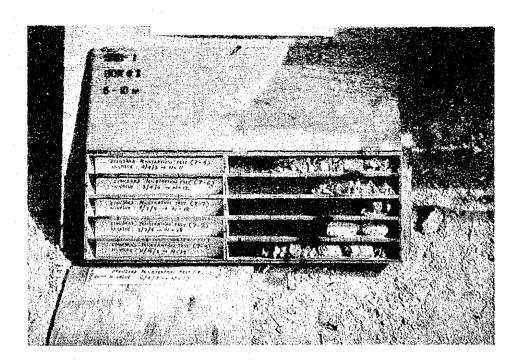
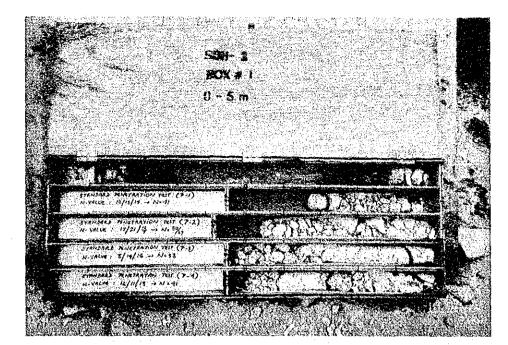


Rock Cores of Borehole SDH-1 (Box No. 1)

1 - 33

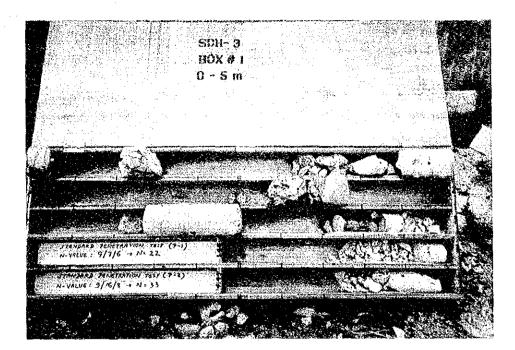


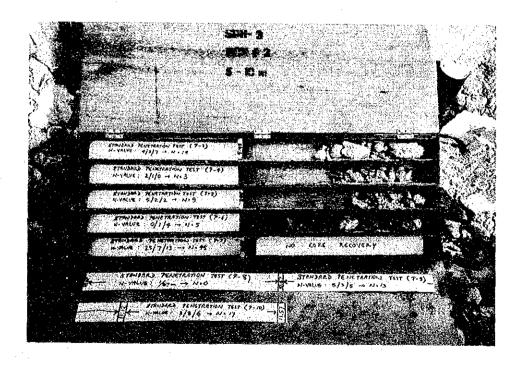
Rock Cores of Borehole SDH-1 (Box No. 2)



S-1 10 m 16 8 5

Rock Cores of Borehole SDH-2





Rock Cores of Borehole SDH-3

Chapter 2. Oceanographic Data

2.1 Observation on the East, South and West Coasts

Oceanographic survey has been carried out by using the instruments equipped with pressure type wave gage and electromagnetic current meter for the east, south and west coasts of Male' Island (Figure 2.1), respectively. The wave gage can measure wave heights and wave periods, and the current meter can measure a current speed and a current direction. A wave direction can be calculated using the velocity of water particles induced by waves.

2.1.1 Outline of Observations

(1) Observation Periods

The observation was conducted during the period from September 22nd to October 2nd on the east coast, from October 2nd to October 10th on the south coast and from October 10th to October 19th on the west coast, respectively. In addition, the instrument was installed at station No. 0 which was located offshore in the southern part of the east coast (refer to Figure 2.1) in order to obtain the long term records for one year.

STATION	September 1991	October 1991
EAST (No. 1,2,3)	22nd	2nd
SOUTH (No. 1,2,3)		2nd 10th
WEST (No. 1,2,3)		10th 19th
EAST (No. 0)	24th	

Table 2.1Measuring Periods of Wave and Current

(2) Installation of Instrument

The installation methods and the dimensions of wave gage and current meter are displayed in Figure 2.2. Though the instruments of different height were used, the function and accuracy of both instruments were absolutely the same as the other.

The schematic image is given in Figure 2.3. The instrument at Station East No. 0 for long term measuring was set on a concrete base (1.5 m x 1.5 m x 0.4 m). The other instrument for short term measuring was fixed by cubic concrete blocks placed on a metal frame.

(3) Observation Interval

The records of wave and current were measured continuously for 20 minute periods at intervals of two hours at even-numbered time of day. Each value of waves (the height of water surface position) and current components were taken instantaneously at intervals of 0.5 seconds.

(4) Calculation Method

a) Wave Direction

Wave direction (θ) is estimated by using the following equation:

$$\theta = \tan^{-1} \left(\frac{-\eta_{\rm P} v}{-\eta_{\rm P} u} \right) \tag{1}$$

Where, u and v denote the x and y components of current velocity and η_p is the water pressure variation due to the surface fluctuation of water.

b) Wave Height and Wave Period

Wave heights and periods of maximum, 1/10, significant and mean waves are determined by the zero-up crossing method applied to the wave configuration induced from the water pressure variation taken at intervals of 0.5 second. The conversion from a water pressure to a wave height (H) is determined by the following equation (2);

$$H = n \frac{1}{w} a k x \cosh \frac{2\pi h}{L} \div \cosh \left(\frac{2\pi (h-z)}{L} \right) \quad (2)$$

Where,

L : wave length (
$$= \frac{gt^2}{2\pi} \tanh \frac{2\pi h}{L}$$
),

t : wave period,

n : correcting parameter (=1.3),

w : unit weight of sea water,

a : amplitude of water pressure variation,

k : sensitive constant of wave gage,

g : acceleration due to gravity,

z : vertical special coordinate,

h : water depth of wave gage.

c) Current Velocity

Current velocity is determined by the vector calculation method using the x and y component values obtained by the electromagnetic current meter.

d) Specification of Instrument

1) Control and CPU Unit

Observation period

Observation mode

30 days : 10 min./2 hours 10 min. & 20 min./1 hour 10 min. & 20 min./2 hour 10 min. & 20 min./2 hour continuous

Synchronized by sampling pulse

Magnet compass (clockwise as

0.5 second (fixed)

±30 seconds/month

0 - 2.5 m(x,y)

±1 % FS

zero of north)

2 cm

±5 °

±1.4 °

Sampling interval

· Accuracy of clock

• Synchronizing method

2) Detector Unit and Electromagnetic Sensor

- Measuring range
- Measuring accuracy
- Resolution
- 3) Magnet Compass
 - Detecting method
 - Accuracy of magnet
 - Resolution
 - Supporting method Gimbal device with fueled oil
 - 2 3

- 4) Pressure Detector
 - Measuring range
 - Measuring accuracy
- 5) Memory Cassette
 - · Data memory method
 - Memory capacity
 - Data processing
- 6) Battery and Power Unit
 - Battery
- 7) Water-Proof Case
 - Durable pressure
 - Material
 - Weight

2 ~ 30 meter ±1 % FS

IC memory cassette 4 mega-byte Coresponding to NEC personal computer PC 9800 series.

Lythium battery, 6V-30Ah Mountable 2 pc battery

6 km/cm² SUS - 316 • Approx. 25 kg

2.1.2 Characteristics of Wave and Current

Based on the results derived from the observed data, some characteristics of wave and current at each site (refer to Figure 2.1) will be described in this section. Wind data observed simultaneously in Hulule Island are added to time-series records which are shown as sequence of wave, wind and current.

(1) South-East Offshore Point (EAST No. 0; Depth D.L. -20 m)

Figure (2.4 to 2.7) represent the time-series records of wave, wind and current, and the distribution of wave height, wave period and current, respectively. A maximum wave height of 2.0 meters was observed on September 30th, 1992. Almost all data, however, show the wave height of 0.5 meter to 1 meter and the wave period of 10 seconds during the above observation period. Most of the waves are incident from the south east (SE). According to the above facts, swells propagating from the Indian Ocean come to Male' Island from the south east with the long period of 10 seconds.

On the other hand, though maximum current speed of 96.7 cm/sec is recognized on January 12th, 1992, the observed current is relatively weak as a whole. The direction of current is classified roughly into a west stream flowing in the west direction and an east stream flowing in the east direction.

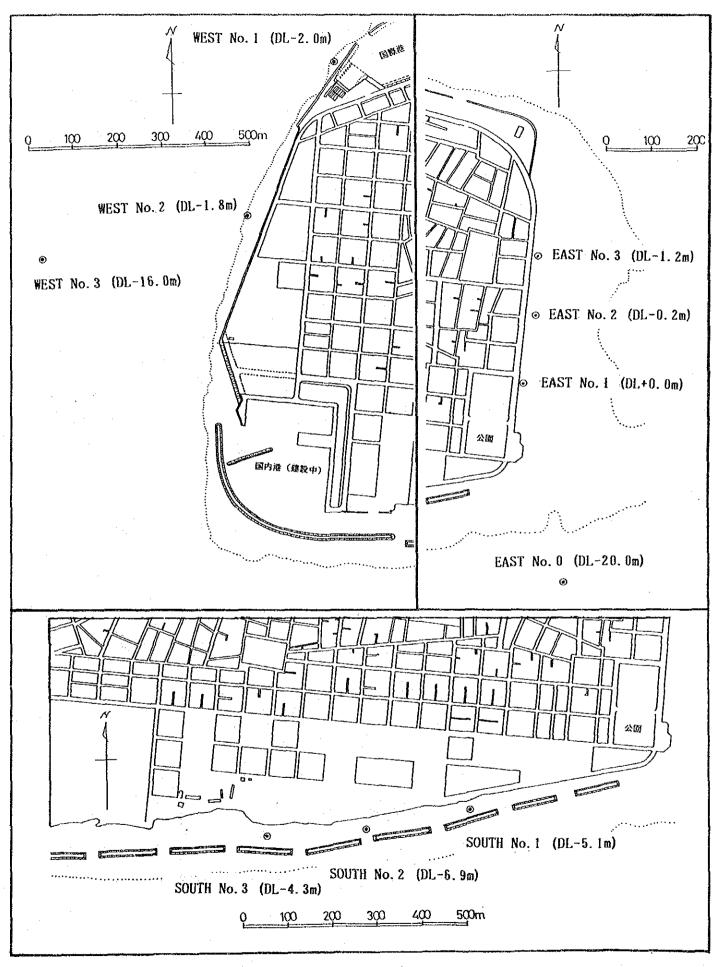
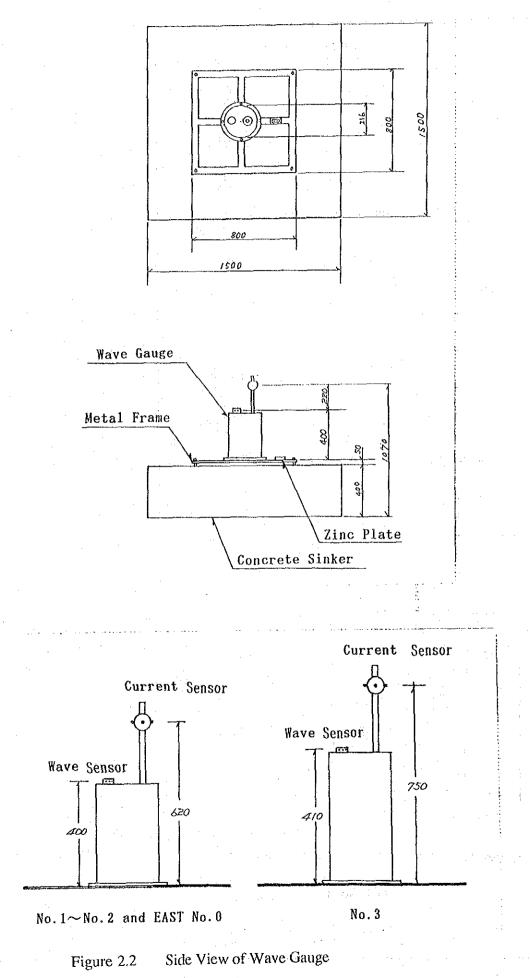


Figure 2.1 Observation Points



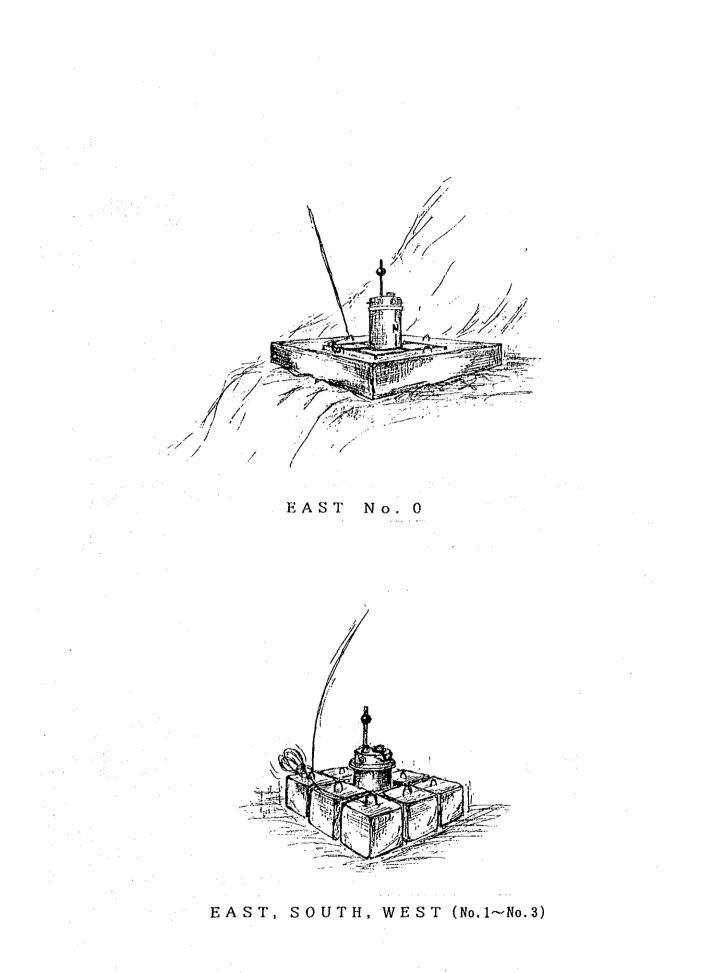
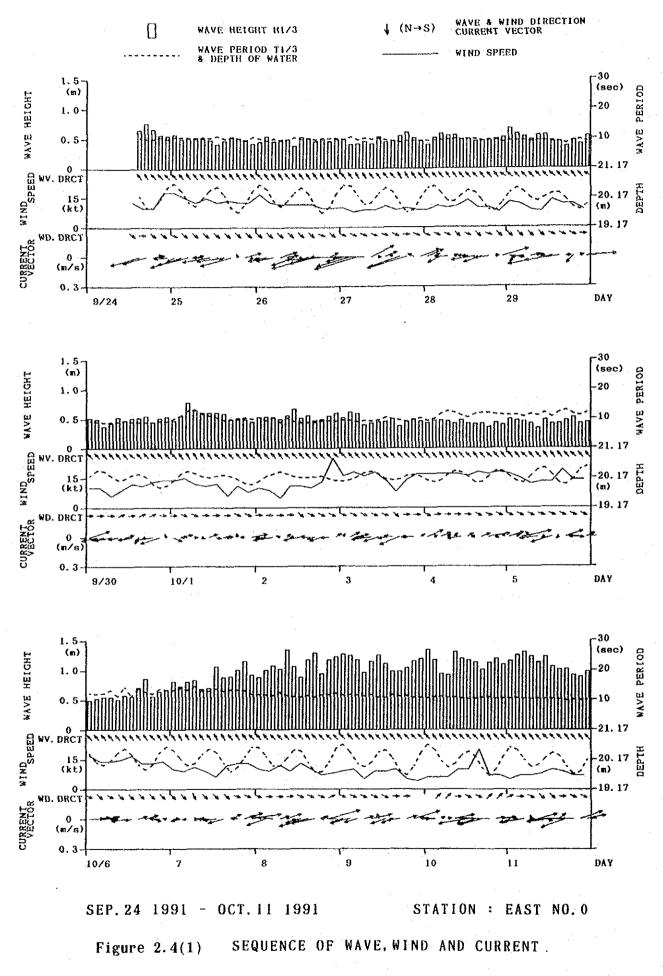
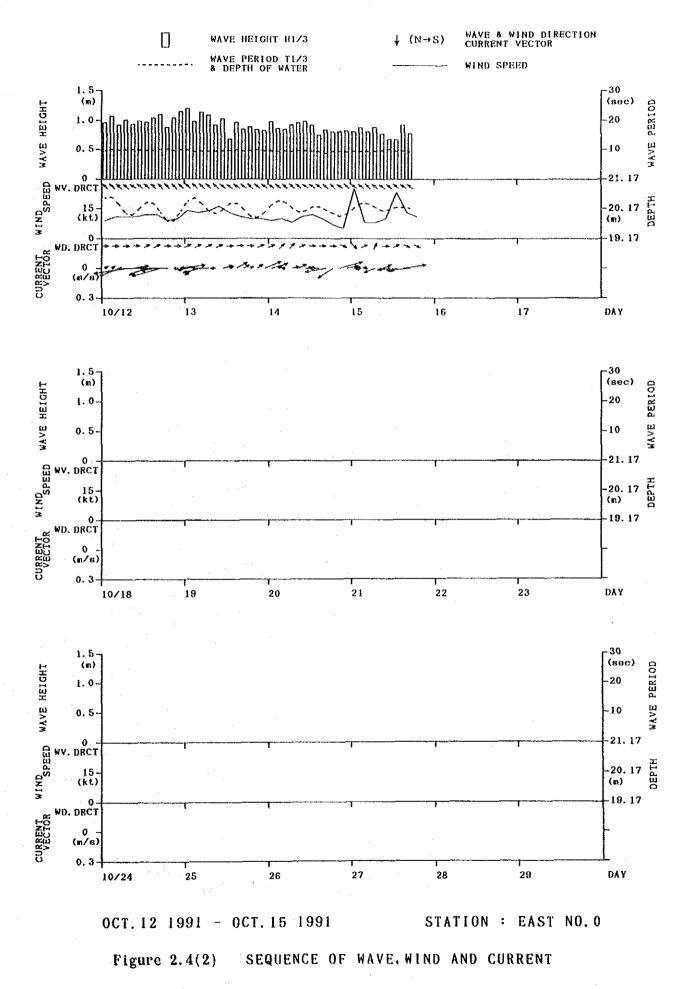
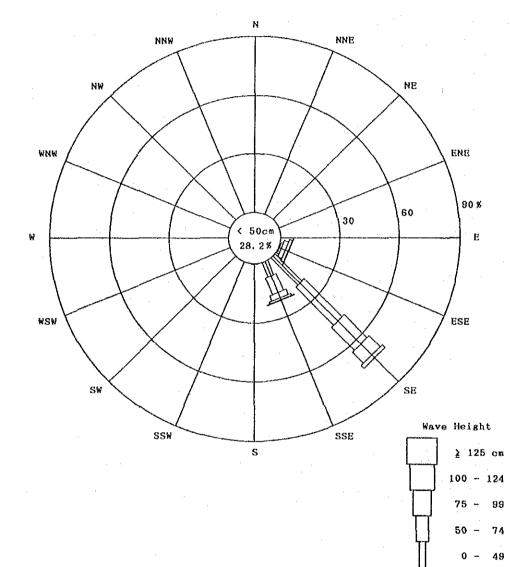


Figure 2.3 Setting Layout of Wave Gauge





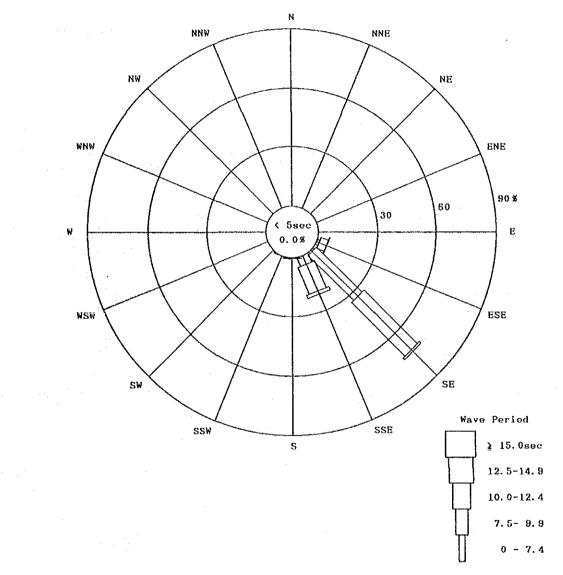


All Terms (Oct. 1 1991 - Sep. 30 1992)

Station : East No.0

Figure 2.5 WAVE HEIGHT ROSE

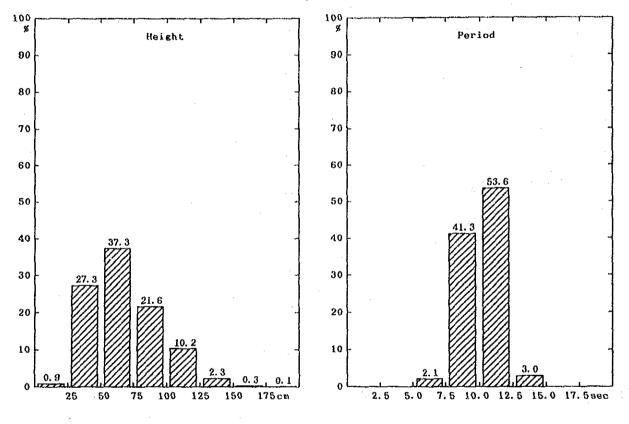
2 - 1 0



All Terms (Oct. 1 1991 - Sep.30 1992)

Station : East No.0

Figure 2.6 WAVE PERIOD ROSE



All Terms (Oct. 1 1991 - Sep. 30 1992)

Station : East No.0

Figure 2.7

FREQUENCY OF WAVE HEIGHT AND WAVE PERIOD

2 - 1 2

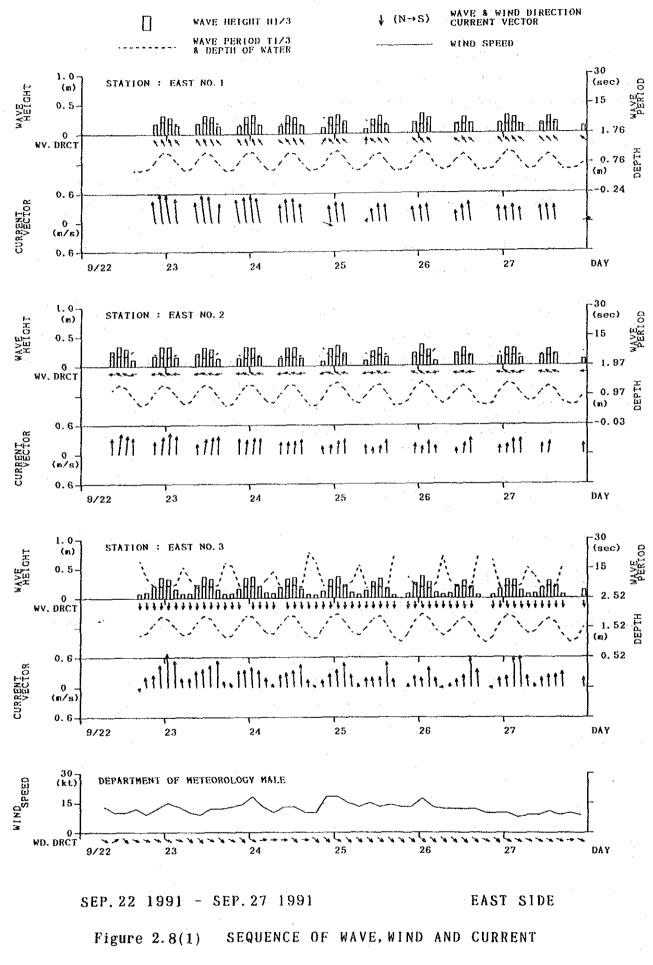
The west stream occurs at the time of ebb stage (falling tide) and the east stream at the time of flood stage (rising tide). Comparing both streams, the velocity of the west stream tends to be stronger than that of the east stream.

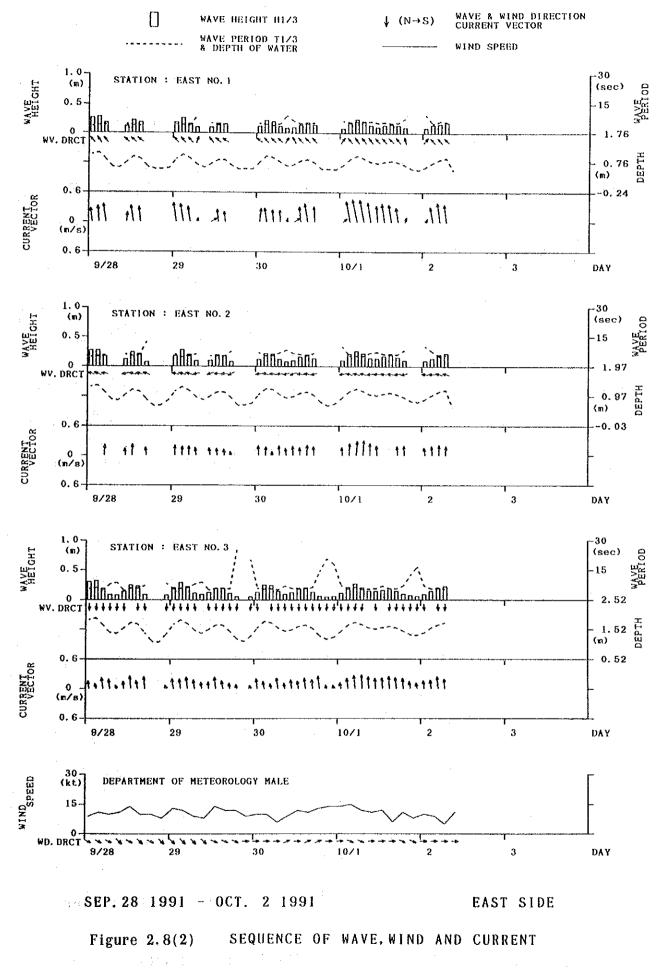
(2) East Coast (EAST No. $1 \sim No. 3$)

Figures 2.8 to 2.12 represent the distribution of waves and currents based on the observed records on the reef flat on the east coast. The lack of data in Figure 2.8 (1) and 2.8 (2) is due to the exposure of the sensor to the air at the time of low water level. Wave heights on the reef flat are considerably low compared with those of offshore waves due to the wave breaking nearby the reef edge.

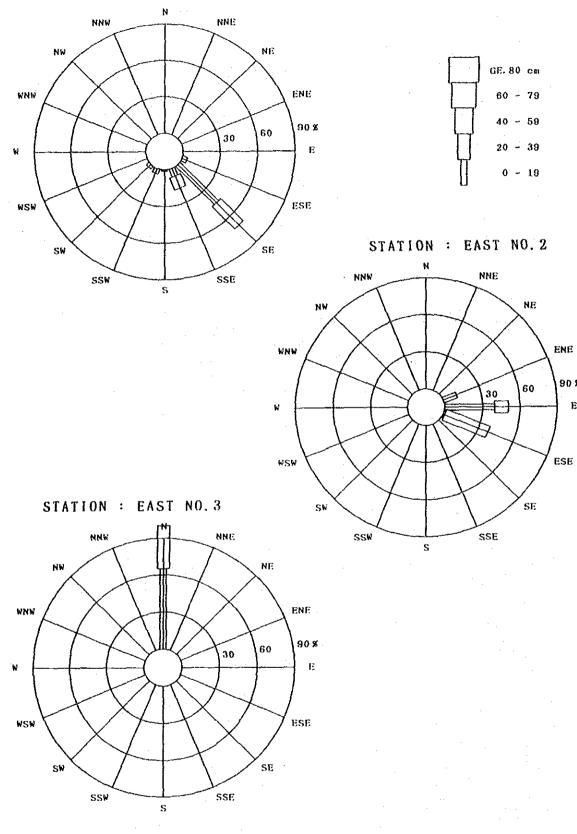
Waves observed in this zone are lower than 40 cm in height, and tend to become high in accordance with the rise of sea level. Wave periods also become shorter than offshore ones at East No. 0 due to the wave fission phenomenon nearby the reef edge. It is seen that longer periods on the reef flat than offshore ones are plotted in the figures. But this is owing to the influence of the zero-up crossing method applied to very low waves. On the other hand, the predominant wave direction changes counter-clockwise gradually from the south east (SE) at No. 1 to the north (N) at No. 3. The change of wave direction is due to the wave refraction caused by the change of bottom topography in the nearshore region.

In regard to current, the water flows uniformly in the north direction without the relationship of tide stage at all observation points. The water on the reef flat on the east coast is supposed to flow out of the reef flat into the offshore region through a reef gap at the north side. The current has a tendency to become fast in accordance with the rise of sea level as well as the wave height. The current on the reef flat is estimated to be caused by the water mass brought by an offshore wave action. It is concluded that a predominant current on the reef flat on the east coast is a wave induced current, that is, "nearshore current" in the coastal engineering term.









SEP. 22 1991 - OCT. 2 1991

EAST SIDE

90 X

E

Figure 2.9

WAVE HEIGHT ROSE

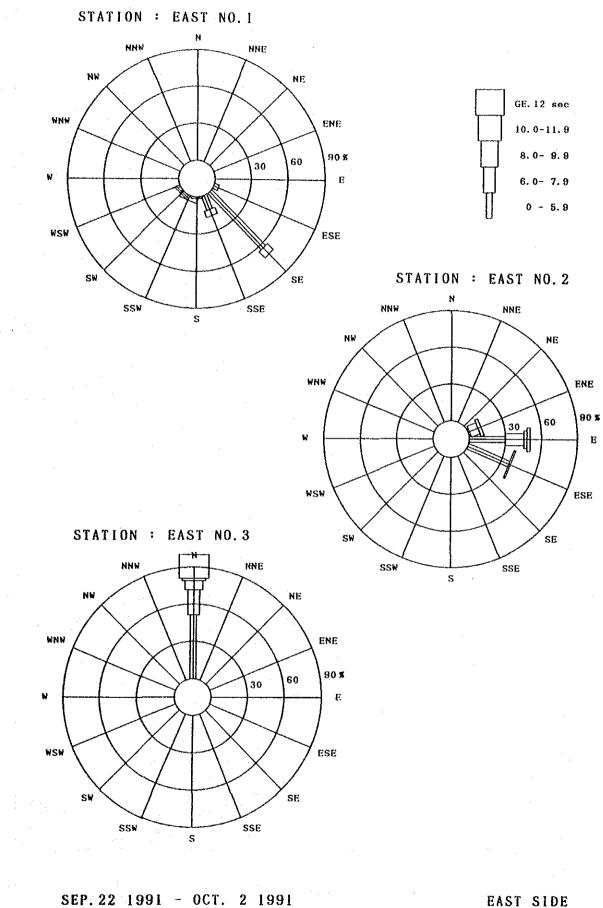
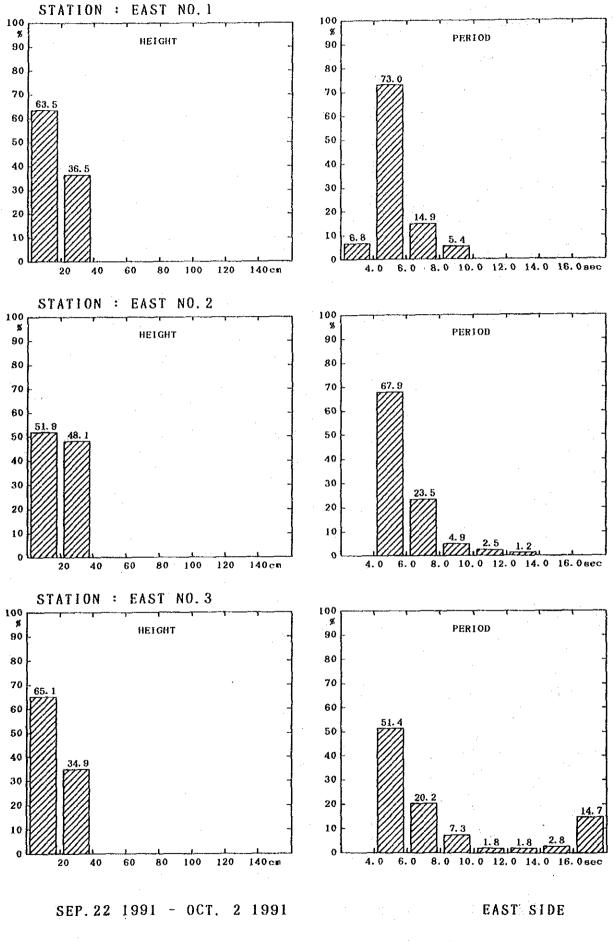
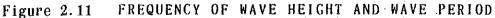
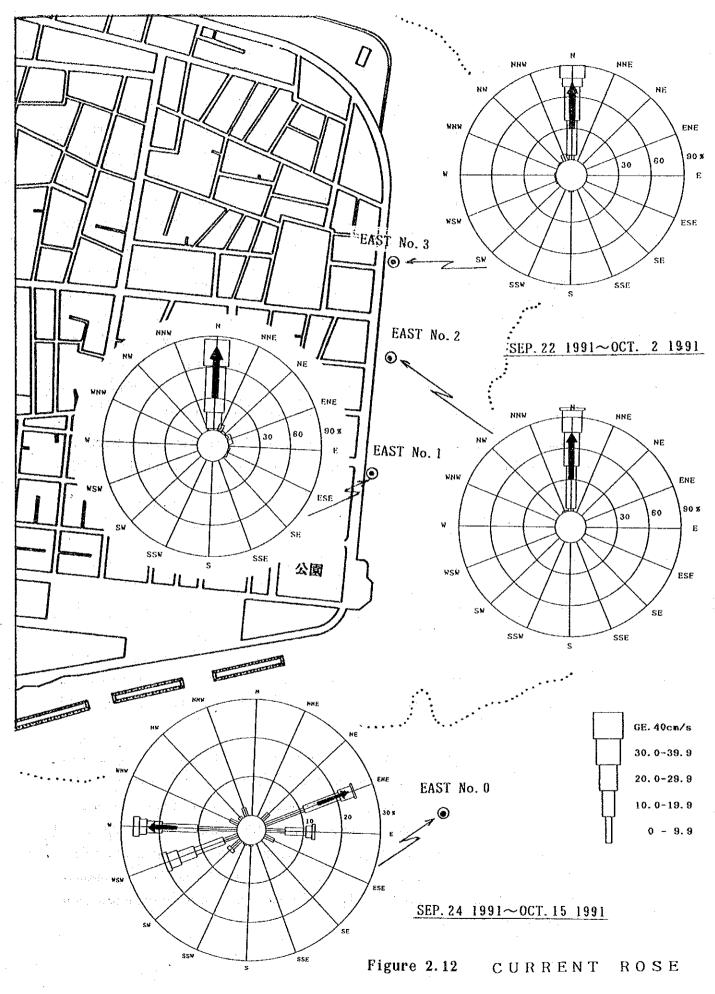


Figure 2.10 WAVE PERIOD ROSE

EAST SIDE







South Coast (South No. 1 ~ No. 3) (3)

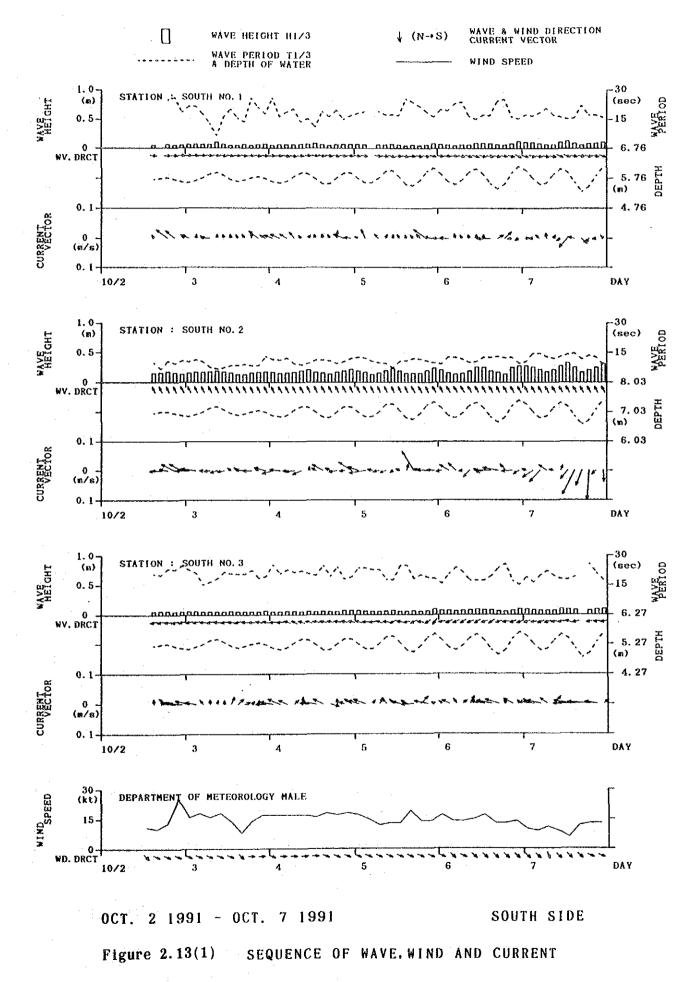
Figures 2.13 (1) to 2.17 represent the distribution of wave and current based on the observed records on the south coast. The waves indicate low heights because the observation points are located inside the detached breakwaters. The station of No. 2 located at the open area of the two breakwaters and the wave heights are 30 cm to 40 cm bigger than those of the other two stations (No. 1 and No. 3) which are sheltered by the breakwater. But the wave height at the station of No. 2 is almost 1/3of offshore ones (East No. 0). The predominant incident wave comes from the west (W) at the station of No. 1, from the southern south east (SSE) at the station of No. 2, and from the east (E) at the station of No. 3. The waves at No. 1 indicate the diffracted ones incoming from the west opening corner of the breakwater because the waves incoming from the east are very little due to the shallowness at the east corner of the breakwater. On the other hand, the waves at the station of No. 3 behind the breakwater come predominantly from the east (E) because offshore waves propagate from the east direction as seen at the station of No. 2 and No. 0.

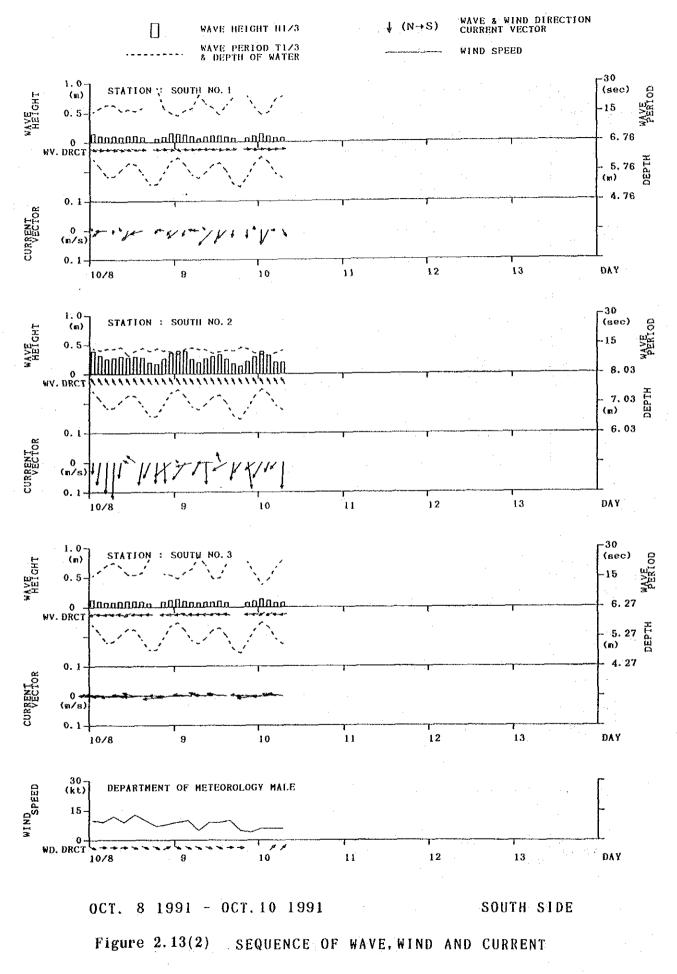
The currents observed inside the breakwater indicate relatively weak currents, but the predominant currents flow in the west direction along the dredged channel behind the detached breakwater.

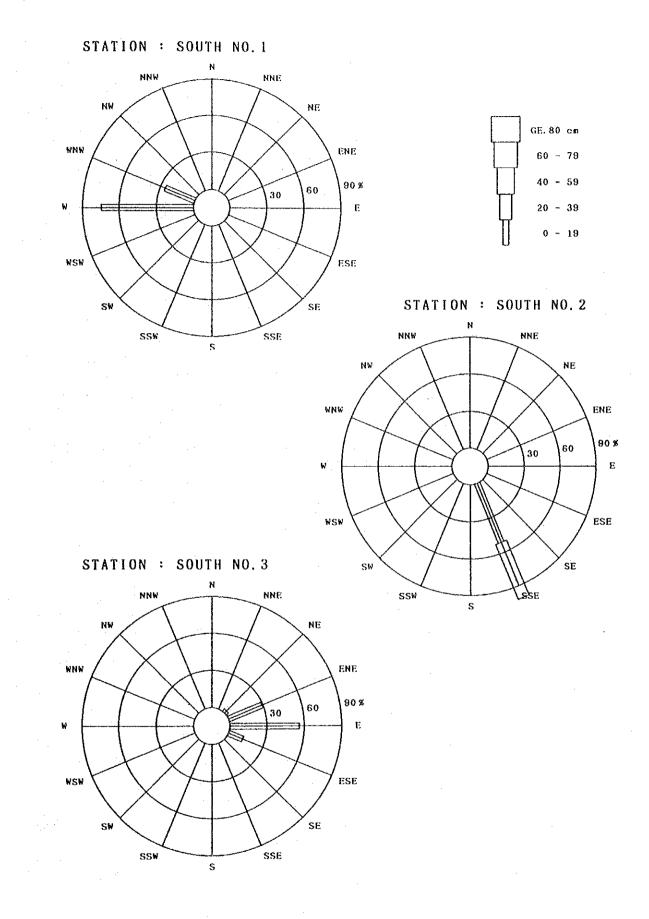
West Coast (West No. 1 ~ No. 3) (4)

Figures 2.18(1) to 2.22 represent the distribution of wave and current based on the observed records on the west coast. The station of No. 1 and No. 2 located near the existing seawall and the station of No. 3 located at the position of 16 meters depth and about 500 meters far from Male' Island. Due to the calm sea condition during the observation period, the observed wave heights are 20 cm to 30 cm. Judging from the long wave period of about 10 seconds and the incident direction from the south at the station of No. 3, the wave is thought to be a refracted and diffracted swell propagating from the Indian Ocean.

The offshore current on the west coast flows predominantly in the south west (SW). The currents occurred near the seawall, however, are classified roughly into two predominant components; one is the southern south west (SSW) component and the other is the north (N) or the northern north east (NNE) component. The maximum velocity observed during this period is 28.6 cm/sec at No. 1, 24.5 cm/sec at No. 2 and 39.9 cm/sec at No.3. Judging from the vector of current and the fluctuation of sea level, the significant current on the west coast is thought to be not a nearshore current but a tidal current.

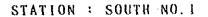


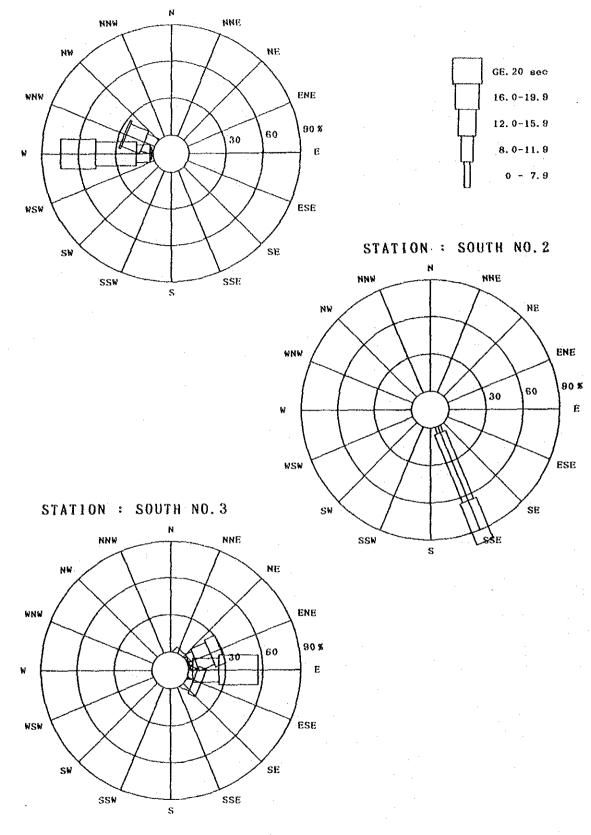




OCT. 2 1991 - OCT. 10 1991 SOUTH SIDE

Figure 2.14 WAVE HEIGHT ROSE

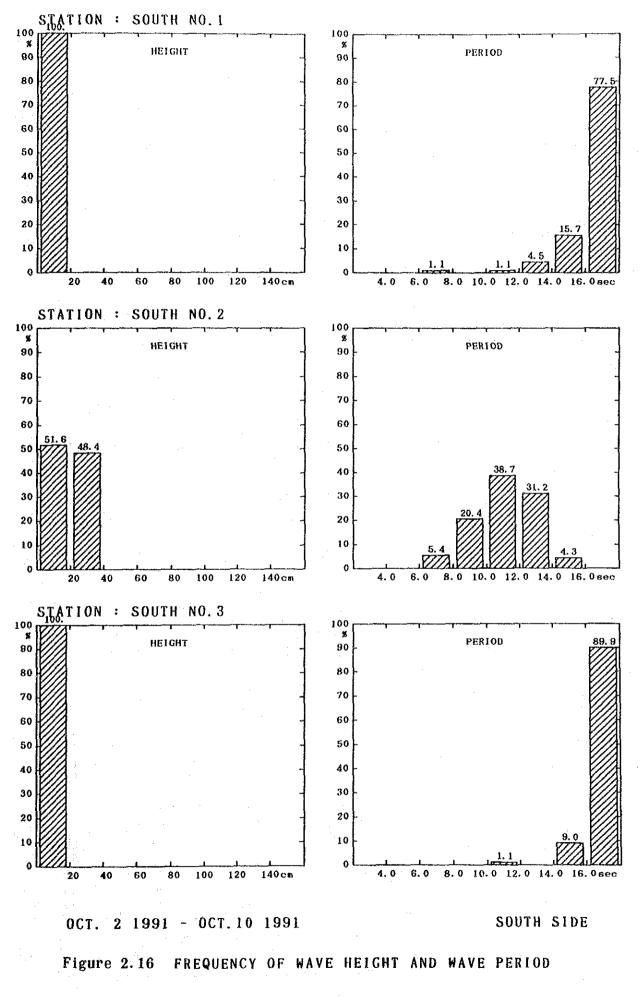


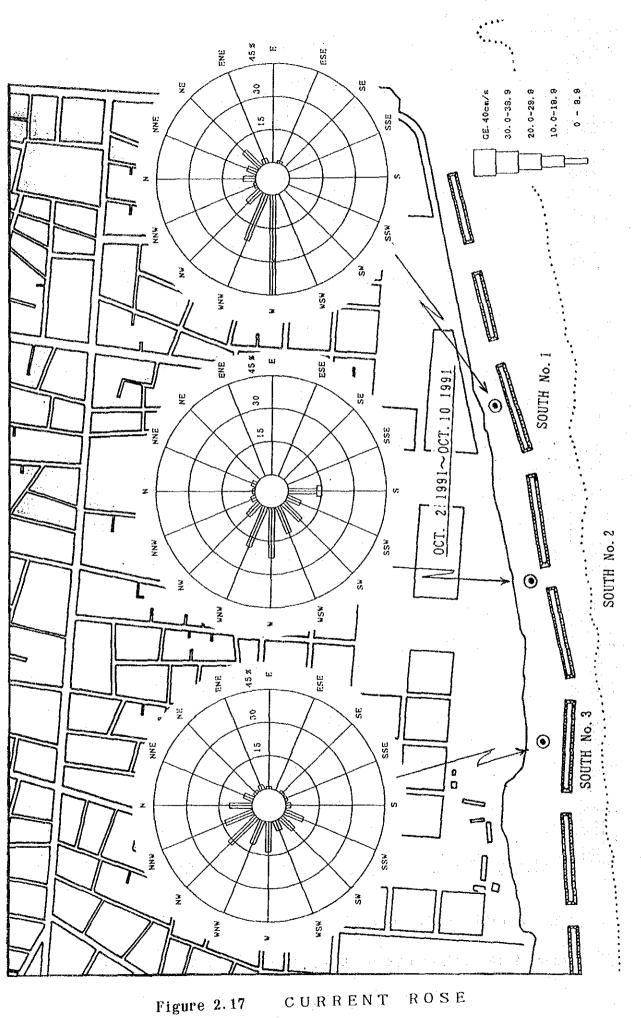


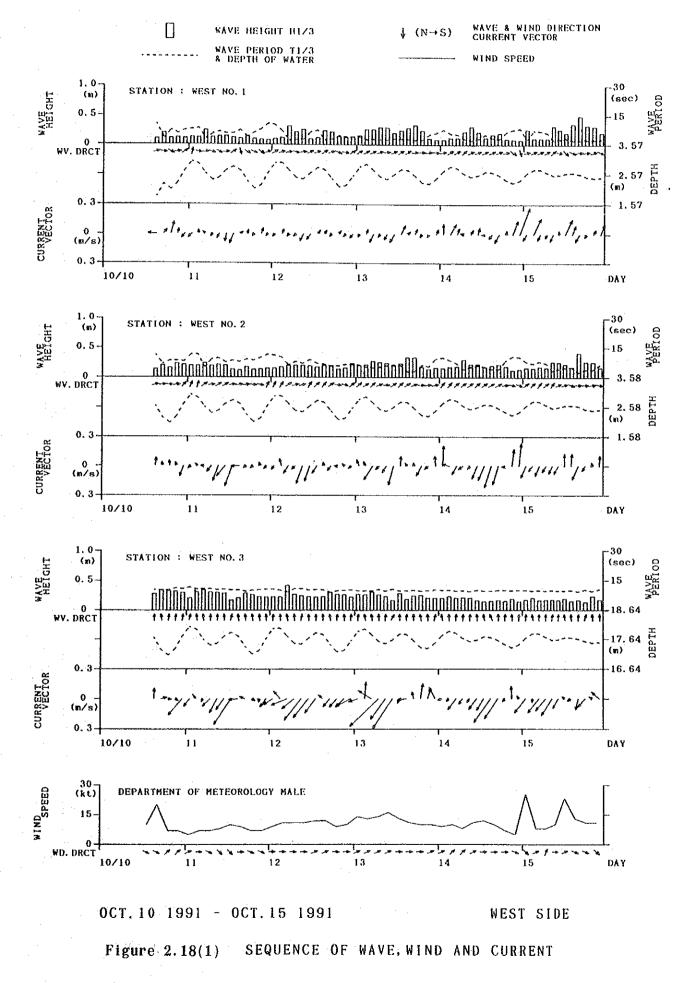
OCT. 2 1991 - OCT. 10 1991

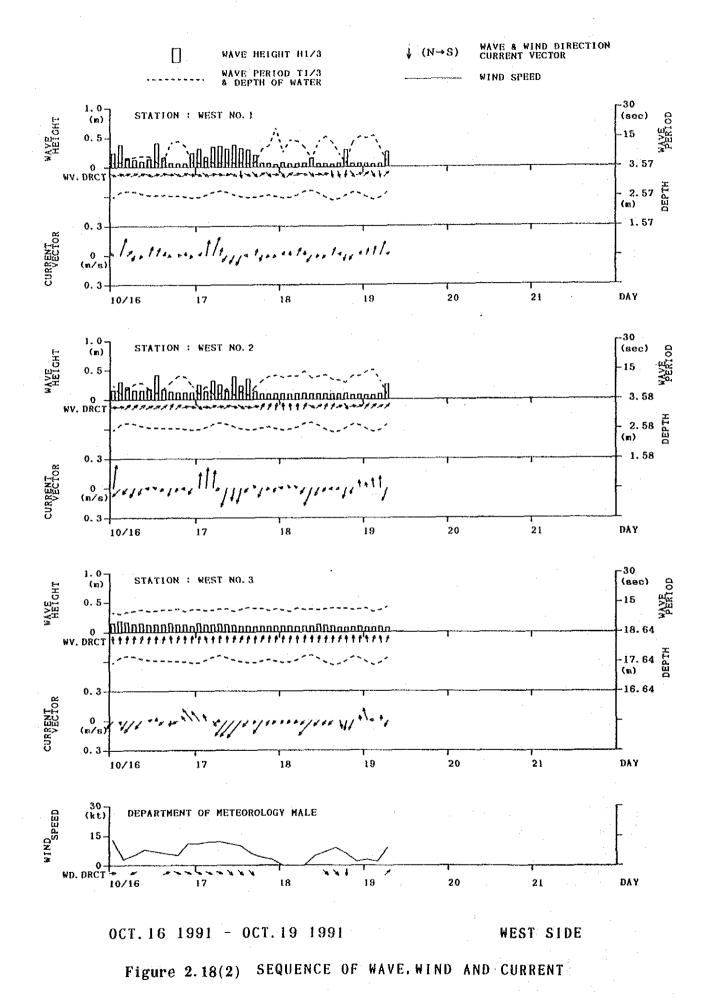
SOUTH SIDE

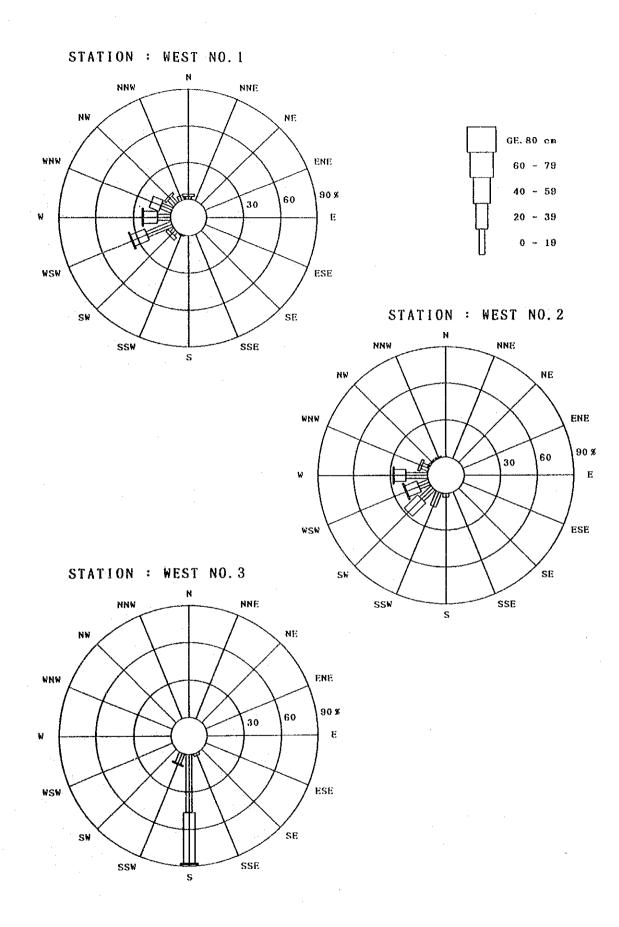
Figure 2.15 WAVE PERIOD ROSE







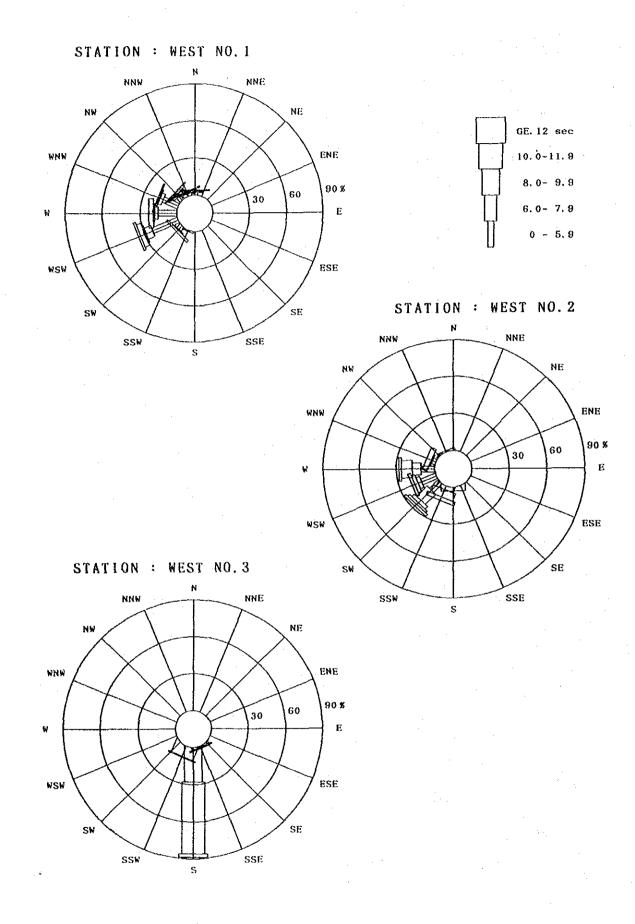




OCT.10 1991 - OCT.19 1991

WEST SIDE

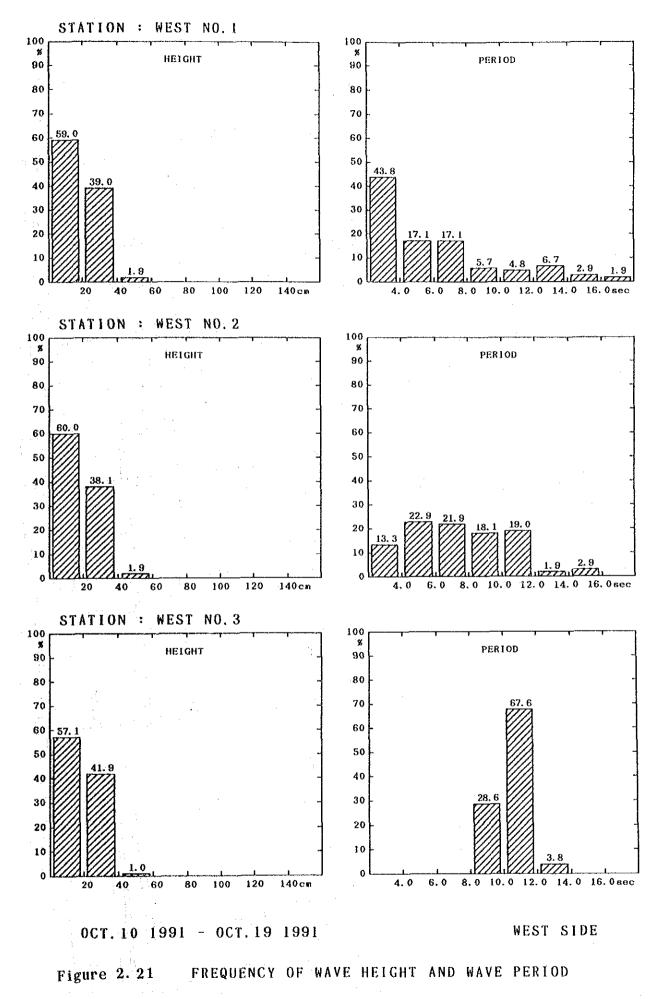
Figure 2.19 WAVE HEIGHT ROSE

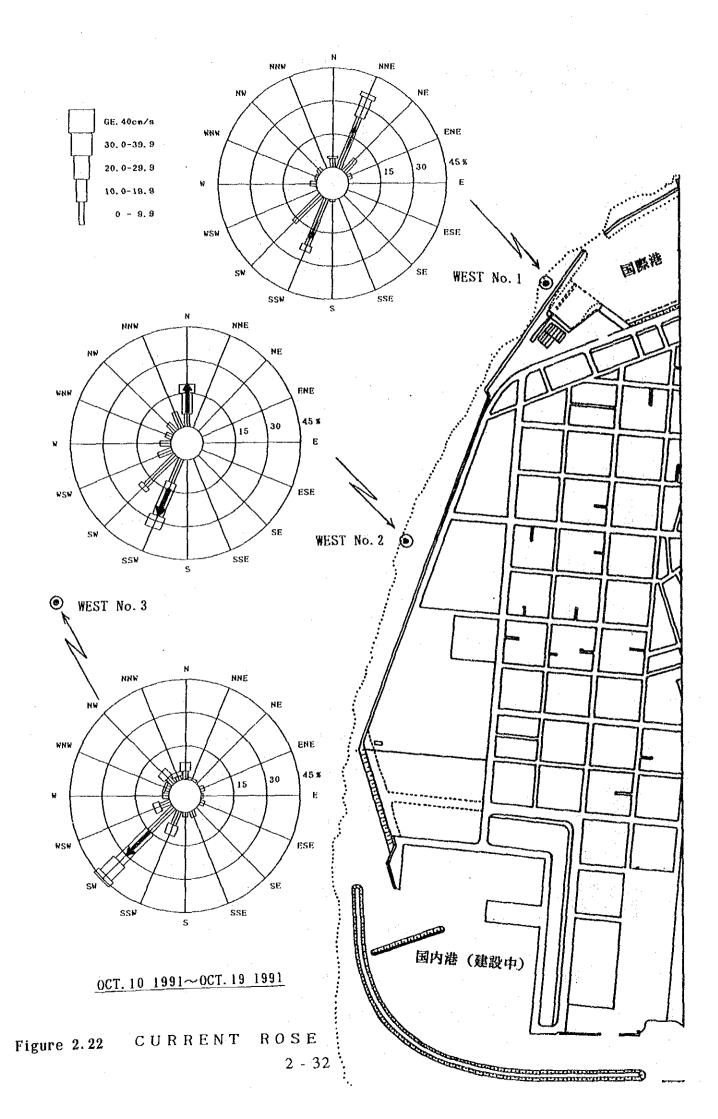


OCT.10 1991 - OCT.19 1991

WEST SIDE

Figure 2.20 WAVE PERIOD ROSE





TABLE

(Observation Period : September 1991 ~ October 1991)

- 1. Frequency of Wave Height and Wave Period
- 2. Frequency of Wave Height and Wave Direction
- 3. Frequency of Wave Period and Wave Direction
- 4. Frequency of Current Velocity and Current Direction

STATION : EAST NO. 0

SEP. 24	1991 - OCT. 15	1991	· .	· .
				112 A. 114 A.

PERIOD	~	2.0~	4.0~	6.0~		10.0~		14.0~		18.0~	20.0~ sec	TOTAL
HEIGHT	1.9	3.9	5.9	7.9	9.9	11.9	13.9	13.9		13,3		
~ 19	~	-	-	–		· _	-	-	-			-
				_	3	2 0.8	0.4					6 2.4
20~ 39					<u>1.2</u> 64	51	10	1				126
40~ 59		-	-	_	25.2	20.1	3.9	0.4	-			49.6
60~ 79		-			$10 \\ 3.9$	2.8	2.8	0.4	-	-	· _	25 9.8
00~ 19					29	12	5	1				47
80~ 99	_	_	- 1	-	11.4	4.7	2.0	0.4			· 4	18.5
00 - 33					9	24	4					37
100~119	_ 1			÷ (3.5	9.4	1.6	-	-			14.6
100 115					1	11	1					13
120~139	~``	-	_	-	0.4	4.3	0.4					5.1
140~159		-	_	-					~~			
160~179				-		-	-	-	-	-	· _	
100 173	· · · · · · · · · · · · · · · · · · ·					[_
180~199	-	-	-	-								
200~ cm	-	-	-	-	-	-		-	· =	-	-	
					116 45.7	107 42.1	28 11.0	3		_		254 100, 0
TOTAL NUMBER O NUMBER O	F OBTA F NOT	INED DA OBTAINE		254 (1 0				<u></u>	UPPER LOWER		ER OF T)	

FREQUENCY OF WAVE HEIGHT AND WAVE PERIOD

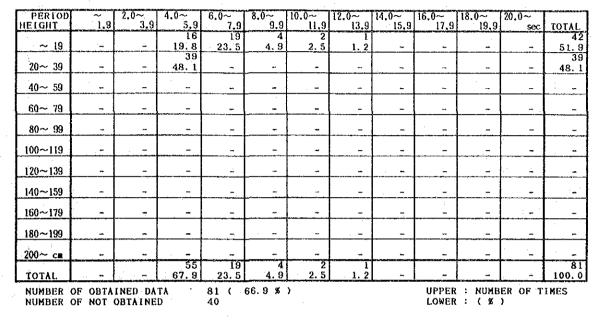
SEP. 22 1991 - OCT. 2 1991

STATION : EAST NO. 1

PERIOD	ĩ.9	2.0~ 3.9	4.0~	6.0~ 7.9	8.0~ 9.9	10.0~	12.0~	14.0~ 15.9	16.0~ 17.9	18.0~ 19.9	20.0~ sec	
~ 19	-	2 2. 7	33 44.6	8 10.8	4 5.4	-	-	-	-	-		4 63.
20~ 39		3 4.1	21 28. 4	3 4.1	_	-		-	-			2 36.
40~ 59	_ ·	-	-	-		-		-		~		
60~ 79	-		-	-	<u>~</u>	· · · ·		<u> </u>			-	
80~ 99	-		-	-			·					
100~119	-			_				_			· -	
120~139					<u>_</u>							
140~159	-	-		-	-	-			-			
160~179		-			-				-			
180~199												
200~ c#			<u> </u>	<u> </u>				<u> </u>				
TOTAL	-	5 6.8	54 73.0	14.9	4 5.4	_		-				1.00.

SEP. 22 1991 - OCT. 2 1991

STATION : EAST NO. 2

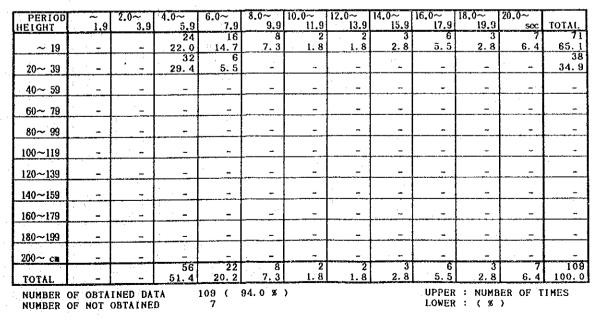


TABLE

FREQUENCY OF WAVE HEIGHT AND WAVE PERIOD

SEP. 22 1991 - OCT. 2 1991

STATION : EAST NO. 3



STATION : SOUTH NO. 1

OCT. 2 1991 - OCT. 10 1991

:

													لمحبوه
	RLOD	~]	2.0~	4.0~ 5.9	6.0~ 7.9	8.0~ 9.9	10.0~ 11.9	12.0~	14.0~	16.0~ 17.9	18.0~ 19.9	20.0~ sec	TOTAL
HEIO	<u>iHT</u>	1.9	3.9	5.3	<u> </u>	0.0	<u> </u>	4	14	29	14	26	89
· -	~ 19	- 1	-	_	<u>ı. i</u>		1.1	4.5	15.7	32.6	15.7	29.2	100.0
20-	~ 39	-	~	-	-				-				
	~ 59		_	_	1		-	· -	-		<u>_</u>		
	~ 79	_		_	-	-	-	· _			_		
-	~ 99			-	-		-	_					
	~119			-	_	-	-	-		·			
	~139	_				-	-	_ `			<u> </u>		
1	~159			-	-	-	-				<u> </u>		
	~179				-	_	-	-			<u> </u>	-	
F	~199			-	-	-	~	-				-	
	~ C#				-	_	-	-	-				
[FAL	-	-	-	1.1		1	4,5	14 15.7		14 15.7	26 29.2	89 100.0
NU	ABER	OF OBTA OF NOT	INED DA OBTAINE	TA D	89 (4	95.7 🗴)			UPPER		BER OF T	INES

FREQUENCY OF WAVE HEIGHT AND WAVE PERIOD

STATION : SOUTH NO. 2

OCT. 2 1991 - OCT. 10 1991

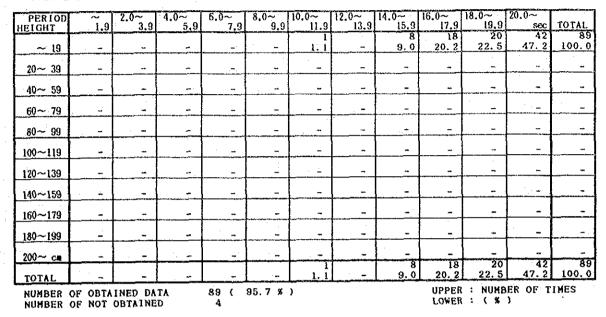
.

PERIOD	ĩ.9	2.0~	4.0~	6.0~ 7.9	8.0~	10.0~	12.0~ 13.9	14.0~ 15.9	16.0~ 17.9	18.0~ 19,9	20.0~ sec	TOTAL
EIGHT	1.9			4	10	22 23. 7	12 12.9				_	48
~ 19	_ <u>_</u>			4.3	<u>10.8</u> 9	14	17	4				<u>51.6</u> 45
20~ 39				1.1	9.7	15.1	18.3	4.3				48.4
40~ 59	-		-								-	
60~ 79	-											
80~ 99			_					<u>_</u>				-
00~119	_	-	-				-			· <u> </u>		
20~139		-	-			-	_		-			
40~159	-	-	-				-			<u> </u>		-
60~179												-
80~199	-	u+	-					<u> </u>	-		<u>,</u>	· · · -
200~ cm	-	-	-	-		-	-		-			
TOTAL	-	-		5 5.4	19 20, 4	36 38.7	29 31.2	4.3		<u> </u>		93 100. (

OCT. 2 1991 - OCT. 10 1991

.

STATION : SOUTH NO. 3



FREQUENCY OF WAVE HEIGHT AND WAVE PERIOD

OCT. 10 1991 - OCT. 19 1991

STATION : WEST NO. 1

PERIO	b l ~	2.0~	4.0~	6.0~	8.0~	10.0~	12.0~	14.0~	16.0~	18.0~	20.0~	
HEIGHT	1,9	3.9	5.9	7.9	9,9	11.9	13,9	15.9	17,9	19.9	Sec	TOTAL
~ 19		3 2.9	18 17.1	18 17, 1	6 5.7	5 4.8	7 6.7	3 2,9	1.0	1 1.0	-	62 59.0
	1	41				<u>```</u>	~			_		41 39.0
20~ 39		<u>39.0</u> 2	···							<u>-</u>		33.0
40~ 59	<u> </u>	1.9		-								1. 9
60~ 79	-			-	-	-	-	-	-	-	-	~
80~ 99			-	~	-	-	÷ _	_	-	_	-	_
100~119	-	-	. –	-	-	-	_					
120~139	_	_	-	<u>-</u>	-	_	-				-	
140~159		~	_	~		-	-	<u></u>	-	_		
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FREQUENCY OF WAVE HEIGHT AND WAVE PERIOD

OCT. 10 1991 - OCT. 19 1991

STATION : WEST NO. 3

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SEP. 22 1991 - OCT. 2 1991

STATION : EAST NO. 2

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DIRECTION	
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STATION : WEST NO. 2

OCT. 10 1991 - OCT. 19 1991

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UPPER : NUMBER OF TIMES LOWER : (%)

74 (52.7 %) 44

NUMBER OF OBTAINED DATA NUMBER OF NOT OBTAINED

STATION : EAST NO 2

TOTAL	١		55 67.9	23, 5	4.9 4.9	2.5	1.2	1	1	ł	1	100.01 100.01	TIMES	ς.	TOTAL	1	•]	56 51.4	20.2	7.3	1.00	1.82	2.83	5, 5 5	2. 8 J	6.4	9 100. 0
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ω z	:1	. 1	1	1	- 1	1		1	ŧ		•	1	OBTAINED DATA NOT OBTAINED	OCT. 2	ы х	· · ·	1	•	,	1	1			1	1	1	
NNE	1	1	1	1	1	-			t	1	·. 1	1	OF OBTA	1991 -	NNE		1	1	1	1	1	1	1	1	1	•	
DIRECT PERIOD	~ 1.9	2.0~ 3.9	4.0~ 5.9	6.0~ 7.9	ന	-	12.0~13.9	14.0~15.9	16.0~17.9	18.0~19.9	20.0~ sec	TÓTAL	NUMBER ON NUMBER O	SEP. 22	DIRECT	~ 1.9	2.0~ 3.9	4.0~ 5.9	1	ത	10.0~11.9	12.0~13.9	14.0~15.9	16.0~17.9	18.0~19.9	20.0~ sec	

, 29 , 29 15.7 26 20.4 36 38.7 38.7 29 31.2 4.3 100.0 5.4 4.5 TOTAL ø 88 41 TOTAL 100. 31. 29. 2 32. UPPER : NUMBER OF TIMES LOWER : (%) TIMES STATION : SOUTH NO. 2 STATION : SOUTH NO. 1 UPPER : NUMBER OF LOWER : (%) ı z Z, MNN ŧ ı ŧ 3NN i 3 Z ł ı ı ı 1 1 3 2 14.6 ്ററ 2 1 1 ı, 3N8 1 t MNM 50 20 ł ň 7.9 16.0 13.0 13.0 25 90 3 マ 1 ı. ł 1 5 1 74. ١. 3 28. з з . ŧ ı NSM MSM N. 1 ł ī , h з Ś SSW SSW t . 1 ı. . 1 n Ś 19 20.4 31.2 4 94 93 100.0 4 36 ŧ \$ SSE 38. SSE ൎ 1 1 t I t 1 r ÷. ŵ 1 ш Ś S 93 (100.0 %) 0 95.7 x ï 1 E S E S E t 1 i. ŧ ŧ 1 t ı, \$ ı. い こ ŧ ı , I 1 1 1 ı T ı 1 1 ω ω 8 6 7 ВNВ ł 1 ŧ. 1 ı ۴ 1 T, ENB I. 2 1991 - OCT. 10 1991 OCT. 2 1991 - OCT. 10 1991 NUMBER OF OBTAINED DATA NUMBER OF NOT OBTAINED NUMBER OF OBTAINED DATA NUMBER OF NOT OBTAINED : I. 1 ш I. ι ω 1 i. z. z NNE ωNN DIRECT ~ 1.9 DIRECT 12.0~13.9 14.0~15.9 16.0~17.9 18.0~19.9 ~ 1.9 10.0~11.9 12.0~13.9 14.0~15.9 16.0~17.9 18.0~19.9 2.0~ 3.9 4.0~ 5.9 6.0~ 7.9 8.0~ 9.9 10.0~11.9 20.0~ sec 2.0~ 3.9 4.0-5.9 6.0~ 7.9 8.0~ 9.9 20.0~ sec OCT. TOTAL TOTAL

PERIOD AND WAVE DIRECTION

FREQUENCY OF WAVE

STATION : SOUTH NO. 3

OCT. 2 1991 - OCT. 10	•
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10	OCT. 10 1991 -	- OCT. 19 1991	1991											ST	STATION : WEST NO.	N LSBN	0.1
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t																	I

12.1 <u>00</u> -4 105 3.8 100.0 17. ທ່ 4 ശ് 2. 4 UPPER : NUMBER OF TIMES LOWER : (%) 1 0 -' 0 ł t ł 1 1 0 17 1 -0--3. 8 3. 8 -0 --. ı, ŧ 1 - 0 ----8.6 8 40 <u>م</u> ہ ŧ ŧ t ŧ 4.8 3.9 2.9 1.0 1.0 19 18.1 Ť ı 4 ı i. - 0 - -- 0 F ოთ -24 22.9 33 ოთ 1 F i. ŝ 2. ~ 5.7 5.7 - 0 - -3.84 37 35. 2 രാശ 0 N ι t ł ŧ r ÷ 6.7 1.0 1.0 - 0 - 1 - 0 - ł 1 1 ł 1 - 0 - 1 -0 -r 1 1 ŗ ı t I ţ ł ŧ 1 1 1 ı ı ł 1 ı. 1 ł 1 ŧ ı. ī ı 1 £ 5 ł ī ŧ 1 ı : 105 (100,0 %) ۰. ı, ı ł ı 1 1 t ī ł ı ı ŧ ł ł 1 t i 1 ı - 6 5 ı ı ı 1 1 NUMBER OF OBTAINED DATA NUMBER OF NOT OBTAINED 1 I ı 1 ı ı ŧ t ł ı ī ı ı t 4.0~ 5.9 6.0~ 7.9 8.0~ 9.9 10.0~11.9 12.0~13.9 14.0~15.9 16.0~17.9 18.0~19.9 20.0~ sec TOTAL ā. I

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STATION : EAST NO. 0

SEP. 24 1991 - OCT. 15 1981

1 8 1 8 0 1 9 0 0 1 1 1 2 6 0 1 1 1 1 1 2 0 0 1 1 1 <th>ESE S E</th> <th>SSE S</th> <th>S MSS</th> <th>MSM M</th> <th>3</th> <th>N WWW</th> <th>MNN 3</th> <th>z</th> <th>TOTAL</th>	ESE S E	SSE S	S MSS	MSM M	3	N WWW	MNN 3	z	TOTAL
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1 0 2 5 <td>5</td> <td></td> <td>0.4</td> <td>2 8 2.</td> <td>6</td> <td></td> <td>4 11</td> <td> </td> <td>64 25.2</td>	5		0.4	2 8 2.	6		4 11	 	64 25.2
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SEP.22 1991 - OCT. 2 1991

STATION : EAST NO. 1

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10.00~14.99	,	1.4	1.4	,	•	. ,		,	1	3	'	1	1	1	1	ŀ	2.7
15.00~19.99	,	•	2.7	,	1.4	'	ŀ	1	· •	1	· 1	1	1	1	ŀ	1. 4 1. 4	0. 4 4
20.00~24.99		1			 1	•	1	٠	,	1	- 1	1	1	ŀ	,	5.8 6.8	6.8
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30.00~39.99		1	1		t			,	1	,	-	3	1	1	•	33 44.6	33 44.6
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SEP. 22 1991 - OCT. 2 1991

STATION : EAST NO. 2

SEP. 22 1991 - OCT. 2 1991

STATION : EAST NO. 3

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OCT. 2 1991 - OCT. 10 1991

STATION : SOUTH NO. 1

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OCT. 2 1991 - OCT. 10 1991

STATION : SOUTH NO. 2

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OCT. 2 1891 - OCT. 10 1891

STATION : SOUTH NO. 3

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15.00~19.99	1		•		-	t		•	•	•		•	-			-	'
20.00~24.99	1	1	•	1	1	ŧ	.1	1	1	•	T		•	1	•	۱	,
25.00~29.99	-	1	1	•	1	1	-	,	•	-	1	·	1			1	
30,00~33,99	-		3	1	-	•		•	,		1	•		1	1	1	
40.00~49.99	1	1	-	. 1	1	,	1	'	•		1		1	1		1	
50.00~59.99	•	1	1	1	•	1	-	1		t	5		1	1	1	-	
50.00~59.99	1	1	ŧ	•	1	- 1	,	'	1	•			1	-	'	'	'
70.00~ cm/s		1		1	1		•			J		L.	•	1	1	•	1
TOTAL	4.5	10.1	2.2	- -		1	1	'			3	40 44.9	20 22.5	7.8	1.1	5.5	89 100.0
ER OF ER OF	OBTAIN NOT OE	NUMBER OF OBTAINED DATA NUMBER OF NOT OBTAINED		89 (8	95.7 X)									LOWER :	NUMBER	NUMBER OF TIMES (\$)	(ES

STATION : WEST NO. 1

~ 4.33 7.6 5.7 ~ 4.33 7.6 5.7 $\sim 10^{-2}$	ENE	ш	ESE	SE	SSE	s	NSS	3 S	MSM	8	BNB	3 X	NNN	ž	TOTAL
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		1	- 1	1	- 1	1.0	17 16. 2	3.8	•	1.0	•	1	-	'	41.0
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30.00~39.39	1	1	•	1	. 1					•			-	-	1
40.00-49.39	· •	1	.,	· •	1	1			1	•	•	•	-	1	1
50.00~59.39	-	. 1	•		1	1		1	1		1	1	•	1	: 1
80.00-69.39	•		•	1	1	•			1	1		•	1	'	"
70.00~ cm/s	-	1		•		1	1		'	1	1	1	'	'	'
38 38 8 36.2 7.6	6 1.9 6 1.9	1		ľ	1	1. 0 1.	25.7	17.1	•	2.9	1.0	1 8	١	4.8	100.0

100101 1001

STATION : WEST NO. 2

TOTAL	2 35 9 33.3	4 31 8 29.5	7 18.1	3 10 9 9.5	4 10 8 9.5	-	1	-	1	1		20 100.0	OF TIMES
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3	3.8	1, 0	1	,	ŀ	1		ſ	,	,	T	4.8	
MSM	5.7	1:0	•	-	1	•	1	•	1	1	1	6. 7	
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DIRECT VELOCITY	~ 4.99	5.00~ 9.99	10.00~14.99	15.00~19,99	20.00~24.99	25.00~23.99	30,00~39,99	40.00~49.99	50.00~59.99	60.00~59.99	70.00~ cm/s	TCTAL	NUMBER OF ORTAINED DATA

OCT. 10 1891 - OCT. 19 1991

STATION : WEST NO. 3

VELOCITY	SN5	ш z	ENE	Ш	ESE	ы v	SSE	S	SSW	s ¥	MSM	×	ANA		NNK	z	TOTAL
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5 00 2 0 90	,	1					1.92	 	33	10.5	1, 9	1.8	1.01	5 8 3 7	1° -1	1. 9 1. 9	28 26.7
10.00~14.99	1.0				. '					11 10.5		1 31	'	2. 9 2. 9		1. 9 1. 9	24 22.9
15.00~19.99		'	. 1	'	,			•	101	8.6 8.6	1.8	,	1.0	1.0	1	1.9	16 15.2
20 00~24 99		1	1	,	,		'	 1	٢	5,7	1	,	١	1	•	1	s.
25.00~29.99	ſ		•	•	'			3	1	3 2,9	'	,	-	1	ľ	1	2.
30.00~39.99	•		1	1	1	1		1	•	3 2.9	T	3	1	4	,	;	2.9 2
40.00~49.59	,	,	1	1	•	1		••••• •	٩	.1	1	,	F	. 1		'	ľ
50.00~59.99	•	1	•	•	1		3	ı		1	•	,	\$	1	1	'	'
60.00~69.99		1	1	ı	'	. 1	•	1	•	•	,	,	1	ı	'	'	'
70.00~ cm/s	1	. 1	•	1		•		i	· .		ł	,	1	1	1	,	'
TOTAL		1	1.8	1.0	1. 9 1	1	2.9	1, 8	11.4	45.7	7,6	2.8	2.9	7.6	3.8	7.6	100.0
NUMBER OF OBTAINED DATA	OBTAI	NED DAT		105 (100	100.0 %)									UPPER :	NUMBER	OF TIMES	IES

DAILY REPORT

OF

WAVE OBSERVATION

EAST	NO. 1	24th Sep. ~ 15th Oct. 1991
EAST	NO. 1 ~ NO.3	22th Sep. ~ 2nd Oct. 1991
SOUTH	NO. 1 ~ NO.3	2nd Oct. ~ 10th Oct. 1991
WEST	NO. 1 ~ NO.3	10th Oct. ~ 19th Oct. 1991

0	DEPTH OF WATER (M)		20. 13 19. 886 20. 13. 13. 13. 13. 13. 13. 13. 13. 13. 13	DEPTH OF WATER (M)	20,68 20,68 20,42 20,14 20,56 10,83 20,56 20,56 20,98 20,98 20,98 20,98 20,98 20,98 20,98 20,98 20,98 20,98 20,070 20,070 20,0000000000	DEPTH OF WATER (M)	20, 64 20, 64 20, 64 20, 09 20, 00 20, 09 20, 09 20, 09 20, 09 20, 09 20, 09 20, 09 20, 09 20, 09 20, 00 20, 000 20, 000 20, 000 20, 0000000000
: EAST NO.	CURRENT DIRECTION (DEG) (16D1R)		188.8.	CURRENT DIRECTION (DEG) (16D1R)	240 (WSW) 252 (WSW) 78 (WSW) 260 (W) 260 (W) 1111 (ESE) 327 (NNW) 327 (ENE) 327 (SW)	CURRENT DIRECTION (DEG) (16D1R)	246 (WSW) 258 (WSW) 258 (WSW) 258 (WSW) 2516 (SWW) 250 (WSW) 250 (WSW) 256 (
STATION	CURRENT VELOCITY (CM/S)		30, 25 24, 89 11, 96 12, 00 13, 34	CURRENT VELOCITY (CM/S)	22 22 22 22 22 22 22 22 22 22 22 22 22	CURRENT VELOCITY (CM/S)	2412 2412 2412 2412 242 242 242 242 242
	WAVE DIRECTION (DEG) (16DIR)		142 (SSE) 148 (SSE) 137 (SSE) 138 (SE) 138 (SE) 131 (SE)	WAVE DIRECTION (DEG) (16D1R)	137 138 138 138 138 138 138 138 138 138 138	WAVE DIRECTION (DEG) (16DIR)	1138 144 (S S C C C C C C C C C C C C C C C C C
•	NUMBER OF WAVES	8 4 5 7 7 4 4 9 8 9 9 9 9 9 9 7 8 9 9 9 9 9 9 9 7 8 9 9 9 9 9 9 9	NOPPO	NUMBER OF WAVES	14111111111 0000111110010 0070401400000	NUMBER OF WAVES	
	MEAN WAVE H (CM) (SEC)		• • • • • •	MEAN WAVE H T (CM) (SEC)	337 10. 3356 110. 3356 110. 3356 110. 3356 110. 3356 110. 3356 110. 3356 110. 356 110. 11. 10. 10. 356 110. 356 110. 357 110. 356 110. 356 110. 357 110. 358	MEAN WAVE H I T (CM) (SEC)	88888888888888888888888888888888888888
	L/3 WAVE H (CM) (SEC)		00000	L/3 WAVE H T (CM) (SEC)	44451 44451 44451 44451 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10	L/3 WAVE H T (CM) (SEC)	447 10.2388886 10.348 447 10.338888 10.34 447 10.33888 10.35 10.3388 10.3388 10.3388 10.338 10.2388 10.238 10.2388 10.238 10.2388 10.238 10.2388 10.238 10.2388 10.238 10.2388 10.238 10.2388 10.238 10.2388 10.238 10.2388 10.2388 10.238 10.23888 10.2388 10.2388 10.2388
• •	I/10 WAVE 1 H T (CM) (SEC) (000000	H AVE L H T CM) (SEC) (76 76 76 76 76 76 76 76 76 76	1/10 WAVE 1 H T (CM) (SEC) 0	
1991	WAVE T (SEC)	***	400000 10000 110000 110000	1991 K. WAVE I M) (SEC) (6 8 8 9 9 2 1 1 1 0 0 0 0 9 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1991 MAX, WAVE 1 H T (CM) (SEC) (00000000000000000000000000000000000000
SEP. 24	MAX. OBS. H TIME (CM)	N 700008	100000	SEP. 25 MA OBS. H TIME (CI	0.200210100200278	SEP. 26 MA OBS. H TIME (C	0400004000004

STATION : EAST NO. 0

SEP. 27 1991

	DEPTH OF WATER (M)	200 60 200 60 200 58 200 58 200 58 200 59 200 59 200 58 200 58 20	:	DEPTH OF WATER (M)	20.22 20.50 200.55 200.05 200.05 200.24 200.24 200.25 2000		DEPTH OF WATER (M)	2200 200 200 200 200 200 200 200 200 20
	CURRENT DIRECTION (DEG) (16DIR)	2556 (WSW) 2555 (WSW) 2555 (WSW) 2554 (WSW) 2555 (WSW) 855 (WSW) 305 (NW) 305 (NW) 2552 (WSW) 2552 (WSW) 2552 (WSW) 2553 (WSW) 2553 (WSW) 2555		CURRENT DIRECTION (DEG) (16DIR)	70 (ENE) 69 (ENE) 652 (ENE) 2654 (WSW) 2654 (WSW) 2654 (WSW) 2654 (WSW) 2655		CURRENT DIRECTION (DEG) (IGDIR)	2232 864 864 864 865 865 862 862 862 862 862 862 862 862 862 862
	CURRENT VELOCITY (CM/S)	254.58 254.68 254.68 254.88 255.38 255.38 255.38 255.21 25		CURRENT VELOCITY (CM/S)	18, 22 6, 67 7, 53 1, 59 1, 59 6, 60 2, 80 2, 80 2, 80 1, 86 1, 86 1, 86 1, 86 1, 86 1, 86 2, 13 1, 86 1, 86 2, 13 1, 86 1, 86 2, 13 1, 86 2, 13 1, 87 2, 13 1, 20 1, 20	. *.	CURRENT VELOCITY (CM/S)	41 9,9,2,9,9,1,6,9,5,5,9,5,5,9,5,5,9,5,5,9,5,5,5,5,5,5
	WAVE DIRECTION (DEC) (16DIR)	141 (S E) 144 (S E) 148 (SSE) 143 (SSE) 143 (SSE) 133 (S E) 151 (SSE) 151 (SSE) 144 (SSE) 151 (SSE) 151 (SSE) 144 (SSE) 151 (S		WAVE DIRECTION (DEG) (16D1R)	132 (S) 132 (S) 133 (S) 133 (S) 133 (S) 133 (S) 134 (S		WAVE DIRECTION (DEC) (16DIR)	B B B B B B B B B B
	NUMBER OF WAVES	113 100 100 100 100 100 100 100 100 100		NUMBER OF WAVES			NUMBER OF WAVES	1120 1120 1115 1115 1115 1113 113 113 113
	MEAN WAVE H (CM) (SEC)	40.000 0.0000 0.0000		MEAN WAVE H T (CM) (SEC)	22 23 23 23 23 23 23 23 23 23 23 23 23 2		MEAN WAVE H T (CM) (SEC)	86 86 87 86 86 87 86 87 87 87 87 87 87 87 87 87 87
	L/3 WAVE H (CM) (SEC)	44150 44454 44154 4416 1000 44142 1000 441 1000 440 440 440 440 440 440 4		L/3 WAVE H T (CM) (SEC)	ດ		1/3 WAVE H T (CM) (SEC)	C 80 C 84 C 44 C 44 C 44 C 44 C 44 C 44
	1/10 WAVE LA	888 1888 988 988 988 988 988 988 988 988		1/10 WAVE L H (CM) (SEC) (60100000000000000000000000000000000000		I/10 WAVE 1 H T (CM) (SEC) (ೲೲೲೲೲೲೲೲೲೲೲೲೲೲೲೲೲ ೲೲೲೲೲೲೲೲೲೲೲ ೲಁಁಁಁೲೲೲೲೲೲ
100	WAVE T (SEC)	900 900 900 900 900 900 900 900 900 900	1.66	WAVE T (SEC)	င်းတွင်တွင်ငံတွင်ပွဲတွင်တွက် ဗလဗဗမမာလလလာ-စစ	1991	WAVE T (SEC)	လ - မဝ - ၄ လ လ မ - ဝ - န ပ မှ င့် ဗု ဗ္ ဗ္ ဗ္ ဗ္ ဗ္ ဗ္ ဗ္ န ဗ မ စ စ စ စ စ စ စ စ စ စ ဝ - င န ဗ မ စ စ စ စ စ စ စ စ စ စ စ စ စ စ
SEP. 27 1	OBS. MAX. CBS. H TIME (CM)	4408044080440 4400808040080440 7400808080400 7400808080400 74008080400	SEP. 28 1	OBS. MAX. OBS. H TIME (CM)	04000400000000000000000000000000000000	SEP. 29 1	OBS. H CBS. H TIME (CM)	22228542558042

STATION : EAST NO.0

DEPTH OF WATER 220.22 20.22 2 £ CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (16DIR) 21. 46 115. 23 115. 23 116. 23 14. 02 14. 00 WAVE DIRECTION (DEG) (16DIR) 136 136 137 137 137 137 136 136 136 136 140 140 NUMBER OF WAVES MEAN WAVE I H T (CM) (SEC) (SEC) ava T 1/3 (CH (CM) (SEC) AVE T Г.10 Н 10 СМ) MAX. WAVE H T (CM) (SEC) 1.4000400001400001 1991 001000000110 30 OBS. TIME 840000455588 SEP.

DEPTH OF WATER (M) DEPTH OF WATER ц Ч DEPTH OF WATER (M) ÷ŝ 0 CURRENT DIRECTION (DEG) (16DIR) ò z CURRENT / DIRECTION (DEC) (IGDIR) 2 CURRENT DIRECTION (DEG) (16DIR EAST STATION : VELOCITY VELOCITY (CM/S) (CURRENT VELOCITY (CM/S) (CURRENT VELOCITY (CM/S) (80001800046664 ູ້ພູ + ທ ທ ດ ທ ທ ດ ທ ດ ໜ ທ ດ WAVE DIRECTION (DEG) (ISDIR) WAVE DIRECTION (DEG) (16DIR) WAVE DIRECTION (DEG) (16D1R) $\widehat{\mathbf{a}} \widehat{\mathbf{a}} \widehat{\mathbf{a}}$ ຎຨຎຎຎຎຎຎຎຎ 12389574501440 12389574501440 NUMBER OF WAVES NUMBER OF WAVES NUMBER OF WAVES 0111008133100 0111005813310 0111005813310 2112211100 21122111000 211221111000 211221111000 T (SEC) (SEC) WAVE T (SEC) WAVE WAVE MEAN (CM) H H (CM) MEAN H (CM) 00404444400000 00400004040 WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) လလလန္မာလုပ္ရတ္တတ္လည့္ ကလလန္မမာလတ္ရတ္တတ္လည့္လည္း CH) С^ну S = D 000444400444 **40000000**4044 70000011100100 (SEC) WAVE T (SEC) WAVE I (SEC) ΨAVE Çx Çx Ú.E.C GH 5 14001000010000 0111100001110000 677465564556 WAVE T. (SEC) လင္ဂံတဲ့တဲ့ငံ့ဆဲ့တဲ့အင္ဂံတဲ့တဲ့ငံ့ လ 4 စာ ဝ စာ စာ ဝ စာ ဝ စာ က 4 WAVE T (SEC) WAVE T (SEC) 1661 1991 1991 WX. (CM) HAX. (CM) MAX. N 3 ----OBS. TIME OBS. TIME * 10 0 8 6 7 10 0 8 0 7 10 0 10 0 8 6 7 10 0 8 0 7 10 OBS. TIME 2222664200042 040000400084 0400007400084 SCT. SCT. SCH.

0	DEPTH OF WATER (M)	20,008 20,008 20,002 20,025 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,021 20,022 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,020 20,0000 20,0000 20,00000000		DEPTH OF WATER (M)	20, 21 20, 22 20, 25 20, 20 20, 20, 20 20, 20, 20, 20 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,		DEPTH OF WATER (M)	20, 35 20, 07 20, 07 20, 07 20, 39 20, 39 20, 39 20, 39 20, 39 20, 39 20, 39 20, 39 20, 39 20, 35 20, 35 20
ON : EAST NO.	CURRENT DIRECTION (DEG) (16DIR)	70 (ENE) 81 (E) 70 (ENE) 69 (ENE) 69 (ENE) 502 (ENE) 262 (ENE) 264 (W) 50 (ENE) 50 (ENE) 50 (ENE) 50 (ENE) 50 (ENE)		CURRENT DIRECTION (DEG) (16DIR)	74 (ENE) 65 (ENE) 79 (ENE) 2066 (N W) 2664 (W W) 2254 (S W) 719 (ENE) 719 (ENE) 719 (ENE) 769 (F W) 769 (F W) 710 (F		CURRENT DIRECTION (DEG) (16DIR)	88 81 (10 81 (10 81 (10 81 (10 80 (10 2652 (10 80 (10 2652 (10 2653 (10 2653 (10 2653 (10 2653 (10 2653 (10 2663
STATION	CURRENT VELOCITY (CM/S)	17,66 2,04 2,06 2,08 5,00 2,55 2,55 2,55 3,38 2,55 3,38 3,50 3,50 3,50 3,55 3,55 3,55 3,55 3,55		CURRENT VELOCITY (CM/S)	15.21 4.06 4.06 7.23 5.1 7.10 8.53 4.13 7.12 7.12 8.53 8.53 8.53 8.53 8.53 8.53 8.53 8.53		CURRENT VELOCITY (CM/S)	2.5.3.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.
	WAVE DIRECTION (DEG) (16DIR)	1133 1144 1144 1144 1144 1144 1144 1144		WAVE DIRECTION DIRECTION (DEG) (16DIR)	11111111111111111111111111111111111111		WAVE DIRECTION (DEG) (16DIR)	11111111111111111111111111111111111111
	NUMBER OF WAVES	10000000000000000000000000000000000000		NUMBER OF WAVES	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		NUMBER OF WÅVES	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	HAVE T (SEC)	21111111111111 010202007481		WAVE T (SEC)	1400886868664		WAVE T (SEC)	
	MEAN H (CM)	899999999999999998 8999999999999999999		MEAN H (CM)	8999999999999999999 899999999999999999		MEAN H (M)	8884844888844 88894844888844 88994844
	WAVE T (SEC)	0.22511111111251.003 1122511011251103 11225110111111111111110003		WAVE T (SEC)	1111111111111 110111000000000000000000		WAVE T (SEC)	4 0 0 4 8 4 7 8 7 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8
	Сн) Сн)	44444444644 0770000-00000		1/3 (СМ)	444404444044 0100404444044		1/3 H (CM)	4~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	WAVE T (SEC)	80000000000000000000000000000000000000		WAVE T (SEC)	40111111111111111111111111111111111111		WAVE T (SEC)	444644408656 44464444444 5544444444
	1/10 H (CM)	, , , , , , , , , , , , , ,		1/10 H (CM)	0,000,40,40,000,00 0,000,40,40,000,000,0		L/10 H (CM)	0,000,000,000,000,000,000,000,000,000,
16	WAVE T (SEC)		91	WAVE T (SEC)	00000100048 3220160000048	16	WAVE T (SEC)	00100000000000000000000000000000000000
4 199	МАХ. Н (СМ)	897 897 898 97 97 9 04 1 87 1 87 80 8 9	561 5	мАХ. Н (СМ)	87697499967769 9877799999709 9877799199799	6 19	MAX. H (CM)	11 12 88 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
0CT.	OBS. TIME	040800408004	0CT.	OBS. TIME	040800498004 040800498004	OCT.	OBS. TIME	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

STATION : EAST NO.0

0	DEPTH OF WATER (M)	2212222222 2212222222 21222222222 2122222222	·	DEPTH OF WATER (M)	20.25 20.25	.* *.	DEPTH. OF WATER (M)	2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
DN : EAST NO.	CURRENT DIRECTION (DEG) (16D1R)	25592 25592 25592 25592 25554 25554 25554 25554 25554 25554 25554 25554 25554 25554 25554 25554 25554 255555 255555 25555 25555 255555 25555 25555 25555 25555		CURRENT DIRECTION (DEG) (16DIR)	2551 (ENE) 276 (ENE) 724 (ENE) 724 (ENE) 72 (ENE) 72 (ENE) 7256 (WSW) 72 (ENE) 2556 (WSW) 2556 (WSW) 2558 (WSW) 272 (ENE) 272 (ENE) 272 (ENE)		CURRENT DIRECTION (DEG) (16DIR)	2554 (WSW) 2558 (WSW) 754 (WSW) 784 (ENE) 784 (ENE) 785 (WSW) 725 (WSW) 735 (WSW) 736 (ENE) 736 (ENE) 736 (ENE) 737 (ENE) 737 (ENE) 737 (ENE) 738
STATION	CURRENT VELOCITY (CM/S)	309.65 309.65 309.68 300.68 3000000000000000000000000000000000000		CURRENT VELOCITY (CM/S)	4.08 20.32 23.11 16.16 16.16 16.16 15.53 7.10 7.10 15.58 7.10 15.58 15.58 15.58		CURRENT VELOCITY (CM/S)	8, 20 8, 20
	WAVE DIRECTION (DEC) (16DIR)	146 (S 148 (SSE) 148 (SSE) 148 (SSE) 145 (SSE) 145 (SSE) 143 (SSE) 143 (SSE) 144 (SSE)		WAVE DIRECTION (DEC) (16D1R)	1440 1440 1440 1440 1440 1440 1440 1440		WAVE DIRECTION (DEG) (16D18)	88888888888888888888888888888888888888
	NUMBER OF WAVES	0000000000000000000000000000000000000		NUMBER Of WAVES	000 000 000 000 000 00 00 00 00 00 00 0		NUMBER OF WAVES	1002 1002 1005 1005 1005 1005 1005 1005
	IN WAVE T	00000148800000		AN WAVE T () (SEC)	00000000000000000000000000000000000000		T H T CM) (SEC)	88857 111112 88857 111112 111112 111112 111112 111112 111112 111112 111112 111112 111112 111112 11112 1112 11122 1112 1112 1112 11112 11112 1112 1112 1112 1112 1112 1112 11112 1111
	AVE MEAN T H (SEC) (CM)	8-240-00-02-08 8-240-00-02-08 0-00-02-05 0000-02-05 0000-02-05 00000-02-05 000000-02-05 0000000000		T H EC) (CM)	80744000400780 0070800780780 00202784014258		WAVE ME T H (SEC) (C	
	1/3 WA) H (CM) (S)	88888 1140 10388 1140 1140 1133 1140 1133 1140 1133 1140 1133 1140 1133 1140 1133 1140 1133 1140 1140		L/3 WAT H (CM) (SI	88 1000 1000 1000 1000 1000 1000 1000 1		1/3 WA H (CM) (S	1128 11 117 11 117 11 111 128 11 111 128 11 111 138 11 113 10 113 10 110 110 10 110 10 100 100
	WAVE T (SEC)	117-117-117-117-117-117-117-117-117-117		WAVE T (SEC)			WAVE T (SEC)	12111111111111111111111111111111111111
	1/10 Н (СМ)	88888888888888888888888888888888888888		1/10 H (CM)	00400000000000000000000000000000000000		I/10 H (CH)	1111111111111 8889449999944 949499999444 94949999944949
1991	. WAVE T (SEC)	244112446746444 2442246446444 2442464464444 24424644444444	168	. WAVE T) (SEC)	40.000.0000000000000000000000000000000	168.	X. WAVE T M) (SEC)	
7 1	MAX. H (CM)	10022400224022 1022244400224425 1022244554700224425 10222455470022445542455424554245542455454545454545	ся С	MAX. H (CM)	21111212122 20112212222 2111221222222 21122222222	1 6	¥×0,	900840008 9000840008 9000840008 9000840008 9000870088
OCT.	OBS. TIME	040800408004 0408004	OCT.	OBS. TIME	040000400004	OCT.	OBS. TIME	4408564685044

0	DEPTH OF WATER (M)	200 200 200 200 200 200 200 200 200 200		DEPTH OF WATER (H)	200,000,000,000,000,000,000,000,000,000		DEPTH OF WATER (M)	20.52 20.52 20.54 20.54 20.38 20.38 20.38 20.38 20.04 20.04 20.04 20.04 20.04 20.04 20.04 20.04 20.04 20.04 20.05 20.05 20.05 20.55
ON : EAST NO	CURRENT DIRECTION (DEG) (16D1R)	276 (W) 622 (W) 622 (ENE) 722 (ENE) 722 (CURRENT DIRECTION (DEG) (16D1R)	238 (WSW) 283 (WNW) 2852 (WW) 2852 (WW) 2864 (ENE) 1086 (ENE) 2652 (WSW) 2652 (WSW) 2652 (WSW) 792 (ENE) 793 (MS) 793 (M		CURRENT DIRECTION (DEG) (16DIR)	22555 22559 22559 22559 22559 22559 22559 225555 22555 22555 22555 22555 22555 2255555 225555 225555 225555 225555 2255555 2255555 2255555 2255555 2255555 2255555 22555555
STATION	CURRENT VELOCITY (CM/S)	12.52.23.23.23.25.25.25.25.25.25.25.25.25.25.25.25.25.		CURRENT VELOCITY (CM/S)	22,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,		CURRENT VELOCITY (CM/S)	2, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
	WAVE DIRECTION (DEG) (16DIR)	133 152 152 152 152 152 152 152 152 152 152		WAVE DIRECTION (DEC) (16DIR)	141 144 144 144 144 144 144 144 144 144		WAVE DIRECTION (DEG) (IEDIR)	11123 1123 1123 1123 1123 1123 1123 112
-	NUMBER OF WAVES	8777600011111111111111111111111111111111		NUMBER Of WAVES			NUMBER OF WAVES	133999996457773 13399964557773 13399996455773
	WAVE T (SEC)			WAVE T (SEC)	01000000000000000000000000000000000000		WAVE T (SEC)	00000000000000000000000000000000000000
	MEAN H (CM)	8708887769779 88999989977899769		MEAN H (CM)	871037874878878878878878878878878878878878878		MEAN H (CM)	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$
	WAVE T (SEC)	011000000000000000000000000000000000000		WAVE T (SEC)	00000000000000000000000000000000000000		WAVE T (SEC)	ວຸດີ ອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸອຸ
	CH CH CH	1134 887 11111 11111 11111 11111 11111 11111 1111		1/3 (CM)	8888700855333825 8888500855333825 8888500855333825		1/3 (С М)	100 100 100 100 100 100 100 100 100 100
	WAVE T (SEC)	0.1.0.1.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0		WAVE T (SEC)	000000000000000000000000000000000000000		WAVE T (SEC)	မ္ကေရာဂ္ရမ္ရ ရေရာဂ္ရမ္က မ္ကေရာဂ္ရမ္ရ ရေရာဂ္ရမ္က မ္ကေရာဂ္ရမ္ရ ရေရာဂ္ရမ္က
	1/10 (CH)	22222222222222222222222222222222222222		1/10 H (CM)	2004202020 2004202020 20080802000 20020202020 2002020202		1/10 H (CM)	111111111111111 1800121184184 400840876000
18	WAVE T (SEC)	010110 01000000000 01040000440000	91	WAVE T (SEC)	00000000000000000000000000000000000000	91	WAVE T (SEC)	ວັດດີດີດີດີດີດີດີດີດີດີດີດີດີດີດີດີດີດີດ
0 199	MAX. H (CM)	00000000000000000000000000000000000000	1 19	MAX. H (CM)	-2222	2 19	MAX. H (CM)	11111111111111111111111111111111111111
OCT. 10	OBS. TIME	0408004680004	OCT. 1	08S. TIME	0,40000400004	OCT. 1	OBS. TIME	040004400004

STATION : EAST NO. 0

0	DEPTH OF WATER (M)	200 200 200 200 200 200 200 200 200 200		DEPTH OF WATER (M)	200 200 200 200 200 200 200 200 200 200	DEPTH OF WATER (M)	200.220 222222 200.22222 200.22222 200.220 200.2000 200.2000 200.200000000
ON : EAST NO.	CURRENT DIRECTION (DEG) (16DIR)	2360 (W) 2334 (S W) 2356 (W W) 2356 (W W) 2356 (W W) 2371 (W W) 532 (EENE) 532 (EENE) 533 (CURRENT DIRECTION (DEG) (16DIR)	75 82596 88266 88266 88266 88866 88866 8886 8866 88	CURRENT DIRECTION (DEG) (16DIR)	78 (ENE) 2598 (W) 70 (WSW) 70 (ENE) 249 (WSW) 70 (ENE) 263 (W) 263 (W) 265 (W) 265 (W) 81 (ENE) 265 (W) 81 (ENE) 81 (ENE) 82 (ENE) 83 (ENE) 83 (ENE) 84 (ENE) 84 (ENE) 84 (ENE) 84 (ENE) 85 (ENE) 86 (ENE
STATION	CURRENT VELOCITY (CM/S)	10.32 11.90 29.23 29.23 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.36 10.37 10.35 10.35 10.35 10.320		CURRENT VELOCITY (CM/S)	17. 3.368 4.20 8.256 8.256 11.10 12.256 11.11 12.256 11.11 12.256 11.11 12.256 11.11 12.256 11.11 12.2566 12.2566 12.2566 12.2566 12.2566 12.2566 12.2566 12	CURRENT VELOCITY (CM/S) (
	WAVE DIRECTION (DEG) (16DIR)	137 (S 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		WAVE DIRECTION DEG) (16DIR)	B B B B B B B B B B B B B B B B B B B	WAVE DIRECTION (DEG) (16DIR)	128 128 128 128 128 128 128 128
	NUMBER OF WAVES (119 120 121 121 121 121 120 123 123 123 123 115 115 115		NUMBER OF WAVES (258 1122 1223 1223 1223 1223 1223 1223 122	NUMBER OF WAVES	11111111284 4811111111286 481111111128 4888 4888 4888 4888 4888 4
	MEAN WAVE H (CM) (SEC)	76 77 77 77 77 77 77 86 86 86 86 86 86 86 86 86 70 10 10 10 10 10 10 10 10 10 10 10 10 10		MEAN WAVE H (CM) (SEC)	4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	MEAN WAVE H T (CM) (SEC)	
	WAVE M8 T + (SEC) (0	ດູຈຸດຸດຸດຸດຸດຸດຸດຸດຸດຸດຸດ ທຸສຸລຸລຸດທດກະຈຸດັດທູ		MAVE MI T (SEC) (0	လ္လလ္လလ္လန္နန္႔ လူလူလူလူလူလူန္	WAVE M T (SEC) (တတ်ဆတ်တွင်တတ်ဆို * * * လလနာလယ်ခံလက်ခံ * * * *
	1/3 м Н (СМ)	22 22 22 22 22 22 22 22 22 22 22 22 22		CM) K CM)	ຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒຒ ຒຒຒຒຒຒຒຒ	LV3 (CM)	00000000000000000000000000000000000000
	0 WAVE T > (SEC)	លំផល់លំលំលំលំលំលំលំលំលំលំលំលំល ល ៧ ៧ ៧ ល ល ៧ ៧ ល ០ ៧ ៧ ៧ ល ល		0 WAVE T) (SEC)	တကမာကမေမာက္ နက္လာ က လူတဲ့ တဲ့ တဲ့ တဲ့ တဲ့ တဲ့ တဲ့ တဲ့ တဲ့ တဲ့	O WAVE T (SEC)	တ္တတ္တတ္တတ္တတ္တတ္ * * * နက္က က ၄ ရတ္တတ္ က တ * * *
	CM)	84 10 10 10 10 10 10 10 10 10 10		е [/1((СМ)	8 2 8 8 8 8 9 4 1 8 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8	VE L/10 T H EC) (CM)	
1661	4AX. WAVE H (CM) (SEC)	2691480264888 2694888 2698888 26999999 26999999 26999999 2699999 26999 26999 26999 26999 26999 26000 2000 2	1991	AX. WAVE H T (CM) (SEC)	8454559644466 87785475964466 8778647596868886 876847596868888 87684759688888 87684759688888 87684759688888 8768475968888 8768475968888 8768475968888 876847598888 8768475988 8768475988 8768475988 876847598 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87684759 87685 87675 87675 87675 87675 87675 87675 87675 87675 87675 87675 87675 87675 87675 87675 8775 87	1991 Max. Wav H T (CM) (SE	00000000000000000
OCT. 13	OBS.	04000044080044 04000044080044	OCT. 14	OBS. TIME	0400004400004	OCT. 15 CBS.	N4000014000044

STATION : EAST NO. 1

4	DEPTH OF WATER (M)			DEPTH OF WATER (M)	10000110000000000000000000000000000000	DEPTH OF WATER (M)	
TOT TOT - LOTTON	CURRENT DIRECTION (DEC) (16D1R)			CURRENT DIRECTION (DEG) (16DIR)	000 ** 000 ** 000 000	CURRENT DIRECTION (DEC) (16DIR)	00114 * 000000 * * 000000000000000000000
	CURRENT VELOCITY (CM/S)	60. 1.12 60. 1.12		CURRENT VELOCITY (CM/S) (557.95 50.02 50.03 50.02 50.03 50.00	CURRENT VELOCITY (CM/S)	56. 25 51. 20 51. 20 51. 20 51. 20 37, 63 39, 25 39, 25 34, 44 19, 44 34, 73
	WAVE DIRECTION (DEG) (IGDIR)			WAVE DIRECTION (DEG) (16DIR)	158 141 141 158 141 158 155 152 152 152 152 155 155 155 155 155	WAVE DIRECTION (DEG) (16DIR)	1555 (SSE) 1447 (SSE) 1311 (SSE) 1444 (SSE) 1524 (SSE) 1524 (SSE) 1441 (SE) 1524 (SSE) 1441 (SE) 1539 (SSE) 1339 (SSE) 1339 (SSE)
	NUMBER OF WAVES	000 000 000 000 000 000 000 000 000 00		NUMBER OF WAVES	778 # 8 6 3 8 8 # # 6 7 1 7 8 # 8 6 3 6 8 # # 6 7 2 1 4 # 8 6 3 6 8 # # 6 0 7	NUMBER OF WAVES	011 * *0000 * * 10 80 * *0480 * *17 84 * 80480 * *817
	WAVE T (SEC)	★本本は、★本本は、★本本は、★本本は、★本本は、本本本は、本本本は、本本本は		WAVE T (SEC)	44キキムらみみキキムみ ・***・、・・***・・ アの**キーフの**のフ	HAVE T (SEC)	44**44444*** *** FOF**000-***04
	MEAN H (CM)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		MEAN H (CM)	00**00000**00 0H**F000+**00 **	MEAN H (CM)	04##0010## 8# 8# 8#
	WAVE T (SEC)	# # # # # # # # # # # # # # # # # # #		WAVE T (SEC)	ហូល ៖ ៖ លូលលំលំលំ ៖ ៖ ជាល ស ល ៖ ៖ ៖ ០០០០ល ៖ ៖ ១៧	WAVE T (SEC)	លំ4 * * លំហំ4 4 * * លំ4 * * * លល * * ÷ ⇔ ⇔ ⊕ ⊕ ⇔ ↔ * * ↔
	1/3 (CM)	# # # # # # # # # # # # # # # # # # # #	·	CM)	** ** 010 * * 10 00 - 10 * * 10 01 0 * * 10 00 - 10 * * 10 00	CM) (CM)	** 8* 200**41000**100 200**41000**100
	WAVE T (SEC)	***************************************		WAVE T (SEC)	のの★★400~0★★44 00 ★★4000 → * * 000	WAVE T (SEC)	က်က်နံ့နှစ်ကဲ့နှန့်ကိုလံ တကနနက္ကလမ္မလန်နှင့်ကေ တကနနက္ကလမ္မလန်နှင့်ကေ
	1/10 H (CM)	**************************************		1/10 Н (СМ)	** 8111 ** 811	1/10 H (CH)	** 84 90 **0 84 90 **10 **10 84 90 **100 **10000000000000000000000000000
1881	WAVE T (SEC)	***************************************		MAX. WAVE H (CM) (SEC)	๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	NAVE WAVE (SEC)	លំប៉ុង * លំហ្ហំជុំ * * លំជុ លល * * ហ ហ ល ហ * * ល ជ
	MAX. H (CM)	***************************************			■ ま ** こし★ * ひようま * + 1つ こし * * 1 - 1 00 00 ** + 1 - 1 - 10	1 199 MAX. H (CM)	イスキャーオウユ キャージャーフ キャー キャーシンクキャクーフ きゅうひょう オーオ ひょうしょう ちょうしょう オーマン キャー ちょう オーマン オーマン オーマン オーマン オーマン オーマン オーマン オーマン
SEP. 22	OBS. TIME	01408001408004 014080014080014	SEP. 23	OBS. TIME	040800498004 040800498004	SEP. 24 OBS. TIME	04080044080044

STATION : EAST NO. I

	DEPTH OF WATER (M)	10000000000000000000000000000000000000		DEPTH OF WATER (M)	1-1-0-0-0-1-0-0-0-0 1-0-0-0-0-0-0-0-0 1-0-0-0-0	DEPTH-OF WATER (M)	
N : EAST NO.	CURRENT DIRECTION (DEC) (ISDIR)	1 1		CURRENT DIRECTION (DEG) (16DIR)	0000 0000 0000 0000 0000 0000 0000 0000 0000	CURRENT CURRENT (DIRECTION (DEG) (16D1R)	C C C C C C C C C C C C C C C C C C C
SIATION	CURRENT VELOCITY (CM/S) (48. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9	1881 (CURRENT VELOCITY (CM/S) (34.05 37.45 *** *** 8** 41.22 *** 33.82 41.22 *** *** 33.82 41.22 ***	CURRENT VELOCITY (CM/S)	30, 23 35, 18 35, 18 37, 72 32, 60 324, 82 324, 82 34,
	WAVE DIRECTION (DEG) (16DIR)	147 (SS 130 (SS 1339 (SS 1331 (SS) (SS) (SS) (SS) (SS) (SS) (SS) (SS		WAVE DIRECTION (DEG) (16DIR)	141 (S 140 (S E) 140 (S E) 140 (S E) 140 (S E) 140 (S E) 127 (S E) 127 (S E) 127 (S E) 143 (S E) 127 (S E) 139 (S E) 138 (S E)	WAVE DIRECTION (DEG) (16DIR)	140 140 128 128 128 128 128 128 128 128 128 128
	NUMBER OF WAVES	00**1000***0 14**0008***0 14**0008***0		NUMBER OF WAVES	00 * * * 00 0 * * * 00 3 * * * 00 0 * * * 10 9 0 0 * * * 10 0 * * * 10	NUMBER OF WAVES	
	WAVE T (SEC)	448 * 200 444 * * 40 * * * * * * * * * * * * * * * * * * *		WAVE T (SEC)		WAVE T (SEC)	440***040***4 *************************
	MEAN H (CM)	## ### 2010年#100000#### 2010年#100000####		MEAN H (CM)	0.00 * * * * 0.00 * * * * 0.00 * * * * *	MEAN H (CM)	0000**01000***00 0114**** ** ****
	WAVE T (SEC)	4488000948844 , . * * * * * * * 04* * 00 / 00 0 * * * 4		WAVE T (SEC)	44****444***0 * * * * * * 0 NO * * * 040 * 8 * 0	WAVE Var (SEC)	444***********************************
	CH)	** ** **		1/3 H (CM)	4 * * * * * * * * * * * * * * * * * * *	CH CH CH	** 001-**101-**** 004**/201****1
	WAVE T (SEC)	400ままでひみびままま まま 407ままりこの6まます 405ままりこの6まます		WAVE T (SEC)	C.4***4C.4***0 **** * * **** C.C.****000****	WAVE T (SEC)	ろすこ # # すみすい # # # す イフ オ # # す の い # # # # い イフ オ # # み の こ # # # # い
	Г/10 (СМ)	** 800**1001****0 800**0040***0		Г/ 10 Н (См)	+ # # # # # # + Ω = # # + ΩΩΩ = # # Ω 0 → # # # ΦΩΝΟ # # # Ο 0 → # # # ΦΩΝΟ # # # Ο	1/10 H (CM)	** 000+*000**** 400**0001***4
16	WAVE T (SEC)	40**3000***//		WAVE T (SEC)	らうまままべの(4)ままで) 、、****、、、****、 のこま**の(つつき***の)	91 WAVE T (SEC)	လ်နှံမှ * * သူတွယ် * * * တ လတ်မ * * တနတ် * * * * က
199	H (CM)	まま そのまましのつてホホキゼ ののままののこのホホキゼ		MAX. H (CM)	* * * * * * * * * * * * * * * * * * *	7 199 MAX. 1 H (CM)	*** **********************************
SEP. 25	OBS. TIME	0 4 0 0 0 4 9 0 0 0 4 9 0 0 0 4 9 0 0 0 4 9 0 0 0 4 9 0 0 0 4 9 0 0 0 4 9 0 0 0 4 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEP. 26	OBS. TIME	0.400004408004	SEP. 27 OBS. TIME	N4000044000044

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4	DEPTH OF WATER (M)	00000000000000000000000000000000000000		DEPTH OF WATER (M)	000000000000 800000088000 7008001444408	DEPTH OF WATER (M)	00000000000000000000000000000000000000	
ON I RAN I NU	CURRENT DIRECTION (DEC) (16DIR)	3554 3556 3556 3556 3556 3556 3556 3556		CURRENT DIRECTION (DEG) (I6DIR)	2000 200 2000 2	CURRENT DIRECTION (DEC) (16D1R)	7 (N) 3533 (N) 3553 (N) 3556 (N) 122 (N) 3554 (N) 3554 (N) 3554 (N) 3551 (N	
SLALION	CURRENT VELOCITY (CM/S) (27.32 21.55 21.55 20.55 23.55 23.55 23.55 24.47 25.55 24.47 25.55 24.47 25.55 24.47 25.555		CURRENT VELOCITY (CM/S)	8000 - 100 8000 - 440 40000 * 440 04000 * 8000 * * * * *	CURRENT VELOCITY (CM/S)	224.28 24.78 24.78 24.78 24.78 23.06 1.28 33.00 1.11 3.7.11 3.30 3.30 3.30 1.11 3.30 3.30 1.11 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	
.*	WAVE DIRECTION (DEG) (LGDIR)	139 (S) 144 (S) 144 (S) 144 (S) 125 (S		WAVE DIRECTION (DEG) (16D1R)	134 135 135 135 135 135 135 135 135 135 135	WAVE DIRECTION (DEG)(1601R)	1220 (550) 131 (550) 121 (550) 121 (550) 133 (550) 134 (
	NUMBER OF WAVES	5000 * *000 * * * * 1000 * *000 * * * * 0 10 * *000 * * * *		NUMBER OF WAVES	0001→*000**** 4000+0000**** 0000*0004***	NUMBER OF WAVES	00000000000000000000000000000000000000	
	WAVE T (SEC)	044**400**** • • ** • • • **** • • • **		WAVE T (SEC)	ふふごでまんごご弁米キキ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	WAVE T (SEC)	み はるれですればは * * * ここののともののもも * * *	
	MEAN H (CM)	₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩		MEAN H (CM)	* * * * * * * * * * * * * * * * * * *	MEAN H (CM)	*** 21 1111 889000000444	
	WAVE T (SEC)	らは4 4 4 4 4 5 5 7 8 8 8 8 ・・・ 8 8 ・・・ 8 8 8 8 らりこ 8 8 10 0 0 8 8 8 8		WAVE T (SEC)	4.4.4.0.8.0.4.4.4.4.4 、、、、、、、、、、、 5.4.2.0.0.6.4.4.4.4 5.3.2.0.4.7.4.0.0.6.4.4.4.4	WAVE T (SEC)	က္နံန္မသူလ္ကလူလူအုန္နန္ ျက္ျထင္လင္ျလန္နန္န	
	L/3 (CH)	3.8 2.021-14年101-14年4年 2.0202年4.01207年年4年 2.0202年4.01207年年4年		L/3 (CM)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	173 H (CM)	*** 1001	
	WAVE T (SEC)	លលល ៖ ៖ លលល ៖ ៖ ៖ ៖ • • • • • • • • • • • • • • • •		WAVE T (SEC)	ふららのまででのまままま このらのまこてらまままま	WAVE T (SEC)	្រុំដំលូំដំលូំពុំសំសុំដំ ៖ ៖ ៖ សហហសង្កល់សុំដំ ៖ ៖ ៖	
•	1/10 H (CM)	≪ # + + + + + + + + + + + + + + + + + +		1/10 H (CM)	・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	1/10 H (CM)	*** 1001111101 404010707***	
1	WAVE T (SEC)	ろうのまま 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	16	-	WAVE T (SEC)		91 WAVE T (SEC)	ကိုယ္ရက္ကိုက္ရက္ရမ္ + + ကိုလ္ရက္ရက္ရန္ + + + ကိုလ္ရက္ရက္ရက္ရန္ + + + + + + + + + + + + + + + + + + +
199.	H H (CM)	** 4900****000**** 4004**000****	1991	MAX. H (CM)	01 co	0 199 MAX. 1 (CM)	* * * よりごししょうしのご * * * なつのならいのこう * * *	
SEP. 28	OBS. TIME	0400004000044000044	SEP. 29	OBS. TIME	0408000408004	SEP. 30 OBS. TIME	04000044000034	

DEPTH OF WATER (M) DEPTH GF WATER (M) 00000 01000 01000 0100 0100 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 0100 01000 4 4 4 * * * STATION : EAST NO. I Y DIRECTION (DEG) (16DIR) CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (16D18)
 Image: Constraint of the second sec **2000 ** *** * * * ** * * * * CURRENT (VELOCITY | (CM/S) (I 2.97 30.67 39.01 35.58 *** * 4 ** ** * * * *** WAVE DIRECTION (DEG) (16DIR) WAVE DIRECTION (DEG) (16DIR) 00000 00000 00000 000 * * * *** NUMBER OF WAVES NUMBER OF WAVES **1222222 ***2224 ¥ * *** 4 4 4 * * * 4 ※ WAVE T (SEC) (SEC) WAVE いたみなままま **** **** * * * * MEAN H (CM) H H (CM) ** * * * WAVE T (SEC) WAVE T (SEC) * 070 * * 000 0 * * * * *** * * * ** ** * * * GH Č S±5 G∰ WAVE T (SEC) WAVE T (SEC) င်္ င်္ ပင္ကလ္တက္လင္ကက္လက္လန္ # န္ # 6 6 0 7 9 8 * * ** * * * * * * * * (CH) (CH) CH) WAVE T (SEC) WAVE T (SEC) 0011800004004 40000004 40000004*** * * * * 1991 1991 MAX. H (CM) MAX. H (CM) 1010* 0-01/200000*** ******* ŝ -OBS. TIME OBS. TIME 22200022200022 2220111111 oct. сIJ

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DEPTH OF WATER (M) DEPTH OF WATER (M) DEPTH OF WATER 100001110001168 STATION : EAST NO. 2 CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (16DIR) CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (IGDIR) $\widetilde{\alpha}$ CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (16DI) 010##00/00###00 0###00 0###00 0###00 -។ ល្ 24.02 24.02 25.02 25.05 33.83 31.73 31.73 31.73 25.16 25.07 26.07 27.07 27.07 27.07 27.73 27.74 27.75 WAVE DIRECTION (DEG) (16DIR) WAVE DIRECTION (DEG) (16DIR) WAVE DIRECTION (DEG)(IGDIR) NUMBER OF WAVES NUMBER OF WAVES NUMBER Of WAVES 255 * * 500 250 * * 500 200 * 500 2000 WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) MEAN H (CM) WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) 40.***4446.***04 500**0400**04 40 * * 0440 * * 04 06 * * 0444 * 00 #####0000##00 #### #### H = 1 H WAVE T (SEC) WAVE T (SEC) 40°**40000**4400 L/10 H (M) 32***/36 32***/36 32***/36 32***/36 32***/36 32 CH CH CH ** 40**0000**0-1 00**00800**0-1 WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) * * * * * 4 0 0 0 + * 1 0 * * * * * 0 0 0 4 4 1 0 * * * * * 0 0 4 4 * 4 0 0 1991 1991 1991 HAX. H (CM) MAX. H (CM) ** 500**0440***10 00**08000***10 ซี ณ 23 22 OBS. TIME 040000400004 OBS. TIME SEP. OBS. TIME 0400004000040 SEP. SEP.

74	DEPTH OF WATER (M)	1100011100001 4188882508871 1818825558871	DEPTH OF WATER (M)	1.0.0.0.1.1.1.0.0.0.1. 0.0.0.0.0.0.0.0.0	DEPTH OF WATER (M)	111001110000 84078001110000 880780011104000
N : EAST NO.	CURRENT DIRECTION (DEG) (16DIR)	C + + C + + + + + + + + + + + + + + + +	CURRENT DIRECTION (DEG) (16DIR)	Ω Ω	CURRENT DIRECTION (DEG)(16DIR)	28*** 070 28*** 070 28*** 070 28*** 070 28*** 38***
STATION	CURRENT VELOCITY (CM/S) {	22. 30.13 *** 11.0.05 23.84 20.84 20.84 20.84 20.84 88 88 88 88 88 88 88 88	CURRENT VELOCITY (CM/S) (15.66 27.10 17.08 17.08 11.86 32.47 32.47 32.47 32.47 32.47 32.47 32.47 16.64	CURRENT VELOCITY (CM/S)	0 100 100 100 100 100 100 100 100 100 1
	WAVE DIRECTION (DEG) (16DIR)	1118 (ESC) 105 (ESC) 75 (ESC) 76 (ENC) 76 (ENC) 76 (ENC) 78 (***) 714 (ESC) 114 (ESC) 114 (ESC) 81 (EC) 81 (E	WAVE DIRECTION (DEG) (16DIR)	119 (ESE) 103 (ESE) 74 (ENE) 8*** (***) 93 (E) 91 (E) 91 (E) 8*** (***) 91 (E) 8*** (***) 91 (E) 8*** (***) 91 (E) 8*** (***) 8*** (***)	WAVE DIRECTION (DEG) (16DIR)	115 (ESE) 105 (ESE) 79 (E) 848 (848) 99 (E) 1015 (ESE) 1015 (ESE) 1015 (ESE) 84 (E) 84 (E) 84 (E)
	NUMBER OF WAVES	00**0000***0 00**00000***0 04**00000***1	NUMBER OF WAVES	QQ1**000***0 000**080***2 000**080***2	NUMBER OF WAVES	2000 2000 2000 2000 2000 2000 2000 200
	WAVE T (SEC)	448米55444米884 	WAVE T (SEC)	ふみのままなみなまままみ ようのままなみなまままな ようのもまのです。ままれ。	I WAVE T (SEC)	4444**444**** **** ****
	MEAN H (CM)	* * * * * * * * * * * * * * * * * * *	MEAN H (CM)	11 * * * 8 10 10 * * * 10 80 11 * * * 10 10 * * * 10 80 * * * * 10 10 * * * 10 80	MEAN H (CM)	4 * * * * * * * * * * * * * * * * * * *
	WAVE T (SEC)	4444645554444 - * * * * * * * * * * * * * * * * * * *	WAVE T (SEC)	440 * * N44 * * * 0 000 * * 400 * * * 0 000 * * 400 * * * 0	WAVE T (SEC)	4555 4555 7455 7455 7455 7455 7455 7455
	L/3 H (CM)	** ***********************************	C ^H	01****0000***0000****	CM) H (CM)	068**F874880 F**F8748700 **
·	WAVE T (SEC)	40 * * 0 4 4 0 * * * 4 . * * * * * * * * * 0 0 / 4 * * * 0	WAVE T (SEC)	4 4 F * * 5 5 4 * * 6 	WAVE I (SEC)	440° = ∞44 = = + + + + + + + + + + + + + + + + +
	1/10 H (CM)	* * * * * * * * * * * * * * * * * * *	1/10 H- (CM)	4.0 ** 0.00 * * * 4.0 **0000*** 4.00**0000****0	1/10 H (CH)	** *** 884*8888*** 9899**088***
-1	WAVE T (SEC)		WAVE T (SEC)	មាមក្លុំ * * % សូល * * * * * * * * * * * * * * * * * * *	91 WAVE T (SEC)	
199	MAX. H (CM)	1000 100 1000 1	MAX. H (CM)	* * * * * * * * * * * * * * * * * * *	7 199 МАХ. 1 Н (СМ)	400 * * 0 40 * * * 100 * * 0 40 * * * 1 100 * * 0 10 * * * 4
SEP. 25	obs. Time	S S S S S S S S S S S S S S S S S S S	OBS. TIME	040001400004 040000400004	SEP. 27 OBS. TIME	0400004408084 0400004408084

. 2	DEPTH OF WATER (M)	444004440000 8604440000 86084804808		DEPTH OF WATER (M)		DEPTH OF WATER (M)	111100111000 021002010000 11000040000000
ON : EAST NO.	CURRENT DIRECTION (DEC) (16D1R)	••••• ••••• ••••• ••••• ••••• ••••• ••••• ••••• ••••• ••••• ••••• ••••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• •••• ••••		CURRENT DIRECTION (DEG) (16DIR)	$\begin{array}{c} & & & & \\ & & & & \\ & & & & \\ & & & & $	CURRENT DIRECTION (DEG) (16D1R)	X X
STATION	CURRENT VELOCITY (CM/S)	11. 16 3. 62 3. 62 *** *** 13. 44 15. 65 16. 65 ***		CURRENT VELOCITY (CM/S) (20. 19. 50. 11. 10. 50. 11. 10. 50. 11. 10. 50. 11. 10. 50. 11. 10. 50. 11. 10. 50. 10. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50. 50.	CURRENT VELOCITY (CM/S) (20, 31 7, 91 7, 94 7, 94 15, 74 18, 98 18, 98 18, 98 18, 98 8***
	WAVE DIRECTION (DEG) (16DIR)	104 (ESE) 107 (ESE) 98 (E) 77 (ENE) 77 (ENE) 95 (E) 95 (E) 1111 (ESE) *** (***) *** (***)		WAVE DIRECTION (DEG) (16DIR)	101 (103 (858) 103 (858)	WAVE DIRECTION (DEG) (IGDIR)	885 (8 1022 (859) 895 (879) 895 (87
	NUMBER OF WAVES	000 * * 0 0 0 − * * * 6 6 4 * * 0 0 0 − * * * 4 6 6 4 * * 0 0 0 − * * *		NUMBER Of WAVES	0000 = 1000 - = = = 4000 = 000 - = = = 0000 = 100 - = = = =	NUMBER OF WAVES	000011000*** 80000041*** 80000041***
	WAVE T (SEC)	444 440 440 440 440 440 440 440 440 440		WAVE T (SEC)	444044445+++ ********** ~~*****	WAVE T (SEC)	N44N0044N+++ O00-14N000/1+++
	MEAN H (CM)	** *** UUU4** III *** 0000**00408**		MEAN H (CM)	* * *** 101 * 11 *** 10240*000***	MEAN H (CM)	*** *** \$\$\$\$\$\$\$\$\$\$\$\$\$
	WAVE T (SEC)	4.40.8 * 60.0 m 0 * * * * * * * * * * * * * * * * * * *		WAVE T (SEC)	* * * 300 + 20 0 + 4 * * 30 0 + 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAVE T (SEC)	សុក្កលក្កសុក្កសុក្កសុក្ក * * * * * * * * * * * * * * * * * * *
	CM) (CM)	001###000### **********		1/3 H (CM)	*** *** 0100*0000 00000*00	н См)	*** *** ***
	WAVE T (SEC)	4448474008** ・***・・・*** くのア**のちょ/***		WAVE T (SEC)	ຕໍ່ຕໍ່ບໍ່ດໍ້ຈັກທີ່ມີດໍ່ສຸ່ສຸ່ ສຸສຸສິດທິນທີ່ຈັດດີອີສຸສຸ ຕໍ່ດີວ່າສຸສຸສຸດທິນທີ່ສຸ່ສຸສຸ	WAVE T (SEC)	ထံလှလ့ထဲထဲတဲ့လဲလုပ် * * * ထမ္မာလူထဲတဲ့လုလုပ် * * * ထမ္မာလူထဲတဲ့လုလုပ် * * *
	1/10 (CM)	** *** 4008**1008*** 4008*4000***		1/10 H (CM)		1/10 H (CM)	★★★ ▲22111101★★★ ★755020A5★★
91	WAVE T (SEC)	446 * * 0 0 0 0 0 * * * * * * * * ひょう * ひて の * * * *	16	WAVE T (SEC)	でよれらまつらうなまま いちらうてきので、ままま このらうたまのでいい。ままま	91 WAVE (SEC)	ççîng4401608 * * *
199	MAX. H (CM)	** のゆの**こゆのし*** てこみ**?こゆの***	1991	MAX. H (CM)	N49141921488 * * * *	0 199 MAX. H (CM)	
SEP. 28	OBS. TIME	0.400001400004 0.400001400004	SEP. 29	OBS. TIME	N4000N4000N4	SEP. 30 OBS. TIME	040000400004

1	DEPTH OF WATER (M)		1.0.1 0.98 0.73 0.01 0.01		DEPTH OF WATER (M)	0.11-0 210-1-0 210-1-0 200-1-0 200-100-100-100-100-100-100-100-100-100-) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H H) H H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H) H H H H H H H H H H) H H H H H H H H H H H H H) H H H H H H H H H H H H H H H H H H H
	CURRENT DIRECTION (DEG) (16D1R)			U 🖱 🖑	CURRENT DIRECTION (DEG) (16DIR)	354 (N) 359 (N) 1 (N) 2 (N) 3	
2	CURRENT VELOCITY (CM/S)	16.67 25.12 29.70 30.58	25.08 19.44 19.77 19.77 19.97	20.38	CURRENT VELOCITY (CM/S)	16.13 19.31 19.01 19.01 ***	# # # # # # # # # # # # # # # # # # #
	WAVE DIRECTION (DEG) (16DIR)		20000000000000000000000000000000000000		WAVE DIRECTION (DEG) (16DIR)	000 000 001 001 001 001 001 001 001 001	
	NUMBER OF WAVES	147 252 265 247	213 240 246 246 246 246		NUMBER Of WAVES		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	WAVE T (SEC)	1944 1940	000444	(0 # # . # # ~ # #	WAVE T (SEC)	トジ44* トタアの*	*** *** ***
	MEAN H (CM)	r 484	001200	▶ # # # # # #	MEAN H (CM)	* 00453 00453	· 兹 龙 华 幸 幸 幸 幸 章 章 章 章 章 章 章 章 章 章 章 章 章 章 章
	WAVE T (SEC)	10 0 0 0 0 0 0 1 0	0000000	00) # # * # # C1 # #	WAVE T (SEC)	10.1 * 50 0 1 1 * 50 0 0 1	******
	CM) CM)	5010 5010	411111	* * •	CH CH CH	* N N N	* * * * * * * * * * * * * * * * * * *
	WAVE T (SEC)	11. 5.071 8.071	7.2.0 0.7.7.0 0.0 0.0 0.0 0.0 0.0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ທ) # # 0) # #	WAVE T (SEC)	0.044 **********************************	******
	1/10 H (CM)	2000 2000 2000	122218 194278	+	1/10 H (CM)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	***
1	WAVE T (SEC)	10.0 7.7 8.5 8.5	1.0001 1.000 01	16.0 *** **	91 WAVE T (SEC)	ရက္ကေရး ကေလာက္ရန္ ကေလာက္လန္	* *
1991	MAX. H (CM)	365 365 385 385 385 385 385 385 385 385 385 38	21-00 5355 5355 555 557 557 557 557 557 557 5	4 4 4 4 4 4 4	МАХ. Н (СМ)		********
OCT. 1	OBS. TIME	ഗ i⊲≰ (0 ໝ	11111 22498	2220	OCT. 2 OBS. TIME	VI 4 10 00 C	00408004 11111000

STATION : EAST NO.3

ب	DEPTH OF WATER (M)	1111111111111 2000000000000000000000000		DEPTH OF WATER (M)			DEPTH OF WATER (M)	
ON : EAST NO.	CURRENT DIRECTION (DEC) (16DIR)	20000000000000000000000000000000000000		CURRENT DIRECTION (DEG) (1601R)	00000000000000000000000000000000000000		CURRENT DIRECTION (DEG) (16DIR)	3554 (N) 3554 (N) 3555 (NN) 35555 (NN) 35555 (NN) 35555 (N) 3555 (
STATION	CURRENT VELOCITY (CM/S) (35,81 25,388 25,388 25,388 25,388 73 7,05 88 88 88 84 88 84 88 82 84 82 82 84 82 82 84 82 82 84 82 82 82 82 84 82 82 82 82 82 82 82 82 82 82 83 83 83 83 83 83 83 83 83 83 83 83 83		CURRENT VELOCITY (CM/S)	19, 19, 19, 19, 19, 19, 19, 19, 19, 19,		CURRENT VELOCITY (CM/S)	2022 0 0 0 0 0 0 0 0 0 0 0 0 0
	WAVE DIRECTION (DEG) (16DIR)			WAVE DIRECTION (DEC) (16DIR)	0000000040+04 000000040+04 222222225+22		WAVE DIRECTION (DEG) (16DIR)	33357 34 * 5 35 * 8 35 * 8
	NUMBER OF WAVES	421 460 460 670 80 80 80 80 80 80 80 80 80 80 80 80 80		NUMBER OF WAVES	4474555566 * 0 4474555566 * 0 9766669448 * 1		NUMBER OF WAVES	2220 2220 22322 22322 22322 22322 22322 2232 2232 2232 2232 2232 2232 2232 2232 2332 2
	WAVE T (SEC)	န္ကၾင့္လက္လက္ရမွက္ရန္ ဆိုလ္ စဝက်မ်း – ပဝတန္ * နမ္မ		WAVE T (SEC)	44001240464440 800-0000000880-		WAVE T (SEC)	,
	MEAN H (CM)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		MEAN H (CM)	014 -101 * 99673964-9444-4		MEAN H (M)	** ** רטר 00 000000440
	WAVE T (SEC)	ທຸທຸສຸດັ່ນບຸທຸທຸ4,4,5 ພາະວຸດວາຍປະດຸສາຍພ		WAVE T (SEC)	0,41,40,00,44,40,00 010041,400,400		WAVE T (SEC)	លុលុលុលី ០ លុលលុស * * ល - ០ ០ ៤ ៤ ៧ ០ ០ ០ ០ ៧ * * 0
	L/3 H (CM)	°000000000000000000000000000000000000		С С Щ	# ₩ ₩ № 0 ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩		CM)	** *** *** 000/1000 ***
	WAVE T (SEC)	က္ကာင္ဆံရပ္က္လည္းလူကုန္ အူလူ ကုက္ကာန္ နဲ႔ကုန္က ကုန္က ကုန္ ကုန္က ကုန္က ကုန		WAVE T (SEC)	<u>ゆるとで、 4046540000046464</u> 4046440000004		WAVE T (SEC)	๛๛๛๛๚๛๛๐๛ * *๚ ๛๛๛๛๚๛๛๐๛ * *๚
	1/10 H (CM)	401 -000 * 970840700*00		Г,10 (СМ)	4.04 0.000 8 4 04 00000008 800		L/10 H (CM)	** ©©~~ 000 *** ©©4080040**4
	WAVE T (SEC)	▲ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	16	WAVE T (SEC)	00001 100000 1000000000000000000000000		WAVE T (SEC)	0.4 L 0 0 0 L 1 4 * 0 0 0 0 0 4 0 0 4 * 0 0 0 0 0 4 0 0 4 0 4 * 0
661	MAX. H (CM)	88844 	196	MAX. H (CM)	441410007204 # 0 000000220 # 0	18:	MAX. H (CM)	8 * * 400 800 ° * * 9 * * 400 80 ° 80 ° 80 ° 80 ° 80 ° 80 ° 80 °
SEP. 25	OBS. TIME	0408004998088	SEP. 26	OBS. TIME	040000400004	SEP. 27	OBS. TIME	11711000 11711000 14000044000044

STATION : EAST NO. 3

e.	DEPTH OF WATER (M)	411111111111111 88044804400000 88081874000000		DEPTH OF WATER (M)		DEPTH OF WATER (M)	
DN : EAST NO.	CURRENT DIRECTION (DEG) (16DIR)	23223 2522 25454 25554 255554 2555555		CURRENT DIRECTION (DEG) (16DIR)	0 * 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CURRENT DIRECTION (DEG) (16DIR)	22222222222222222222222222222222222222
STATION	CURRENT VELOCITY (CM/S)	16.25 19.54 19.54 19.54 1.6.82 26.23 24.48 24.23 24.48 24.48 24.48 24.48 24.48 24.48 24.48 24.48		CURRENT VELOCITY (CM/S)	20. 24.001 24.001 24.001 24.002 24.002 24.005 24.00	CURRENT VELOCITY (CM/S)	20, 78 115, 45 115, 44 111, 87 111, 87 111, 87 118, 88 118, 88
	WAVE DIRECTION (DEG) (16DIR)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		WAVE DIRECTION (DEC) (16D1R)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	WAVE DIRECTION (DEG)(16DIR)	
	NUMBER Of WAVES	2323 1648 2339 1 * * 5525 1 * * 5525 235 1 * * 5525 1 * * 5525 1 * * 5525 255 1 * * 5525 255 255 255 255 255 255 255 255 25		NUMBER OF WAVES	222 2233 2221 22225 2221 2225 232 232 232 232 232 232 232 232 23	NUMBER OF WAVES	8481 8481 8481 8481 8481 8481 8481 8481
	WAVE T (SEC)	ฃ๚๚๛๛๚๛๛๛๚๚ ๚๛๛๚๚๛๛๛๚๚๚ ๚๛๛๚๚๛๛๛๚๚๚		WAVE T (SEC)		WAVE T (SEC)	, , , , , , , , , , , , , , , , , , ,
	MEAN H (CM)	4 4 4 4 4 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7		MEAN H (CM)		MEAN H (CM)	111 087070900040
	WAVE T (SEC)	ぃぽヸ゙゚゚ヽ゚ゐ゚ヸ゚゚ぃ゚ぃ゚ヽ゚ ゚゚゚゚゚゚゚゚ ぃ゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚		WAVE T (SEC)	0, *0, *0, *0, *0, *0, *0, *0, *0, *0, *	WAVE T (SEC)	
	CM)	** 881 100 ** 989994588		1/3 H (CM)	* * * * * * * * * * * * * * * * * * * *	1/3 (CM)	1001 1101 00044008000000
	WAVE I (SEC)	๗๗๙๗๙๐๙๐ *** ๑๓๚๗๗๚๚๗๓+*0		WAVE T (SEC)	40000-1400400 *00 8000000004 *0	WAVE T (SEC)	40,40,00,00,00,00,00,00 0770000000000000
	1/10 H (CM)	8801 1001 ** 7000007071 **0 7000007071 **0		I/I0 (CM)	808111881 * 808111881 * 80880444808 * 0	1/10 H (CH)	488444884 6986444884
	WAVE T (SEC)	υν.ν.α.ν.α	91	WAVE T (SEC)	47000047700 4700004780 740112001780	91 WAVE T (SEC)	
199	H (CM)	4401- 2001-** 2782900800**1 2782900800	199	MAX. H (CM)	* * +304-1904 * 004-1909 * 004-1900 * 004-1000 * 004-10000 * 004-10000 * 004-10000 * 004-10000 * 004-10000 * 004-10000 *	19 МАХ. Н СМ)	446446886844464
SEP. 28	OBS. TIME	01400000040000000000000000000000000000	SEP. 29	OBS. TIME	11111000 040000400004	SEP. 30 OBS. TIME	daa

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DEPTH OF WATER (M) DEPTH OF WATER (M) L. 39 L. 56 L. 72 L. 72 * * * * * *** ** STATION : EAST NO. 3 CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (IGDIR) CURRENT CURRENT VELOCITY DIRECTION (CM/S) (DEG) (16DIR) ZZZZZZZZZZZZ ភលលលង * លលលល * *** * * * * * * *** 4 2 2 *** 单状的 16.51 17.72 24.81 20.10 112.44 221.34 221.34 222.14 222.14 222.44 14.92 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 221.33 222.34 222.34 222.34 222.34 222.34 222.34 222.34 222.34 222.34 222.34 222.34 222.34 222.34 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 223.33 221.33 223.33 221.33 223.33 221.33 222.33 221.33 222.33 221.33 222.34 22.3 ** ** WAVE DIRECTION (DEG) (16DIR) WAVE DIRECTION (DEC) (16DIR) Z Z Z Z Z Z Z Z Z Z Z Z Z 356 359 4 * * * * * * *** * * *** *** ** 357 ** NUMBER OF WAVES NUMBER OF WAVES 156 211 210 233 * ** **水** 单 水 *** *** ** WAVE T (SEC) WAVE T (SEC) ະດວວະ * ດີທີ່ທີ່ສັ * * * * * ** * * *** MEAN H (CM) MEAN H (CM) ~~~~ * * 0.0001101000 0.00010000 ** * * * * * * * * WAVE T (SEC) WAVE T (SEC) 0.400.* **កុ**ម្ភលុក្ខភ្លេសក្ខភ្លេសក្ខភ្លេស ០*៧៧–* ១4 លក្ខភាព ល * * * * * * * * * * * * * * Сн Сн Сн С Gr 53 0.40.04 * * * * * * * * * 10001111111 WAVE T (SEC) WAVE T (SEC) ~4000000400440040 * * * 1/10 (CM) L/10 H (CM) 100212000 * * * WAVE T (SEC) WAVE T (SEC) 00000* * * * * * * ** *** *** ** 1991 1991 MAX. H (CM) MAX. (CM) 2 -OBS. TIME 20200400040 2020400040 OBS. TIME OCT. OCT.

DEPTH OF Water (m) DEPTH OF WATER (M) DEPTH OF WATER (M) ** 5.71 5.74 5.76 5.76 5.76 3.500445055745050000 3.500450574505745033 3.5004450450505033 * * ¥ * * * STATION : SOUTH NO. I CURRENT DIRECTION (DEG) (16DIR) CURRENT Y DIRECTION (DEG) (16DIR) CURRENT / DIRECTION (DEG)(16DIR) * * * * * * * © = 0 000 * * * * * * * 0 = 0 000 * * * * * * * 0 = 0 000 CURRENT (VELOCITY ((CM/S) () CURRENT (VELOCITY 1 (CM/S) (1 CURRENT (VELOCITY | (CM/S) (1 232111101233334440 232211110013334440 2323333333344440 +++0+0000 +++0+0000 +++0+0000 * * * * * WAVE DIRECTION (DEG) (16DIR) WAVE DIRECTION (DEG) (16D1R) WAVE DIRECTION (DEG) (16DIR) 3333333333333333 2275 (2275 (2275 (2275 (2275 (2275 (2276 (22 ***0**00 ***0*00 ***0*000 ** * * * 4 4 NUMBER OF WÅVES NUMBER OF WAVES NUMBER OF WAVES *** WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) 800400004 8000400004 8000400004 8.54.50.69.48.88.9 8.7.88.09.64.88.89.9 8.7.88.09.04.88.89.9 8.7.88.09.04.88.89.9 MEAN (CM) MEAN H (CM) MEAN H (CM) លលលលកលលេង។។លេល ທາດທານ ແລະ ເພີ່ມ ແລະ ເພີ້ອ ແລະ ເພີ້ອ ແລະ ເພີ້ອ ແລະ WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) CH) Ся Ся ະ ເບີສ ⊿ ຜ ທ ທ ທ ດ ດ ດ ດ ດ ດ ດ ດ ດ ດ ດ ******* WAVE T (SEC) WAVE T (SEC) WAVE T (SEC) CM CM 1/10 H (CM) CH) 5001010000101000 ******* 000r4r00r0r0 *** ∿ **છ** છ MAX. WAVE H (CM) (SEC) MAX. WAVE H (CM) (SEC) (SEC) WAVE T (SEC) 1991 1991 1991 MAX: H CM) იიი<u>, 4</u>00ო*სის* 0 ********* ********** ŝ 4 2 OBS. TIME OBS. TIME N4000N400004 OBS. TIME N4000014000040 oct. ocr. <u>ост</u>.

STATION : SOUTH NO. 1

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oct.

DEPTH OF WATER (M)	ອດອດ ⊷ ໙ ດ / ໙ ໙ ໙ ດ ດ ໙ ອ ໑ ໙ ໙ ໙ ໙ ໙ ໐ ໙ ໗ ໙ ໙ ໗ ໙ ໙ ໙ ໙ ໙ ໙ ໙ ໙ ໙ ໐ ໙ ໗	9	WATER (M	ດູທູກດູດູດູດູດູດູດູດູດູດູດູດູດູດູດູດູດູດ	DEPTH OF WATER (M)	ດທູທູທູທູທູທູທູທູທູທູດ ຊູຊູຊູດດູດດູດດູດ ຊູຊູຊູຊູຊີຊີຊີຊີຊີຊີຊີຊີຊີຊີຊີຊີຊີຊີຊີຊ
CURRENT DIRECTION (DEG) (16DIR)	293 (WNW) 338 (NNW) 338 (NNW) 308 (NNW) 23 (NNW) 312 (NNW) 312 (NNW) 322 (NN	IRREN	DIRECTION (DEG) (16DIR)	2688 (W) 271 (W) 271 (W) 2755 (NNWE) 2555 (NNWE) 2555 (NNWE) 2668 (N) 2668 (CURRENT DIRECTION (DEG) (16DIR)	82 (E) 307 (W) 349 (N) 349 (N) 349 (N) 3207 (N) 3207 (N) 3207 (N) 3204 (S) 317 (N) 317
CURRENT VELOCITY (CM/S)		CURRENT	VELOCITY (CM/S)	22222222222222222222222222222222222222	CURRENT VELOCITY (CM/S)	0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
WAVE DIRECTION (DEG) (16DIR)	277 (W) 277 (W) 277 (W) 278 (W) 278 (W) 278 (W) 275 (W) 277 (W) 277 (W) 277 (W) 278 (W) 277 (W) 277 (W) 278 (W) 277 (W) 278 (W) 278 (W) 277 (W) 278 (WAVE	DIRECTION (DEG) (16DIR)	277 (% 2711 (% 2772 (% % 2884 (% %) 2883 (% % %) 2883 (% % % % 2883 (% % % %) 2883 (% % % %) 2883 (% % %) 2863 (WAVE DIRECTION (DEG) (16DIR)	2883 (WNW) 2803 (WNW) 2804 (WNW) 2979 (WNW) 2979 (WNW) 2812 (WNW) 2812 (WNW) 2812 (WNW) 2813 (WNW) 2813 (WNW) 2814 (WNW)
NUMBER OF WAVES	48. 48. 04. € 26.68.04.10.04 04. € 202.08.000.08	NUMBER	OF WAVES	48118888818 887788488418	NUMBER Of WAVES	ຎຎຎຎຎຎຎຎຎຎ ຎຎຎຎຎຎຎຎຎຎຎ ຎຎຎຎຎຎຎຎຎຎຎຎ
WAVE T (SEC)	115.22 115.22 115.22 115.22 15.22 15.22 15.22 15.22 15.22 15.22 15.22 15.22 15.22 15.22 15.22 15.22 15.25	WAVE	r (sec)		WAVE T (SEC)	
MEAN H (CM)	# # លល# លលលលល 4 4 លល	MEAN	н См)	ໝ ໙ ຎ ຎ ຎ ໑ ຯ ຎ ຎ ຎ ຎ	MEAN H (CM)	დ - 1 თ ლ - 1 თ დ დ დ ი ი თ დ დ
WAVE T (SEC)	884 99 99 90 90 90 90 90 90 90 90 90 90 90	WAVE	r (SEC)	2001 2002 2001 2005 2017 2005 2017 2005 2017 2005 2017 2005 2005 2005 2005 2005 2005 2005 200	WAVE T (SEC)	20112215554 677225554 6777284 6777284 677728 677728 7011 7011 7011 7011 7011 7011 7011 701
EV3 H (CM)	∞ ∞ ೲ ೲ ೲ ೲ ೲ √ ∞ ∞ * * *	1/3	нÖ	L @ 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	(CH) (CH)	108693177805 11086931778051
WAVE T (SEC)	82, 11111110 82, 00, 00, 00, 00, 00, 00, 00, 00, 00, 0	WAVE	T (SEC)	888885557738559 198885557739008 198885557739008	WAVE T (SEC)	2300100102700 8000100102700
см) СМ)	* ©©©©©©~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1/10	нÛ	<u>စစစစစ ႏိုင်စင်စစ ပ</u> ီ	1/10 (CM)	,
WAVE T (SEC)	414 147 147 147 147 147 147 147 147 147		T (SEC)	00000000000000000000000000000000000000	9L WAVE (SEC)	21222111222999 849000000000000000000000000000000000
MAX. H CM)	÷ ⊂ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞ ∞	m .	нÖ		MAX. 138 (CM)	510 110 110 110 110 110 110 110 110 110
OBS. TIME	040000400004		OBS. TIME	N 4 0 8 0 N 4 0 8 0 N 4	OCT. OBS. TIME	040000400004

	DEPTH OF WATER ⁹ (M)	00000000000000000000000000000000000000		DEPTH OF WATER (M)	ດ. ທູ. ທູ. ທູ. ທູ. ທູ. ທູ. ທູ. ທູ. ທູ. ທູ		DEPTH OF WATER (M)	0,00,00 0,00,00 0,00,00 0,00,00 0,00,00 0,00,0
ON : SOUTH NO.	CURRENT DIRECTION (DEG) (16DIR)	2335 (N W) 2344 (S W) 2354 (S W) 2356 (S S W) 255		CURRENT DIRECTION (DEG) (16DIR)	232 (S %) 232 (S %) 2386 (% %) 2286 (% %) 2286 (% % %) 2286 (% % %) 2286 (% % %) 358 (% %) 368 (% %) 3		CURRENT DIRECTION (DEG) (16DIR)	182 (208 (SSW) 268 (SSW) 153 (SSW)
NULLA	CURRENT VELOCITY (CM/S)			CURRENT VELOCITY (CM/S) (4000-000-00-00-00-00-00-00-00-00-00-00-0		CURRENT VELOCITY (CM/S)	2. 22 . 21 . 41 . 41 . 41 . 41 . 41 . 41 . 41 . 4
	WAVE DIRECTION (DEG) (16DIR)	2885 (WW) 2882 (WW) 2882 (WW) 2883 (WAVE DIRECTION (DEG) (16DIR)	2000 200 2000 2		WAVE DIRECTION (DEG) (16DIR)	2700 (W) 2790 (W) 2790 (W) 2746 (W)
· .	NUMBER OF WAVES	804490020 804490224 4002244087080		NUMBER OF WAVES	* 074400880-**30 000040-4830		NUMBER OF WAVES	4 8 8 8 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	WAVE T (SEC)			WAVE T (SEC)	20048009-140880 **********************************		WAVE T (SEC)	こう」 (1) (1) (1) (1) (1) (1) (1) (1)
	MEAN H (CM)	し て し し し し し し し し し し し し し		MEAN H (CM)	+ + + 00000000000000000000000000000000		MEAN H (CM)	
	WAVE T (SEC)	11111111111111111111111111111111111111		WAVE T (SEC)	00000000000000000000000000000000000000		WAVE T (SEC)	↓↓200 400→00 ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
	CM) CM)	4000000		1/3 (CM)	400001400×70		1/3 H (CM)	
	WAVE T (SEC)	222 * 1.788 8 0 0 1 7 5 1.7 8 0 8 0 0 1 7 5 1.7 8 0 8 0 0 1 7 5 1.7 8 0 8 0 0 1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		WAVE T (SEC)	12 * 7 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 - 9 -		WAVE T (SEC)	
	1/10 H (CM)	844749909*799 844749909*799		С. Н С. Н	* * * * * * *		1/10 Н (СМ)	
16	WAVE T (SEC)	00000000000000000000000000000000000000	91	WAVE T (SEC)	222.00 222.00 222.00 223.50 223.50 223.50 223.50 223.50 223.50 223.50 223.50 223.50 223.50 223.50 223.50 235.50 25	91	WAVE T (SEC)	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
8 1991	MAX. H (CM)	**************************************	6 1331	MAX. H (CM)		10 199	MAX. H (CM)	******** Nii******** 0:0.0********
oc1.	OBS. TIME		OCT.	OBS. TIME	0408004908004	OCT. 1	OBS. TIME	449804498084 4498084 498084 498084 498084 498084

STATION : SOUTH NO. 2

¥ •	DEPTH OF WATER (M)	0001/11/14 000000 000000 000000 000000 000000 0000		DEPTH OF WATER (M)	00000000000000000000000000000000000000		DEPTH OF WATER (M)	7.7.7.9.8.7.7.7.9.89 11.08880 11.088807.7.7.9.8880 11.088807.7.9.8880 11.088807.7.9.8880 11.088807.7.9.8880 11.088807.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.9.8880 11.088807.7.7.98807.7.7.8880 11.088807.7.7.98807.7.7.8880 11.088807.7.7.98807.7.7.8880 11.088807.7.7.98807.7.7.88807.7.7.88807.7.7.88807.7.7.88807.7.7.88807.7.7.88807.7.7.88807.7.7.88807.7.7.7.
	CURRENT DIRECTION (DEC) (16DIR)	2000 2000 2000 2000 2000 2000 2000 200		CURRENT DIRECTION (DEG) (16DIR)	271 (W 2728 (W 2728 (W 2728 (W 2758	• .	CURRENT DIRECTION (DEG) (ISDIR)	2554 (WSW) 2786 (WSW) 2666 (WSW) 2663 (WSW)
NOTIVIC	CURRENT VELOCITY (CM/S) (**************************************		CURRENT VELOCITY (CM/S)	4.1.9.9.1.1.9.9.9.4 9.1.9.8.5.5.1.3 9.1.9.8.5.5.5.3 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.8 9.1.3.9.7.5.7.5.7.5.7.5.7.5.7.5.7.5.7.5.7.5.7	: · : :	CURRENT VELOCITY (CM/S)	99-99-99-99-99-99-99-99-99-99-99-99-99-
	WAVE DIRECTION (DEG) (LGDIR)	**************************************		WAVE DIRECTION (DEC) (16DIR)	154 (SSE) 157 (SSE) 157 (SSE) 157 (SSE) 155 (SSE) 156 (SSE) 156 (SSE) 156 (SSE) 156 (SSE) 156 (SSE) 156 (SSE) 156 (SSE)		WAVE DIRECTION (DEC) (16DIR)	155 (SSE) 154 (SSE) 154 (SSE) 155 (SSE) 155 (SSE) 155 (SSE) 154 (SSE) 154 (SSE) 155 (SSE) 155 (SSE) 155 (SSE) 155 (SSE) 155 (SSE) 155 (SSE) 155 (SSE)
	NUMBER OF WAVES	**************************************		NUMBER OF WAVES	111220 11220 112295 112295 112295 1058 112295 1058 1058 1058 1058 1058 1058 1058 105		NUMBER OF WAVES	1112 1112 88 1117 102 101 108 108 108 108 108 108
	WAVE T (SEC)	* * * * * * * * * 0 ^ 0 0 0 0 0 0 0 0 0		WAVE T (SEC)	00000000000000000000000000000000000000		WAVE T (SEC)	00100000000000000000000000000000000000
	MEAN H (CM)	**************************************		MEAN H (CM)	0000040000074 0000040000074		MEAN H (CM)	
·	WAVE T (SEC)	* * * * * * * * 0,000 * * * * * * * 0,000 * * * * * * * 0,000 * * * * * * * 0,000		WAVE T (SEC)	0-101-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		WAVE T (SEC)	1111 121 121 121 121 121 121 121 121 12
	1/3 H (CM)	***************************************		1/3 Н (СМ)	844055588888555444		L/3 (CN)	222222222222222222222222222222222222222
	WAVE T (SEC)	**************************************		WAVE T (SEC)	ちょう ひょうひららなってらってひ ひってしののまのまで		WAVE T (SEC)	11111111111111111111111111111111111111
	1/10 H (CM)	***************************************		1/10 H (CM)	80000000000000000000000000000000000000		1/10 H (CM)	0808040010000 0808040010000
T o	WAVE T (SEC)	a * * * * * * ↓ ↓ ↓ ↓ ↓ a * * * * * * ↓ ↓ 0 ↓ 0 0 * * * * * * * * 0 0 0 0	10	WAVE T (SEC)	40200000000000000000000000000000000000	9.I	WAVE T (SEC)	
2 199	MAX. H (CM)	* * * * * * * * * * * * * * * * * * ~ ~ ~ ~	3 T361	MAX. H (CM)	40-00 000000000000000000000000000000000	4 199	MAX. CM)	18888 8 8888888888888888888888888888888
OCT.	OBS. TIME	0408004508004	001.	TIME.	0408004408084 0408004408084	oct.	OBS. TIME	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2