	4.8	5.2	3.6	3.1	3.5	2.6	6.3	4.8	3.9	3.7	4.5
	SW	SW	SW, NW	NW	NW	NE, W	NW	NE	W, SW	W	E	SE	SW- NW
1998	4.7	6.3	4.3	3.7	3.5	3.7	4.1	4.8	3.6	7.1	4.5	5.8	4.7
	SE	SW	N	E	NW	NW	SW, W	W	E	SW	E	E	E, SW
1999	5.8	5.9	4.5	5.1	3.6	2.9	3.6	3.3	3.2	5.5	5.5	8.7	4.8
	E, SW	NW	E	SW	NW	NW	SW	NE	E	E	E	SW, SE	E, SW
2000	6.8	6.5	6.9	4.3	3.9	5.4	5.0	4.5	4.2	6.5	6.5	5.1	5.5
	SW	SW	SW	NW, E	NW	SW	NW	W, SW	NE	E	E	SE	E, SW
2001	5.7	5.3	4.3	3.8	4.8	4.0	3.3	4.5	5.0	5.8	7.8	5.8	5.0
	E	NW, N	E	E	NW	W	NW	W, SW	E	W, SW	W	E	E, NW
2002	7.2	8.3	6.1	3.8	4.7	5.6	5.1	3.9	4.1	5.5	4.9	4.9	5.3
	SW	SW	SW	NE, E	E	SW	SW	NE	N	E	E	E	SW, E

Note: Monthly average of instantaneous wind velocity from daily records at 0:00, 3:00, 6:00, 9:00, 12:00, 15:00, 18:00, 21:00

Source: Meteorological Station Centre

Table E 1.2 Monthly Maximum Wind Velocity and Wind Direction (1993-2002)

(Unit: m/sec)

Year/ Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max
1993	29	24	19	16	13	17	16	18	14	17	16	26	29
	SW	W	SW	SW	SW	W	SW	W	E	SW	ESE	W	SW-W
1994	24	14	22	15	14	22	6	16	22	22	23	21	24
	W	ESE	SW	NN W	NW	W	NW	SW	WS W	WN W	W	W	SW-NW
1995	20	22	20	17	18	14	15	11	22	19	19	16	22
	SW	WS W	WN W	W	W	NN W	W	SW	SW	WN W	SW	W, NW	W, SW
1996	13	19	11	14	17	17	18	14	19	16	22	21	22
	ESE	NW	NW	NW	SW	SW	S	ESE	SE	NW	SW	WN W	NW, SW, ENE
1997	20	25	25	20	14	14	14	13	22	21	18	16	25
	NW	SW	W	NW	SW	SW	SW	NW	WN W	WN W	WS W	WS W	NW-SW
1998	20	20	18	13	14	18	14	16	13	24	21	25	25
	NW	SW	WS W	SE	NW	S	WS W	W	W	WN W	W	SW	NW-SW
1999	25	28	18	20	16	11	13	19	14	21	20	38	38
	SW	W	S	S	W	SE	SW	SE	SW	W	S	W	W, SW- SE
2000	24	22	28	19	18	20	24	17	18	20	18	18	28
	SSW	SW	SW	E	NW	SW	S	SSW	NW	SW	ESE	WS W	SW
2001	20	21	19	15	16	14	15	16	25	31	32	28	32
	WN W, E	NW	WS W	W	SW	SSW	WN W	W	S	WS W	WS W	SW	W- WNW, SW- SSW
2002	32	28	25	18	16	23	32	11	14	18	20	19	32
	WS W	SE, SSW	SW	SW	ESE	WS W	S	NW	NW	W	SW	SW	SW
Absolute Max Wind	32	28	28	20	18	23	32	19	25	31	32	38	38

Source: Meteorological Station Centre

E 2 Oceanographic and Hydraulic Conditions

(1) Wave and Current Information by Wave Recorders

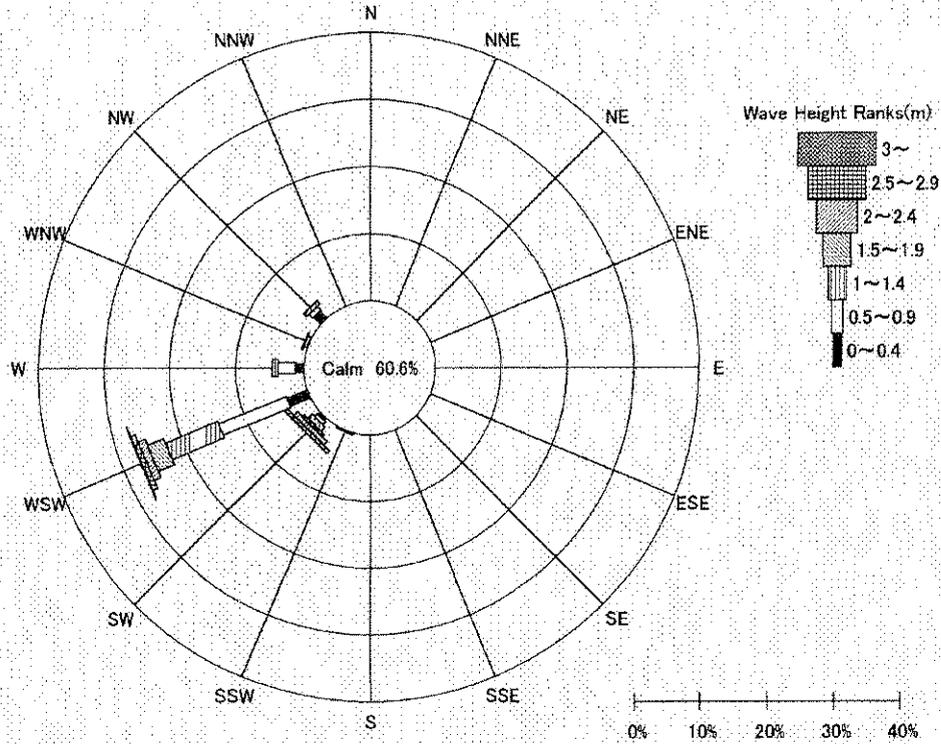
The five (5) wave recorders have been set inside and outside the breakwater by the JICA Study Team in late April and early May 2003. Four of them have already been demobilized in the middle of July 2003, while one of them will be set until December 2003. Long-term characteristic will be obtained from this wave recorder. The results are shown in the followings.

Hydrographic stations. Seaport Klaipėda.
Scale 1 : 100000.



- Measurements 2003 05 02
- Measurements together with Marine Research Center 2003 05 14-15
- St. 1: Wave & Current Recorder (5 May 2003 ~ December 2003)
- St. 2-5: Current & Turbidity Meter (5 May 2003 ~ 20 July 2003)

Observation duration 5 May 2003 14:00~ 18 Jul 2003 8:00(LT)



Significant wave height in each mean wave direction at KLAIPEDA St1

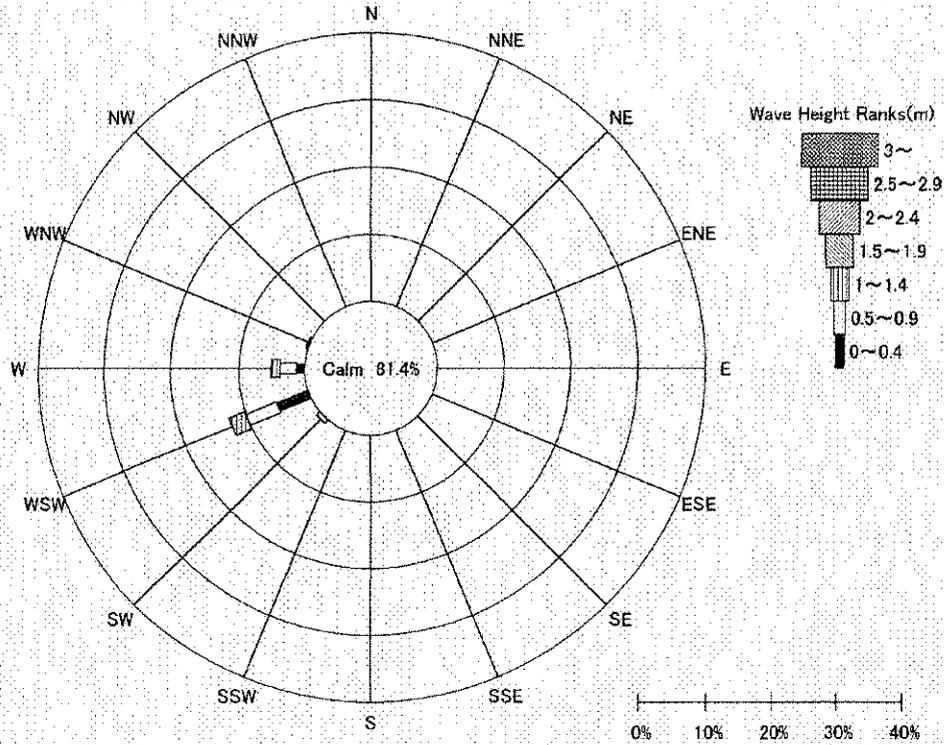
Significant wave height in each mean wave direction at KLAIPEDA St1
Duration 5 May 2003 14:00~ 18 Jul 2003 8:00(LT)

	0 - 4(m)	5 - 9(m)	1.0 - 1.4(m)	1.5 - 1.9(m)	2.0 - 2.4(m)	2.5 - 2.9(m)	3.0 - (m)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
SSW	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
SW	0.5	0.6	0.9	0.5	0.7	0.6	0.0	3.6
WSW	3.3	10.7	8.5	2.7	1.1	0.8	0.1	27.2
W	1.2	2.6	0.8	0.0	0.0	0.0	0.0	4.6
WNW	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.7
NW	1.5	0.8	0.7	0.0	0.0	0.0	0.0	2.9
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.5	15.1	11.3	3.2	1.8	1.4	0.1	39.4

Calm 60.6 %
Obtained 886 Times

(%)

Observation duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)



Significant wave height in each mean wave direction at KLAIPEDA St1

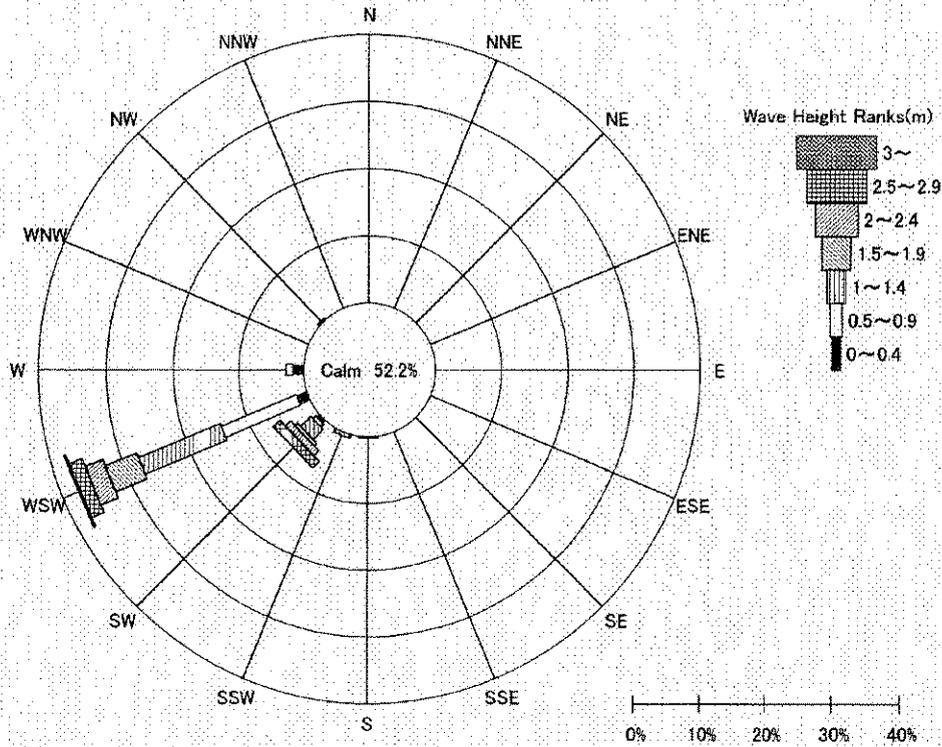
Significant wave height in each mean wave direction at KLAIPEDA St1
Duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)

	0 - 4(m)	5 - 9(m)	1.0 - 1.4(m)	1.5 - 1.9(m)	2.0 - 2.4(m)	2.5 - 2.9(m)	3.0 - (m)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WSW	5.0	5.0	2.5	0.0	0.0	0.0	0.0	12.6
W	1.3	2.5	1.3	0.0	0.0	0.0	0.0	5.0
WNW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.3	8.5	3.8	0.0	0.0	0.0	0.0	18.6

Calm 81.4 %
Obtained 317 Times

(%)

Observation duration: 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)



Significant wave height in each mean wave direction at KLAIPEDA St1

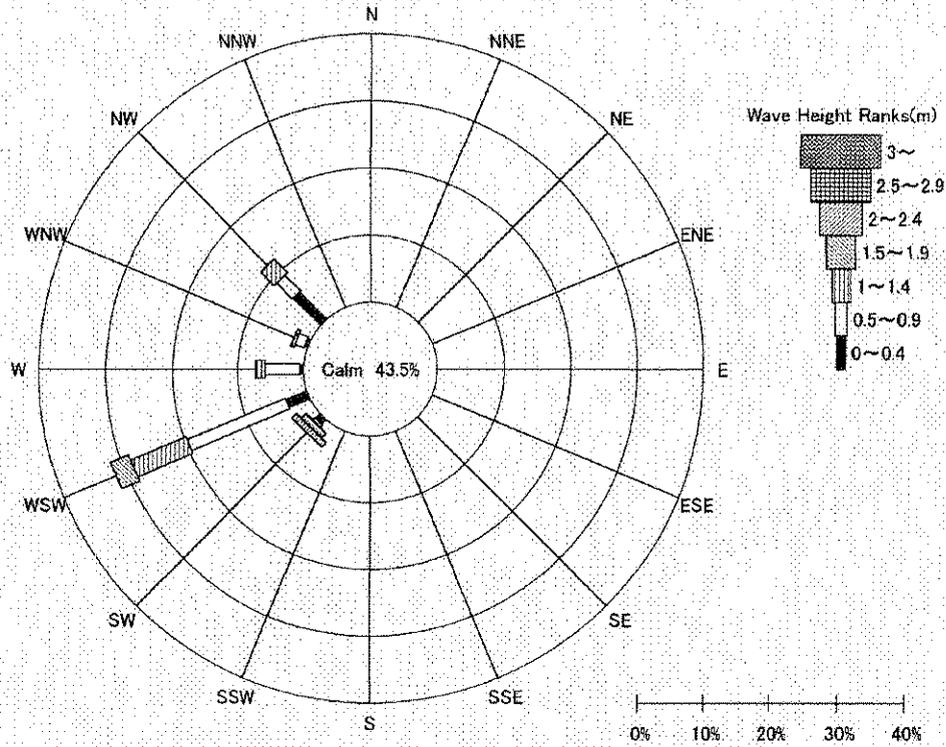
Significant wave height in each mean wave direction at KLAIPEDA St1
Duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)

	0 - 4(m)	5 - 9(m)	1.0 - 1.4(m)	1.5 - 1.9(m)	2.0 - 2.4(m)	2.5 - 2.9(m)	3.0 - (m)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
SSW	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
SW	0.6	0.6	2.2	0.6	1.1	1.4	0.0	6.4
WSW	1.7	12.5	13.3	5.0	2.8	1.9	0.3	37.5
W	1.7	1.1	0.0	0.0	0.0	0.0	0.0	2.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.2	14.2	16.4	5.6	3.9	3.3	0.3	47.8

Calm 52.2 %
Obtained 360 Times

(%)

Observation duration: 1 Jul 2003 0:00~ 18 Jul 2003 8:00(LT)



Significant wave height in each mean wave direction at KLAIPEDA St1

Significant wave height in each mean wave direction at KLAIPEDA St1

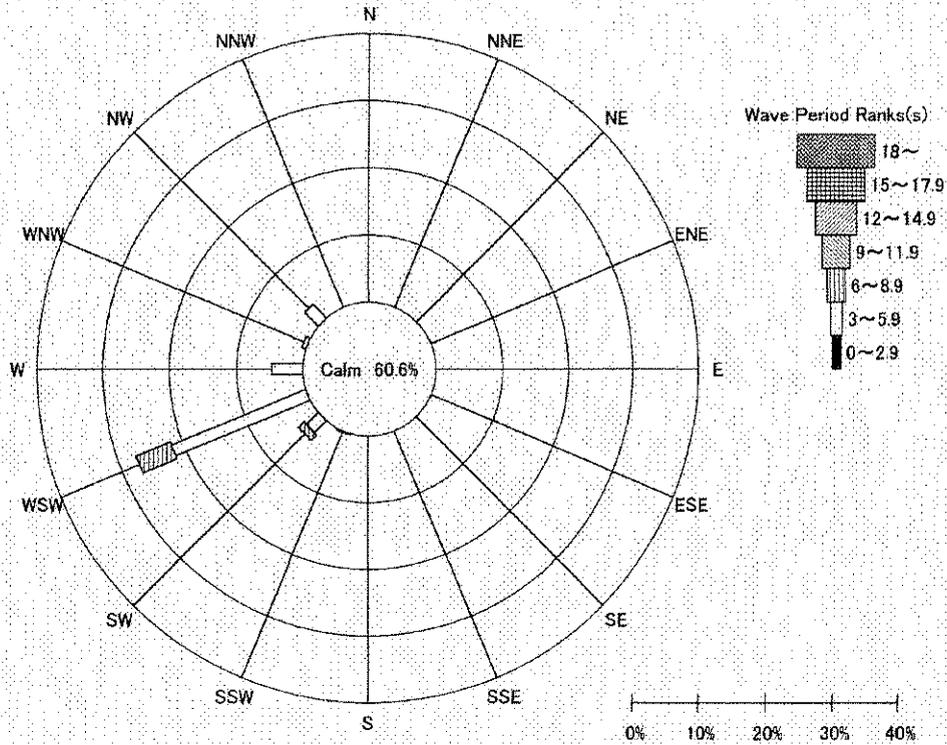
Duration 1 Jul 2003 0:00~ 18 Jul 2003 8:00(LT)

	0 - 0.4(m)	0.5 - 0.9(m)	1.0 - 1.4(m)	1.5 - 1.9(m)	2.0 - 2.4(m)	2.5 - 2.9(m)	3.0 - (m)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	1.0	0.5	0.0	1.0	1.0	0.0	0.0	3.3
WSW	3.3	16.3	9.1	2.9	0.0	0.0	0.0	31.6
W	0.5	5.3	1.4	0.0	0.0	0.0	0.0	7.2
WNW	0.5	1.4	0.5	0.0	0.0	0.0	0.0	2.4
NW	5.7	3.3	2.9	0.0	0.0	0.0	0.0	12.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	11.0	26.8	13.9	3.8	1.0	0.0	0.0	56.5

Calm 43.5 %
 Obtained 209 Times

(%)

Observation duration: 5 May 2003 14:00 ~ 18 Jul 2003 8:00(LT)



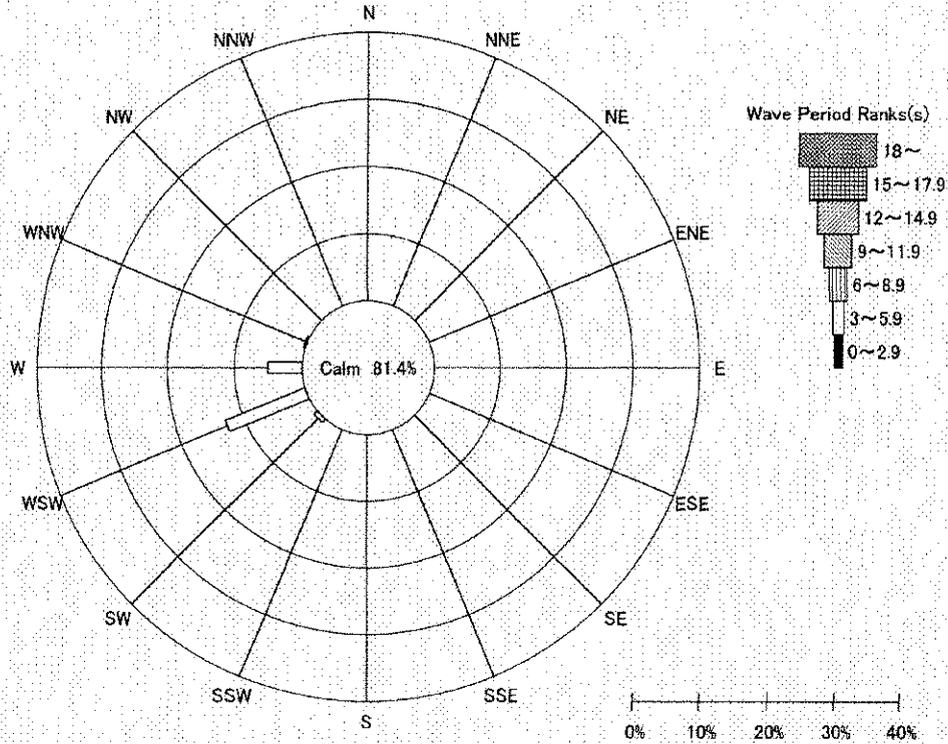
Significant wave period in each mean wave direction at KLAIPEDA St1

Significant wave period in each mean wave direction at KLAIPEDA St1
Duration 5 May 2003 14:00 ~ 18 Jul 2003 8:00(LT)

	0 - 2.9(s)	3.0 - 5.9(s)	6.0 - 8.9(s)	9.0 - 11.9(s)	12.0 - 14.9(s)	15.0 - 17.9(s)	18.0 - (s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
SSW	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
SW	0.0	2.5	1.1	0.0	0.0	0.0	0.0	3.6
WSW	0.0	21.7	5.5	0.0	0.0	0.0	0.0	27.2
W	0.0	4.6	0.0	0.0	0.0	0.0	0.0	4.6
WNW	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7
NW	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	32.7	6.7	0.0	0.0	0.0	0.0	39.4

Calm 60.6 %
Obtained 886 Times (%)

Observation duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)



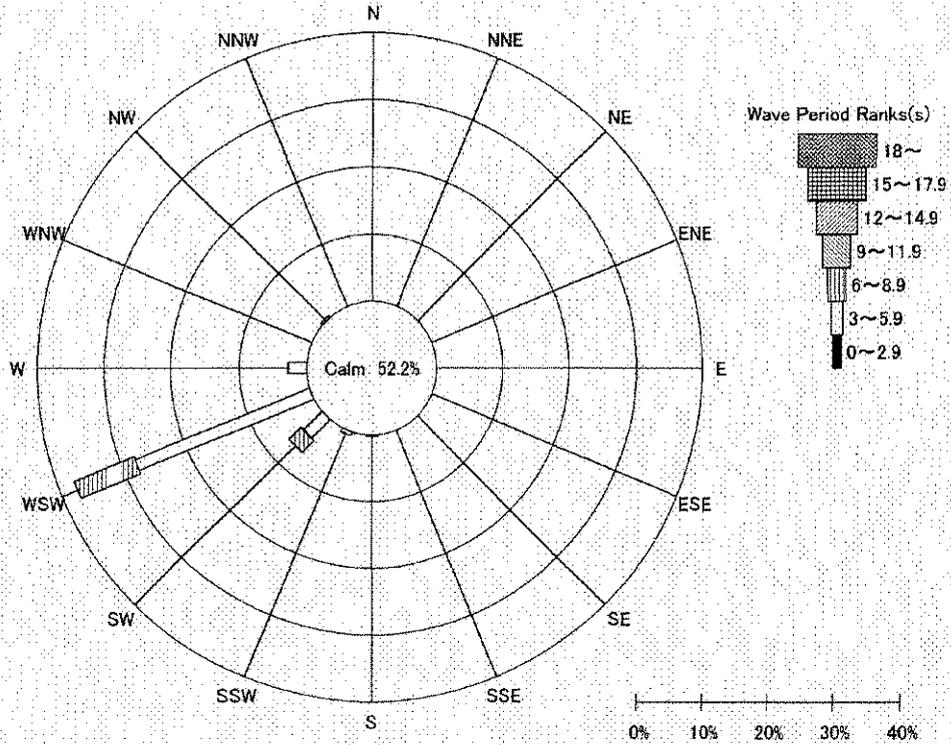
Significant wave period in each mean wave direction at KLAIPEDA St1

Significant wave period in each mean wave direction at KLAIPEDA St1
Duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)

	0 - 2.9(s)	3.0 - 5.9(s)	6.0 - 8.9(s)	9.0 - 11.9(s)	12.0 - 14.9(s)	15.0 - 17.9(s)	18.0 - (s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WSW	0.0	12.6	0.0	0.0	0.0	0.0	0.0	12.6
W	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0
WNW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	18.6	0.0	0.0	0.0	0.0	0.0	18.6

Calm 81.4 %
Obtained 317 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)



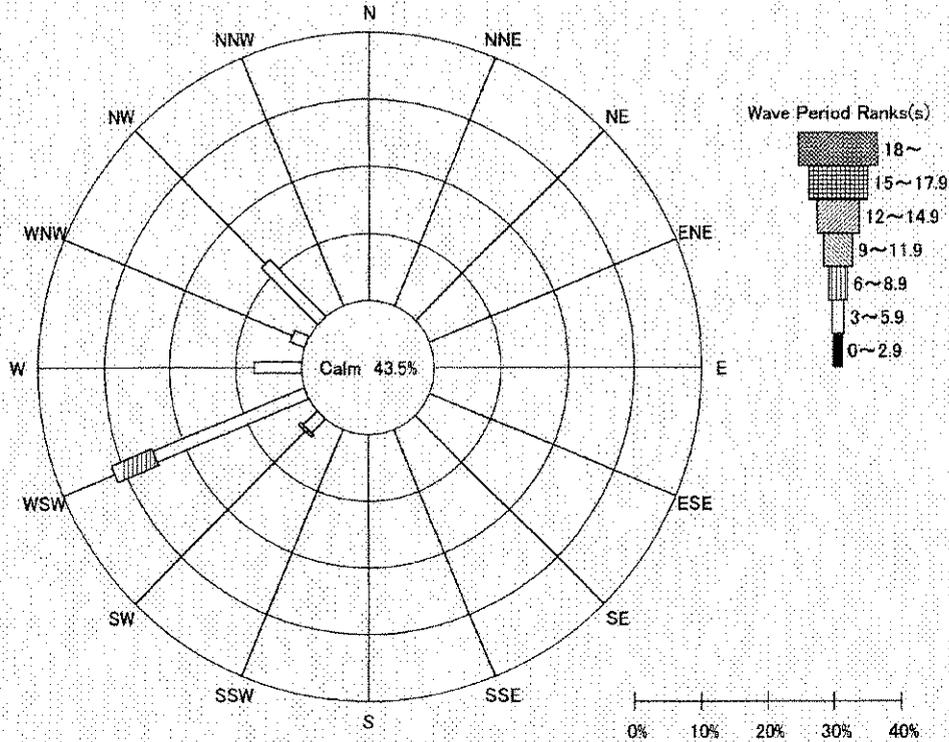
Significant wave period in each mean wave direction at KLAIPEDA St1

Significant wave period in each mean wave direction at KLAIPEDA St1
Duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)

	0 - 2.9(s)	3.0 - 5.9(s)	6.0 - 8.9(s)	9.0 - 11.9(s)	12.0 - 14.9(s)	15.0 - 17.9(s)	18.0 - (s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
SSW	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
SW	0.0	3.9	2.5	0.0	0.0	0.0	0.0	6.4
WSW	0.0	27.8	9.7	0.0	0.0	0.0	0.0	37.5
W	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	35.6	12.2	0.0	0.0	0.0	0.0	47.8

Calm 52.2 %
Obtained 360 Times (%)

Observation duration 1 Jul 2003 0:00~ 18 Jul 2003 8:00(LT)



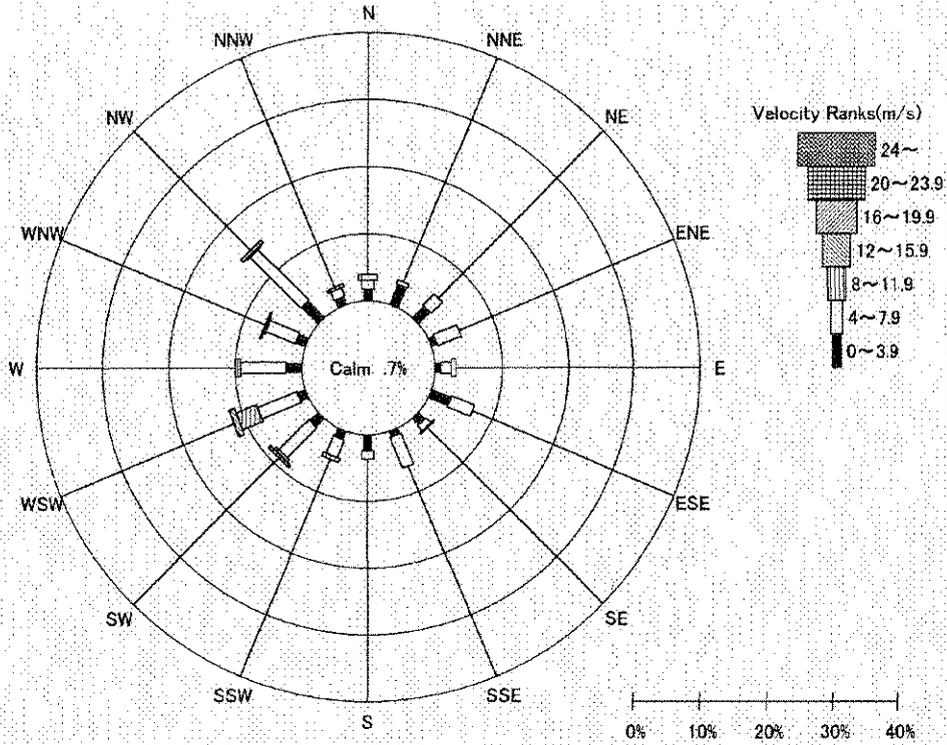
Significant wave period in each mean wave direction at KLAIPEDA St1

Significant wave period in each mean wave direction at KLAIPEDA St1
Duration 1 Jul 2003 0:00~ 18 Jul 2003 8:00(LT)

	0 - 2.9	3.0 - 5.9	6.0 - 8.9	9.0 - 11.9	12.0 - 14.9	15.0 - 17.9	18.0 -	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	2.9	0.5	0.0	0.0	0.0	0.0	3.3
WSW	0.0	24.9	6.7	0.0	0.0	0.0	0.0	31.6
W	0.0	7.2	0.0	0.0	0.0	0.0	0.0	7.2
WNW	0.0	2.4	0.0	0.0	0.0	0.0	0.0	2.4
NW	0.0	12.0	0.0	0.0	0.0	0.0	0.0	12.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	49.3	7.2	0.0	0.0	0.0	0.0	56.5

Calm 43.5 %
Obtained 209 Times (%)

Observation duration: 1 Mar 2003 0:00~ 31 Jul 2003 23:00(LT)



Velocity in each direction(Mean Wind) at KLAIPEDA

Velocity in each direction(Mean Wind) at KLAIPEDA

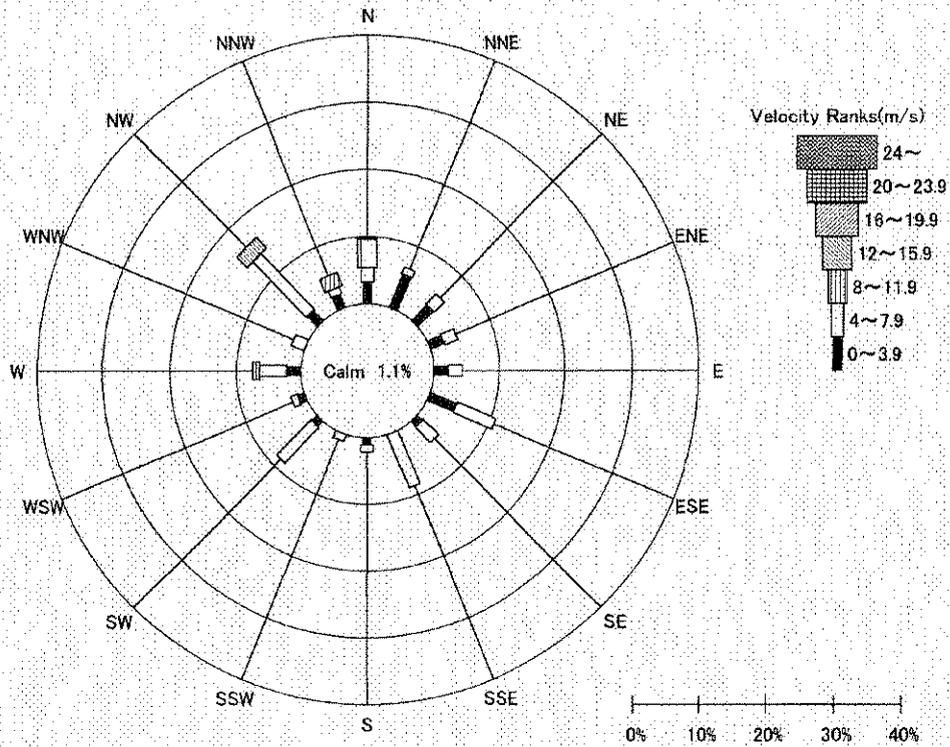
Duration 1 Mar 2003 0:00~ 31 Jul 2003 23:00(LT)

	0 - 3.9(m/s)	4.0 - 7.9(m/s)	8.0 - 11.9(m/s)	12.0 - 15.9(m/s)	16.0 - 19.9(m/s)	20.0 - 23.9(m/s)	24.0 - (m/s)	Total
NNE	3.3	0.7	0.0	0.0	0.0	0.0	0.0	3.9
NE	2.4	2.4	0.0	0.0	0.0	0.0	0.0	4.8
ENE	0.9	3.7	0.0	0.0	0.0	0.0	0.0	4.6
E	0.9	1.5	0.7	0.0	0.0	0.0	0.0	3.1
ESE	3.1	3.7	0.0	0.0	0.0	0.0	0.0	6.8
SE	1.3	1.1	0.2	0.0	0.0	0.0	0.0	2.6
SSE	0.9	5.0	0.0	0.0	0.0	0.0	0.0	5.9
S	2.4	1.3	0.0	0.0	0.0	0.0	0.0	3.7
SSW	1.3	2.8	0.7	0.0	0.0	0.0	0.0	4.8
SW	1.7	6.3	0.4	0.4	0.0	0.0	0.0	8.9
WSW	1.3	6.3	3.3	0.9	0.0	0.0	0.0	11.8
W	2.4	6.8	0.9	0.0	0.0	0.0	0.0	10.0
WNW	1.5	4.8	0.2	0.2	0.0	0.0	0.0	6.8
NW	3.5	10.7	0.2	0.4	0.0	0.0	0.0	14.8
NNW	1.3	1.3	0.4	0.0	0.0	0.0	0.0	3.1
N	1.7	1.3	0.9	0.0	0.0	0.0	0.0	3.9
Total	29.8	59.7	7.8	2.0	0.0	0.0	0.0	99.3

Calm 0.7 %
Obtained 459 Times

(%)

Observation duration 1 Mar 2003 0:00~ 31 Mar 2003 23:00(LT)



Velocity in each direction(Mean Wind) at KLAIPEDA

Velocity in each direction(Mean Wind) at KLAIPEDA

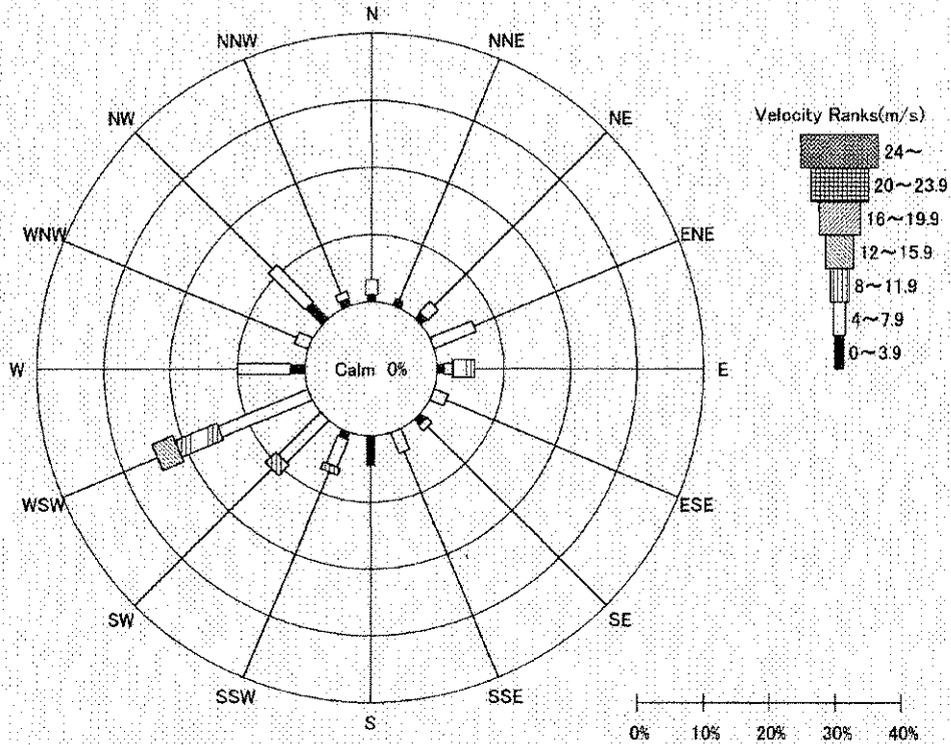
Duration 1 Mar 2003 0:00~ 31 Mar 2003 23:00(LT)

	0 - 3.9(m/s)	4.0 - 7.9(m/s)	8.0 - 11.9(m/s)	12.0 - 15.9(m/s)	16.0 - 19.9(m/s)	20.0 - 23.9(m/s)	24.0 - (m/s)	Total
NNE	5.4	1.1	0.0	0.0	0.0	0.0	0.0	6.5
NE	3.2	2.2	0.0	0.0	0.0	0.0	0.0	5.4
ENE	2.2	2.2	0.0	0.0	0.0	0.0	0.0	4.3
E	2.2	2.2	0.0	0.0	0.0	0.0	0.0	4.3
ESE	4.3	6.5	0.0	0.0	0.0	0.0	0.0	10.8
SE	1.1	3.2	0.0	0.0	0.0	0.0	0.0	4.3
SSE	0.0	8.6	0.0	0.0	0.0	0.0	0.0	8.6
S	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
SSW	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.1
SW	1.1	7.5	0.0	0.0	0.0	0.0	0.0	8.6
WSW	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
W	2.2	4.3	1.1	0.0	0.0	0.0	0.0	7.5
WNW	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.2
NW	2.2	11.8	0.0	2.2	0.0	0.0	0.0	16.1
NNW	2.2	1.1	2.2	0.0	0.0	0.0	0.0	5.4
N	3.2	2.2	4.3	0.0	0.0	0.0	0.0	9.7
Total	31.2	58.1	7.5	2.2	0.0	0.0	0.0	98.9

Calm 1.1 %
Obtained 93 Times

(%)

Observation duration 1 Apr 2003 0:00~ 30 Apr 2003 23:00(LT)



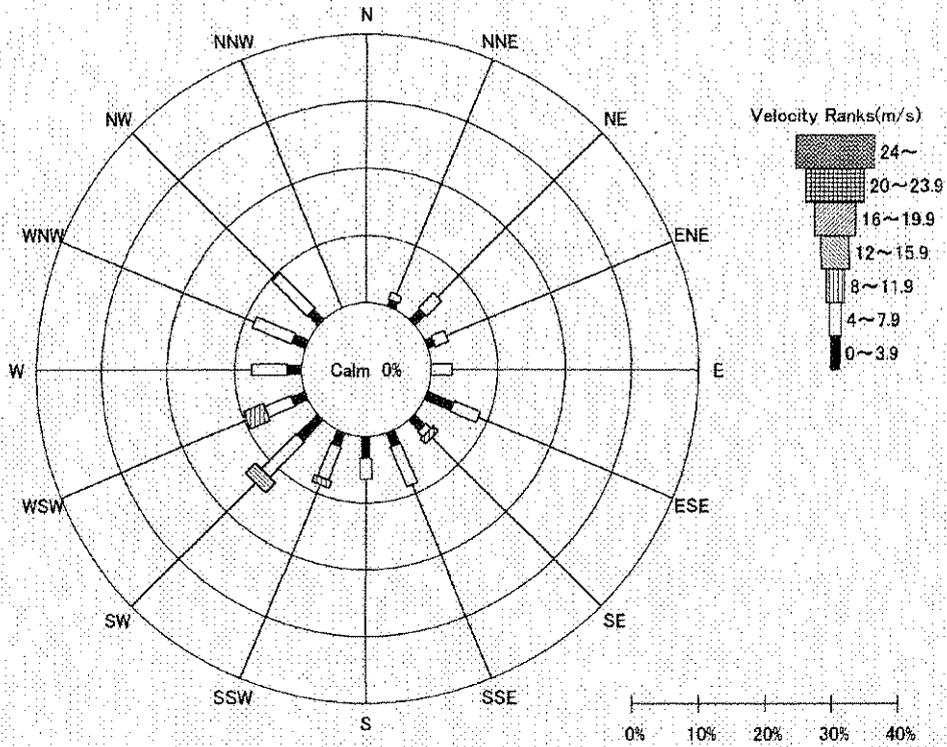
Velocity in each direction(Mean Wind) at KLAIPEDA

Velocity in each direction(Mean Wind) at KLAIPEDA
Duration 1 Apr 2003 0:00~ 30 Apr 2003 23:00(LT)

	0 - 3.9(m/s)	4.0 - 7.9(m/s)	8.0 - 11.9(m/s)	12.0 - 15.9(m/s)	16.0 - 19.9(m/s)	20.0 - 23.9(m/s)	24.0 - (m/s)	Total
NNE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
NE	1.1	2.2	0.0	0.0	0.0	0.0	0.0	3.3
ENE	0.0	6.7	0.0	0.0	0.0	0.0	0.0	6.7
E	1.1	1.1	3.3	0.0	0.0	0.0	0.0	5.6
ESE	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.2
SE	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
SSE	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3
S	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4
SSW	1.1	4.4	1.1	0.0	0.0	0.0	0.0	6.7
SW	0.0	8.9	2.2	0.0	0.0	0.0	0.0	11.1
WSW	0.0	14.4	6.7	3.3	0.0	0.0	0.0	24.4
W	2.2	7.8	0.0	0.0	0.0	0.0	0.0	10.0
WNW	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.2
NW	3.3	7.8	0.0	0.0	0.0	0.0	0.0	11.1
NNW	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
N	1.1	2.2	0.0	0.0	0.0	0.0	0.0	3.3
Total	17.8	65.6	13.3	3.3	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 90 Times (%)

Observation duration 1 May 2003 0:00~ 31 May 2003 23:00(LT)



Velocity in each direction(Mean Wind) at KLAIPEDA

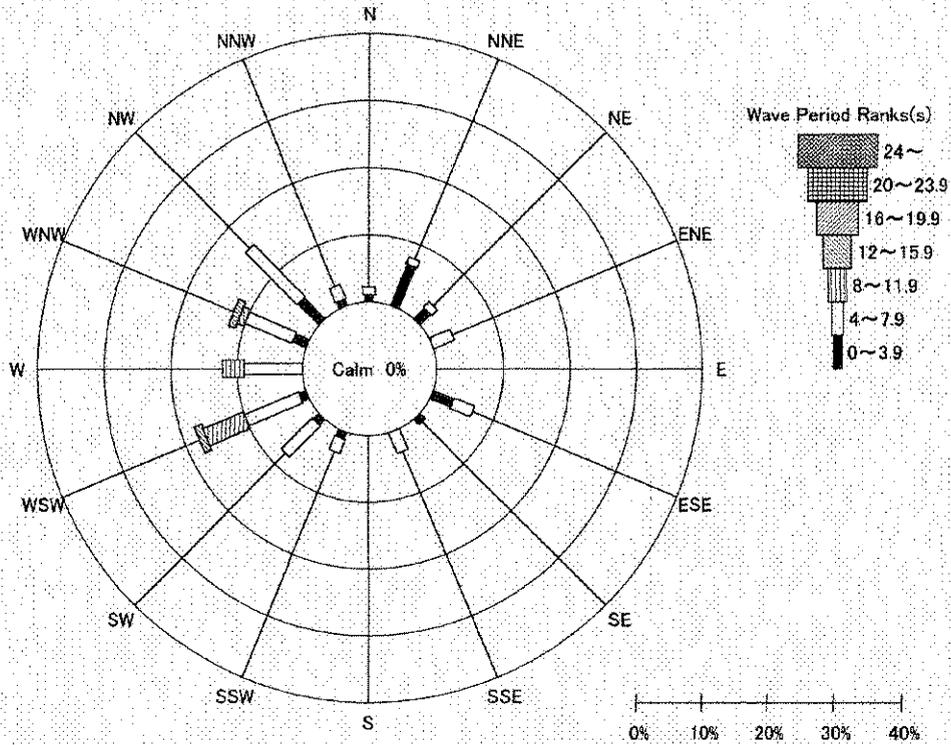
Velocity in each direction(Mean Wind) at KLAIPEDA

Duration 1 May 2003 0:00~ 31 May 2003 23:00(LT)

	0 - 3.9(m/s)	4.0 - 7.9(m/s)	8.0 - 11.9(m/s)	12.0 - 15.9(m/s)	16.0 - 19.9(m/s)	20.0 - 23.9(m/s)	24.0 - (m/s)	Total
NNE	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
NE	2.2	3.2	0.0	0.0	0.0	0.0	0.0	5.4
ENE	1.1	2.2	0.0	0.0	0.0	0.0	0.0	3.2
E	0.0	3.2	0.0	0.0	0.0	0.0	0.0	3.2
ESE	4.3	4.3	0.0	0.0	0.0	0.0	0.0	8.6
SE	2.2	1.1	1.1	0.0	0.0	0.0	0.0	4.3
SSE	2.2	6.5	0.0	0.0	0.0	0.0	0.0	8.6
S	3.2	3.2	0.0	0.0	0.0	0.0	0.0	6.5
SSW	2.2	5.4	1.1	0.0	0.0	0.0	0.0	8.6
SW	4.3	7.5	0.0	2.2	0.0	0.0	0.0	14.0
WSW	2.2	4.3	3.2	0.0	0.0	0.0	0.0	9.7
W	2.2	5.4	0.0	0.0	0.0	0.0	0.0	7.5
WNW	2.2	6.5	0.0	0.0	0.0	0.0	0.0	8.6
NW	2.2	7.5	0.0	0.0	0.0	0.0	0.0	9.7
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	31.2	61.3	5.4	2.2	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 93 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)



Velocity in each direction(Mean Wind) at KLAIPEDA

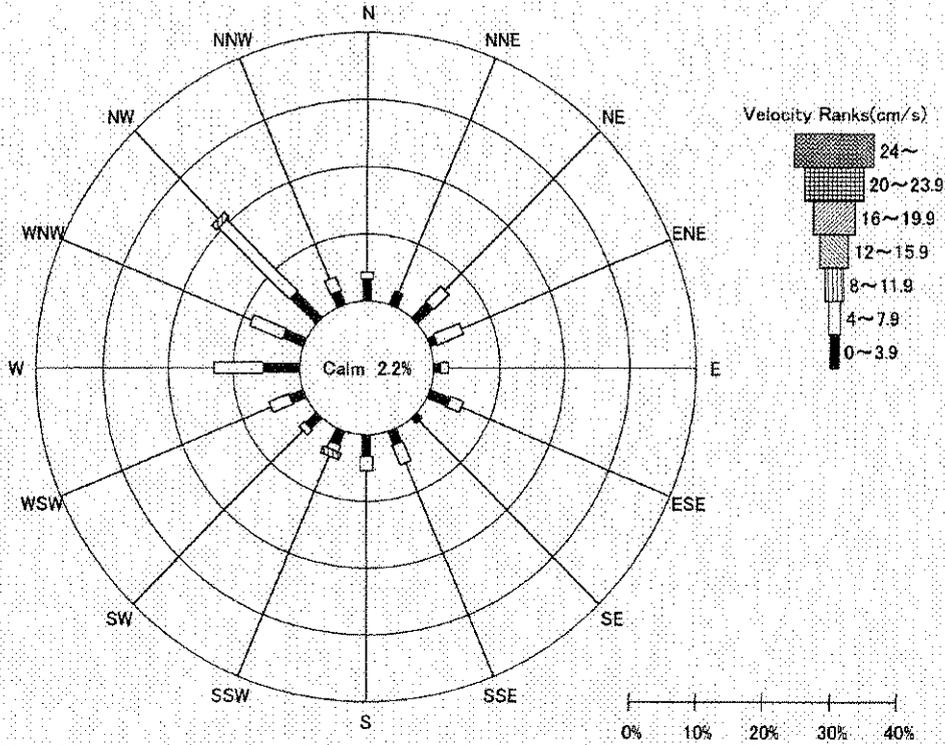
Velocity in each direction(Mean Wind) at KLAIPEDA

Duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)

	0 - 3.9(m/s)	4.0 - 7.9(m/s)	8.0 - 11.9(m/s)	12.0 - 15.9(m/s)	16.0 - 19.9(m/s)	20.0 - 23.9(m/s)	24.0 - (m/s)	Total
NNE	6.7	1.1	0.0	0.0	0.0	0.0	0.0	7.8
NE	2.2	1.1	0.0	0.0	0.0	0.0	0.0	3.3
ENE	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	3.3	3.3	0.0	0.0	0.0	0.0	0.0	6.7
SE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SSE	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	1.1	2.2	0.0	0.0	0.0	0.0	0.0	3.3
SW	1.1	6.7	0.0	0.0	0.0	0.0	0.0	7.8
WSW	1.1	8.9	6.7	1.1	0.0	0.0	0.0	17.8
W	0.0	8.9	3.3	0.0	0.0	0.0	0.0	12.2
WNW	2.2	7.8	1.1	1.1	0.0	0.0	0.0	12.2
NW	4.4	11.1	0.0	0.0	0.0	0.0	0.0	15.6
NNW	1.1	2.2	0.0	0.0	0.0	0.0	0.0	3.3
N	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
Total	25.6	61.1	11.1	2.2	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 90 Times (%)

Observation duration 1 Jul 2003 0:00~ 31 Jul 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA

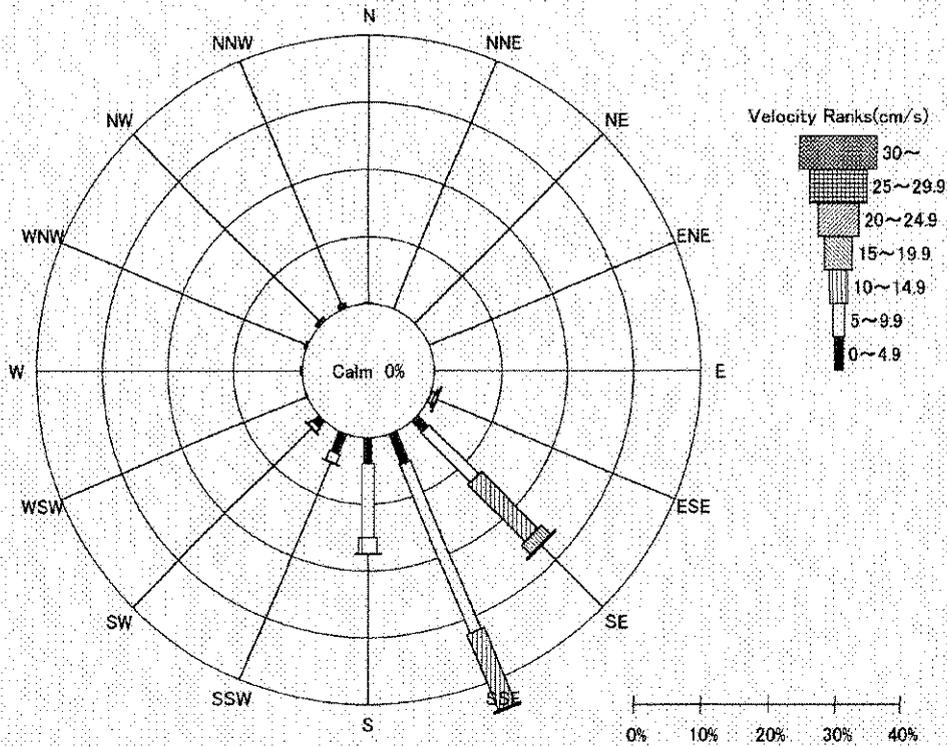
Velocity in each direction(Mean current) at KLAIPEDA

Duration 1 Jul 2003 0:00~ 31 Jul 2003 23:00(LT)

	0 - 3.9(m/s)	4.0 - 7.9(m/s)	8.0 - 11.9(m/s)	12.0 - 15.9(m/s)	16.0 - 19.9(m/s)	20.0 - 23.9(m/s)	24.0 - (m/s)	Total
NNE	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
NE	3.2	3.2	0.0	0.0	0.0	0.0	0.0	6.5
ENE	1.1	4.3	0.0	0.0	0.0	0.0	0.0	5.4
E	1.1	1.1	0.0	0.0	0.0	0.0	0.0	2.2
ESE	3.2	2.2	0.0	0.0	0.0	0.0	0.0	5.4
SE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SSE	2.2	3.2	0.0	0.0	0.0	0.0	0.0	5.4
S	3.2	2.2	0.0	0.0	0.0	0.0	0.0	5.4
SSW	2.2	1.1	1.1	0.0	0.0	0.0	0.0	4.3
SW	2.2	1.1	0.0	0.0	0.0	0.0	0.0	3.2
WSW	2.2	3.2	0.0	0.0	0.0	0.0	0.0	5.4
W	5.4	7.5	0.0	0.0	0.0	0.0	0.0	12.9
WNW	3.2	5.4	0.0	0.0	0.0	0.0	0.0	8.6
NW	5.4	15.1	1.1	0.0	0.0	0.0	0.0	21.5
NNW	2.2	2.2	0.0	0.0	0.0	0.0	0.0	4.3
N	3.2	1.1	0.0	0.0	0.0	0.0	0.0	4.3
Total	43.0	52.7	2.2	0.0	0.0	0.0	0.0	97.8

Calm 2.2 %
Obtained 93 Times (%)

Observation duration 5 May 2003 14:00~ 18 Jul 2003 8:00(LT)



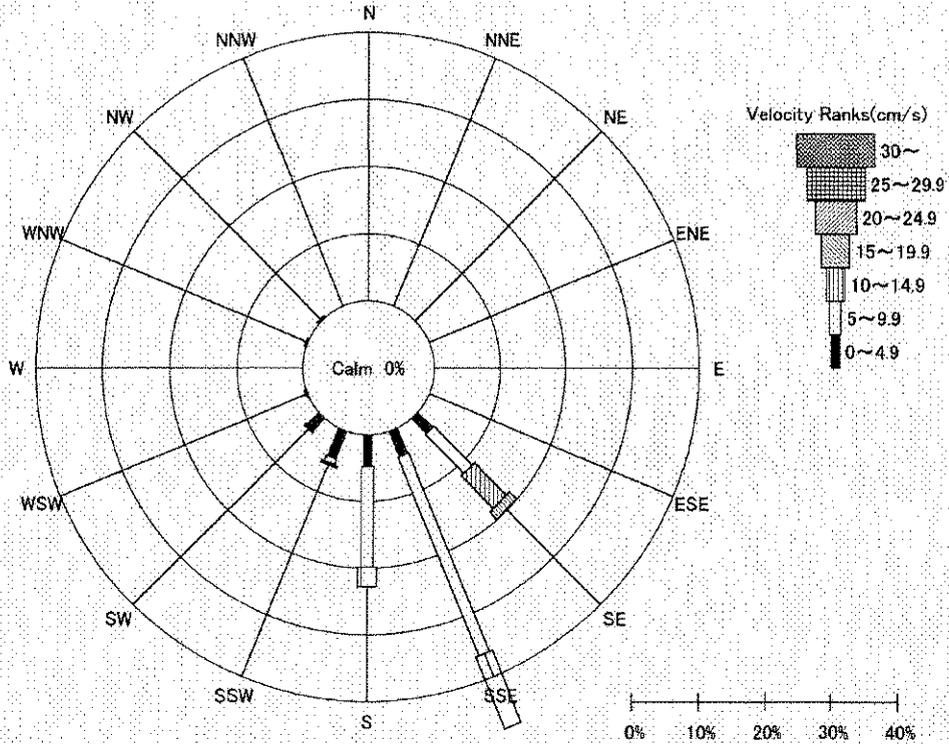
Velocity in each direction(Mean current) at KLAIPEDA St1

Velocity in each direction(Mean current) at KLAIPEDA St1
Duration 5 May 2003 14:00~ 18 Jul 2003 8:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
ESE	0.1	0.6	0.5	0.1	0.0	0.0	0.0	1.2
SE	2.3	10.4	12.1	2.0	0.2	0.0	0.0	27.0
SSE	4.9	27.3	12.3	0.3	0.0	0.0	0.0	44.8
S	4.0	11.1	2.4	0.1	0.0	0.0	0.0	17.5
SSW	3.2	1.6	0.1	0.0	0.0	0.0	0.0	4.9
SW	1.2	0.8	0.1	0.0	0.0	0.0	0.0	2.1
WSW	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
W	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WNW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6
NNW	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
N	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Total	17.8	51.9	27.4	2.6	0.2	0.0	0.0	100.0

Calm 0.0 %
Obtained 886 Times (%)

Observation duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)



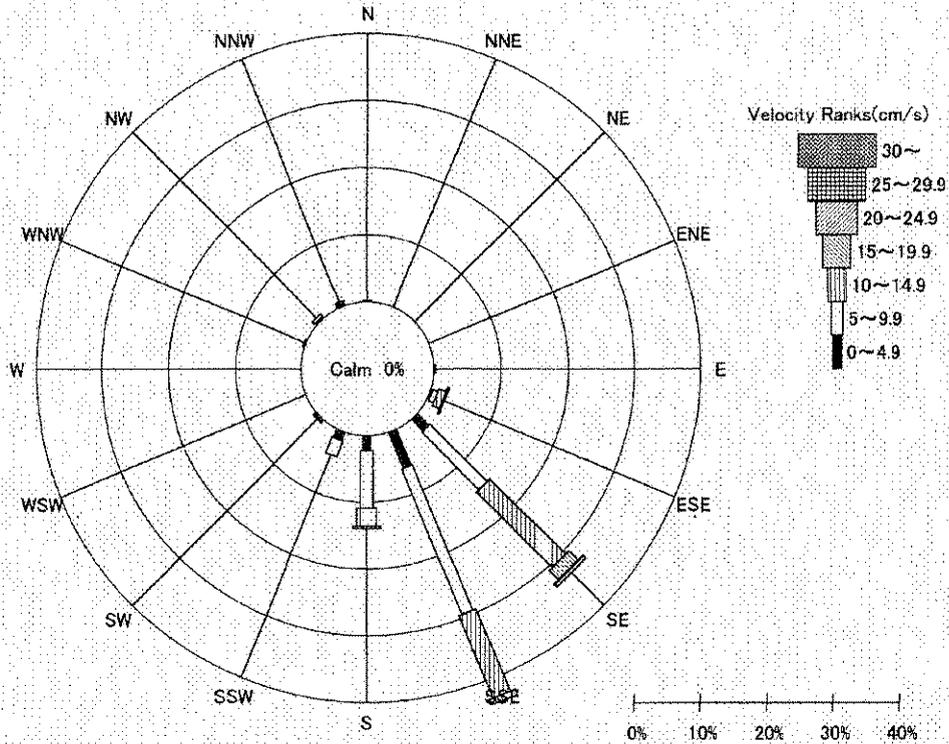
Velocity in each direction(Mean current) at KLAIPEDA St1

Velocity in each direction(Mean current) at KLAIPEDA St1
Duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	3.2	8.2	6.9	1.6	0.0	0.0	0.0	19.9
SSE	4.1	32.2	11.7	0.0	0.0	0.0	0.0	47.9
S	4.7	15.1	2.8	0.0	0.0	0.0	0.0	22.7
SSW	4.4	0.9	0.3	0.0	0.0	0.0	0.0	5.7
SW	2.5	0.3	0.0	0.0	0.0	0.0	0.0	2.8
WSW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	19.9	56.8	21.8	1.6	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 317 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St1

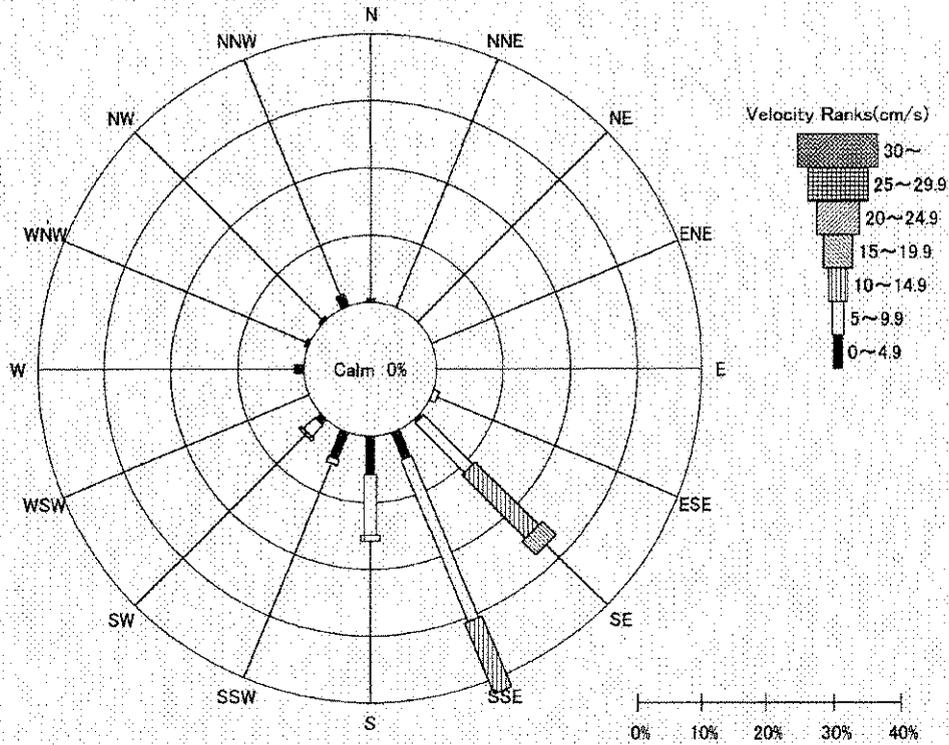
Velocity in each direction(Mean current) at KLAIPEDA St1

Duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
ESE	0.3	0.8	1.1	0.3	0.0	0.0	0.0	2.5
SE	2.5	12.2	15.8	1.9	0.6	0.0	0.0	33.1
SSE	5.8	23.6	13.3	0.8	0.0	0.0	0.0	43.6
S	2.2	8.6	2.8	0.3	0.0	0.0	0.0	13.9
SSW	1.4	2.5	0.0	0.0	0.0	0.0	0.0	3.9
SW	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.8
NNW	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
N	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Total	14.4	48.6	33.1	3.3	0.6	0.0	0.0	100.0

Calm 0.0 %
Obtained 360 Times (%)

Observation duration 1 Jul 2003 0:00~ 18 Jul 2003 8:00(LT)



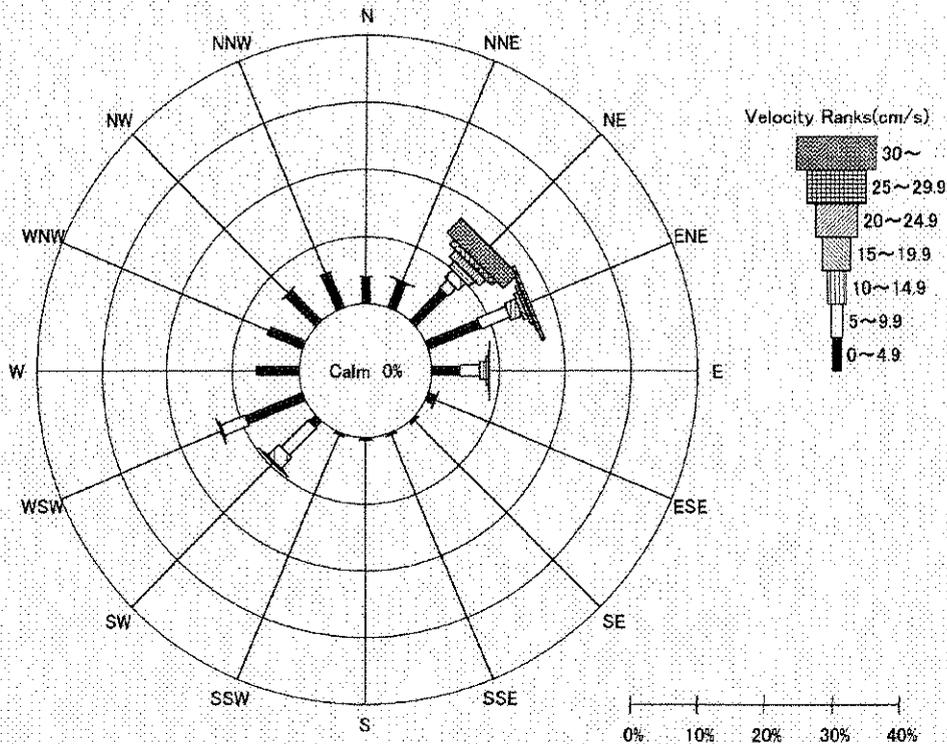
Velocity in each direction(Mean current) at KLAIPEDA St1

Velocity in each direction(Mean current) at KLAIPEDA St1
Duration 1 Jul 2003 0:00~ 18 Jul 2003 8:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
SE	0.5	10.5	13.4	2.9	0.0	0.0	0.0	27.3
SSE	4.3	26.3	11.5	0.0	0.0	0.0	0.0	42.1
S	5.7	9.1	1.0	0.0	0.0	0.0	0.0	15.8
SSW	4.3	1.0	0.0	0.0	0.0	0.0	0.0	5.3
SW	1.0	2.4	0.5	0.0	0.0	0.0	0.0	3.8
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
WNW	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
NW	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
NNW	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9
N	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Total	20.6	50.2	26.3	2.9	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 209 Times

Observation duration 5 May 2003 11:00~ 15 Jul 2003 15:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St2

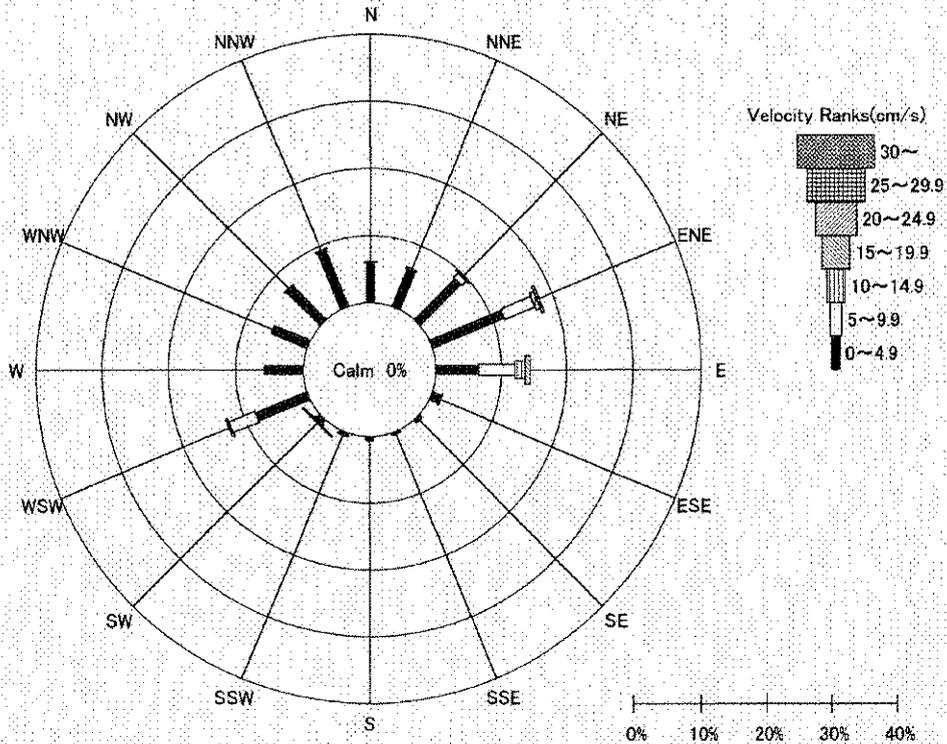
Velocity in each direction(Mean current) at KLAIPEDA St2

Duration 5 May 2003 11:00~ 15 Jul 2003 15:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	4.2	0.2	0.0	0.1	0.0	0.0	0.0	4.4
NE	6.7	1.7	1.6	1.1	1.3	1.0	3.0	16.3
ENE	8.4	4.6	1.8	0.7	0.5	0.2	0.5	16.7
E	4.2	2.9	0.9	0.4	0.1	0.0	0.0	8.5
ESE	1.3	0.1	0.1	0.0	0.0	0.0	0.0	1.4
SE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SSE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
S	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SSW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SW	1.3	5.7	2.3	0.2	0.0	0.0	0.0	9.4
WSW	9.2	4.0	0.2	0.0	0.0	0.0	0.0	13.5
W	6.3	0.0	0.0	0.0	0.0	0.0	0.0	6.3
WNW	5.6	0.0	0.0	0.0	0.0	0.0	0.0	5.6
NW	6.4	0.0	0.0	0.0	0.0	0.0	0.0	6.5
NNW	5.6	0.1	0.0	0.0	0.0	0.0	0.0	5.7
N	4.0	0.1	0.0	0.0	0.0	0.0	0.0	4.1
Total	64.6	19.4	6.9	2.5	1.9	1.2	3.5	100.0

Calm 0.0 %
Obtained 3417 Times (%)

Observation duration 5 May 2003 11:00~ 31 May 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St2

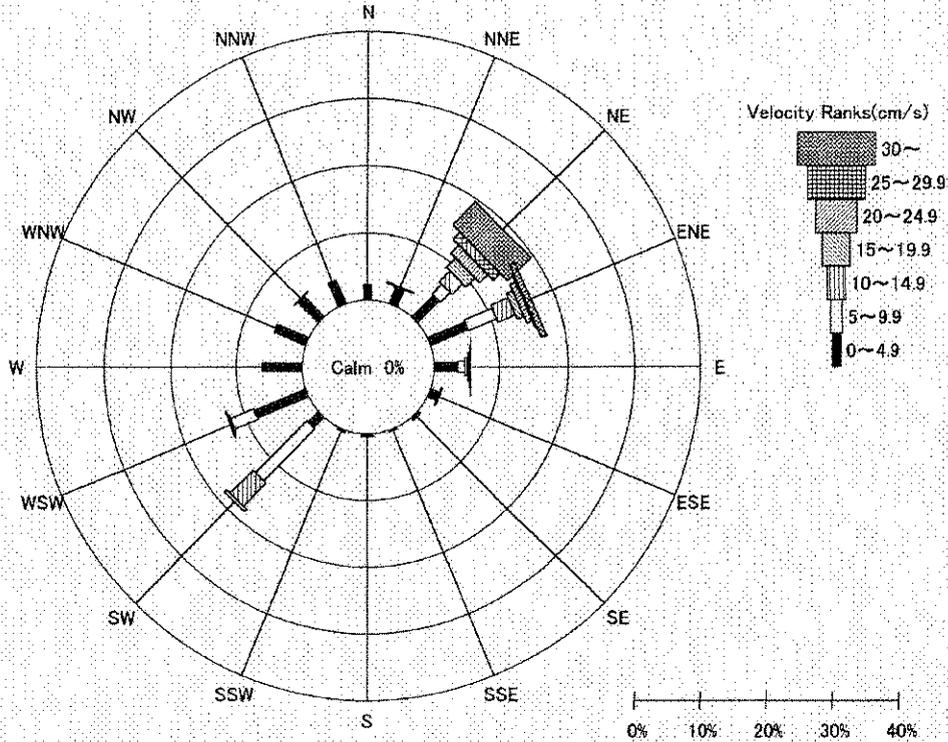
Velocity in each direction(Mean current) at KLAIPEDA St2

Duration 5 May 2003 11:00~ 31 May 2003 23:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	6.0	0.2	0.0	0.0	0.0	0.0	0.0	6.3
NE	8.6	1.0	0.1	0.0	0.0	0.0	0.0	9.7
ENE	11.7	5.0	0.7	0.4	0.0	0.0	0.0	17.8
E	6.5	5.5	1.6	0.8	0.0	0.0	0.0	14.4
ESE	1.5	0.1	0.0	0.0	0.0	0.0	0.0	1.6
SE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SSE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
S	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SSW	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.5
SW	0.7	0.2	0.1	0.0	0.1	0.0	0.0	1.1
WSW	8.2	4.1	0.3	0.0	0.0	0.0	0.0	12.6
W	5.7	0.0	0.0	0.0	0.0	0.0	0.0	5.7
WNW	5.8	0.0	0.0	0.0	0.0	0.0	0.0	5.8
NW	7.1	0.1	0.0	0.0	0.0	0.0	0.0	7.2
NNW	9.0	0.3	0.0	0.0	0.0	0.0	0.0	9.3
N	6.0	0.2	0.0	0.0	0.0	0.0	0.0	6.2
Total	79.2	16.8	2.7	1.2	0.1	0.0	0.0	100.0

Calm 0.0 %
 Obtained 1273 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St2

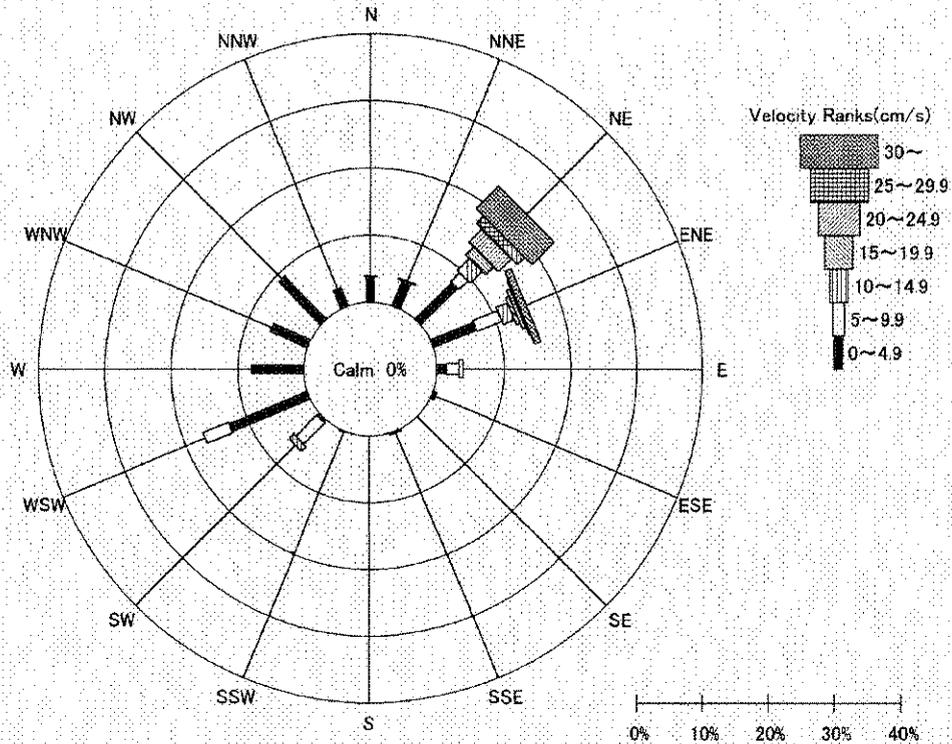
Velocity in each direction(Mean current) at KLAIPEDA St2

Duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	2.6	0.1	0.0	0.1	0.0	0.0	0.0	2.9
NE	4.5	2.2	2.4	1.9	1.7	1.5	4.8	19.0
ENE	6.2	4.6	2.8	1.0	0.9	0.3	0.8	16.6
E	3.5	1.1	0.5	0.3	0.1	0.1	0.0	5.6
ESE	1.4	0.1	0.1	0.0	0.0	0.0	0.0	1.6
SE	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.5
SSE	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
S	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.4
SSW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
SW	2.2	11.0	4.9	0.4	0.0	0.0	0.0	18.5
WSW	8.4	3.8	0.3	0.1	0.0	0.0	0.0	12.5
W	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
WNW	5.2	0.0	0.0	0.0	0.0	0.0	0.0	5.2
NW	4.4	0.0	0.1	0.0	0.0	0.0	0.0	4.5
NNW	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
N	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
Total	51.9	23.0	11.0	3.8	2.8	1.9	5.6	100.0

Calm 0.0 %
Obtained 1440 Times (%)

Observation duration 1 Jul 2003 0:00~ 15 Jul 2003 15:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St2

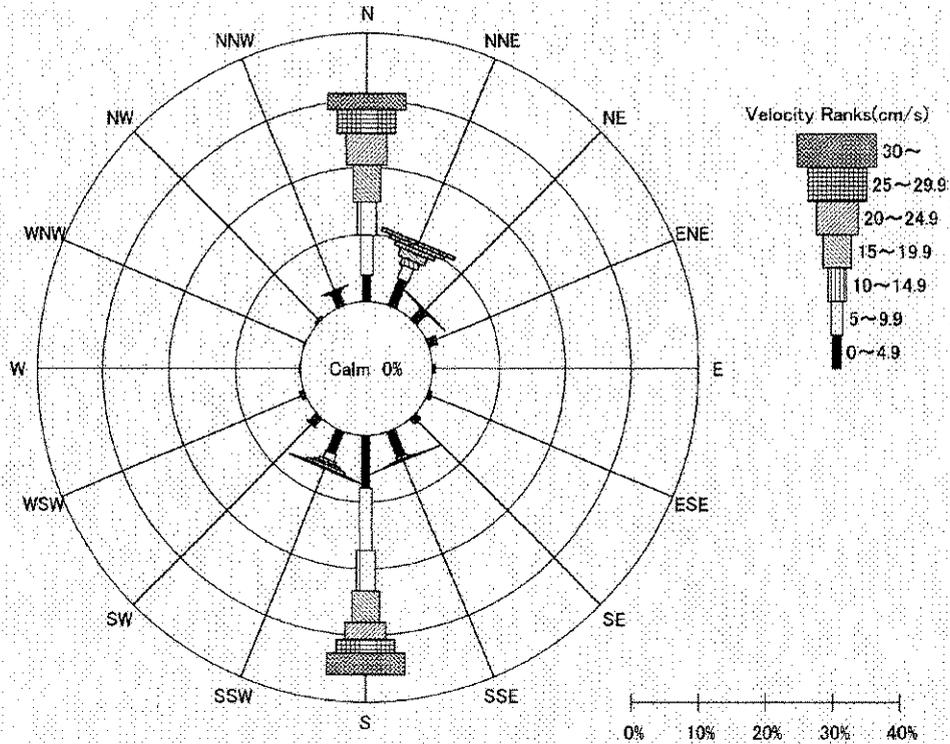
Velocity in each direction(Mean current) at KLAIPEDA St2

Duration 1 Jul 2003 0:00~ 15 Jul 2003 15:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	4.0	0.1	0.1	0.0	0.0	0.0	0.0	4.3
NE	7.7	1.8	2.6	1.7	2.7	1.6	4.7	22.7
ENE	6.8	4.0	1.8	0.6	0.6	0.3	1.0	15.1
E	1.4	1.8	0.6	0.0	0.0	0.0	0.0	3.8
ESE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
SW	0.4	4.5	1.0	0.0	0.0	0.0	0.0	6.0
WSW	12.8	4.1	0.0	0.0	0.0	0.0	0.0	16.9
W	8.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
WNW	6.3	0.0	0.0	0.0	0.0	0.0	0.0	6.3
NW	9.1	0.0	0.0	0.0	0.0	0.0	0.0	9.1
NNW	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
N	3.8	0.1	0.0	0.0	0.0	0.0	0.0	4.0
Total	64.1	16.8	6.1	2.3	3.3	1.8	5.7	100.0

Calm 0.0 %
Obtained 704 Times (%)

Observation duration 29 Apr 2003 16:00~ 15 Jul 2003 13:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St3

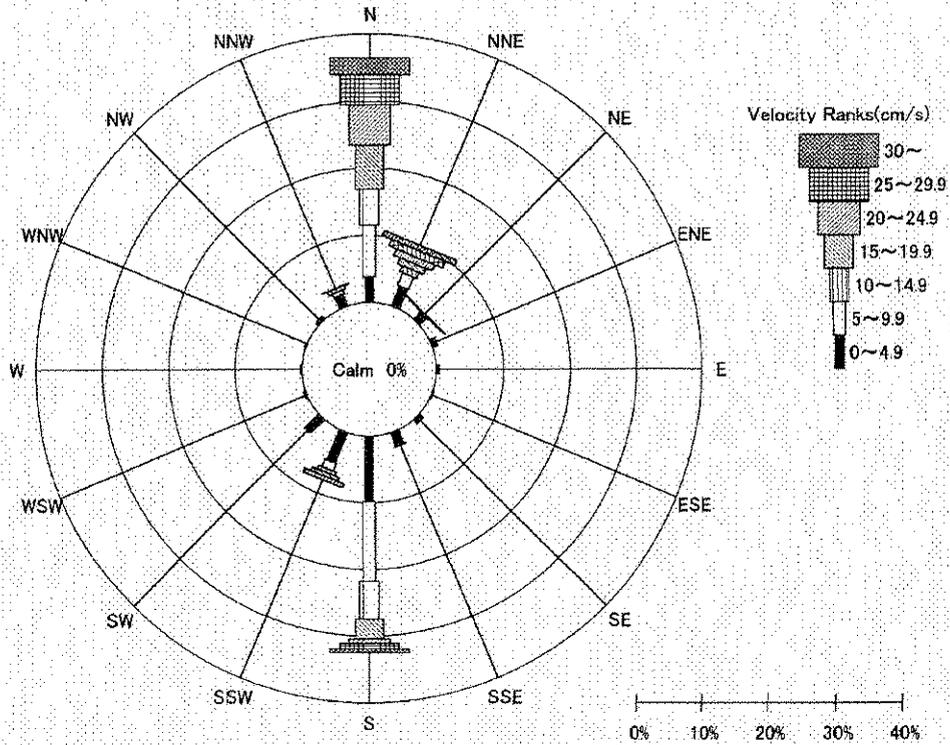
Velocity in each direction(Mean current) at KLAIPEDA St3

Duration 29 Apr 2003 16:00~ 15 Jul 2003 13:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	4.3	2.1	1.1	1.2	0.7	0.6	0.5	10.5
NE	1.9	0.3	0.1	0.0	0.1	0.0	0.0	2.4
ENE	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
E	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
ESE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SE	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
SSE	4.2	0.4	0.1	0.1	0.1	0.0	0.0	4.9
S	7.9	9.3	6.0	4.7	2.5	2.1	3.2	35.9
SSW	3.6	1.1	0.5	0.4	0.5	0.1	0.1	6.3
SW	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
WSW	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
W	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WNW	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
NW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
NNW	2.0	0.3	0.3	0.1	0.0	0.0	0.0	2.6
N	3.9	6.0	4.9	5.6	4.6	3.6	2.4	31.0
Total	34.3	19.6	12.9	12.1	8.4	6.4	6.2	100.0

Calm 0.0 %
Obtained 3691 Times (%)

Observation duration 29 Apr 2003 16:00~ 31 May 2003 23:00(LT)



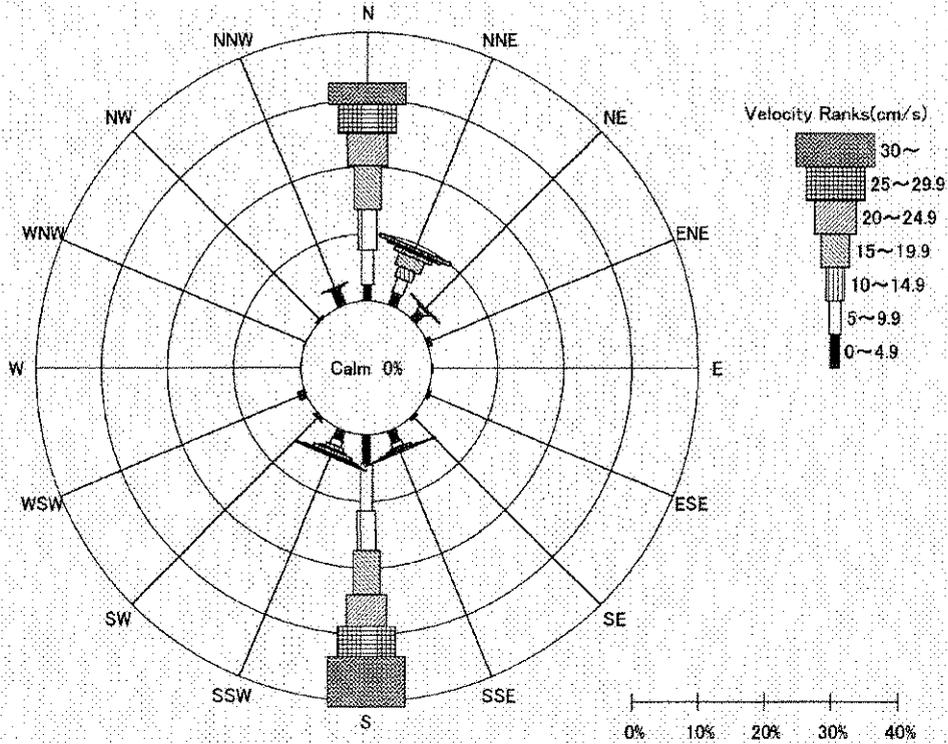
Velocity in each direction(Mean current) at KLAIPEDA St3

Velocity in each direction(Mean current) at KLAIPEDA St3
Duration 29 Apr 2003 16:00~ 31 May 2003 23:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	3.2	2.1	0.9	1.0	1.0	1.0	0.8	10.0
NE	1.4	0.2	0.0	0.0	0.1	0.1	0.0	1.7
ENE	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
E	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
ESE	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
SE	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
SSE	2.1	0.2	0.0	0.0	0.0	0.0	0.0	2.3
S	9.8	12.0	5.6	3.0	0.6	0.8	0.6	32.5
SSW	4.9	1.2	0.6	0.6	0.6	0.0	0.0	7.9
SW	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
WSW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
W	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2
WNW	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
NW	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
NNW	1.9	0.6	0.5	0.1	0.0	0.0	0.0	3.1
N	3.8	7.7	5.3	6.6	6.0	4.4	2.6	36.4
Total	33.2	23.9	13.0	11.3	8.4	6.3	3.9	100.0

Calm 0.0 %
Obtained 1552 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St3

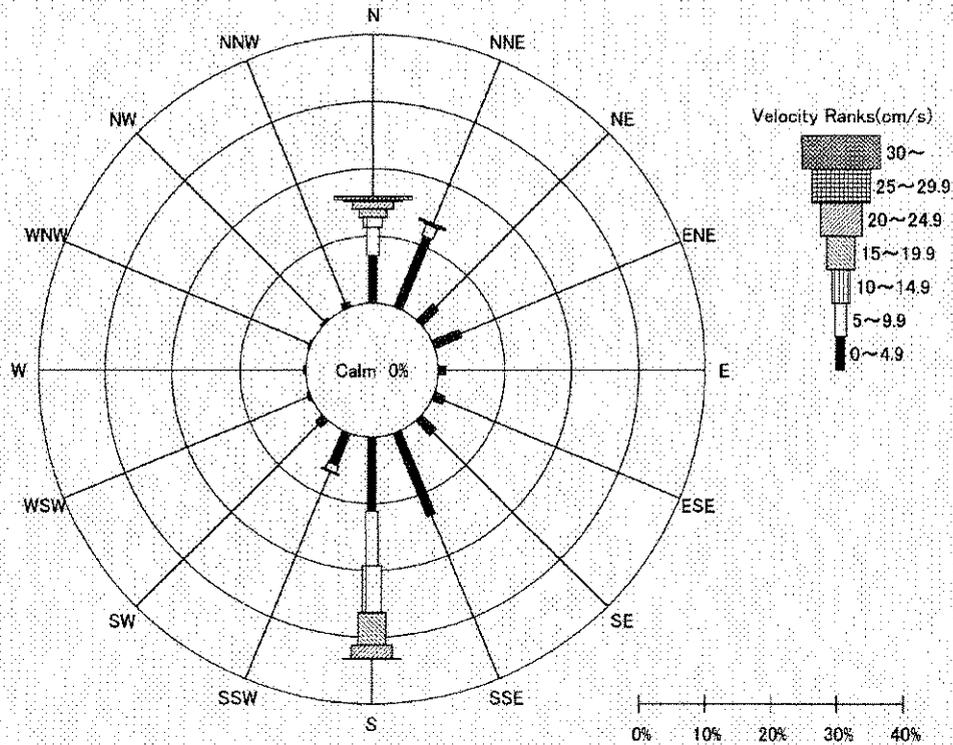
Velocity in each direction(Mean current) at KLAIPEDA St3

Duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	2.0	2.3	1.7	1.9	0.6	0.3	0.5	9.4
NE	1.7	0.6	0.2	0.0	0.1	0.0	0.0	2.6
ENE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
E	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
ESE	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
SE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SSE	1.9	0.8	0.2	0.3	0.2	0.1	0.1	3.6
S	4.3	7.1	6.0	6.5	4.8	4.5	7.6	40.8
SSW	1.5	1.0	0.6	0.3	0.5	0.3	0.2	4.4
SW	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.6
WSW	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
W	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
WNW	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
NW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NNW	2.6	0.1	0.1	0.1	0.0	0.0	0.0	3.0
N	2.4	5.1	6.1	6.5	4.8	4.3	3.2	32.4
Total	20.2	17.2	14.9	15.6	11.0	9.5	11.5	100.0

Calm 0.0 %
Obtained 1440 Times (%)

Observation duration 1 Jul 2003 0:00~ 15 Jul 2003 13:00(LT)



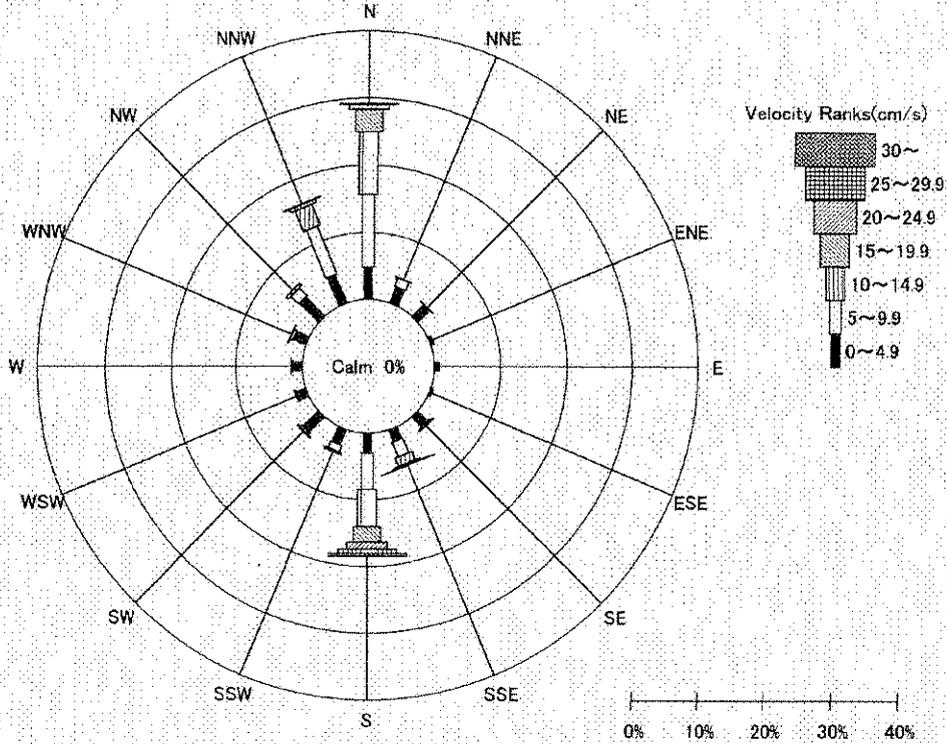
Velocity in each direction(Mean current) at KLAIPEDA St3

Velocity in each direction(Mean current) at KLAIPEDA St3
Duration 1 Jul 2003 0:00~ 15 Jul 2003 13:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	11.4	1.9	0.1	0.3	0.0	0.0	0.0	13.7
NE	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4
ENE	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3
E	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1
ESE	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
SE	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
SSE	13.4	0.0	0.0	0.0	0.0	0.0	0.0	13.4
S	11.2	8.2	7.0	4.9	2.0	0.1	0.0	33.3
SSW	5.2	1.1	0.1	0.0	0.0	0.0	0.0	6.4
SW	1.4	0.0	0.0	0.0	0.0	0.0	0.0	1.4
WSW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
W	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
WNW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
N	7.2	4.1	1.4	1.3	1.1	0.3	0.4	15.9
Total	65.5	15.3	8.7	6.4	3.1	0.4	0.4	100.0

Calm 0.0 %
Obtained 699 Times

Observation duration 28 Apr 2003 14:00~ 16 Jul 2003 8:00(LT)



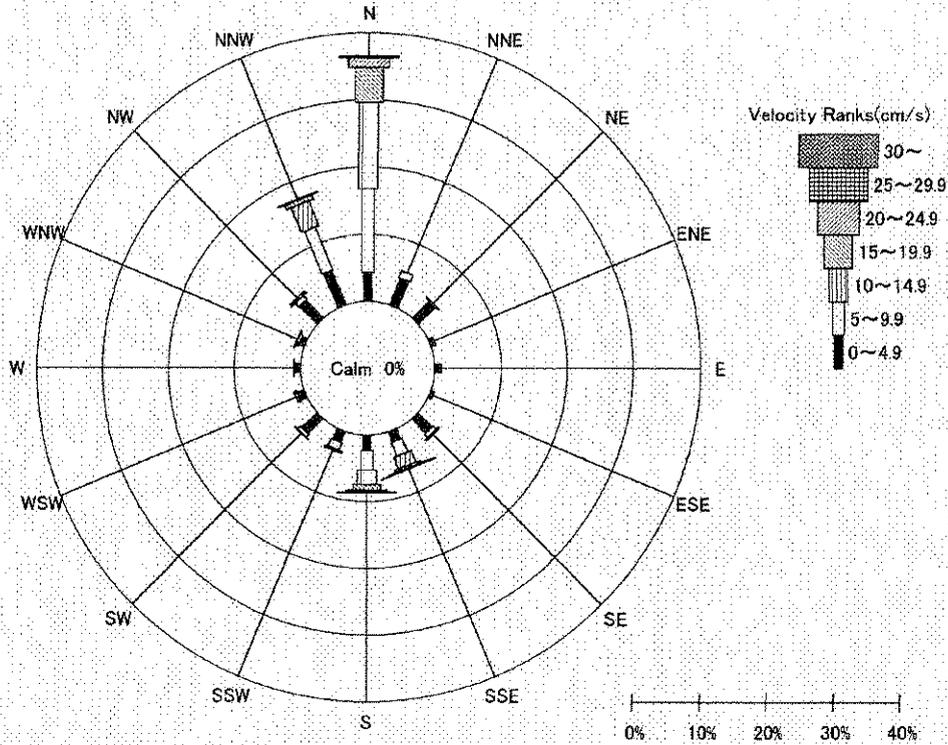
Velocity in each direction(Mean current) at KLAIPEDA St4

Velocity in each direction(Mean current) at KLAIPEDA St4
Duration 28 Apr 2003 14:00~ 16 Jul 2003 8:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	2.6	1.3	0.1	0.0	0.0	0.0	0.0	4.0
NE	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
ENE	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
E	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
ESE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
SE	2.0	0.3	0.1	0.0	0.0	0.0	0.0	2.5
SSE	1.9	2.4	1.4	0.2	0.1	0.0	0.0	6.0
S	3.0	5.4	5.6	2.4	1.0	0.6	0.4	18.4
SSW	2.4	1.1	0.3	0.0	0.0	0.0	0.0	3.8
SW	3.3	0.4	0.1	0.0	0.0	0.0	0.0	3.7
WSW	1.5	0.2	0.0	0.0	0.0	0.0	0.0	1.7
W	1.4	0.2	0.0	0.0	0.0	0.0	0.0	1.7
WNW	2.1	0.4	0.1	0.0	0.0	0.0	0.0	2.6
NW	4.1	1.6	0.4	0.0	0.0	0.0	0.0	6.1
NNW	4.6	7.8	3.4	0.5	0.1	0.0	0.0	16.3
N	4.9	10.8	9.4	3.3	0.7	0.2	0.0	29.2
Total	37.9	31.9	20.7	6.5	1.8	0.8	0.4	100.0

Calm 0.0 %
Obtained 3780 Times (%)

Observation duration 28 Apr 2003 14:00~ 31 May 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St4

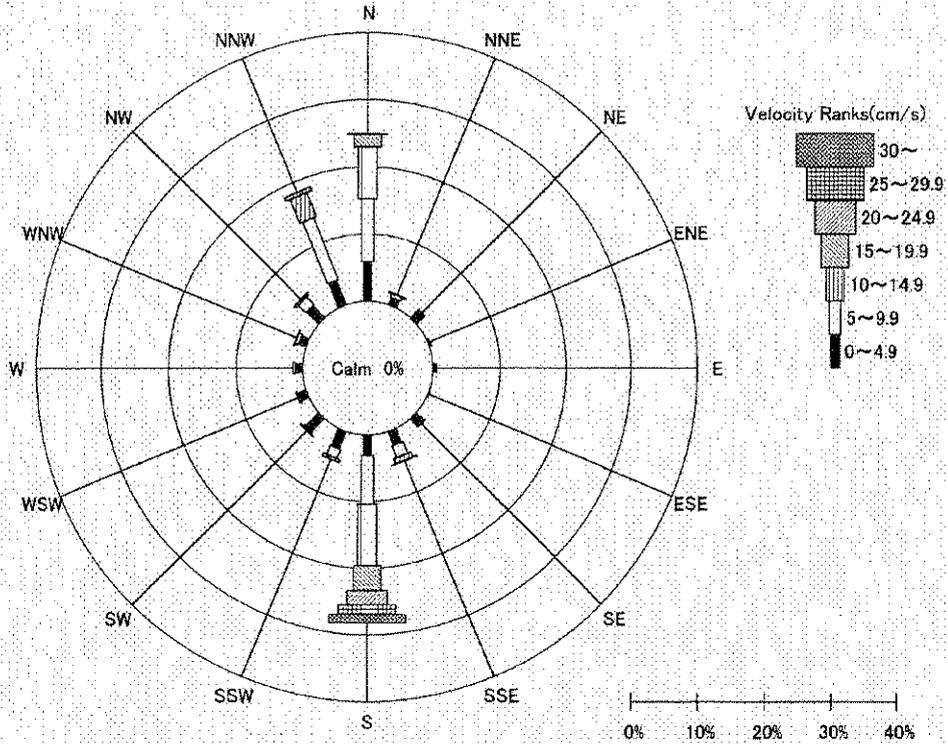
Velocity in each direction(Mean current) at KLAIPEDA St4

Duration 28 Apr 2003 14:00~ 31 May 2003 23:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	4.4	1.1	0.0	0.0	0.0	0.0	0.0	5.4
NE	3.6	0.1	0.1	0.0	0.0	0.0	0.0	3.7
ENE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
E	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
ESE	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
SE	3.1	0.7	0.2	0.0	0.0	0.0	0.0	4.0
SSE	1.6	2.2	1.9	0.4	0.1	0.1	0.0	6.3
S	2.4	2.9	2.2	0.8	0.3	0.1	0.0	8.7
SSW	1.7	1.2	0.3	0.0	0.0	0.0	0.0	3.2
SW	3.1	0.6	0.1	0.0	0.0	0.0	0.0	3.8
WSW	1.1	0.3	0.0	0.0	0.0	0.0	0.0	1.4
W	0.7	0.2	0.1	0.0	0.0	0.0	0.0	1.0
WNW	0.8	0.4	0.1	0.0	0.0	0.0	0.0	1.3
NW	3.7	0.7	0.4	0.0	0.0	0.0	0.0	4.9
NNW	5.6	6.9	4.0	0.7	0.1	0.0	0.0	17.3
N	4.4	12.4	12.9	5.2	1.4	0.4	0.0	36.6
Total	38.6	29.7	22.1	7.0	2.0	0.6	0.0	100.0

Calm 0.0 %
Obtained 1603 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St4

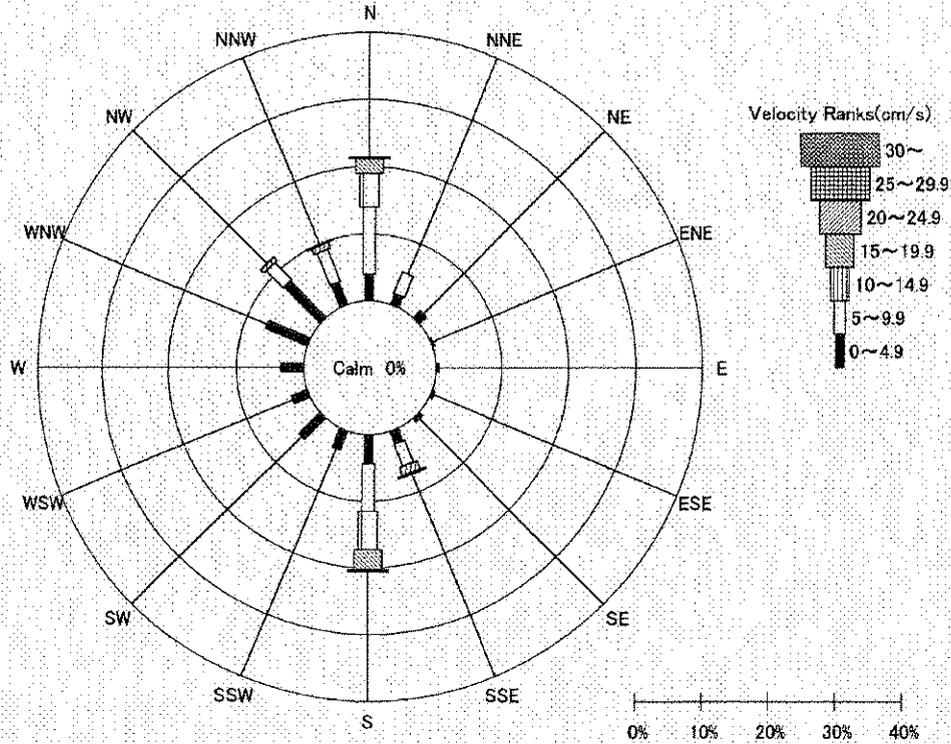
Velocity in each direction(Mean current) at KLAIPEDA St4

Duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	1.2	0.6	0.1	0.0	0.0	0.0	0.0	1.9
NE	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
ENE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
E	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
ESE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
SE	1.6	0.1	0.0	0.0	0.0	0.0	0.0	1.7
SSE	2.2	1.9	0.8	0.1	0.0	0.0	0.0	5.0
S	3.1	7.3	9.2	3.8	2.2	1.5	1.2	28.1
SSW	2.8	1.5	0.4	0.0	0.0	0.0	0.0	4.7
SW	2.8	0.3	0.1	0.0	0.0	0.0	0.0	3.2
WSW	1.3	0.2	0.0	0.0	0.0	0.0	0.0	1.5
W	1.0	0.4	0.0	0.0	0.0	0.0	0.0	1.5
WNW	1.2	0.6	0.1	0.0	0.0	0.0	0.0	1.8
NW	2.6	1.6	0.4	0.0	0.0	0.0	0.0	4.6
NNW	4.0	10.0	3.9	0.6	0.0	0.0	0.0	18.4
N	5.9	9.4	7.7	1.9	0.1	0.0	0.0	24.9
Total	32.4	33.8	22.8	6.3	2.2	1.5	1.2	100.0

Calm 0.0 %
Obtained 1440 Times (%)

Observation duration: 1 Jul 2003 0:00~ 16 Jul 2003 8:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St4

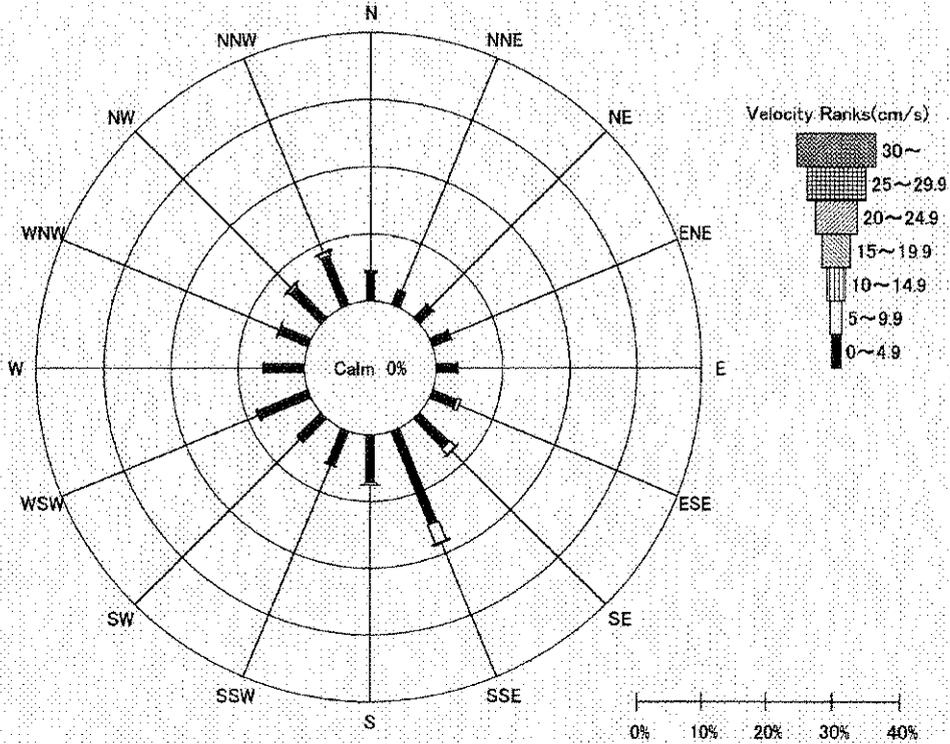
Velocity in each direction(Mean current) at KLAIPEDA St4

Duration 1 Jul 2003 0:00~ 16 Jul 2003 8:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	1.8	3.4	0.0	0.0	0.0	0.0	0.0	5.2
NE	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
ENE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
E	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
ESE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SE	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
SSE	2.0	3.5	1.4	0.3	0.0	0.0	0.0	7.2
S	4.3	7.2	5.7	3.0	0.4	0.0	0.0	20.6
SSW	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1
SW	4.5	0.0	0.0	0.0	0.0	0.0	0.0	4.5
WSW	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
W	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
WNW	6.8	0.0	0.0	0.0	0.0	0.0	0.0	6.8
NW	7.7	3.5	0.7	0.0	0.0	0.0	0.0	11.9
NNW	3.7	5.2	0.9	0.1	0.0	0.0	0.0	9.9
N	3.9	10.0	5.0	2.2	0.3	0.0	0.0	21.4
Total	47.2	32.8	13.7	5.6	0.7	0.0	0.0	100.0

Calm 0.0 %
Obtained 737 Times (%)

Observation duration 28 Apl 2003 11:00~ 16 Jul 2003 12:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St5

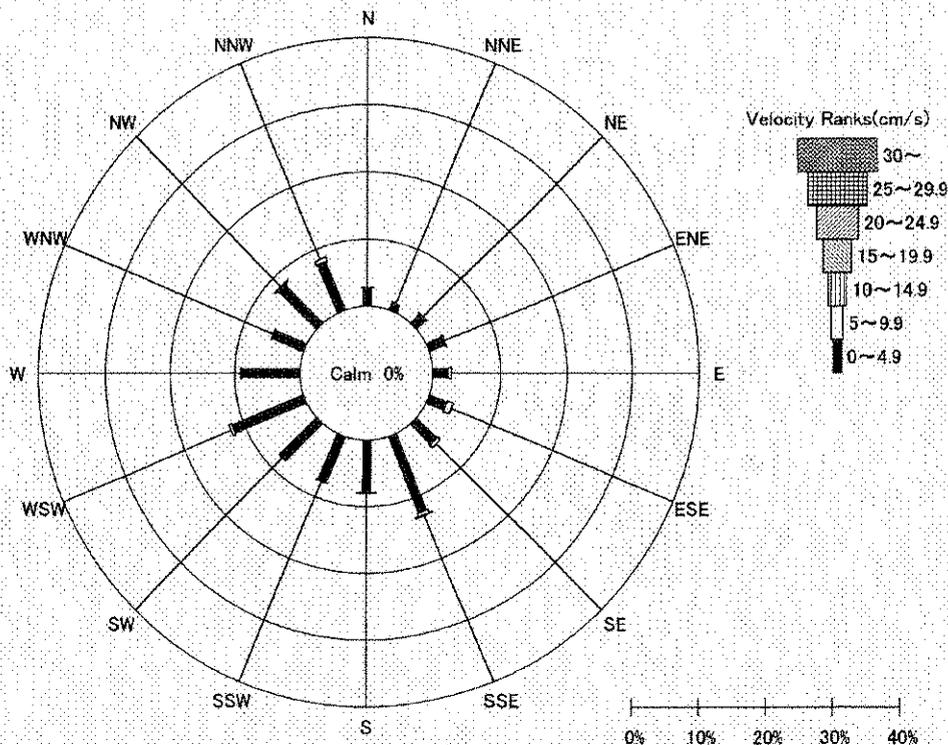
Velocity in each direction(Mean current) at KLAIPEDA St5

Duration 28 Apl 2003 11:00~ 16 Jul 2003 12:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.4
NE	2.7	0.1	0.0	0.0	0.0	0.0	0.0	2.8
ENE	2.9	0.1	0.0	0.0	0.0	0.0	0.0	3.0
E	3.1	0.2	0.0	0.0	0.0	0.0	0.0	3.3
ESE	3.9	0.7	0.0	0.0	0.0	0.0	0.0	4.6
SE	6.2	1.2	0.1	0.0	0.0	0.0	0.0	7.5
SSE	15.1	3.1	0.2	0.0	0.0	0.0	0.0	18.3
S	7.2	0.3	0.0	0.0	0.0	0.0	0.0	7.5
SSW	5.6	0.1	0.0	0.0	0.0	0.0	0.0	5.7
SW	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
WSW	8.1	0.3	0.0	0.0	0.0	0.0	0.0	8.4
W	6.1	0.1	0.0	0.0	0.0	0.0	0.0	6.2
WNW	4.7	0.2	0.0	0.0	0.0	0.0	0.0	5.0
NW	6.4	0.5	0.1	0.0	0.0	0.0	0.0	7.0
NNW	8.0	0.6	0.1	0.0	0.0	0.0	0.0	8.7
N	4.2	0.2	0.0	0.0	0.0	0.0	0.0	4.5
Total	91.7	7.7	0.6	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 3795 Times (%)

Observation duration 28 Apr 2003 11:00~ 31 May 2003 23:00(LT)



Velocity in each direction(Mean current) at KLAIPEDA St5

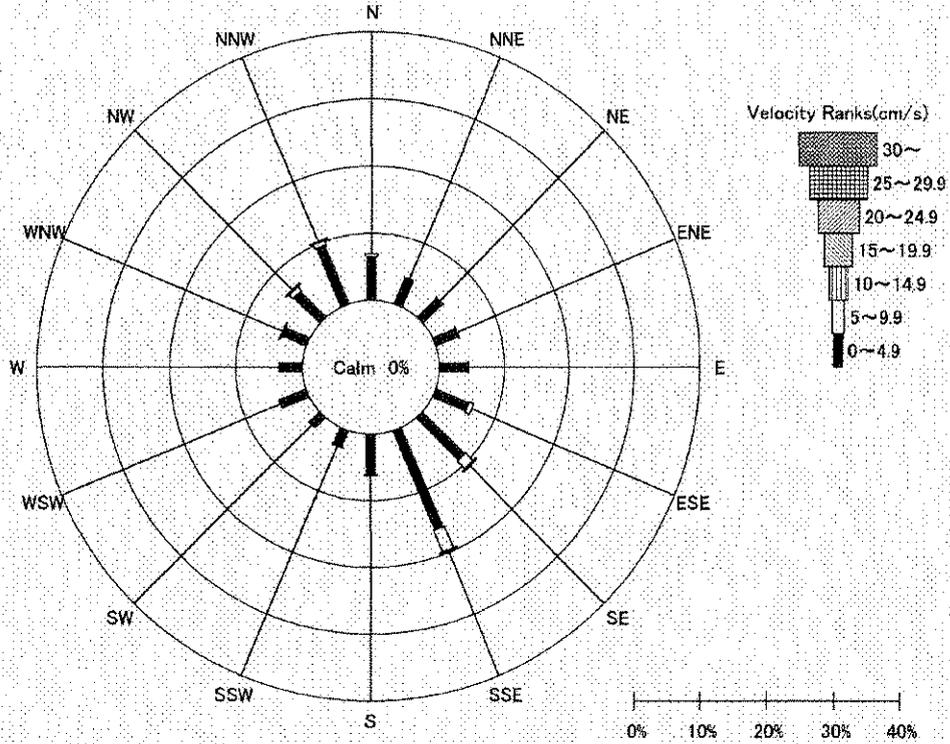
Velocity in each direction(Mean current) at KLAIPEDA St5

Duration 28 Apr 2003 11:00~ 31 May 2003 23:00(LT)

	.0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
NE	1.9	0.1	0.0	0.0	0.0	0.0	0.0	1.9
ENE	2.5	0.2	0.0	0.0	0.0	0.0	0.0	2.7
E	2.4	0.5	0.0	0.0	0.0	0.0	0.0	2.9
ESE	2.9	0.9	0.0	0.0	0.0	0.0	0.0	3.9
SE	4.3	0.6	0.0	0.0	0.0	0.0	0.0	4.9
SSE	12.4	0.6	0.1	0.0	0.0	0.0	0.0	13.0
S	7.8	0.1	0.1	0.0	0.0	0.0	0.0	8.0
SSW	7.4	0.1	0.0	0.0	0.0	0.0	0.0	7.5
SW	7.8	0.0	0.0	0.0	0.0	0.0	0.0	7.8
WSW	11.7	0.4	0.0	0.0	0.0	0.0	0.0	12.2
W	8.9	0.2	0.0	0.0	0.0	0.0	0.0	9.1
WNW	5.2	0.1	0.0	0.0	0.0	0.0	0.0	5.3
NW	7.9	0.3	0.1	0.0	0.0	0.0	0.0	8.3
NNW	7.8	0.7	0.0	0.0	0.0	0.0	0.0	8.4
N	2.7	0.1	0.0	0.0	0.0	0.0	0.0	2.9
Total	94.8	5.0	0.2	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 1610 Times (%)

Observation duration: 1 Jun 2003 0:00 ~ 30 Jun 2003 23:00(LT)



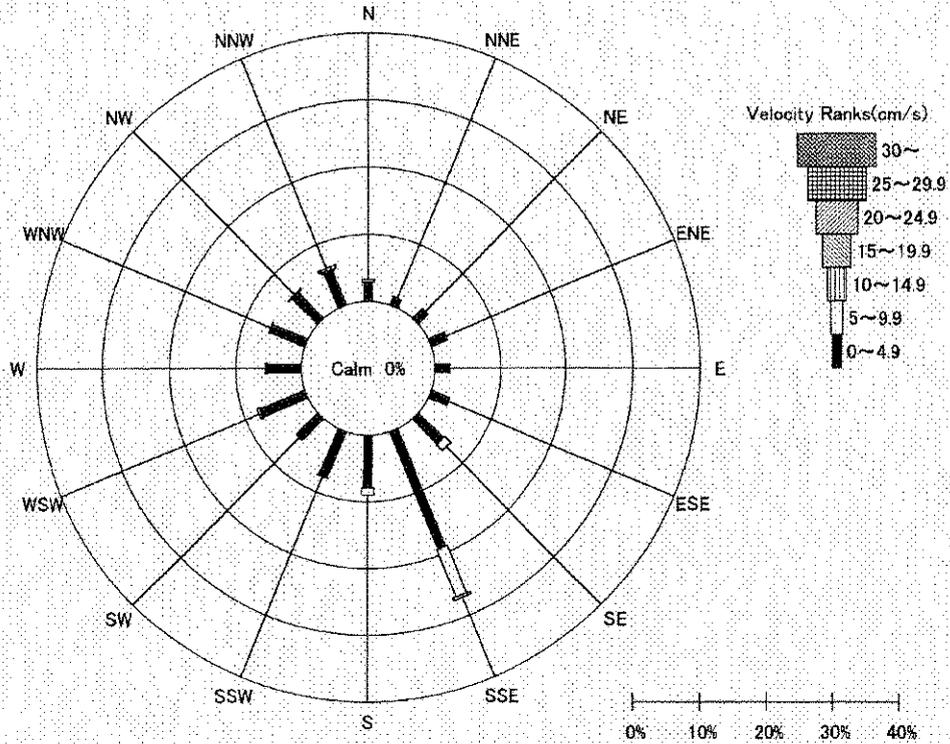
Velocity in each direction(Mean current) at KLAIPEDA St5

Velocity in each direction(Mean current) at KLAIPEDA St5
Duration 1 Jun 2003 0:00~ 30 Jun 2003 23:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	4.3	0.0	0.0	0.0	0.0	0.0	0.0	4.3
NE	4.0	0.1	0.0	0.0	0.0	0.0	0.0	4.1
ENE	3.5	0.1	0.0	0.0	0.0	0.0	0.0	3.6
E	4.4	0.1	0.0	0.0	0.0	0.0	0.0	4.5
ESE	5.4	0.8	0.0	0.0	0.0	0.0	0.0	6.2
SE	8.9	1.7	0.3	0.0	0.0	0.0	0.0	10.8
SSE	16.0	3.5	0.1	0.0	0.0	0.0	0.0	19.7
S	6.1	0.1	0.0	0.0	0.0	0.0	0.0	6.3
SSW	2.6	0.1	0.0	0.0	0.0	0.0	0.0	2.7
SW	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
WSW	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4
W	3.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5
WNW	3.8	0.3	0.1	0.0	0.0	0.0	0.0	4.1
NW	5.3	0.9	0.1	0.0	0.0	0.0	0.0	6.4
NNW	9.4	0.8	0.1	0.0	0.0	0.0	0.0	10.3
N	6.6	0.3	0.0	0.0	0.0	0.0	0.0	6.9
Total	90.5	8.8	0.8	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 1440 Times (%)

Observation duration 1 Jul 2003 0:00~ 16 Jul 2003 12:00(LT)



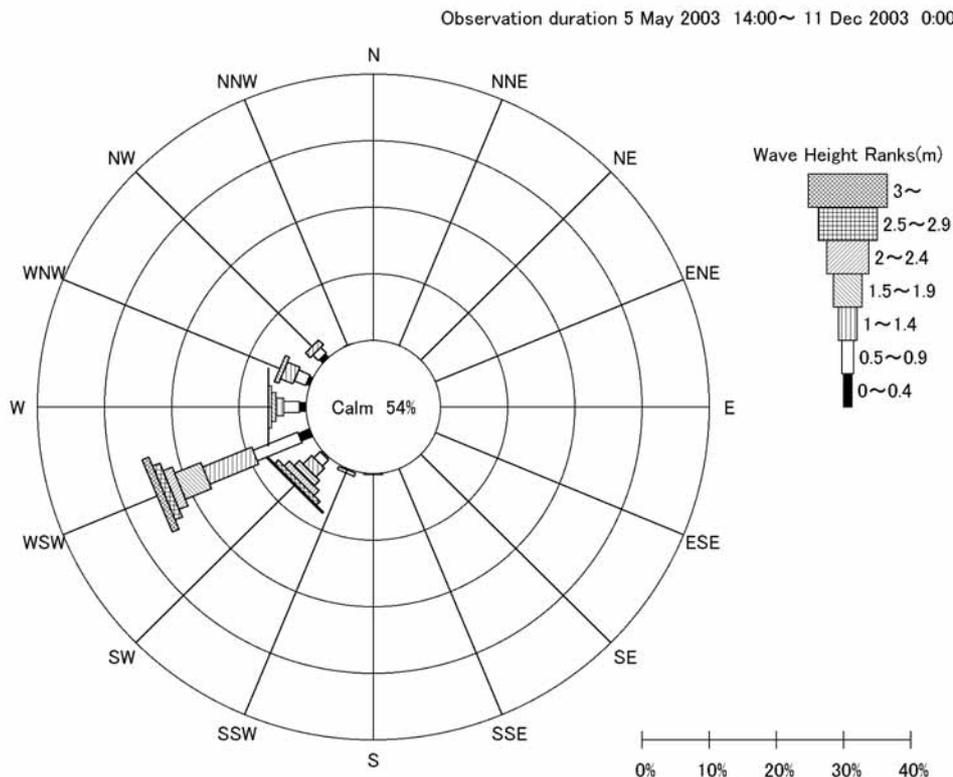
Velocity in each direction(Mean current) at KLAIPEDA St5

Velocity in each direction(Mean current) at KLAIPEDA St5

Duration 1 Jul 2003 0:00~ 16 Jul 2003 12:00(LT)

	0 - 4.9(cm/s)	5.0 - 9.9(cm/s)	10.0 - 14.9(cm/s)	15.0 - 19.9(cm/s)	20.0 - 24.9(cm/s)	25.0 - 29.9(cm/s)	30.0 - (cm/s)	Total
NNE	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
NE	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
ENE	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
E	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
ESE	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
SE	5.2	1.3	0.0	0.0	0.0	0.0	0.0	6.6
SSE	19.1	7.7	0.4	0.0	0.0	0.0	0.0	27.1
S	7.9	1.1	0.0	0.0	0.0	0.0	0.0	9.0
SSW	7.4	0.1	0.0	0.0	0.0	0.0	0.0	7.5
SW	4.6	0.0	0.0	0.0	0.0	0.0	0.0	4.6
WSW	7.4	0.4	0.0	0.0	0.0	0.0	0.0	7.8
W	5.2	0.3	0.0	0.0	0.0	0.0	0.0	5.5
WNW	5.8	0.1	0.0	0.0	0.0	0.0	0.0	5.9
NW	5.4	0.1	0.1	0.0	0.0	0.0	0.0	5.6
NNW	5.5	0.3	0.4	0.0	0.0	0.0	0.0	6.2
N	3.0	0.3	0.0	0.0	0.0	0.0	0.0	3.2
Total	87.4	11.7	0.9	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 745 Times (%)



Significant wave height in each mean wave direction

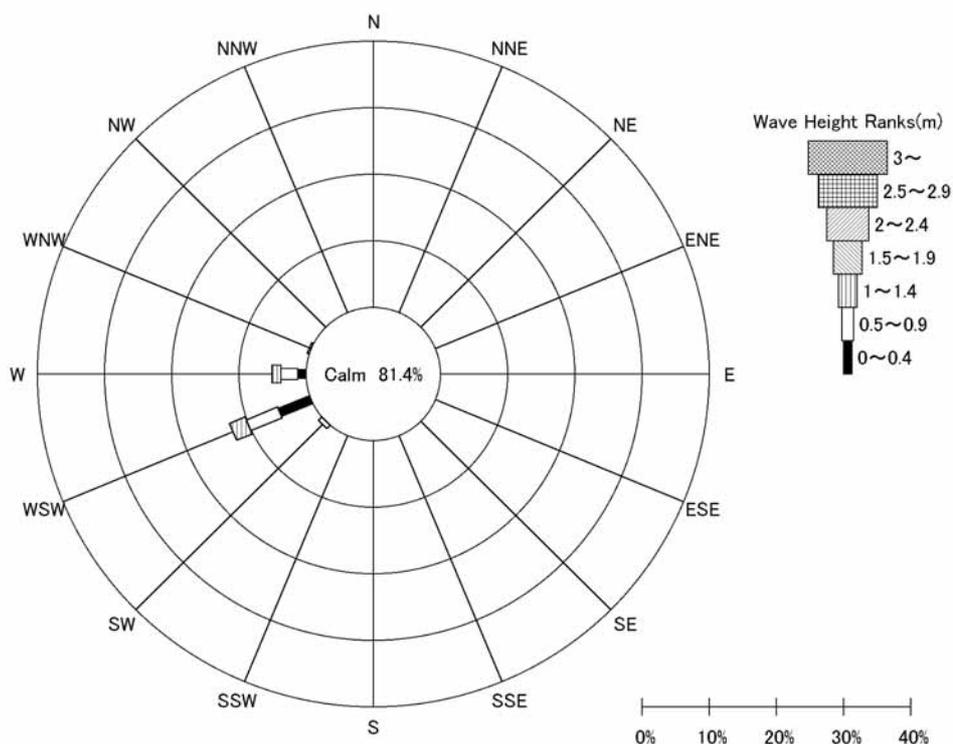
Significant wave height in each mean wave direction
Duration 5 May 2003 14:00 ~ 11 Dec 2003 0:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
SSW	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.7
SW	0.3	1.3	1.9	1.1	1.0	0.7	0.2	6.6
WSW	1.9	7.2	7.9	4.2	1.5	1.1	1.1	24.8
W	1.0	2.3	1.2	0.7	0.4	0.0	0.1	5.7
WNW	0.6	1.8	2.0	0.7	0.0	0.0	0.0	5.1
NW	0.7	1.2	1.0	0.0	0.0	0.0	0.0	2.9
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.6	14.0	14.5	6.7	2.9	1.9	1.4	46.0

Calm 54.0 %
Obtained 2050 Times

(%)

Observation duration 5 May 2003 14:00 ~ 31 May 2003 22:00(LT)



Significant wave height in each mean wave direction

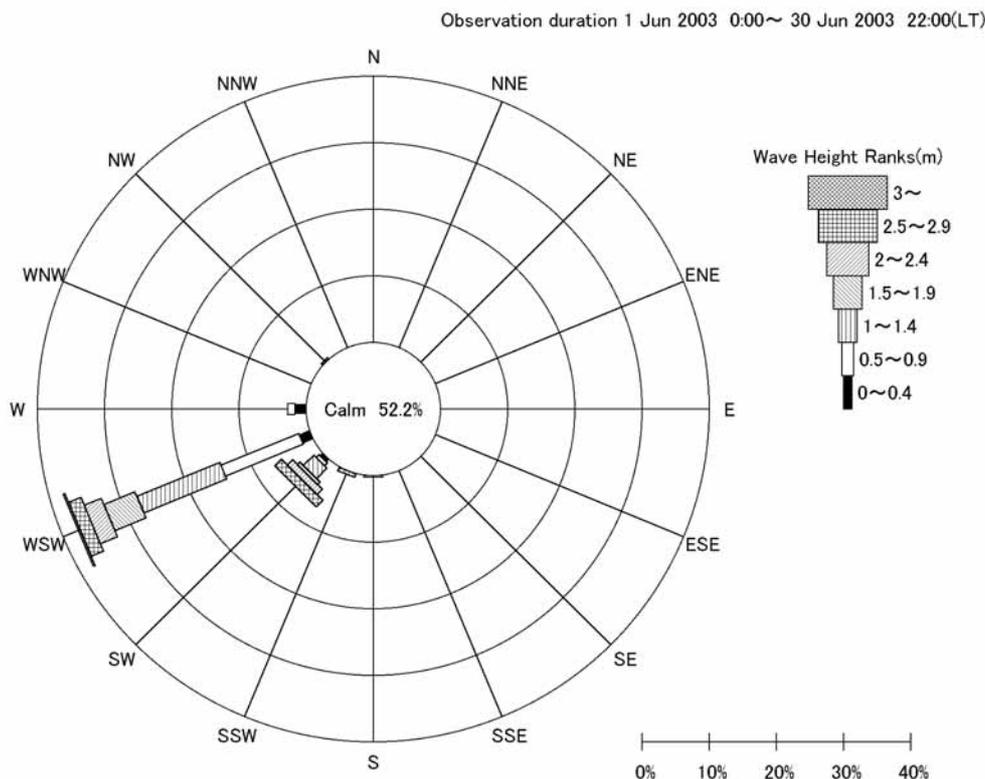
Significant wave height in each mean wave direction

Duration 5 May 2003 14:00 ~ 31 May 2003 22:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WSW	5.0	5.0	2.5	0.0	0.0	0.0	0.0	12.6
W	1.3	2.5	1.3	0.0	0.0	0.0	0.0	5.0
WNW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.3	8.5	3.8	0.0	0.0	0.0	0.0	18.6

Calm 81.4 %
Obtained 317 Times

(%)



Significant wave height in each mean wave direction

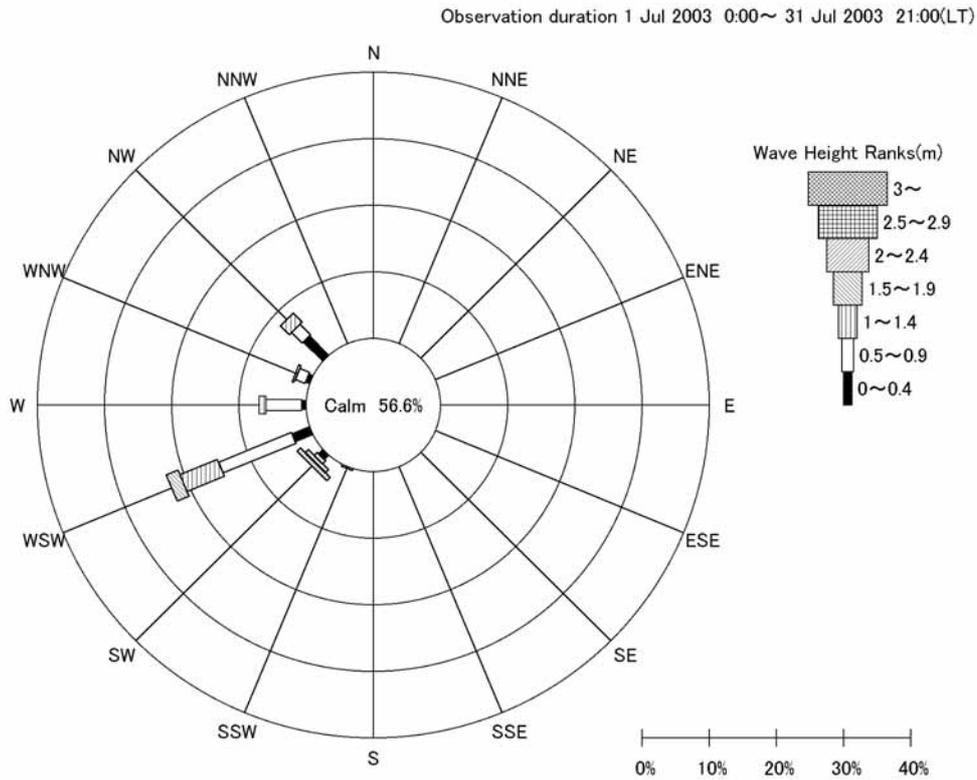
Significant wave height in each mean wave direction

Duration 1 Jun 2003 0:00 ~ 30 Jun 2003 22:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
SSW	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
SW	0.6	0.6	2.2	0.6	1.1	1.4	0.0	6.4
WSW	1.7	12.5	13.3	5.0	2.8	1.9	0.3	37.5
W	1.7	1.1	0.0	0.0	0.0	0.0	0.0	2.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.2	14.2	16.4	5.6	3.9	3.3	0.3	47.8

Calm 52.2 %
Obtained 360 Times

(%)



Significant wave height in each mean wave direction

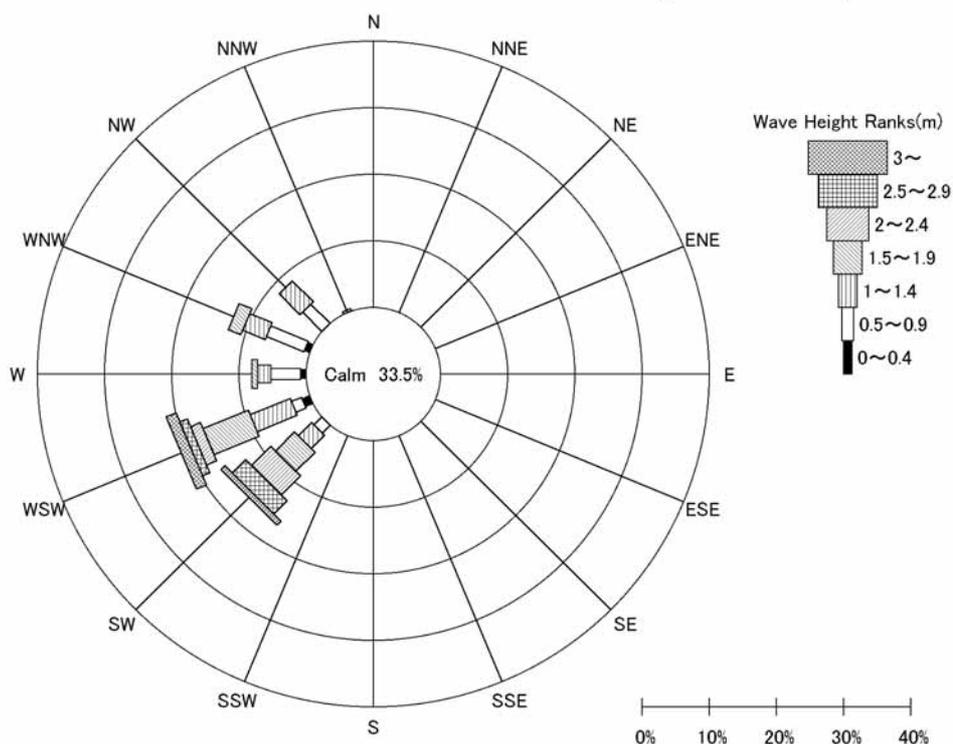
Significant wave height in each mean wave direction
Duration 1 Jul 2003 0:00~ 31 Jul 2003 21:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
SW	0.9	0.6	0.0	0.6	0.6	0.0	0.0	2.8
WSW	2.8	11.7	6.0	1.9	0.0	0.0	0.0	22.5
W	0.6	5.4	0.9	0.0	0.0	0.0	0.0	7.0
WNW	0.6	1.6	0.3	0.0	0.0	0.0	0.0	2.5
NW	4.1	2.2	1.9	0.0	0.0	0.0	0.0	8.2
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	9.2	21.8	9.2	2.5	0.6	0.0	0.0	43.4

Calm 56.6 %
Obtained 316 Times

(%)

Observation duration 1 Aug 2003 0:00~ 31 Aug 2003 21:00(LT)



Significant wave height in each mean wave direction

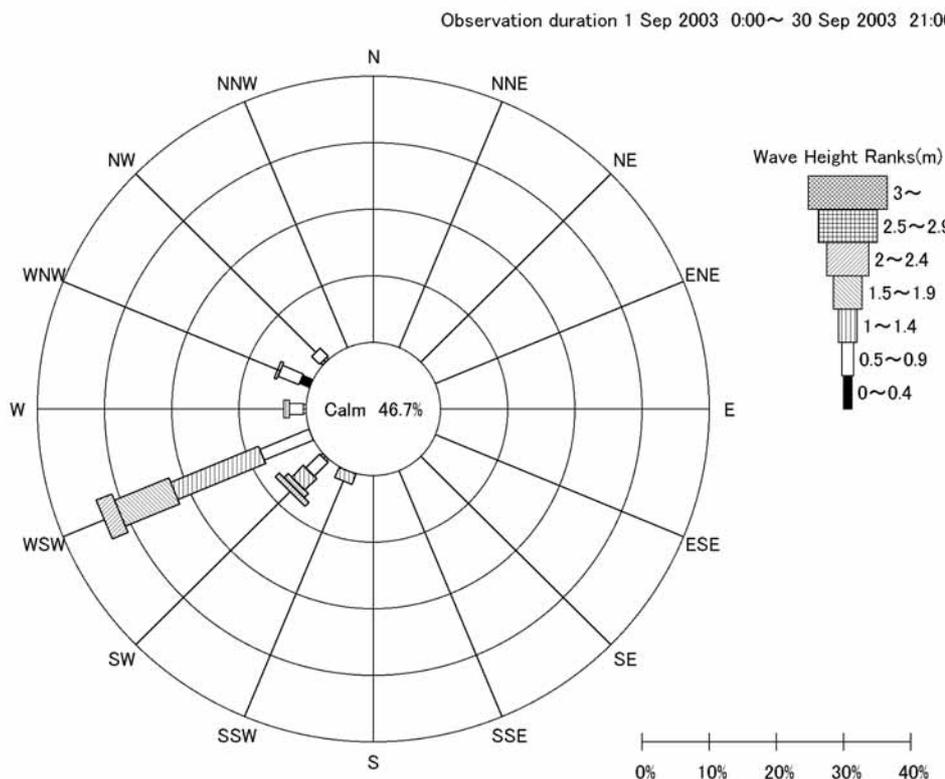
Significant wave height in each mean wave direction

Duration 1 Aug 2003 0:00 ~ 31 Aug 2003 21:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	1.6	2.8	4.0	4.0	2.8	0.8	16.1
WSW	1.2	1.6	6.5	7.3	1.6	1.2	1.6	21.0
W	0.8	4.4	2.0	0.8	0.0	0.0	0.0	8.1
WNW	0.8	6.0	3.6	2.0	0.0	0.0	0.0	12.5
NW	0.0	4.0	4.4	0.0	0.0	0.0	0.0	8.5
NNW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3.2	17.7	19.4	14.1	5.6	4.0	2.4	66.5

Calm 33.5 %
Obtained 248 Times

(%)



Significant wave height in each mean wave direction

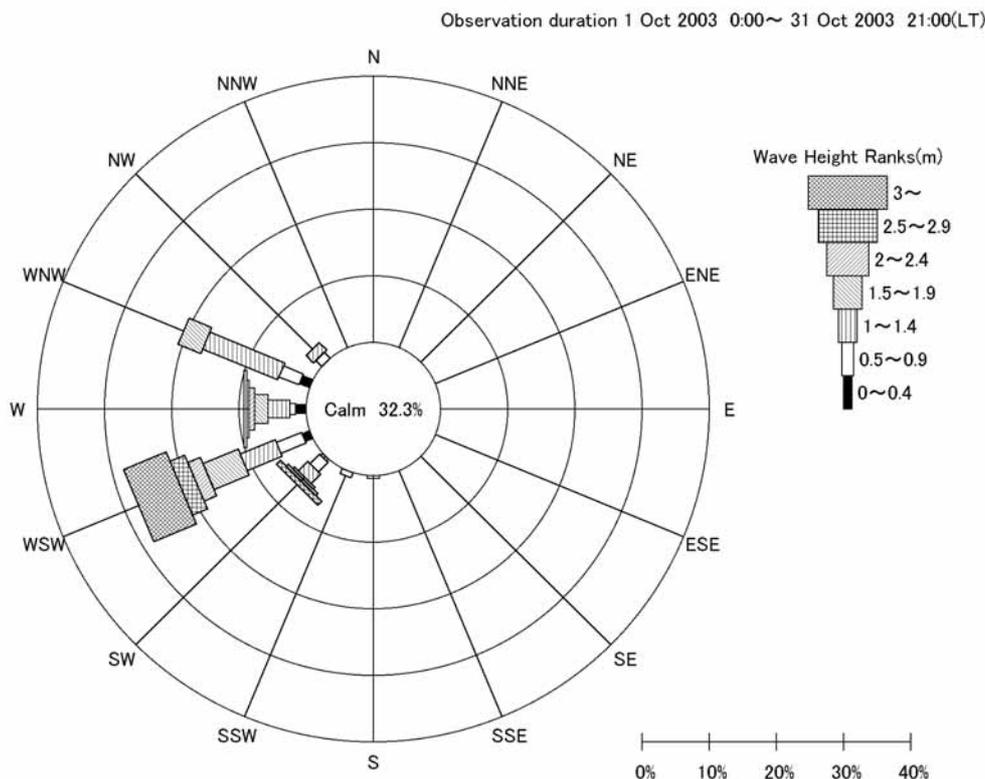
Significant wave height in each mean wave direction

Duration 1 Sep 2003 0:00 ~ 30 Sep 2003 21:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	1.7	0.0	0.0	0.0	0.0	1.7
SW	0.4	2.9	2.5	0.8	0.8	0.0	0.0	7.5
WSW	0.0	7.9	14.2	8.8	2.5	0.0	0.0	33.3
W	0.4	2.1	0.8	0.0	0.0	0.0	0.0	3.3
WNW	1.7	3.3	0.4	0.0	0.0	0.0	0.0	5.4
NW	0.4	1.7	0.0	0.0	0.0	0.0	0.0	2.1
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.9	17.9	19.6	9.6	3.3	0.0	0.0	53.3

Calm 46.7 %
Obtained 240 Times

(%)



Significant wave height in each mean wave direction

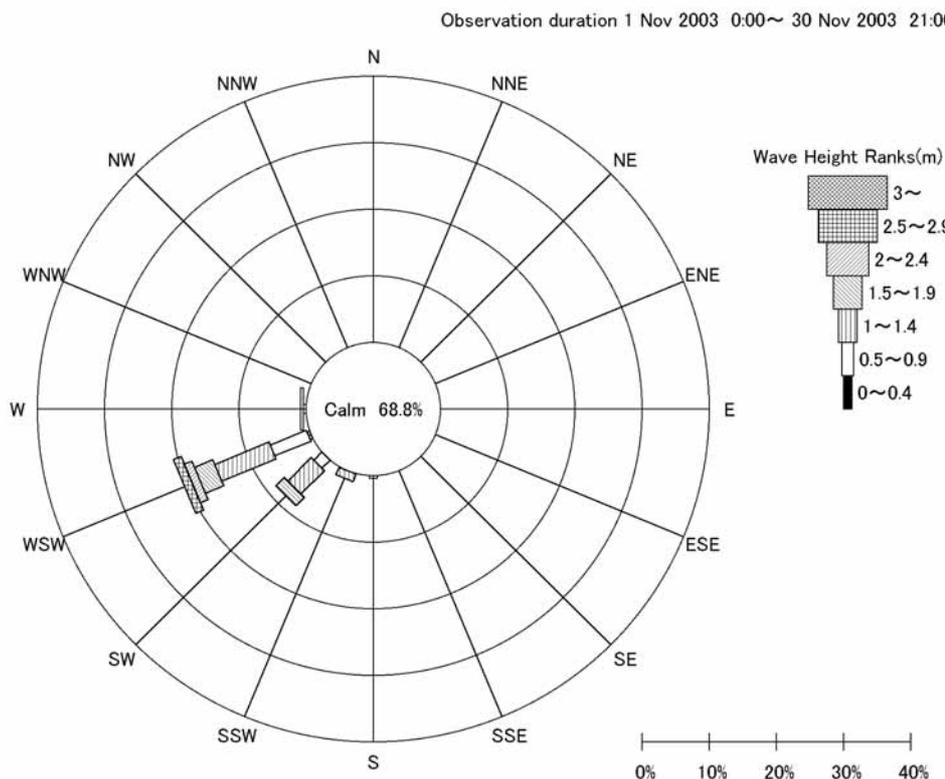
Significant wave height in each mean wave direction

Duration 1 Oct 2003 0:00 ~ 31 Oct 2003 21:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
SSW	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8
SW	0.4	2.0	2.0	0.4	0.4	0.8	0.0	6.0
WSW	1.2	4.0	5.6	5.6	2.0	2.4	6.9	27.8
W	1.6	0.8	3.2	2.0	0.8	0.4	0.4	9.3
WNW	1.6	3.2	12.1	3.6	0.0	0.0	0.0	20.6
NW	0.0	1.2	1.6	0.0	0.0	0.0	0.0	2.8
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.8	12.5	24.6	11.7	3.2	3.6	7.3	67.7

Calm 32.3 %
Obtained 248 Times

(%)



Significant wave height in each mean wave direction

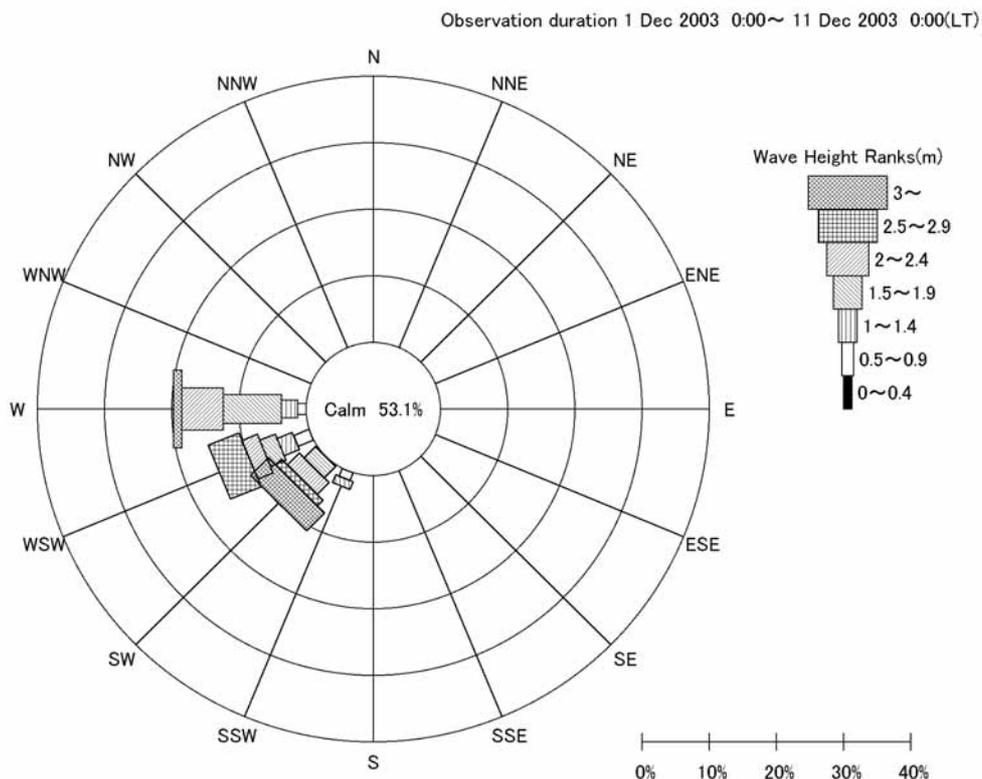
Significant wave height in each mean wave direction

Duration 1 Nov 2003 0:00 ~ 30 Nov 2003 21:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SSW	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3
SW	0.0	1.7	5.0	1.7	0.0	0.0	0.0	8.3
WSW	0.4	5.8	8.8	2.9	1.3	1.3	0.0	20.4
W	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.3	7.5	15.0	4.6	1.7	1.3	0.0	31.3

Calm 68.8 %
Obtained 240 Times

(%)



Significant wave height in each mean wave direction

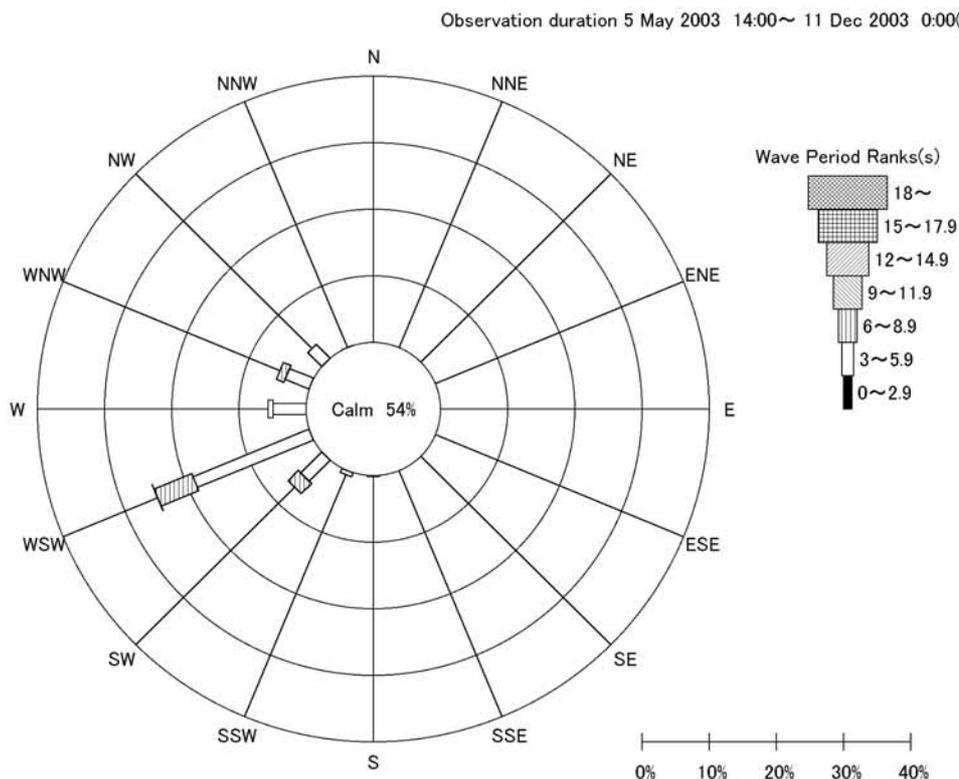
Significant wave height in each mean wave direction

Duration 1 Dec 2003 0:00 ~ 11 Dec 2003 0:00(LT)

	0.0~ 0.49(m)	0.50~ 0.99(m)	1.00~ 1.49(m)	1.50~ 1.99(m)	2.00~ 2.49(m)	2.50~ 2.99(m)	3.00(m)~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	1.2	1.2	0.0	0.0	0.0	0.0	2.5
SW	0.0	0.0	0.0	2.5	2.5	1.2	3.7	9.9
WSW	0.0	2.5	2.5	2.5	2.5	4.9	0.0	14.8
W	0.0	1.2	2.5	8.6	6.2	0.0	1.2	19.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	4.9	6.2	13.6	11.1	6.2	4.9	46.9

Calm 53.1 %
Obtained 81 Times

(%)



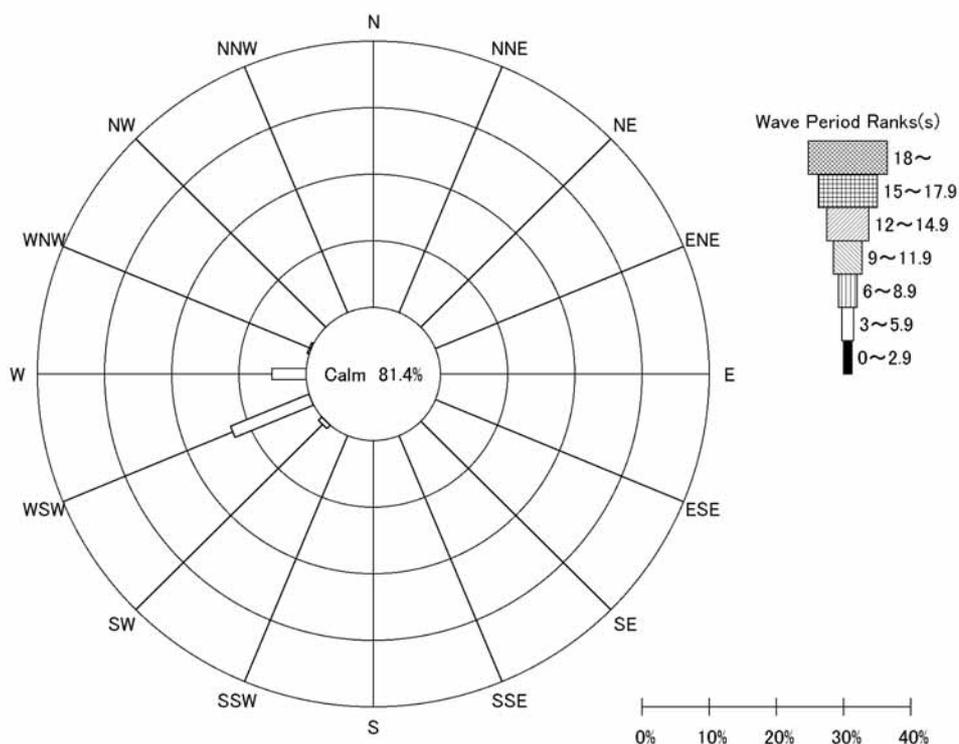
Significant wave period in each mean wave direction

Significant wave period in each mean wave direction
Duration 5 May 2003 14:00 ~ 11 Dec 2003 0:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
SSW	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7
SW	0.0	4.4	2.2	0.0	0.0	0.0	0.0	6.6
WSW	0.0	18.7	6.0	0.0	0.0	0.0	0.0	24.8
W	0.0	4.9	0.8	0.0	0.0	0.0	0.0	5.7
WNW	0.0	3.9	1.2	0.0	0.0	0.0	0.0	5.1
NW	0.0	2.9	0.0	0.0	0.0	0.0	0.0	2.9
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	35.7	10.2	0.0	0.0	0.0	0.0	46.0

Calm 54.0 %
Obtained 2050 Times (%)

Observation duration 5 May 2003 14:00 ~ 31 May 2003 22:00(LT)



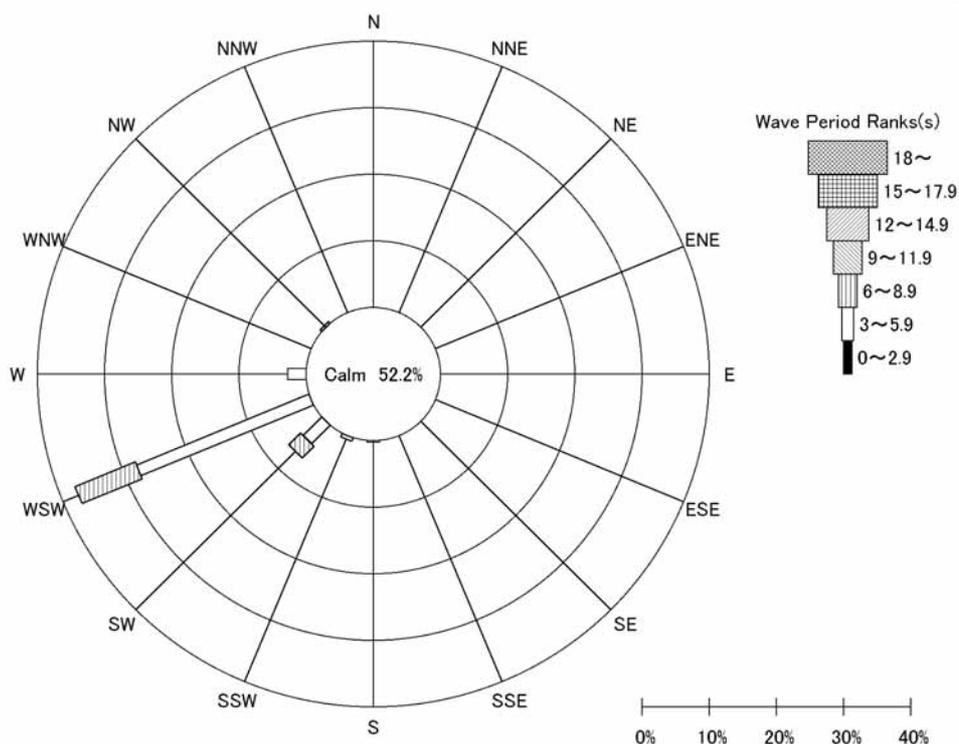
Significant wave period in each mean wave direction

Significant wave period in each mean wave direction
Duration 5 May 2003 14:00 ~ 31 May 2003 22:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
WSW	0.0	12.6	0.0	0.0	0.0	0.0	0.0	12.6
W	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.0
WNW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	18.6	0.0	0.0	0.0	0.0	0.0	18.6

Calm 81.4 %
Obtained 317 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)



Significant wave period in each mean wave direction

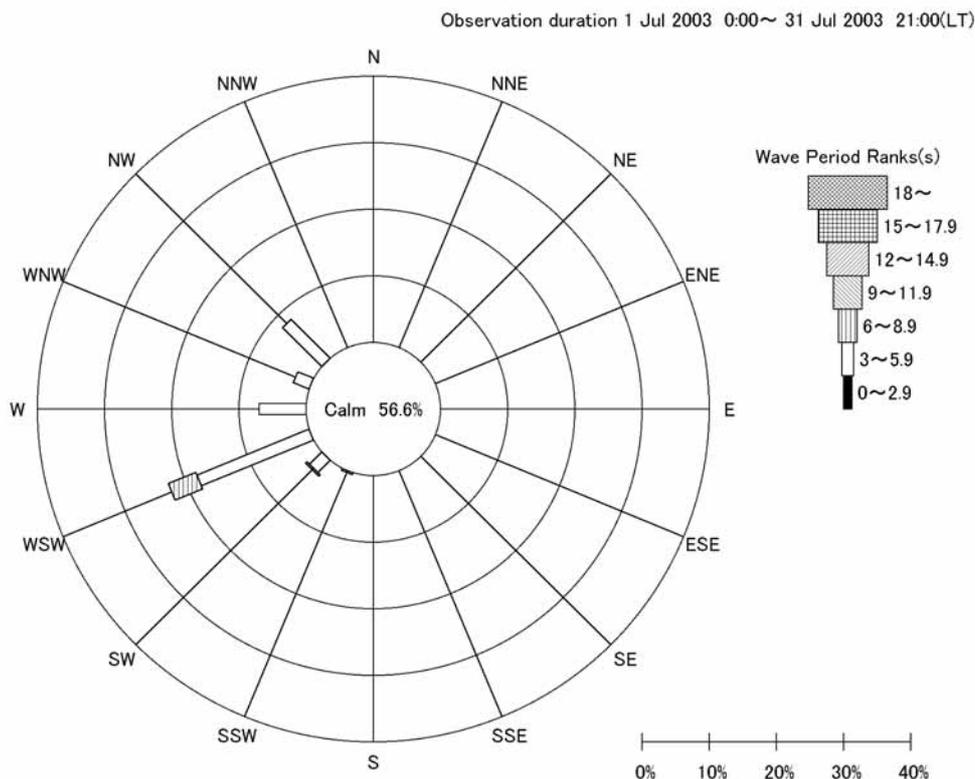
Significant wave period in each mean wave direction

Duration 1 Jun 2003 0:00 ~ 30 Jun 2003 22:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
SSW	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
SW	0.0	3.9	2.5	0.0	0.0	0.0	0.0	6.4
WSW	0.0	27.8	9.7	0.0	0.0	0.0	0.0	37.5
W	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	35.6	12.2	0.0	0.0	0.0	0.0	47.8

Calm 52.2 %
Obtained 360 Times

(%)



Significant wave period in each mean wave direction

Significant wave period in each mean wave direction

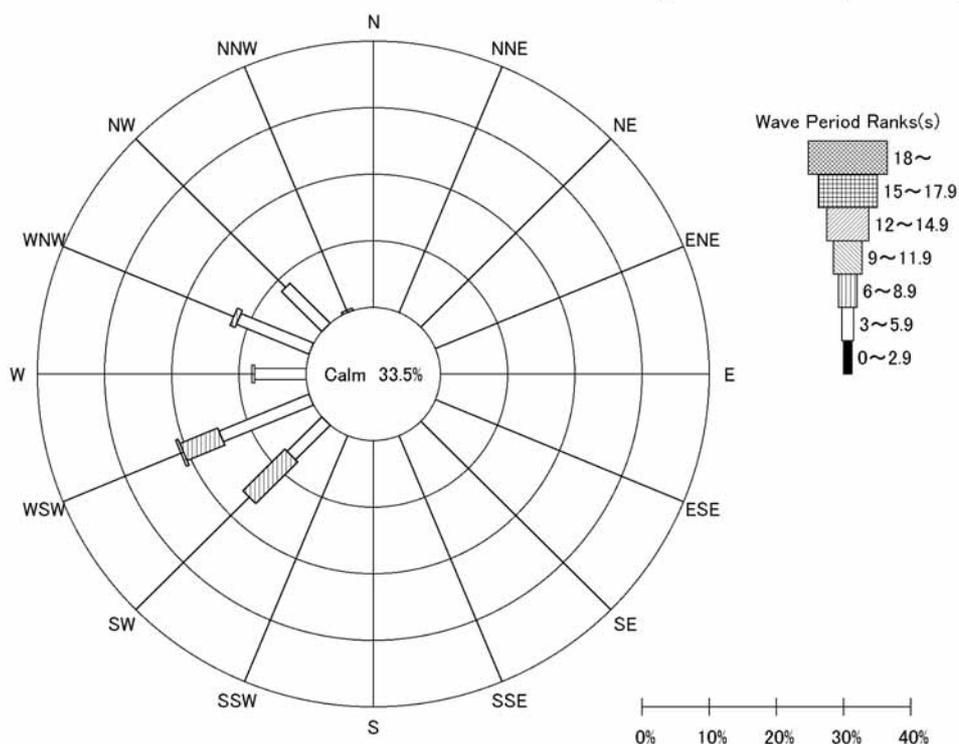
Duration 1 Jul 2003 0:00 ~ 31 Jul 2003 21:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3
SW	0.0	2.5	0.3	0.0	0.0	0.0	0.0	2.8
WSW	0.0	18.0	4.4	0.0	0.0	0.0	0.0	22.5
W	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0
WNW	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5
NW	0.0	8.2	0.0	0.0	0.0	0.0	0.0	8.2
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	38.6	4.7	0.0	0.0	0.0	0.0	43.4

Calm 56.6 %
Obtained 316 Times

(%)

Observation duration 1 Aug 2003 0:00~ 31 Aug 2003 21:00(LT)



Significant wave period in each mean wave direction

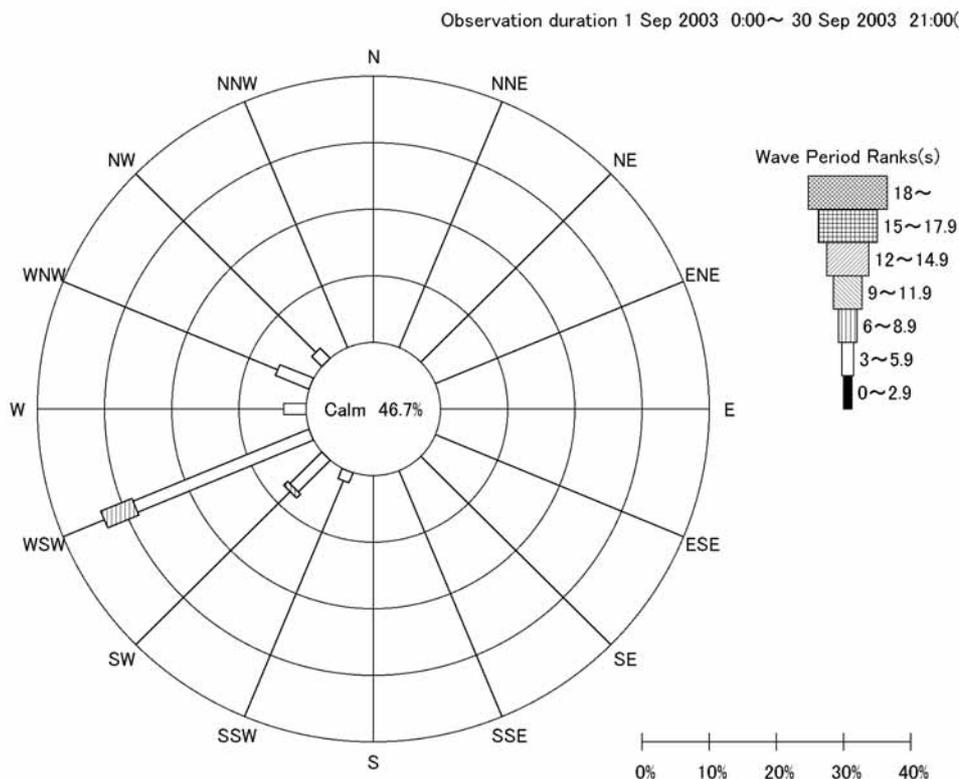
Significant wave period in each mean wave direction

Duration 1 Aug 2003 0:00 ~ 31 Aug 2003 21:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	7.3	8.9	0.0	0.0	0.0	0.0	16.1
WSW	0.0	14.5	6.0	0.4	0.0	0.0	0.0	21.0
W	0.0	7.7	0.4	0.0	0.0	0.0	0.0	8.1
WNW	0.0	11.7	0.8	0.0	0.0	0.0	0.0	12.5
NW	0.0	8.5	0.0	0.0	0.0	0.0	0.0	8.5
NNW	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	50.0	16.1	0.4	0.0	0.0	0.0	66.5

Calm 33.5 %
Obtained 248 Times

(%)



Significant wave period in each mean wave direction

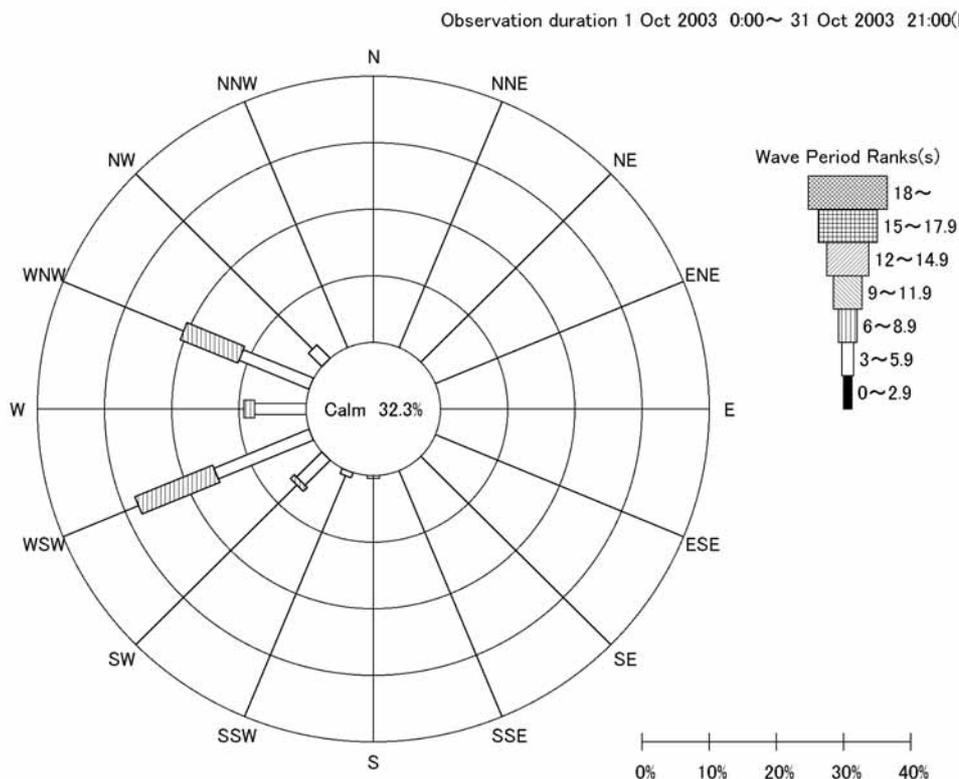
Significant wave period in each mean wave direction

Duration 1 Sep 2003 0:00 ~ 30 Sep 2003 21:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.7
SW	0.0	6.7	0.8	0.0	0.0	0.0	0.0	7.5
WSW	0.0	28.3	5.0	0.0	0.0	0.0	0.0	33.3
W	0.0	3.3	0.0	0.0	0.0	0.0	0.0	3.3
WNW	0.0	5.4	0.0	0.0	0.0	0.0	0.0	5.4
NW	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.1
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	47.5	5.8	0.0	0.0	0.0	0.0	53.3

Calm 46.7 %
Obtained 240 Times

(%)



Significant wave period in each mean wave direction

Significant wave period in each mean wave direction

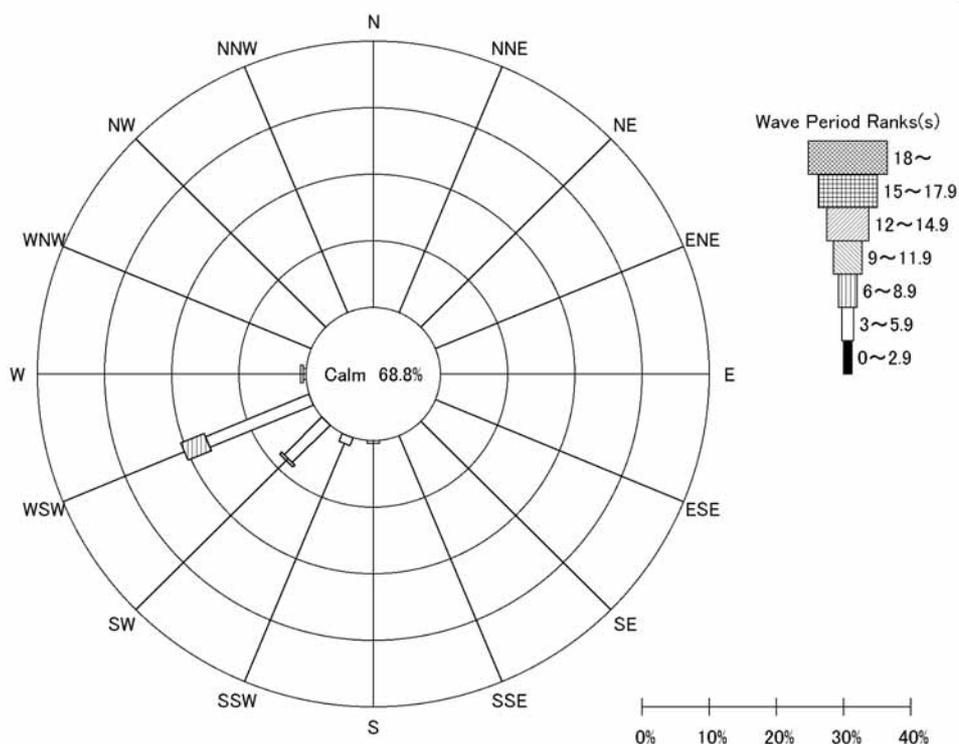
Duration 1 Oct 2003 0:00 ~ 31 Oct 2003 21:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
SSW	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8
SW	0.0	5.2	0.8	0.0	0.0	0.0	0.0	6.0
WSW	0.0	15.3	12.5	0.0	0.0	0.0	0.0	27.8
W	0.0	7.7	1.6	0.0	0.0	0.0	0.0	9.3
WNW	0.0	11.3	9.3	0.0	0.0	0.0	0.0	20.6
NW	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	43.5	24.2	0.0	0.0	0.0	0.0	67.7

Calm 32.3 %
Obtained 248 Times

(%)

Observation duration 1 Nov 2003 0:00~ 30 Nov 2003 21:00(LT)



Significant wave period in each mean wave direction

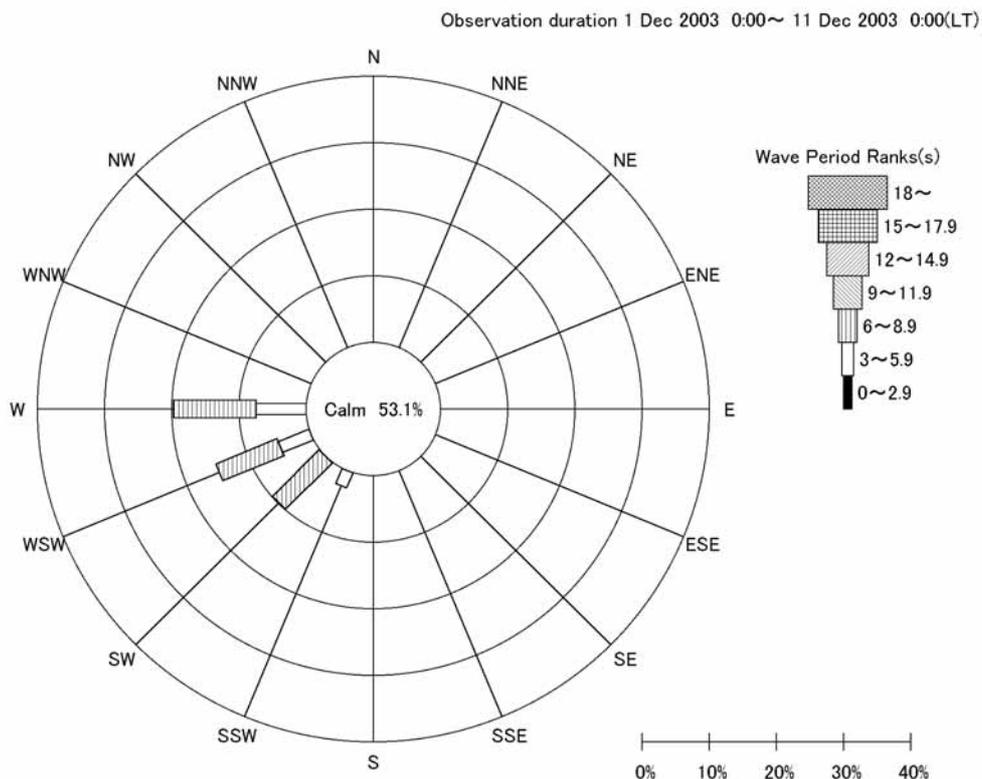
Significant wave period in each mean wave direction

Duration 1 Nov 2003 0:00 ~ 30 Nov 2003 21:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
SSW	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3
SW	0.0	7.9	0.4	0.0	0.0	0.0	0.0	8.3
WSW	0.0	16.7	3.8	0.0	0.0	0.0	0.0	20.4
W	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	26.7	4.6	0.0	0.0	0.0	0.0	31.3

Calm 68.8 %
Obtained 240 Times

(%)



Significant wave period in each mean wave direction

Significant wave period in each mean wave direction

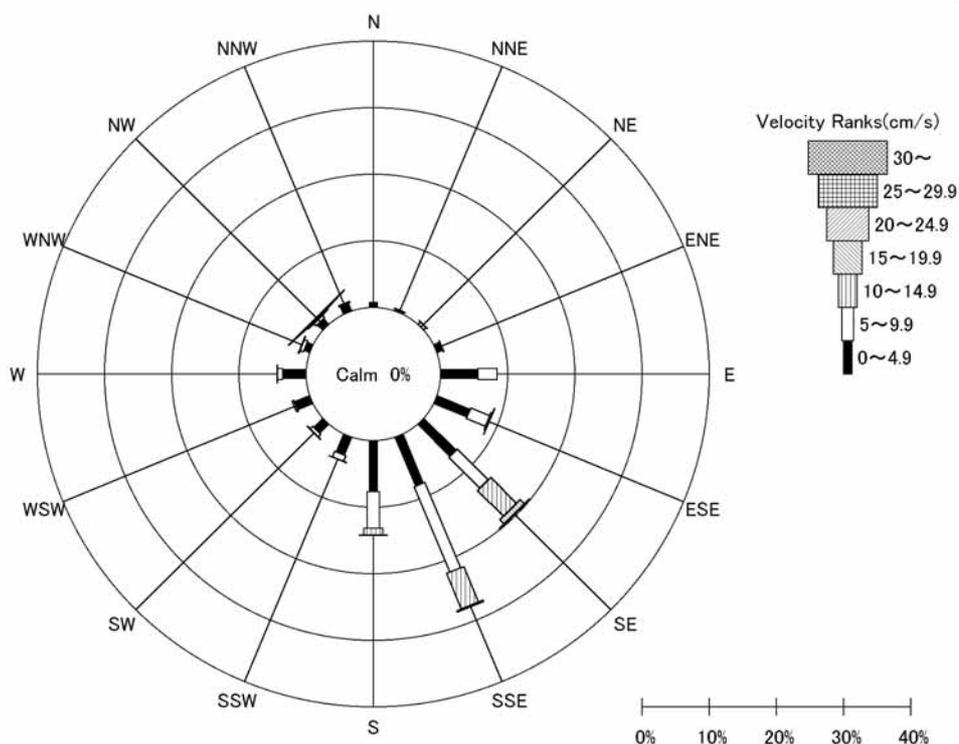
Duration 1 Dec 2003 0:00 ~ 11 Dec 2003 0:00(LT)

	0.0~ 2.9(s)	3.0~ 5.9(s)	6.0~ 8.9(s)	9.0~ 11.9(s)	12.0~ 15.9(s)	15.0~ 17.9(s)	18.0~ 20.9(s)	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5
SW	0.0	0.0	9.9	0.0	0.0	0.0	0.0	9.9
WSW	0.0	4.9	9.9	0.0	0.0	0.0	0.0	14.8
W	0.0	7.4	12.3	0.0	0.0	0.0	0.0	19.8
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	14.8	32.1	0.0	0.0	0.0	0.0	46.9

Calm 53.1 %
Obtained 81 Times

(%)

Observation duration 5 May 2003 14:00 ~ 11 Dec 2003 0:00(LT)



Velocity in each direction(Mean current)

Velocity in each direction(Mean current)

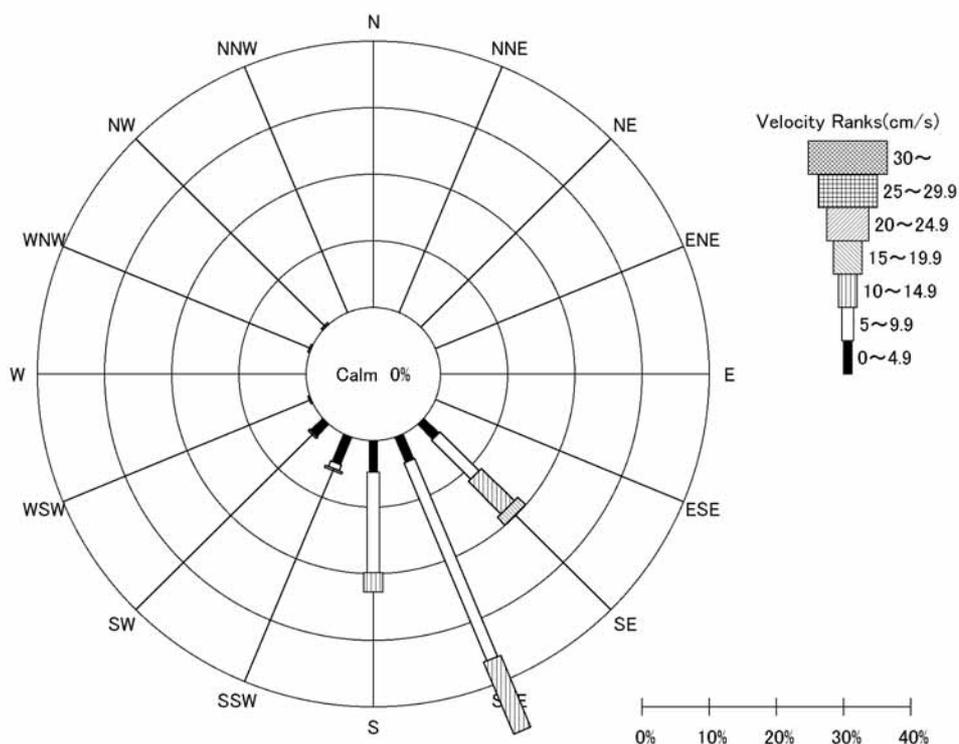
Duration 5 May 2003 14:00 ~ 11 Dec 2003 0:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NE	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5
ENE	0.9	0.1	0.0	0.0	0.0	0.0	0.0	1.0
E	5.6	2.8	0.0	0.0	0.0	0.0	0.0	8.4
ESE	5.4	3.0	0.2	0.0	0.0	0.0	0.0	8.7
SE	6.8	6.5	5.5	0.9	0.1	0.0	0.0	19.8
SSE	8.0	13.9	5.8	0.2	0.0	0.0	0.0	27.9
S	7.7	5.5	1.0	0.0	0.0	0.0	0.0	14.2
SSW	2.9	0.9	0.0	0.0	0.0	0.0	0.0	3.9
SW	1.9	0.5	0.0	0.0	0.0	0.0	0.0	2.5
WSW	2.4	0.2	0.0	0.0	0.0	0.0	0.0	2.7
W	3.5	0.8	0.1	0.0	0.0	0.0	0.0	4.3
WNW	0.9	0.6	0.1	0.0	0.0	0.0	0.0	1.6
NW	1.2	0.4	0.0	0.2	0.0	0.0	0.0	2.0
NNW	1.3	0.2	0.0	0.0	0.0	0.0	0.0	1.5
N	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Total	49.9	35.7	12.8	1.4	0.1	0.0	0.0	100.0

Calm 0.0 %
Obtained 2050 Times

(%)

Observation duration 5 May 2003 14:00~ 31 May 2003 22:00(LT)



Velocity in each direction(Mean current)

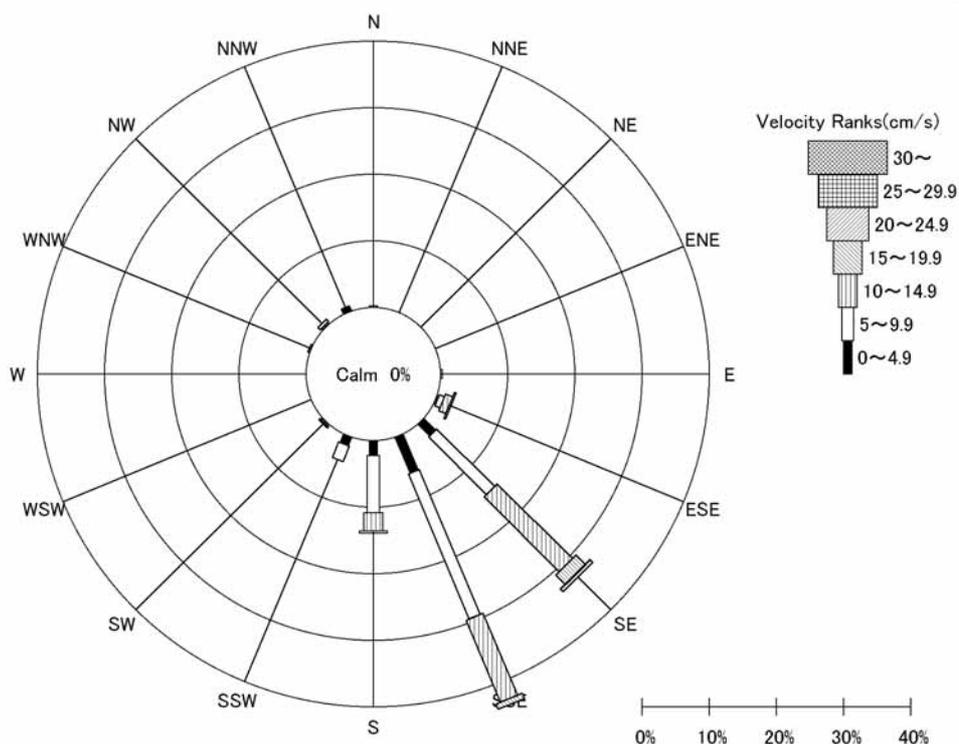
Velocity in each direction(Mean current)

Duration 5 May 2003 14:00 ~ 31 May 2003 22:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	3.2	8.2	6.9	1.6	0.0	0.0	0.0	19.9
SSE	4.1	32.2	11.7	0.0	0.0	0.0	0.0	47.9
S	4.7	15.1	2.8	0.0	0.0	0.0	0.0	22.7
SSW	4.4	0.9	0.3	0.0	0.0	0.0	0.0	5.7
SW	2.5	0.3	0.0	0.0	0.0	0.0	0.0	2.8
WSW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	19.9	56.8	21.8	1.6	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 317 Times (%)

Observation duration 1 Jun 2003 0:00~ 30 Jun 2003 22:00(LT)



Velocity in each direction(Mean current)

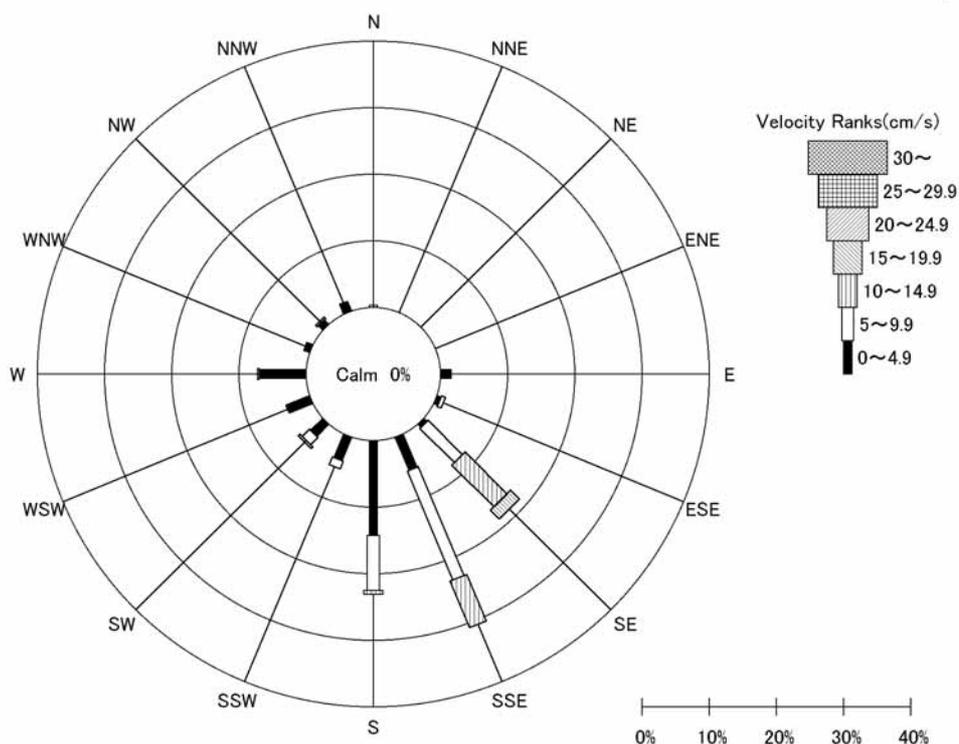
Velocity in each direction(Mean current)

Duration 1 Jun 2003 0:00 ~ 30 Jun 2003 22:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
ESE	0.3	0.8	1.1	0.3	0.0	0.0	0.0	2.5
SE	2.5	12.2	15.8	1.9	0.6	0.0	0.0	33.1
SSE	5.8	23.6	13.3	0.8	0.0	0.0	0.0	43.6
S	2.2	8.6	2.8	0.3	0.0	0.0	0.0	13.9
SSW	1.4	2.5	0.0	0.0	0.0	0.0	0.0	3.9
SW	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
NW	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.8
NNW	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
N	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Total	14.4	48.6	33.1	3.3	0.6	0.0	0.0	100.0

Calm 0.0 %
Obtained 360 Times (%)

Observation duration 1 Jul 2003 0:00 ~ 31 Jul 2003 21:00(LT)



Velocity in each direction(Mean current)

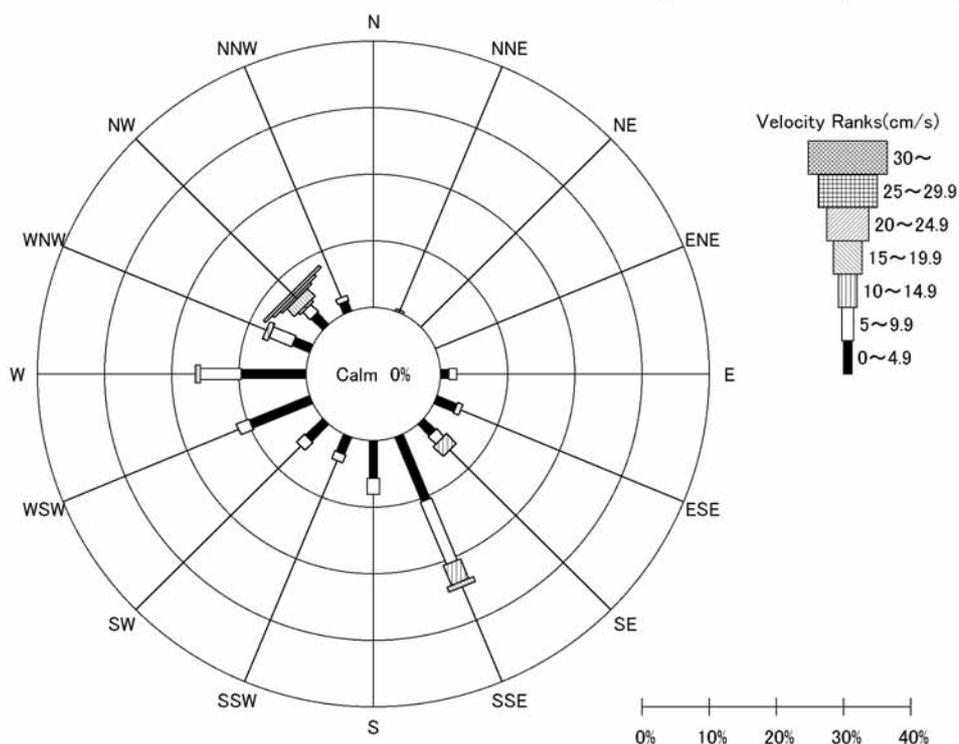
Velocity in each direction(Mean current)

Duration 1 Jul 2003 0:00 ~ 31 Jul 2003 21:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
ESE	0.6	0.6	0.0	0.0	0.0	0.0	0.0	1.3
SE	0.6	7.3	8.9	1.9	0.0	0.0	0.0	18.7
SSE	5.4	17.7	7.6	0.0	0.0	0.0	0.0	30.7
S	14.2	8.2	0.6	0.0	0.0	0.0	0.0	23.1
SSW	3.8	1.3	0.0	0.0	0.0	0.0	0.0	5.1
SW	2.5	1.6	0.3	0.0	0.0	0.0	0.0	4.4
WSW	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
W	7.0	0.3	0.0	0.0	0.0	0.0	0.0	7.3
WNW	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9
NW	0.9	0.3	0.0	0.0	0.0	0.0	0.0	1.3
NNW	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
N	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Total	43.4	37.3	17.4	1.9	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 316 Times (%)

Observation duration 1 Aug 2003 0:00~ 31 Aug 2003 21:00(LT)



Velocity in each direction(Mean current)

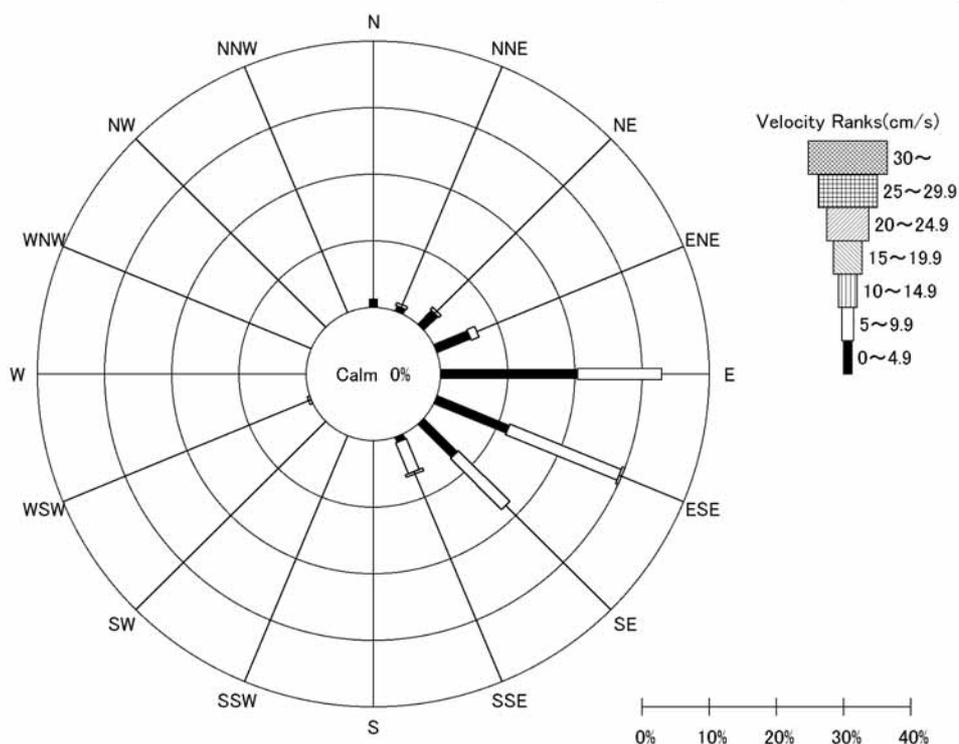
Velocity in each direction(Mean current)

Duration 1 Aug 2003 0:00 ~ 31 Aug 2003 21:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	1.2	1.2	0.0	0.0	0.0	0.0	0.0	2.4
ESE	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.0
SE	2.4	1.6	2.0	0.0	0.0	0.0	0.0	6.0
SSE	10.5	10.1	3.2	0.8	0.0	0.0	0.0	24.6
S	5.6	2.4	0.0	0.0	0.0	0.0	0.0	8.1
SSW	2.8	1.2	0.0	0.0	0.0	0.0	0.0	4.0
SW	3.6	1.6	0.0	0.0	0.0	0.0	0.0	5.2
WSW	9.7	2.0	0.0	0.0	0.0	0.0	0.0	11.7
W	9.7	6.0	0.8	0.0	0.0	0.0	0.0	16.5
WNW	2.8	3.6	0.8	0.0	0.0	0.0	0.0	7.3
NW	2.4	1.6	0.4	1.6	0.4	0.4	0.4	7.3
NNW	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.4
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	56.0	33.1	7.3	2.4	0.4	0.4	0.4	100.0

Calm 0.0 %
Obtained 248 Times (%)

Observation duration 1 Sep 2003 0:00~ 30 Sep 2003 21:00(LT)



Velocity in each direction(Mean current)

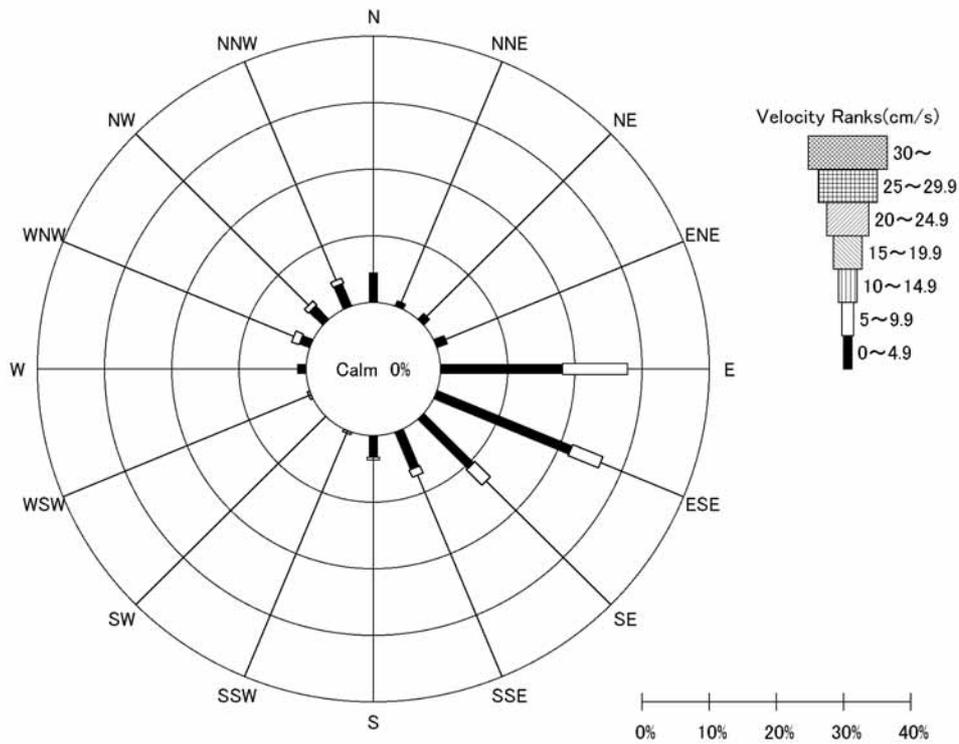
Velocity in each direction(Mean current)

Duration 1 Sep 2003 0:00 ~ 30 Sep 2003 21:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.8	0.4	0.0	0.0	0.0	0.0	0.0	1.3
NE	2.9	0.4	0.0	0.0	0.0	0.0	0.0	3.3
ENE	5.4	1.3	0.0	0.0	0.0	0.0	0.0	6.7
E	20.4	12.5	0.0	0.0	0.0	0.0	0.0	32.9
ESE	11.7	17.9	0.4	0.0	0.0	0.0	0.0	30.0
SE	7.1	10.8	0.0	0.0	0.0	0.0	0.0	17.9
SSE	0.8	5.0	0.4	0.0	0.0	0.0	0.0	6.3
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3
Total	50.8	48.3	0.8	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 240 Times (%)

Observation duration 1 Oct 2003 0:00~ 31 Oct 2003 21:00(LT)



Velocity in each direction(Mean current)

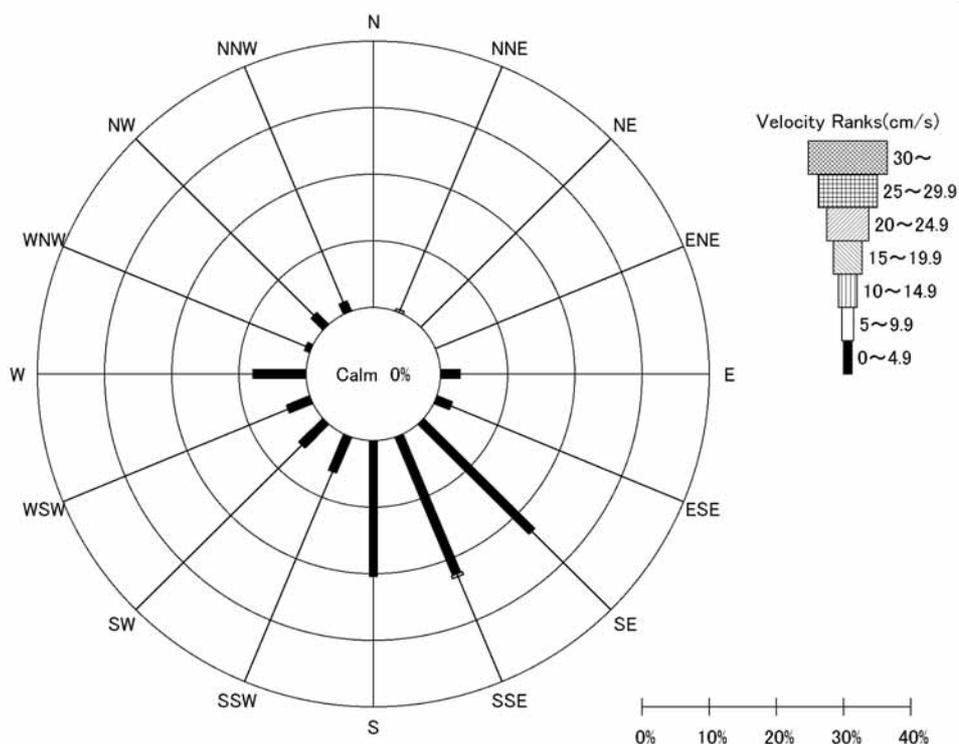
Velocity in each direction(Mean current)

Duration 1 Oct 2003 0:00 ~ 31 Oct 2003 21:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
NE	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
ENE	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
E	18.1	9.7	0.0	0.0	0.0	0.0	0.0	27.8
ESE	21.8	4.8	0.0	0.0	0.0	0.0	0.0	26.6
SE	10.5	3.2	0.0	0.0	0.0	0.0	0.0	13.7
SSE	6.0	1.2	0.0	0.0	0.0	0.0	0.0	7.3
S	3.2	0.4	0.0	0.0	0.0	0.0	0.0	3.6
SSW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
W	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
WNW	1.6	1.2	0.0	0.0	0.0	0.0	0.0	2.8
NW	2.8	0.8	0.0	0.0	0.0	0.0	0.0	3.6
NNW	3.6	0.8	0.0	0.0	0.0	0.0	0.0	4.4
N	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Total	77.8	22.2	0.0	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 248 Times

Observation duration 1 Nov 2003 0:00~ 30 Nov 2003 21:00(LT)



Velocity in each direction(Mean current)

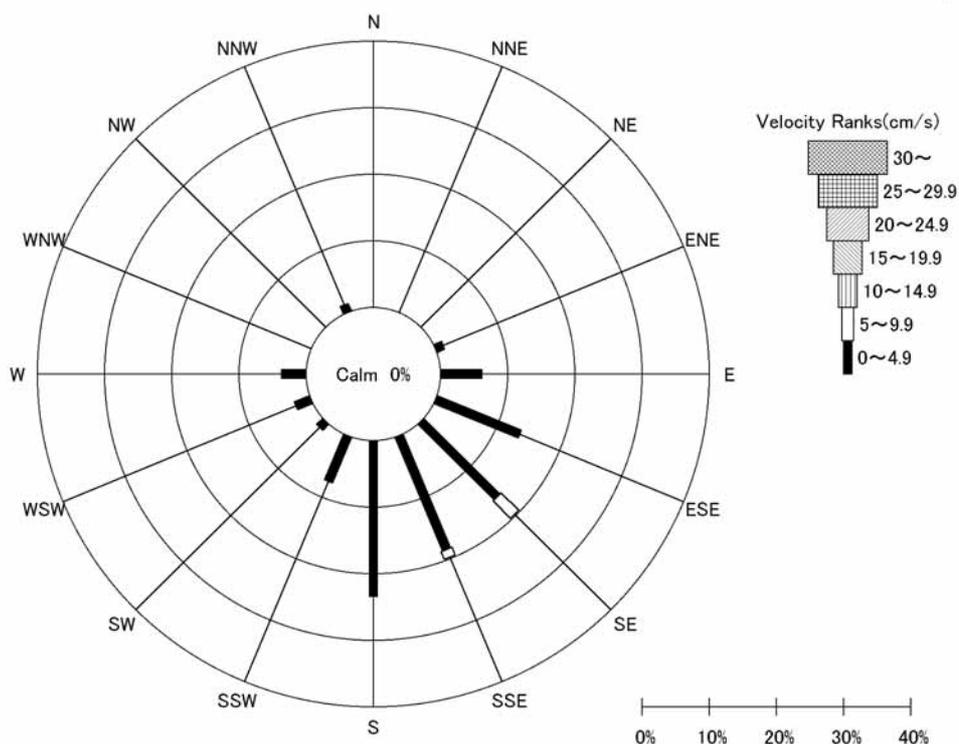
Velocity in each direction(Mean current)

Duration 1 Nov 2003 0:00 ~ 30 Nov 2003 21:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	2.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9
ESE	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
SE	23.3	0.0	0.0	0.0	0.0	0.0	0.0	23.3
SSE	22.5	0.4	0.0	0.0	0.0	0.0	0.0	22.9
S	20.4	0.0	0.0	0.0	0.0	0.0	0.0	20.4
SSW	5.8	0.0	0.0	0.0	0.0	0.0	0.0	5.8
SW	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
WSW	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
W	7.9	0.0	0.0	0.0	0.0	0.0	0.0	7.9
WNW	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8
NW	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
NNW	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	99.6	0.4	0.0	0.0	0.0	0.0	0.0	100.0

Calm 0.0 %
Obtained 240 Times (%)

Observation duration 1 Dec 2003 0:00~ 11 Dec 2003 0:00(LT)



Velocity in each direction(Mean current)

Velocity in each direction(Mean current)

Duration 1 Dec 2003 0:00 ~ 11 Dec 2003 0:00(LT)

	0.0~ 4.9(cm/s)	5.0~ 9.9(cm/s)	10.0~ 14.9(cm/s)	15.0~ 19.9(cm/s)	20.0~ 24.9(cm/s)	25.0~ 29.9(cm/s)	30.0(cm/s) ~	Total
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
E	6.2	0.0	0.0	0.0	0.0	0.0	0.0	6.2
ESE	13.6	0.0	0.0	0.0	0.0	0.0	0.0	13.6
SE	16.0	3.7	0.0	0.0	0.0	0.0	0.0	19.8
SSE	18.5	1.2	0.0	0.0	0.0	0.0	0.0	19.8
S	23.5	0.0	0.0	0.0	0.0	0.0	0.0	23.5
SSW	7.4	0.0	0.0	0.0	0.0	0.0	0.0	7.4
SW	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
WSW	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
W	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.7
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	95.1	4.9	0.0	0.0	0.0	0.0	0.0	100.0

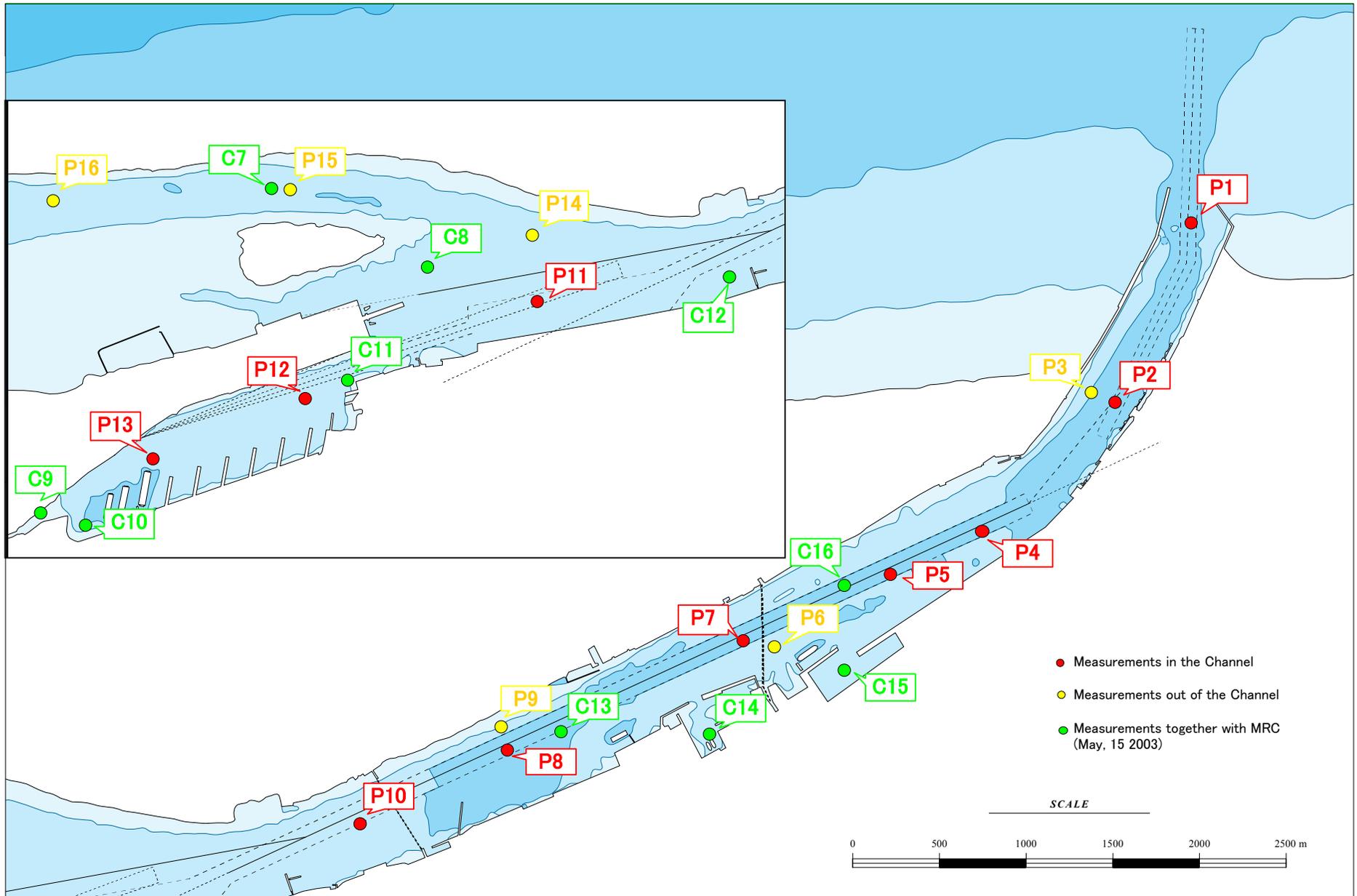
Calm 0.0 %
Obtained 81 Times (%)

(2) Current, Turbidity and Salinity by Portable Equipment

The current, turbidity and salinity were measured with using portable equipment by the JICA Study Team. The vertical distribution of them show in the followings.

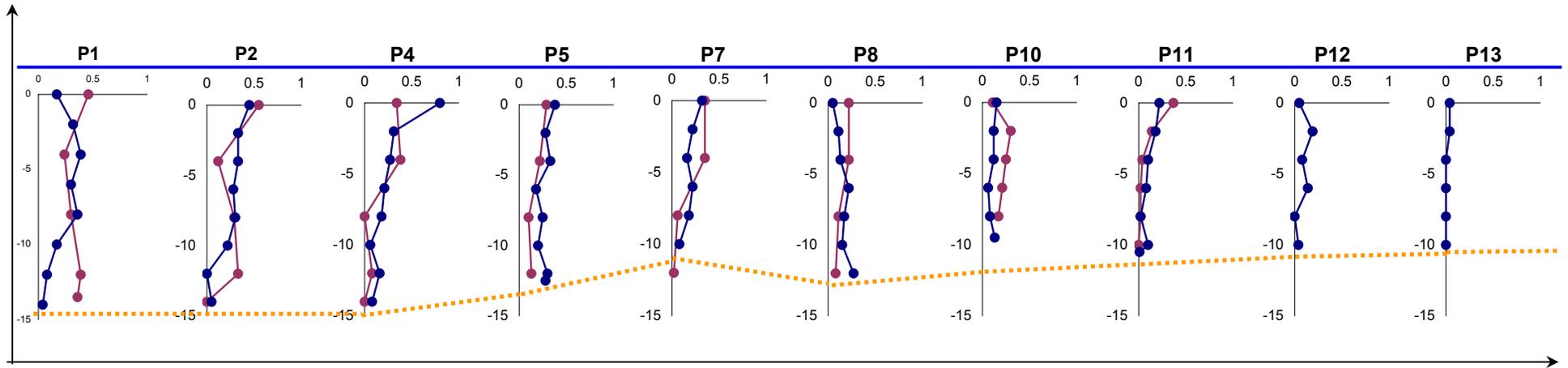
Current, Salinity, Turbidity measurement points in the port territory

E - 66

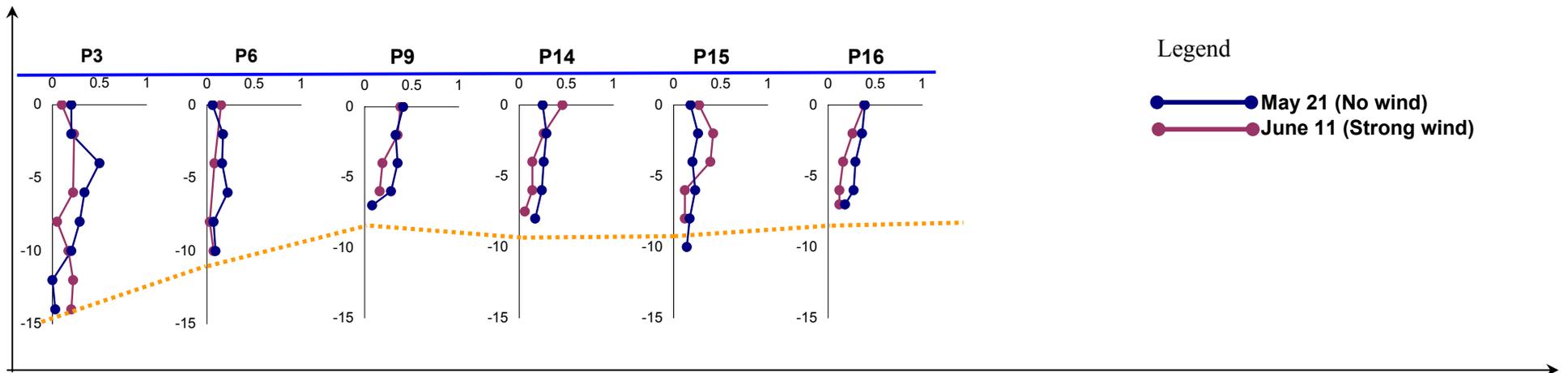


Current Speed

May 21, June 11 2003

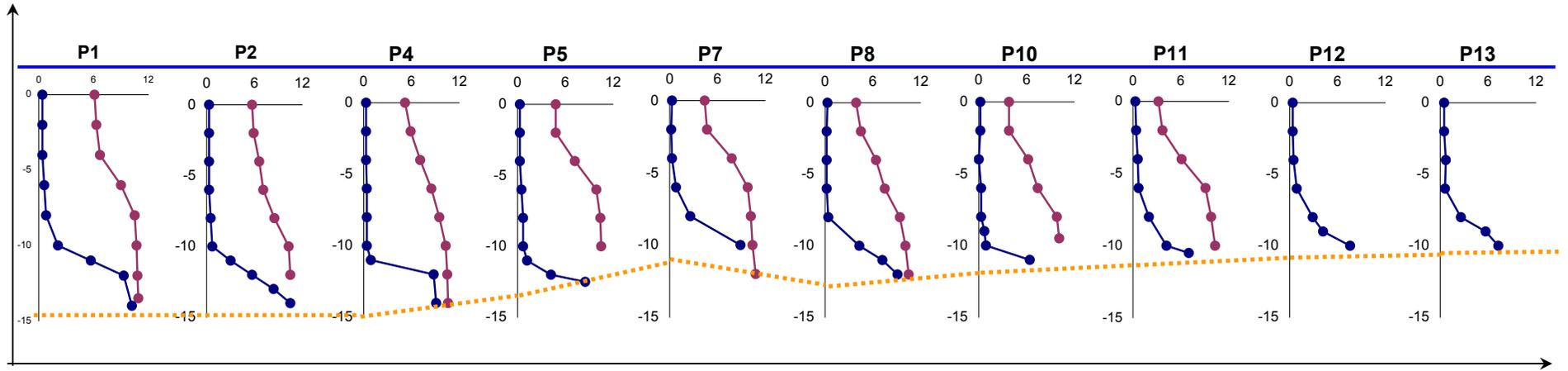


E - 67

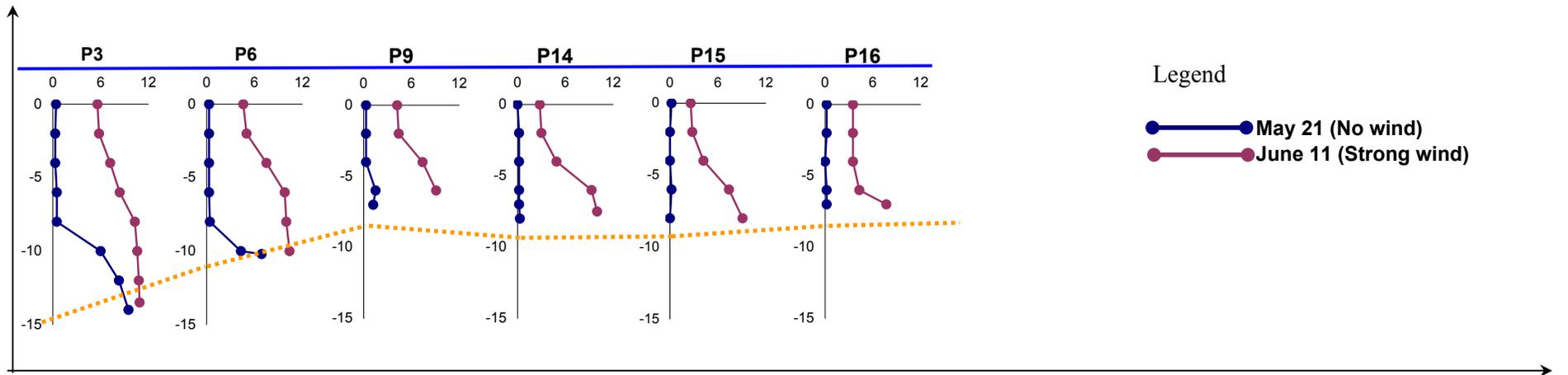


Salinity

May 21, June 11 2003



E - 68

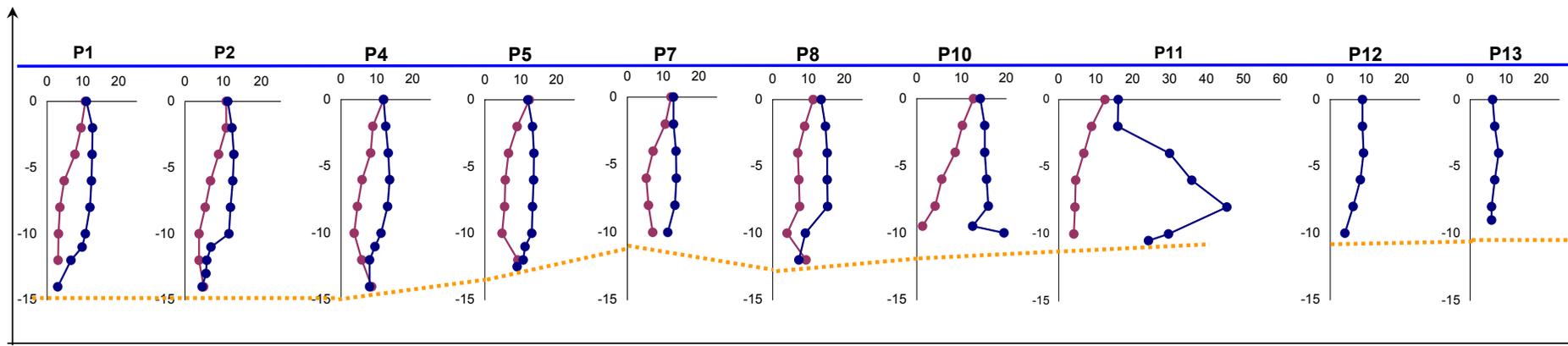


Legend

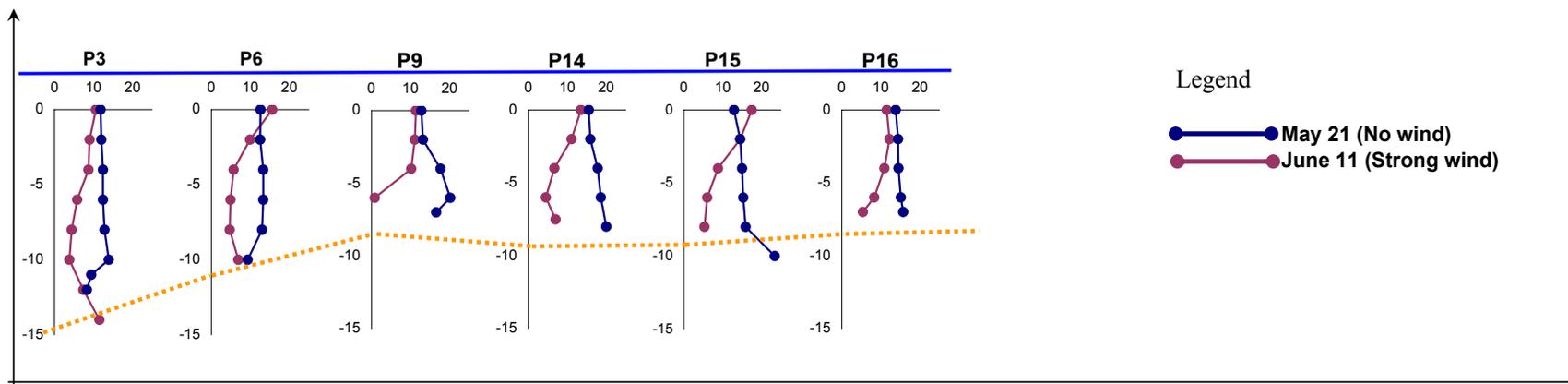
- May 21 (No wind)
- June 11 (Strong wind)

Turbidity

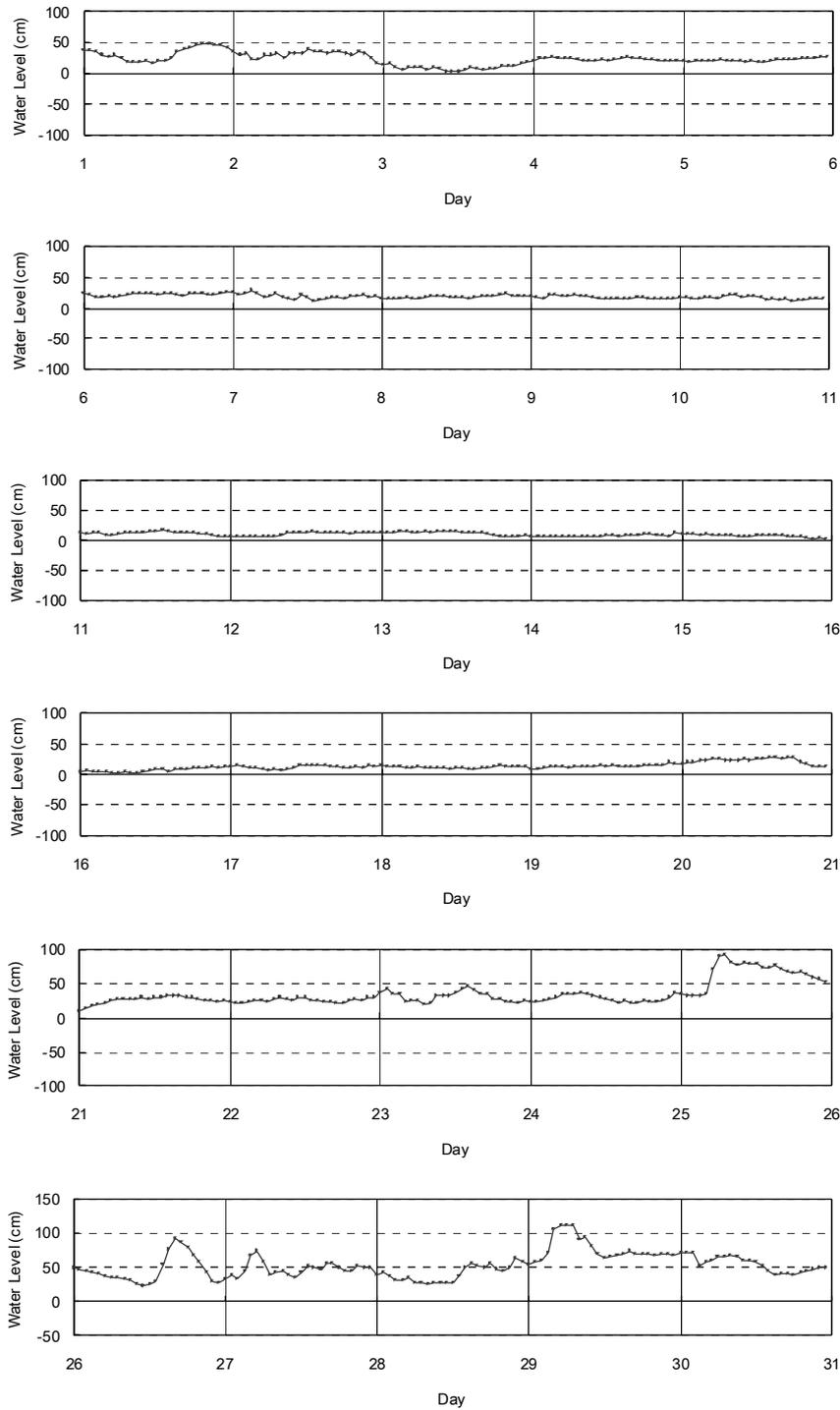
May 21, June 11 2003



E - 69



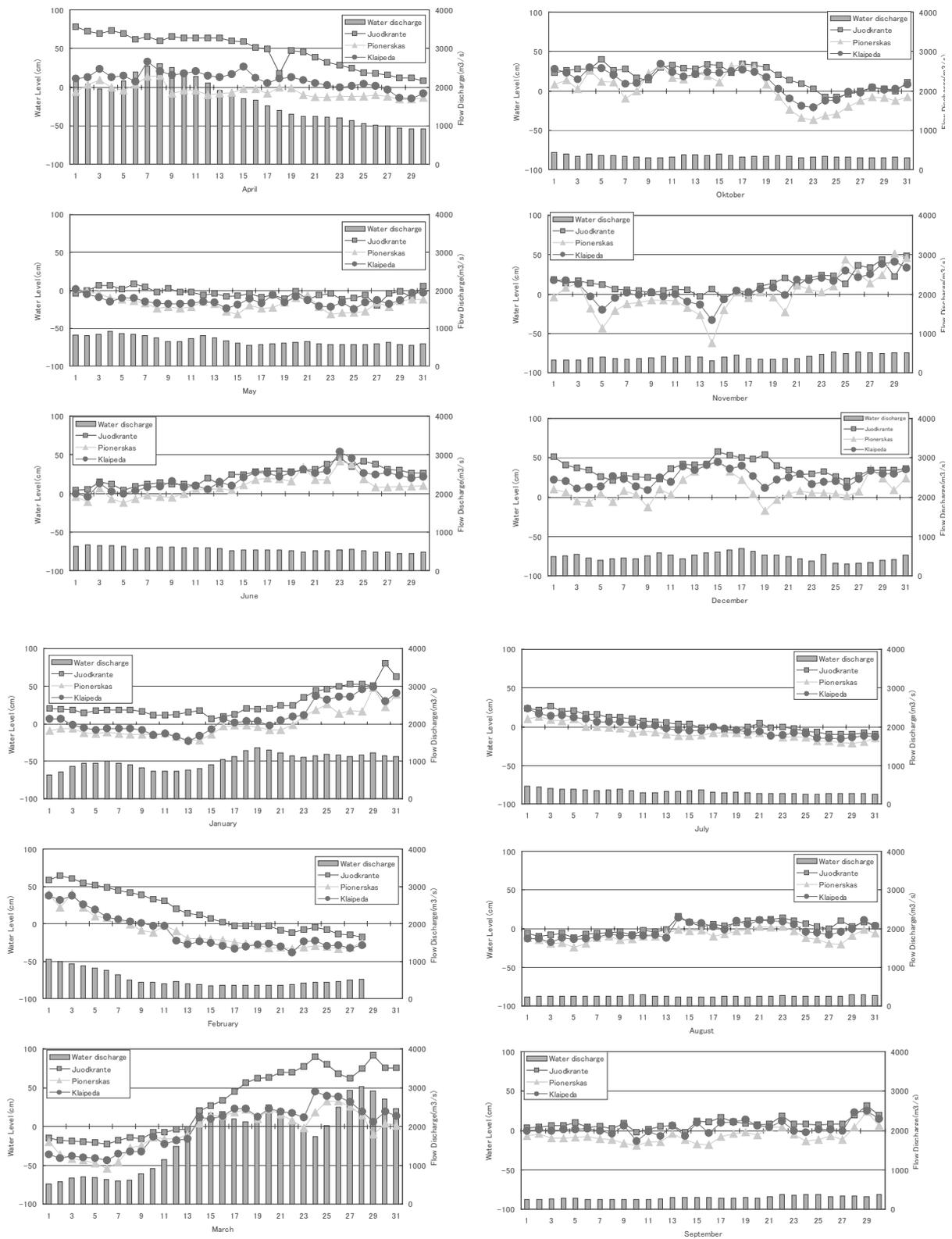
(3) Water Level



Source: Marine Research Centre

Example of Dairy Water Level Change in the Klaipeda Strait

(4) Water Balance between Klaipeda Strait and Baltic Sea



Source: Lithuanian Energy Institute

Relationship between Water Discharge and Water Levels