### JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) STATE OCEANIC ADMINISTRATION (SOA) PEOPLE'S REPUBLIC OF CHINA

### THE STUDY ON IMPROVEMENT OF MARINE ENVIRONMENTAL MONITORING SYSTEM FOR THE PEARL RIVER ESTUARY IN THE PEOPLE'S REPUBLIC OF CHINA

FINAL REPORT

DATA BOOK

September 2001

### METOCEAN ENVIRONMENT INC. UNICO INTERNATIONAL CORPORATION

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### Dry Season

### Fileld Survey Report

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Time Series of Multi-Layer Current Vector (ADCP, P11, 0.0 – 1.5m, Dec. 3 – 28, 2000)
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Current Ellipse (ADCP, P19, Mar. 4 – Mar. 6, 2001)
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### Rainy Season

### FIELD SURVEY REPORT ON RAINY SEASON FOR THE STUDY ON THE IMPROVEMENT OF MARINE ENVIRONMENTAL MONITORING SYSTEM FOR THE PEARL RIVER ESTUARY

SOUTH CHINA SEA ENVIRONMENTAL MONITORING CENTRE
OF
STATE OCEANIC ADMINISTRATION
SEPT 2000

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### 1. Introduction

The objective of field survey on rainy season of the Study on Improvement of Marine Environmental Monitoring System for the Pearl River Estuary is to provide the hydrology, water quality, sediment quality and biology data for developing a water quality and a ecological simulation model. The survey was conducted from 31,July to 10,Aug 2000 .The participators amounted to 69,among which 1 professor, 15 senior engineers, 29 engineers, 18 assistant engineers and the other 6. The workers of both sides of China and Japan did their best and overcame the difficulties such as gale blowing and rough sea etc to fulfill the survey.

### 2. Survey Points

In the study area, there were 26 point locations for water quality, bottom sediment quality and aquatic biota, of which 20 were intensive points and 6 were continuous points. In addition to that, there were 3 points set up for water level observation.

During the survey, the vessel could not go to P05 and P10 points as the water was much more shallower. The original points were modified, and the Table 1 shows the modified latitude and longitude.

### 3. Information of Vessels Employed

During the survey, 5 vessels were employed. They were Haijian 73, civil boat A, civil boat B, civil boat C and civil boat D. Haijian 73 and civil boat A were in charge of the continuous points, civil boat B and civil boat C were in charge of the intensive points, and civil boat D for delivering samples.

### 4. Work Time and Navigation Route

As the weather was changeable, the original plan was modified according to field sea state. The Table 2 presents the modified plan of each boats operation, which shows the original operation time, points, route as well as actual operation time, points and route.

The wind and sea wave were stronger during spring tide, the civil boat was too small and swayed very much. In consideration of maritime safety and operator safety as well as P26 far away from the main study area, Haijian 73 was sent to carry out the survey on P26. Because of the same reason, Haijian 73 was expedited to conduct the survey on P24, P25 and P26.

In addition, during neap tide the original survey on P20 and P19 was changed to one hour ahead of scheduled time in order to finish the survey going from P19 and P20 to P01 and P04 on time.

### 5. Field Survey

### 5.1 Water Quality Sampling in Site

The collected water samples amounted to 6094 at 26 point locations in rainy season survey. There were no samples missing during water collected. The samples were collected in accordance with sampling regulations and in order. There was no contaminated sample. The additive was added to sample in pre-treated work for the sake of sample stability. During delivered and stored, there was no sample missing and breaking.

### 5.2 Sea Current and CTD

Instrument test

ADR RCM-9 was tested together with DRCM SLC9-2 on-board Haijian 73. Before and after survey at each point, the water temperature, salinity and turbidity were tested. Water temperature micro-sensor was tested with reversing thermometer, conductivity and turbidity were tested with salinometer and turbidity meter. The method of testing CTD was: taking surface sea water to pour the pond made of plastics and placing CTD, RCM-9 and reversing thermometer into the pond, the temperature, salinity and turbidity were read after 15 minutes. At the same time, the sampled water was analyzed for salinity and turbidity.

RCM-9 was used to observe sea current, SLC9-2 was lowered into sea to attest RCM-9. The test time was at 0100, 1300 and the next 0100 o'clock for each point.

Problems were as follows:

At some point locations, the water flowed very fast when flooding and ebbing. This caused sea current meter to drift, the inclination was larger even though heavy lead weight added. If the inclination is larger than 15°, the water depth will be corrected (cosine correction).

As there was something wrong with the turbidity meter probe contained in CTD, the probe was replaced immediately. During the probe replaced, at P12 and several points there were short of CTD/Tu data at 1100, 1200 and 1500 o'clock on 31 Jul. The points short of turbidity were; P06 at 1700 o'clock on 31 Jul, P15 at 1620 on 8 Aug, P16 at 1520 on 8 Aug and P18 at 1400 on 7 Aug. The above-mentioned data of turbidity were analyzed at laboratory with the water samples, but data only at the surface, mid-depth and bottom. In addition, the turbidity data at P12 on 31 Jul were abnormal because the data were the same from surface to bottom.

During spring tide, as the water was shallower at P19 and draft of Haijian 73 was deep, the sediment went up around and the water was turbid. The turbidity data observed were higher than usual. The phenomena were very obviously at 1500 to 2100 on 1st Aug.

### 5.3 Tidal Level Observation

Tidal level observation points were located at Humen, Zhuhai and Guishan. Self-recorded water level recorder (WLR-7) was used and deployed before 29 Jul. After 30 days observation in succession, the water level recorders were retrieved on 31 Aug. The recorders worked well during observation.

### 5.4 Meteorological Observation

The meteorological observation was conducted at 26 points and 1700 parameters were obtained. After the observed air temperature data compared with each other, it was noted that the air temperature observed (at daytime) on-board Haijian 73 was higher than other boats. That had something to do with sunlight reflection from the deck as the air temperature was read on the front deck on-board Haijian 73.

### 5.5 Phytoplankton, Zooplankton and Benthos

Phytoplankton, zooplankton and benthos survey were conducted at 26 points, and 126 samples were collected. The sampling was carried out in accordance with the survey regulations. At the request of Japanese experts, the all aquatic organisms left on the sieve with 1mm in mesh during benthic survey were collected to be analyzed with low-power microscope at laboratory for qualitative and quantitative analysis.

### 5.6 Sediment

There were 26 points for sediment quality survey, and 26 samples were collected. During sampling, the sample was taken only 2cm in depth of top surface of sediment for the sake of reflecting exactly the present pollution conditions.

### 5.7 Light Quantum

Chinese scientific workers could operate the light quantum meter well with the help of Japanese experts. In particular, the scientific worker avoided the sheltered umbra on-board civil boat to observe light quantum.

### 6. Samples Delivering, Analyzing and Data Processing

During the survey, the boat delivering sample could carry the samples collected by other civil boats to Haijian 73 on time for analysis. After the field survey, all samples were transported safely to the laboratory of SCSEMC. Each lot of samples with delivering note was checked and signed on the note during delivering. There were no samples confused, damaged and missed when lots of samples delivered.

All analytic instruments employed were calibrated during the rainy season survey. Before or after each lot or group of samples (30 samples in usual) analyzed, an additional test sample would be analyzed. At the same time, over-all recovery would be analyzed to attest the analysis procedure and quality control. All analyzing jobs at laboratory were well-knit and smoothly functioning, then the data were reliable.

The procedure of data processing observed ISO9000, and data processing such as calculation, check, examining, data format and Excel table met the needs of quality control.

### 7. Statistics Results

During the rainy season survey, 7596 analysis data of water quality were obtained,

234 data of bottom sediment quality, 795 parameters of aquatic biota, 57342 variables/parameters of hydrometeorology and light quantum (including water level). Table-3 presents the statistics results.

### 8. Suggestions

In a common effort of both sides of China and Japan, the rainy season survey was succeeded. For the sake of the dry season survey functioning smoothly, several suggestions are given as follows:

### 8.1 Survey point

Some points were shallower in this survey, the modified points in this survey should be accepted in the dry season survey.

### 8.2 Maneuver of research vessel(R/V)

In the dry season, wind will bellow much more fiercely and sea wave will beat much stronger than in the rainy season. In consideration of operators safety and survey smooth functioning, it would be best if tow vessels similar to Haijian 73 could be employed. It would be better if vessels could carry out the survey in supplemental study area and civil boats could do the jobs in main study area.

### 8.3 CTD

The turbidity probe will go wrong at times. The probes should be of stand-by. Pay attention to water depth while operating CTD.

### 8.4 Site of air temperature observation

The sunlight will warm the vessel deck, and heat reflection from the deck will affect air temperature. Observe air temperature in the site avoiding the above side effect.

### 8.5 Water sampler's rack

The civil boat should be equipped with water sampler's rack as the sea will be rough in the dry season survey.

### 9. Table 1 Survey Point

		Plan	ned su	irvey	point			Act	ual su	rvey p	oint		
Point No.	longi	tude	(E)	latit	ude	(N)	longi	tude	(E)	latit	ude (	N)	Remark
	0	,	"	0	,	"	0	,	"	0	,	"	
P01	113	40	00	22	43	59	113	40	00	22	43	59	Continuous point
P02	113	44	33	22	38	30	113	44	33	22	38	30	Intensive point
P03	113	39	29	22	36	42	113	39	29	22	36	42	Intensive point
P04	113	37	48	22	33	30	113	37	48	22	33	30	Continuous point
P05	113	43	59	22	32	30	113	44	44	22	32	36	Intensive point *
P06	113	47	59	22	32	30	113	47	59	22	32	30	Intensive point
P07	113	38	42	22	28	07	113	38	42	22	28	07	Intensive point
P08	113	44	12	22	28	11	113	44	12	22	28	11	Intensive point
P09	113	52	59	22	27	00	113	52	59	22	27	00	Intensive point
P10	113	58	48	22	30	25	113	58	59	22	30	11	Intensive point *
P11	113	45	00	22	24	29	113	45	00	22	24	29	Continuous point
P12	113	52	36	22	24	29	113	52	36	22	24	29	Continuous point
P13	113	38	56	22	22	41	113	38	56	22	22	41	Intensive point
P14	113	37	59	22	19	47	113	37	59	22	19	47	Intensive point
P15	113	43	00	22	19	47	113	43	00	22	19	47	Intensive point
P16	113	47	59	22	19	47	113	47	59	22	19	47	Intensive point
P17	113	40	59	22	15	29	113	40	59	22	15	29	Intensive point
P18	113	47	30	22	15	29	113	47	30	22	15	29	Intensive point
P19	113	39	28	22	11	56	113	42	00	22	11	56	Continuous point
P20	113	48	00	22	11	56	113	48	00	22	11	56	Continuous point
P21	113	40	42	22	08	59	113	40	42	22	08	59	Intensive point
P22	113	47	01	22	05	08	113	47	01	22	05	08	Intensive point
P23	113	42	47	22	04	57	113	42	47	22	04	57	Intensive point
P24	113	30	00	22	00	00	113	30	00	22	00	00	Intensive point
P25	113	38	30	21	56	30	113	38	30	21	56	30	Intensive point
P26	113	04	59	21	53	59	113	04	59	21	53	59	Intensive point
T01	113	42	29	22	45	04	113	42	29	22	45	04	Humen
T02	113	34	40	22	13	39	113	34	40	22	13	39	Zhuhai
T03	113	52	12	22	09	15	113	52	12	22	09	15	Guishan

<sup>\*</sup> Modified survey point

### 10. Table 2 Survey Time and Route

Vessel name	Tide	Operation time (M:D:H:Min)	Planned point and route	Actual point and route
		07:31:10:00~08:01:10:00	P11	P11
	Spring	08:01:15:00~08:02:15:00	P19	P20
Haijian 73		08:02:20:00~08:03:20:00	P01	P01
(continuous point)		08:07:10:00~08:08:10:00	P11	P12
point)	Neap	08:08:14:00~08:09:14:00 *	P19	P20
		08:09:20:00~08:10:20:00	P01	P01
		07:31:10:00~08:01:10:00	P12	P12
G: '11	Spring	08:01:15:00~08:02:15:00	P20	P19
Civil boat A		08:02:20:00~08:03:20:00	P04	P04
(Continuou		08:07:10:00~08:08:10:00	P12	P11
s point)	Neap	08:08:14:00~08:09:14:00 *	P20	P19
		08:09:20:00~08:10:20:00	P04	P04
		7月31日	P14→P13→P07→P03→	P14→P13→P07→P03→
	Spring	/ /1 21 Fl	P02→ <b>P11</b>	P02→ <i>P11</i>
Civil boat B		8月1日	$ \begin{array}{c} P15 \rightarrow P17 \rightarrow P21 \rightarrow P24 \rightarrow \\ P26 \rightarrow P19 \end{array} $	$P17 \rightarrow P21 \rightarrow P24 \rightarrow P20$
(intensive		8月7日	P14→P13→P07→P03→	P14→P13→P07→P03→
point)	Neap	0 /1 / H	P02→ <b>P11</b>	P02→P12
		8月8日	P15→P17→P21→P24→ P26→ <b>P19</b>	P15→P17→P21→ <i>P20</i>
		7 H 21 H	$P10 \rightarrow P09 \rightarrow P08 \rightarrow P05 \rightarrow$	P10→P09→P08→P05→
	Spring	7月31日	P06→ <b>P11</b>	P06→ <i>P11</i>
Civil boat	Spring	8月1日	$P16 \rightarrow P18 \rightarrow P22 \rightarrow P23 \rightarrow$	$P15 \rightarrow P16 \rightarrow P18 \rightarrow P22 \rightarrow$
(intensive			P25→ <b>P19</b> P10→P09→P08→P05→	P23→P25→ <i>P20</i> P10→P09→P08→P05→
point)	N.T.	8月7日	P06→ <b>P11</b>	P06→ <i>P12</i>
	Neap	8月8日	P16→P18→P22→P23→	$P16 \rightarrow P18 \rightarrow P22 \rightarrow P23 \rightarrow$
		0 /1 о Ц	P25→ <b>P19</b>	P20
		7月31日	P07→P08→P11 P12←→P11	P07→P08→P11 P12←→P11
			P18→P21→P19	P18→P21→P20
	Spring	8月1日	P20←→P19	P20←→P19
Civil boat		0月2日 0月2日	P20←→P19	P20←→P19
D		8月2日~8月3日	P01←→P04	P01←→P04
(delivering		8月7日	P07→P08→P11	P07→P08→P12
sample)			P12←→P11	P12←→P11
	Neap	8月8日	P18→P21→P19 P20←→P19	P18→P21→P20 P20←→P19
		8月9日~8月10日	P20←→P19	P20←→P19
			P01←→P04	P01←→P04

Remark: \* indicates operation time of the point was one hour ahead of schedule time.

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11. Table 3 Statistic Data Results on the Rainy Season Survey

No	Water quality items	Data numbers	No	Sediment quality items	Data numbers	No	Aquatic biota items	Data numbers	No	Hydrometeorological items	Data numbers
1	DO	436	22	Grain size	56	31	Chl-a	451	98	Water temperature	8331
7	Hd	436	23	COD	26	32	Coli.	218	37	Salinity	8331
ဇ	$\mathrm{BOD}_5$	436	24	Sulfide	26	33	Zooplankton	74	38	Water depth (sounding)	8331
4	Chinese COD <sub>Mn</sub>	436	25	T-N	26	34	Phytoplankton	26	39	Turdity	8116
v	Japanese COD <sub>Mn</sub>	472	26	T-P	26	35	Benthos	26	40	Current speed	1740
9	TOC	436	27	Oils	26				41	Current direction	1740
7	NO <sub>3</sub> -N	475	28	Ignition Loss	26				42	Water color (China)	216
œ	NO <sub>2</sub> -N	475	29	Eh(ROP)	26				43	Water color (Japan)	216
6	NH3-N	475	30	Organic matter	26				44	Transparency	216
10	PO <sub>4</sub> -P	475							45	Weather	340
11	SiO <sub>2</sub> -Si	436							46	Water depth (lead weight)	340
12	Z-T	481							47	Air temperature	340
13	T-P	481							48	Air pressure	340
14	Oils	100							49	Wind speed	340
15	SS	442							20	Wind direction	340
16	Hg	184							51	Water level	12963
17	Cd	184							25	Light quantum	5102
18	Pb	184									
19	Cu	184									
20	Zn	184									
21	As	184									
	total	7596			234			795			57342

### HYDROLOGICAL DATA SHEET

ON RAINY SEASON

FOR

SINO-JAPAN JOINT STUDY

NO

THE PEARL RIVER ESTUARY

SOUTH CHINA SEA ENVIRONMENTAL MONITORING CENTRE

OF

STATE OCEANIC ADMINISTRATION

SEPT 2000

### Intensive point in spring tide

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Longitude         (m)         (m)           44'         33 "         6.5         0.3           44'         33 "         6.5         0.3           44'         44 "         3.5         0.3           48'         00 "         5.0         0.2           88'         42 "         8.0         0.4           44'         12 "         6.5         0.9           52'         57 "         15.5         1.0           58'         59 "         3.3         0.5           38'         56 "         4.5         0.9           37'         59 "         5.8         1.0           44'         10 "         6.5         1.0           38'         50 "         5.8         1.0           48'         00 "         6.5         1.0           48'         00 "         5.8         1.0           40'         59 "         5.8         1.0           47'         30 "         145         1.5	(No) (No) (No) 22 20 20 20 20 15 11 14 14 11 15	<del></del>	Weather temperature           (°C)           Overcast         28.8           Raining         27.4           Overcast         30.0           Clear         32.1           Clear         31.2           Clear         31.1           Clear         31.6           Clear         32.1           Clear         31.6	(hPs) (m/s) (6.9 6.9 2.9 7.6 7.6 6.9 6.9 6.4 6.4 6.3	direction Remark (°) 120 330 170 195 200 216 220
7 33 " 6.5 7 44 " 3.5 7 44 " 3.5 8.0 7 42 " 8.0 7 12 " 6.5 7 57 " 15.5 7 59 " 3.3 7 59 " 5.8 8 0 6.5 9 0 " 6.5 14.5 14.5 15.5 16.5 17.5 18.0 18.0 19.0				6.9 2.9 3.4 7.6 5.0 6.9 6.9 6.4 6.4	120 330 170 195 200 190 215 220
7 44 " 3.5 7 00 " 5.0 7 00 " 5.0 7 12 " 6.5 7 59 " 3.3 7 59 " 7.8 7 59 " 5.8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		<del></del>		2.9 3.4 7.6 5.0 6.9 6.9 8.0 6.4 6.4	330 170 195 200 190 215 220
7 44 " 3.5 90 " 5.0 12 " 6.5 12 " 6.5 59 " 3.3 59 " 5.8 90 " 6.5 14.5 14.5 14.5 15.6 16.5 17.0 18.0 19.0				3.4 7.6 5.0 6.9 7.0 8.0 6.4 6.4	170 195 200 190 215 220 220
, 00 " 5.0 , 42 " 8.0 , 12 " 6.5 , 57 " 15.5 , 59 " 3.3 , 59 " 5.8 , 00 " 6.5 , 00 " 6.5 , 59 " 5.8		<del></del>		5.0 5.0 6.9 7.0 8.0 6.4 6.3	200 190 215 220 220
, 42 " 8.0 , 12 " 6.5 , 57 " 15.5 , 59 " 3.3 , 59 " 5.8 , 00 " 6.5 , 00 " 6.5 , 59 " 5.8	4 6 0 5 6 0 0 7	5.5y6/8 10Y6.5/10 10Y6.5/10 5.5Y7/5 10y6.5/10		5.0 6.9 7.0 8.0 6.4 6.3	200 190 215 220 220
, 12 " 6.5 57 " 15.5 59 " 3.3 56 " 4.5 7 59 " 5.8 7 00 " 6.5 7 00 " 6.5 7 30 " 12.3	2 0 0 0 2	10Y6.5/10 10Y6.5/10 5.5Y7/5 10y6.5/10		6.9 7.0 8.0 6.4 6.4	190 215 220 220
7 57 " 15.5 59 " 3.3 7 56 " 4.5 7 90 " 5.8 7 00 " 6.5 7 90 " 12.3 7 30 " 14.5	0 0 0 5 2 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.5Y7/5 10y6.5/10		7.0 8.0 6.4 6.3	215 220 220
, 59 " 3.3 , 56 " 4.5 , 90 " 5.8 , 00 " 6.5 , 59 " 5.8 , 30 " 12.3	2 0 0 5	5.5Y7/5 10y6.5/10 10y6.5/10		6.4	220
, 56 " 4.5 , 59 " 5.8 , 00 " 6.5 , 00 " 12.3 , 59 " 5.8	6 0 0 7	10y6.5/10 10y6.5/10		6.4	220
, 59 " 5.8 , 00 " 6.5 , 00 " 12.3 , 59 " 5.8		10y6.5/10		6.3	
, 00 " 6.5 , 00 " 12.3 , 59 " 5.8					210
59 " 5.8		10Y6.5/10	Clear 29.6	4.8	210
59 " 5.8		10Y6.5/10 O	Overcast 27.4	10.7	265
14 \$ 14 \$ 1	1.0 13	10y6.5/10	Clear 27.3	6.2	210
7.1.	1.5 14	10Y6.5/10 O	Overcast 27.6	7.6	240
40 ' 42 " 8.3 1.3	1.3 10	10Y6.5/10 F	Raining 27.2	6.5	260
47 ' 03 " 12.5 2.0	2.0 13	10Y6.5/10 C	Overcast 28.1	8.2	240
42 ' 48 " 10.0 1.5	1.5 13	10Y6.5/10 C	Overcast 28.1	3.4	245
30 ' 00 " 5.7 2.0	2.0 9	5GY6/10 F	Raining 26.1	8.5	220
38 ' 32 " 19.5 2.0	2.0 13	10Y6.5/10 C	Overcast 28.4	2.4	250
04 '   56 "   7.1   1.8	1.8	10GY3/4 C	Overcast 27.1	1.4	210

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Intensive point in neap tide

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	u .		r				1			1	_		T		<del></del> 1	<del></del> ,					<del></del> ,
	Remark					_										_	:				
Wind	direction (°)	011	210	140	001	061	170	220	280	170	165	210	210	125	210	130	215	245	160	160	160
Wind	speed (m/s)	5.5	3.0	1.8	4.1	5.1	1.5	3.6	2.8	3.8	6.0	6.0	5.5	1.2	4.9	2.0	2.7	3.6	3.3	2.2	1.0
Air	pressure (hPs)																				
Air	Weather temperature	27.8	27.5	28.6	27.8	29.4	29.4	29.6	30.1	30.0	29.5	30.0	29.6	30.8	30.3	30.8	29.6	30.6	30.1	28.1	28.3
	Weather	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Janan water		5.5Y6/8	5.5Y6/8	5Gy6/4	2.5Y7.5/0.5	5.5Y6/8	5.5Y6/2	5GY6/4	10Y6.5/10	5.5Y6/8	5.5Y7/5	10Y6.5/10	8.5Y6/8	5.5Y7/5	10y6.5/10	10Y6.5/10	5.5y7/5	5.5y6/8	5Gy6/4	5G3.5/7	5Gy6/4
Γ.	color (No)	20	20	17	18	19	18	18	17	19	61	13	17	16	14	81	12	61	13	5	13
Transparency	(m)	0.3	0.3	0.5	0.5	0.4	0.5	0.5	0.5	0.4	9.0	1.2	1.0	1.2	2.0	1.2	1.2	1.2	9.1	4.2	1.2
<del></del>	depth (m)	8.3	4.0	5.0	5.5	7.2	6.0	4.2	3.1	3.5	4.2	5.6	13.4	5.1	12.6	7.0	15.0	8.6	5.4	20.1	5.7
	ıde	33 "	28 "		57 "	43 "	26 "	57 "	29 "	. 99	. 65	" 00	65	57 "	30 "	42 "	01 "	47 "	57 "	30 "	" 00
	Longitude		39 '	4	47 '	38 '	4	52 '	58 '	38 '	37 '	43′	47 '	40 '	47 '	40 '	47 '	42 '	79 ,	38 '	05,
ion	Lo	113 9	113 °	113 °	113 9	113 °	113 °	113 °	113 °	113 °	113 %	113 %	113 %	113 °	113 °	113 °	113 °	113 °	113 °	113 °	113 %
Position		2	=		ıı	ı	:	2	ž	=	=	2	z	2	2	•	=	•	*	*	_
	Latitude	30	, 42	57	, 19	, 07	, 07	8	,	4	, 47	, 47	46	, 29	, 29	, 59	, 08	, 56	,	31	, 03
	Lati	38	936	932	932	° 28′	28	° 27	930 ′	° 22	61	5	61	° 15	° 15	80	0.05	\$	, 00	956'	9.54
		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	77	21	21
l e	Min	7 20	25	3 30	00	25	40	45	3 25	_=	8	26	50	3 25	25	2	20	25	4	35	25
Sampling time	Ξ (	7 07	7 09	7 08	7 07	7 12	7 09	7 11	7 13	7 14	7 15	8 16	8 15	8 08	8 13	8 10	80 6	60 6	6 15	6 14	6 18
mpli	MD	_` ∞	<b>∞</b>	∞	∞	∞	∞	∞	×		∞	∞ ∞	∞	× ×	∞	∞	∞	- ∞		8	∞
Sal	Y	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Point	ž	P02 2	P03 2	P05 2	P06 2	P07 2	P08 2	P09 2	P10 2	P13 2	P14 2	P15 2	P16 2	P17 2	P18 2	P21 2	P22 2	P23 2	P24 2	P25 2	P26 2
_	ç Z		7	3	4	. 2	9	7		6	9	=	12	13	41	15	16	17		19	20

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Continuous point in spring tide

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	Point		amp	Sampling time	time		Po	Position		Water	Transparency	$\overline{}$	Janen water		Air	Air processro	Wind	Wind	
No.	No	Y	Σ	q	H	Min	Latitude	Lon	Longitude	depth (m)	(m)	color (No)	color	Weather	temperature (°C)	(hPs)	speed (m/s)	direction (°)	Remark
1	P01	2000	8	2	20	00 22 944	44' 00 "	113 °	40 ' 00 "					Raining	28.1	1004.1	3.7	160	
2		2000	∞	2	21	00								Raining	28.1	1004.8	5.2	180	
3		2000	∞	2	22	00								Overcast	28.1	1005.1	4.3	170	
4		2000	∞	2	23	00								Overcast	28.3	1005.0	3.8	180	•
5		2000	∞	2	8	00								Overcast	28.1	1004.2	6.0	190	
9		2000	∞	3	01	00						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Overcast	28.1	1003.6	5.5	180	
7		2000	∞	3	02	00								Kaining	27.9	1004.4	9.9	130	
8		2000	∞	Э	03	00								Raining	26.5	1004.6	4.4	130	
6		2000	∞	3	40	00				-				Raining	27.1	1003 9	4.7	140	
10		2000	∞	3	05	00								Overcast	27.4	1004.4	4.4	130	
11		2000	∞	3	90	00								Overcast	27.7	1003.3	3.6	140	
12		2000	∞	3	07	00		:						Overcast	28.1	1004.2	6.1	140	
13		2000	∞	3	80	00				24.0	0.3	22	5.5y4/4	Overcast	27.9	1003.8	3.8	160	
14		2000	∞	~	8	00				24.4	0.4	22	5.5y4/4	Overcast	27.8	1003.7	4.3	100	
15		2000	∞	3	2	90				26.2	0.4	22	5.5y4/4	Raining	28.8	1004.0	4.8	110	
91		2000	∞	3	=	00			_	28.2	0.5	91	5Gy6/4	Raining	25.3.	1005.7	9.0	210	,
17		2000	∞	~	2	8				26.5	0.3	18	5.5y6/2	Raining	25.3	1005.2	5.6	240	
8		2000	∞	~	13	8				26.8	0.5	18	5.5y6/2	Raining	25.7	1004.9	4.2	210	
61		2000	∞	3	4	00			_	26.5	0.5	21	5.5y6/2	Overcast	26.7	1004.6	2.6	230	
2		2000	∞	т	15	8				26.4	0.4	21	5.5y6/2	Overcast	27.7	1004.4	3.7	160	
21		2000	∞	3	9	00				25.4	0.4	21	5.5y6/2	Overcast	27.9	1004.0	4.2	140	
22		2000	∞	3	17	00			_	25.2	0.5	20	5.5y4/4	Clear	30.3	1003.2	2.1	150	
23		2000	∞	3	18	00				23.7	0.5	19	5.5y4/4	Clear	29.1	1003.6	5.4	160	
24		2000	∞	~	6	8			_					Overcast	28.4	1003.9	3.9	150	
25		2000	∞	3	70	00								Overcast	28.3	1004.7	1.7	160	
26	P04	2000	8	2	20	00 22	33' 31 "	113 9 38	8 / 01 "					Overcast	28.1	1004.9	3.8	150	

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Continuous point in spring tide

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Y         M         I         Min         Lastrade         Longitude         depth         (m)         (m)         Color		Point	<u> </u>	Sampling time	g tim	).		Poé	Position		2	_	Transparancy	Water	Isnan water		Air	Air procentre	Wind	Wind	
2000         8         2         1         0		Š	γ	-	H	Min	Lat	titude	[] []	ngitud			(m)	color (No)	color		temperature (°C)		speed (m/s)	direction Remark	Remark
2000         8         2         20         0 <td>7</td> <td></td> <td></td> <td><math>\vdash</math></td> <td></td> <td><math>\vdash</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>27.9</td> <td>1005.4</td> <td>4.3</td> <td>150</td> <td></td>	7			$\vdash$		$\vdash$										Overcast	27.9	1005.4	4.3	150	
2000         8         23         00         0 <td>3</td> <td></td> <td></td> <td></td> <td></td> <td><math>\Box</math></td> <td></td> <td></td> <td></td> <td></td> <td><u></u></td> <td></td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>27.8</td> <td>1005.9</td> <td>4.4</td> <td>160</td> <td></td>	3					$\Box$					<u></u>					Overcast	27.8	1005.9	4.4	160	
2000         8         10         00         0 <td>)</td> <td></td> <td></td> <td>-</td> <td>_</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>28.1</td> <td>1005.9</td> <td>4.8</td> <td>180</td> <td></td>	)			-	_				_							Overcast	28.1	1005.9	4.8	180	
2000         8         1 0 1 00         0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Overcast</td><td>28.4</td><td>1005.4</td><td>5.9</td><td>180</td><td></td></td<>																Overcast	28.4	1005.4	5.9	180	
2000         8         3         0			┖━	-	-	┝╼										Overcast	28.2	1005.4	6.1	220	
2000         8         3         00         0 <td></td> <td>Raining</td> <td>28.2</td> <td>1004.9</td> <td>5.1</td> <td>200</td> <td></td>																Raining	28.2	1004.9	5.1	200	
2000         8         3         64         60         8         8         9         9         9         1004.1         1004.4         1004.4           2000         8         3         65         00         0 </td <td>3</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td>Raining</td> <td>27.6</td> <td>1004.4</td> <td>4.1</td> <td>120</td> <td></td>	3				_											Raining	27.6	1004.4	4.1	120	
2000         8         3         06         0         6         0         6         0         0         10044         10044         10039           2000         8         3         06         0         0         6         0         0         7         0	+		Ь	-	$\vdash$											Raining	27.6	1004.1	5.3	150	
2000         8         3         6         6         6         6         6         7         7         00 cercast         77         1003-9           2000         8         3         0         0         0         0         6         0.3         21         2.55/8         Clear         27.4         1003-4           2000         8         3         0         0         0         0         6         0         3         21         2.55/8         Clear         27.4         1003-4         1004-4         1003-4           2000         8         3         0         0         0         0         0         5.57/8         0         0.55/18         0         0         1004-4         1004-				_												Raining	27.4	1004.4	5.1	150	
2000         8 3 07 00         0 0 0         6 6         0.3         21         2.5668         Clear         274         10034           2000         8 3 08 00         0 0         0 0         6 6         0.3         21         2.5668         Overcast         278         10044           2000         8 3 00         0 0         <	<u></u>			-												Overcast	27.4	1003.9	3.3	170	
2000         8         3         08         00         6.6         0.3         21         2.556/8         Overcast         2.7.8         1004.4           2000         8         3         10         00         7.5         0.5         20         5.57/8         Overcast         27.9         1004.9           2000         8         3         10         00         8         7.5         0.5         20         5.57/8         Overcast         28.5         1004.9           2000         8         3         11         00         8         0         0.5         20         5.57/7         Raining         28.5         1004.9           2000         8         3         12         00         0         0.5         20         5.57/7         Raining         28.6         1004.9           2000         8         3         12         00         0         0         0         0.5         20         5.57/7         Raining         28.0         1004.9           2000         8         3         12         0         0         0         0         0         0         0         0         0         0         0         0 </td <td>_</td> <td></td> <td>0.3</td> <td>21</td> <td>2.5y6/8</td> <td>Clear</td> <td>27.4</td> <td>1003.4</td> <td>1.9</td> <td>120</td> <td></td>	_												0.3	21	2.5y6/8	Clear	27.4	1003.4	1.9	120	
2000         8         3         9         00         6.5         0.5         0.5         20         5.57/18         Overcast         27.9         1004.4           2000         8         1         1         0.0         0.5         0.5         20         5.57/15         Overcast         28.5         1004.9         1004.4           2000         8         1         1         0.0         0.0         8.0         0.5         20         5.57/15         Raining         29.3         1006.4         1006.4           2000         8         3         1.2         0.0         0.0         0.5         20         5.57/15         Raining         29.3         1006.4         1006.4           2000         8         3         1.2         0.0         0.0         0.5         20         5.57/15         Overcast         28.0         1004.3         1006.4           2000         8         3         1.6         0.0         0.0         0.5         2.0         5.57/15         Overcast         28.0         1004.3         1004.3           2000         8         3         1.0         0.0         0.0         0.5         2.0         5.56/18 <td< td=""><td></td><td></td><td></td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.3</td><td>21</td><td>2.5y6/8</td><td>Overcast</td><td>27.8</td><td>1004.4</td><td>1.3</td><td>140</td><td></td></td<>				_	_								0.3	21	2.5y6/8	Overcast	27.8	1004.4	1.3	140	
2000         8         1         0         7.5         0.5         20         5.57/15         Raining         28.5         1004.9           2000         8         1         0         0         8.0         0.5         20         5.57/15         Raining         29.3         1006.4           2000         8         1         0         0         8.0         0.5         20         5.57/15         Raining         29.3         1006.4           2000         8         1         0         0         8.0         0.5         20         5.57/15         Raining         29.3         1006.4           2000         8         1         0         0         8.0         0.5         20         5.57/15         Overcast         28.0         1006.4           2000         8         1         0         0         0         0         5         5.0/15         Overcast         28.0         1004.3           2000         8         1         0         0         0         0         0         0         2.54/15         Overcast         28.0         1004.3           2000         8         1         0         0         0	_				_			_					0.5	20	5.5y7/8	Overcast	27.9	1004.4	3.7	120	
2000         8         11         00         8.0         0.5         20         5.57/5         Raining         29.3         1006.4           2000         8         1         00         8.0         0.5         20         5.57/5         Raining         28.6         1006.4           2000         8         1         0         8.0         0.5         20         5.57/5         Overcast         28.1         1006.4           2000         8         1         0         8.0         0.5         20         5.57/5         Overcast         28.0         1004.3           2000         8         1         0         7.0         0.5         20         5.57/5         Overcast         28.0         1004.3           2000         8         1         0         7         0         0.5         20         5.57/5         Overcast         28.0         1004.3           2000         8         1         0         7         0         0.5         2.56/8         Overcast         28.1         1004.3           2000         8         1         0         0         7         0         0.3         2.56/8         Overcast         28.1					$\neg$							7.5	0.5	20	5.5y7/5	Overcast	28.5	1004.9	3.7	150	
2000         8         12         00         8         0         0.5         5.57/75         Raining         28.6         1006.4           2000         8         13         10         8         0         0.5         20         5.57/75         Overcast         28.1         1005.2           2000         8         14         00         8         7.3         0.5         20         5.57/75         Overcast         28.0         1004.3           2000         8         16         0         7.0         0.5         20         5.57/75         Overcast         28.0         1004.3           2000         8         16         0         7.0         0.5         20         5.56/8         Overcast         28.0         1003.9           2000         8         17         0         0.4         20         2.56/8         Overcast         28.1         1004.4           2000         8         18         0 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.0</td> <td>0.5</td> <td>20</td> <td>5.5y7/5</td> <td>Raining</td> <td>29.3</td> <td>1006.4</td> <td>4.1</td> <td>240</td> <td></td>						_						8.0	0.5	20	5.5y7/5	Raining	29.3	1006.4	4.1	240	
2000         8         3         13         00         8         0         0.5         20         5.5y7/5         Overcast         28.0         1004.3           2000         8         3         14         00         7.3         0.5         20         5.5y7/5         Overcast         28.0         1004.3           2000         8         3         15         00         7.0         7.0         0.5         20         5.5y7/5         Overcast         28.0         1004.3           2000         8         3         16         00         7.0         0.5         20         5.5y6/8         Overcast         28.0         1004.3           2000         8         3         17         00         7.0         0.3         20         2.5y6/8         Overcast         28.1         1004.4           2000         8         3         19         00         7.0         0.3         20         2.5y6/8         Overcast         28.3         1004.4           2000         8         3         10         0         7.0         0.3         2.5y6/8         Overcast         28.3         1004.9           11         200         8				_								8.0	0.5	20	5.5y7/5	Raining	28.6	1006.4	3.9	230	
2000         8         3         14         00         8.0         0.5         20         5.5y7/5         Overcast         28.0         1004.3           2000         8         3         15         00         9         7.0         0.5         20         5.5y7/5         Overcast         28.0         1004.3           2000         8         3         16         00         9         7.0         0.4         20         2.5y6/8         Overcast         28.1         1003.9           2000         8         3         17         00         9         7.0         0.3         20         2.5y6/8         Overcast         28.3         1004.3           2000         8         3         19         00         9         7.0         0.3         20         2.5y6/8         Overcast         28.3         1004.9           2000         8         3         19         00         9         113 ° 47'         58 "         8.2         0.8         18         5Gy6/4         Raining         32.3         1004.5           P11         2000         7         31         11         00         8.0         8.0         0.8         16         5Gy6/4 </td <td></td> <td></td> <td></td> <td></td> <td><math>\dashv</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.0</td> <td>0.5</td> <td>20</td> <td>5.5y7/5</td> <td>Overcast</td> <td>28.1</td> <td>1005.2</td> <td>2.9</td> <td>200</td> <td></td>					$\dashv$							8.0	0.5	20	5.5y7/5	Overcast	28.1	1005.2	2.9	200	
2000         8         3         15         00         7.3         0.5         20         5.57/5         Overcast         28.0         1004.3           2000         8         3         16         00         7.0         7.0         0.4         20         5.56/8         Overcast         28.1         1003.9           2000         8         3         17         00         7.0         0.4         20         2.56/8         Overcast         28.3         1004.3           2000         8         3         10         00         2         113 or 47         58 "         8.2         0.8         18         5Gy6/4         Raining         32.3         1004.5           2000         7         11         00         22 or 11'         56 "         113 or 47'         58 "         8.0         0.8         16         Clear         29.9         1004.5         1004.5	_		2000	_								8.0	0.5	20	5.5y7/5	Overcast	28.0	1004.3	2.5	180	
2000         8         3         16         00         7.0         0.5         20         5.56/8         Overcast         28.2         1003.9           2000         8         3         17         00         7.0         0.4         20         2.56/8         Overcast         28.3         1004.3           2000         8         3         19         00         2         113 ° 47′         58 "         8.2         0.8         18         5Gy6/4         Raining         32.3         1004.9         1004.6           P11         2000         7         31         10         00         22 ° 11′         56 "         113 ° 47′         58 "         8.0         0.8         16         5Gy6/4         Raining         32.3         1004.6           2000         7         31         11         00         22 ° 11′         56 "         113 ° 47′         58 "         8.0         0.8         16         5Gy6/4         Clear         29.9         1004.5			2000	$\dashv$	-			_				7.3	0.5	20	5.5y7/5	Overcast	28.0	1004.3	3.1	180	
2000         8         3         17         00         7.0         0.4         20         2.5y6/8         Overcast         28.3         1003.4           2000         8         3         18         00         3         13         10         00         2.5y6/8         0vercast         28.3         1004.3         1004.3           2000         8         3         10         00         113 or 10         100 or 10         1004.5         1004.5         1004.5			2000	$\dashv$	-					$\dashv$		7.0	0.5	20	5.5y6/8	Overcast	28.2	1003.9	6.1	180	
2000         8         3         18         00         20         7.0         0.3         20         2.5y6/8         Overcast         28.3         1004.3           2000         8         3         20         00         20         113 47′         58 ″         8.2         0.8         18         5Gy6/4         Raining         32.3         1004.6           P11         2000         7         31         10         00         22 ° 11′         56 ″         113 ° 47′         58 ″         8.0         0.8         16         5Gy6/4         Raining         32.3         1004.6           2000         7         31         11         00         8.0         0.8         16         5Gy6/4         Clear         29.9         1004.5			2000	$\dashv$	-							7.0	0.4	20	2.5y6/8	Overcast	28.1	1003.4	5.2	190	
2000         8         3         19         00         20         00         22         11         56         113         47         58         8.2         0.8         16         5Gy6/4         Raining         32.3         1004.6           2000         7         31         11         00         22         11         56         "         113         47         58         "         8.0         0.8         16         5Gy6/4         Raining         32.3         1004.6	~		2000	$\dashv$	-								0.3	20	2.5y6/8	Overcast	28.3	1004.3	5.0	210	
2000         8         3         20         00         22 ol 11         56 "         113 ol 47         58 "         8.2         0.8         18         5Gy6/4         Raining         32.3         1004.6           2000         7         31         11         00         8.0         0.8         16         5Gy6/4         Clear         29.9         1004.5	ᄀ		2000	$\dashv$	$\dashv$			-								Overcast	28.3	1004.4	4.7	135	
P11         2000         7         31         10         00         22 ° 11′         56 "         113 ° 47′         58 "         8.2         0.8         18         5Gy6/4         Raining         32.3         1004.6           2000         7         31         11         00         8.0         0.8         16         5Gy6/4         Clear         29.9         1004.5			2000	$\rightarrow$	$\dashv$											Overcast	28.6	1004.9	3.7	150	
2000 7 31 11 00 8.0 0.8 16 5Gy6/4 Clear 29.9 1004.5		P11			_		٥	, 56	0	-		8.2	8.0	18	5Gy6/4	Raining	32.3	1004.6	5.3	240	
	2			_	1 11	00						8.0	0.8	91	5Gy6/4	Clear	29.9	1004.5	8.0	210	

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Sampling time	npling time	ling time	time				<u>۳</u>	Position		Water	er Transnorance	 Water	fanon wotor		Air		Wind	Wind	
M D H Min Latitude Longitude	D H Min Latitude	H Min Latitude	Min Latitude	Latitude	Latitude		Longitud	ongitud	ا دە ،	depth (m)		color (No)	color	Weather	temperature (°C)	All pressure (hPs)	speed (m/s)	direction (°)	Remark
2000 7 31 12 00	31 12	12	_	_					- 1	8.0	0.8	 17	5Gy6/4	Clear	33.9	1004.0	9.5	200	
2000 7 31 13 00	31 13	=	_	_					J	7.5	0.8	81	5Gy6/4	Clear	36.4	1003.5	8.7	190	
2000 7 31 14 00	31 14	4							一	7.1	0.7	17	5Gy6/4	Clear	32.3	1002.5	8.4	200	
2000 7 31 15 00	31, 15	15	_	_					丁	6.3	0.8	18	5Gy6/4	Clear	31.7	1002.7	9.1	200	
2000 7 31 16 00	31 16	9	_	_						6.3	9.0	21	2.5y4/4	Overcast	31.1	1002.6	7.2	200	
2000 7 31 17 00	31 17	17												Overcast	28.9	1003.1	6.9	190	
2000 7 31 18 00	31 18	28	_	_										Overcast	29.9	1003.1	7.7	190	
2000 7 31 19 00	31 19	<u>s</u>	_	_										Overcast	28.4	1003.6	5.8	170	
2000 7 31 20 00	31 20	20							$\dashv$	- [				Overcast	29.2	1003.7	6.4	210	
2000 7 31 21 00	31 21	21	-	-										Overcast	29.1	1004.1	7.5	220	
2000 7 31 22 00	31 22	22							$\dashv$	- 1				Overcast	30.1	1004.9	8.1	210	
2000 7 31 23 00	31 23	23	$\rightarrow$	$\rightarrow$										Overcast	29.4	1005.1	2.9	08	
2000 7 31 00 00	3 8	8	—.L	—.L					$\dashv$	- 1				Overcast	28.4	1005.5	2.7	70	
2000 8 1 01 00	10								$\dashv$	- 1				Overcast	28.5	1005.1	1.2	160	
2000 8 1 02 00	1 02								$\dashv$			$\dashv$		Overcast	28.5	1004.6	1.1	160	
2000 8 1 03 00	1 03	_	_	_					$\dashv$			_		Overcast	27.9	1004.2	6.0	150	
2000 8 1 04 00	1 8	_	_	_					$\dashv$			-		Overcast	27.9	1004.1	0.7	150	
2000 8 1 05 00	1 05	_	_	_					$\dashv$					Overcast	28.1	1004.0	0.9	140	
2000 8 1 06 00	1 06													Overcast	28.1	1004.5	2.1	190	
2000 8 1 07 00	1 07	$\rightarrow$	$\rightarrow$	$\rightarrow$						7.4	0.8	17	5Gy6/4	Overcast	28.5	1004.6	8.0	180	
2000 8 1 08 00	1 08	_	_	_					+	8.2	0.8	91	5Gy6/4	Clear	28.7	1004.7	5.0	210	
2000 8 1 09 00	00 00 1	00 60	00	00					$\dashv$	8.8	1.2	16	5Gy6/4	Overcast	27.9	1005.0	5.1	210	
2000 8 1 10 00	01	_	_	_					$\dashv$	8.8	0.7	19	5Gy6.5/1.5	Overcast	27.0	1005.2	5.7	210	
2000 7 31 10 00 22 24' 31 " 113 52' 36 "	31 10 00 22 24' 31 " 113 52' 36	10 00 22 24' 31 " 113 52' 36	00 22 ° 24′ 31″ 113 ° 52′ 36	00 22 ° 24′ 31″ 113 ° 52′ 36	22 ° 24′ 31″ 113 ° 52′ 36	, 31 " 113 9 52 ' 36	113 ° 52 ′ 36	52 ' 36	- 1	11.0	0.5	81	5.5y7/5	Clear	31.9	1005.2	9.9	240	
2000 7 31 11 00	31 11	Ξ		00					$\dashv$	17.5	0.5	81	5.5y7/5	Clear	32.1	1006.3	8.2	210	
2000 7 31 12 00	31 12 00 1	121 00 1								12.0	0.5	81	5.5y7/5	Clear	31.4	1006 3	8.0	006	

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Point		Sampling time	ling	time	_	P,	Position	Water	Transparence	,	Janan water			Air procento	Wind	Wind	
°Z °Z	7	Σ	q	H	Min	Latitude	Longitude	depth (m)	(m)	color (No)	color	Weather	temperature (°C)		speed (m/s)	direction (°)	Remark
79	2000	7	31	13	00			14.0	0.5	18	5.5y7/5	Raining	31.5	1006.3	11.1	200	
80	2000	7 (	31	14	90			17.0	0.5	18	5.5y7/5	Clear	30.4	1003.2	9.4	061	
81	2000	~	31	15	8			17.0	0.2	20	2.5y6/8	Clear	29.6	1004.3	6.6	190	
82	2000	7	31	19	00			15.5	0.2	20	2.5y6/8	Clear	28.9	1003.2	8.7	185	
83	2000	7	31	17 (	00			13.5	0.2	20	2.5y6/8	Clear	29.4	1004.8	8.2	210	
84	2000	7	31	<u>8</u>	8			12.0	0.2	20	2.5y6/8	Clear	29.3	1004.8	7.3	200	
85	2000	7	31	61	8							Clear	29.4	1004.4	6.0	210	
98	2000	7	31	70	00							Overcast	29.7	1004.7	4.1	210	
87	2000	7	31	21	8							Overcast	29.8	1006.5	5.5	200	
88	2000	7	31	22 (	8							Overcast	29.4	1007.5	4.0	150	
68	2000	7	31	23 (	00							Overcast	28.0	9:9001	3.7	09	
90	2000	∞	$\exists$	8	8			_				Overcast	28.3	1006.9	2.0	140	
91	2000	8	_	0	8							Overcast	28.6	1005.8	2.2	130	
92	2000	8	_	05	00							Raining	28.6	1005.8	4.7	150	
93	2000	∞		3	8							Overcast	28.0	1004.9	3.8	180	
94	2000	∞	_	8	8	·· <b>-</b> ··						Clear	28.0	1004.9	3.7	150	
95	2000	8	1	051	00							Clear	28.1	1004.8	1.9	150	
96	2000	8	_	9	90							Clear	28.4	1005.3	3.3	081	
97	2000	∞	-	02	00			15.0	0.7	14	5Gy6/4	Raining	27.8	1005.4	8.9	210	
86	2000	8	_	80	00			14.0	9.0	15	5Gy6/4	Clear	27.8	1005.8	4.8	210	
66	2000	∞	_	8	8			14.0	0.5	15	5Gy6/4	Clear	27.7	1006.4	2.5	180	
100	2000	∞	_=	2	8	_		14.0	0.5	15	5Gy6/4	Raining	27.9	1006.7	8.0	270	
101 P19	9 2000	∞	=	15 (	00 22	o 11' 57"	113 9 42.' 07 "	4.5	0.5	16	5.5y6/2	Clear	27.8	1004.4	1.5	300	
102	2000	∞	-	16 (	8			4.5	0.5	16	5.5y6/2	Clear	28.0	1004.9	3.4	160	
103	2000	∞	-	12	8			4.3	0.3	19	5.5y7/5	Clear	27.5	1004.9	2.7	190	_
104	2000	<u>∞</u>	-	18	00			4.5	0.2	19	5.5y7/5	Raining	27.4	1005.9	4.4	180	

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No         N         I         Nin         Latitude         Lampitude         (mp)         (mp) <th< th=""><th></th><th>Point</th><th>San</th><th>ıplin</th><th>Sampling time</th><th>me</th><th></th><th>P.</th><th>Position</th><th></th><th>Water</th><th>Transparency</th><th> · ·</th><th>Japan water</th><th>-</th><th></th><th>Air pressure</th><th>Wind</th><th></th><th></th></th<>		Point	San	ıplin	Sampling time	me		P.	Position		Water	Transparency	 · ·	Japan water	-		Air pressure	Wind		
105         8         1         10         0	2°		_					atitude		ongitude	dept (m)			color	Weather	tem	(hPs)	speed (m/s)	u o	Remark
108         2000         8         1         20         0         1         20         20         1         20 <t< td=""><td>105</td><td></td><td><math>\blacksquare</math></td><td>8</td><td>51</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Overcast</td><td>27.4</td><td>1004.9</td><td>5.1</td><td>180</td><td></td></t<>	105		$\blacksquare$	8	51										Overcast	27.4	1004.9	5.1	180	
100         2000         1         1         00         0 </td <td>90</td> <td></td> <td>_</td> <td>∞</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>27.8</td> <td>1006.1</td> <td>5.7</td> <td>220</td> <td></td>	90		_	∞	7										Overcast	27.8	1006.1	5.7	220	
100         2000         8         1         2000         8         1         20         0	107			∞	1 2	-				_					Overcast	28.0	1006.3	4.5	210	
10         2000         8         1         20         0 <td>108</td> <td></td> <td></td> <td>~</td> <td>1 2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>28.0</td> <td>1006.4</td> <td>3.9</td> <td>210</td> <td></td>	108			~	1 2						_				Overcast	28.0	1006.4	3.9	210	
111         2000         8         2         0 <td>109</td> <td></td> <td><math>\rightarrow</math></td> <td>∞</td> <td>1 2.</td> <td><math>\dashv</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>28.3</td> <td>1007.2</td> <td>4.2</td> <td>170</td> <td></td>	109		$\rightarrow$	∞	1 2.	$\dashv$									Overcast	28.3	1007.2	4.2	170	
111         2000         8         2         0 <td>110</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Overcast</td> <td>28.2</td> <td>1007.3</td> <td>3.7</td> <td>081</td> <td></td>	110						_								Overcast	28.2	1007.3	3.7	081	
111         2000         8         2         0 <td>111</td> <td></td> <td>Overcast</td> <td>28.4</td> <td>1006.4</td> <td>5.4</td> <td>190</td> <td></td>	111														Overcast	28.4	1006.4	5.4	190	
113         2000         8         2         00         0 </td <td>112</td> <td>-</td> <td></td> <td>Overcast</td> <td>28.4</td> <td>1006.2</td> <td>5.2</td> <td>200</td> <td></td>	112	-													Overcast	28.4	1006.2	5.2	200	
114         2006         8         104         0<	113		$\Box$												Overcast	28.1	1005.8	5.4	190	
115         2000         8         0 <td>114</td> <td></td> <td></td> <td>_</td> <td></td> <td>Overcast</td> <td>28.3</td> <td>1004.9</td> <td>4.9</td> <td>210</td> <td></td>	114			_											Overcast	28.3	1004.9	4.9	210	
116         2000         8         0 <td></td> <td></td> <td><math>\dashv</math></td> <td></td> <td>Raining</td> <td>28.4</td> <td>1005.6</td> <td>8.7</td> <td>210</td> <td></td>			$\dashv$												Raining	28.4	1005.6	8.7	210	
113         2000         8         2         0         0         6         0         7         19         5.5y7/5         Overcast         26.6         1004.9         2.9           118         2000         8         2         0.8         0         7.0         0.8         16         1066.5/10         Raining         26.7         1005.9         6.3           119         2000         8         2         0.9         0         7         0         0.8         16         1066.5/10         Raining         26.8         1006.9         2.9         6.3         1006.9         2.9         6.3         1006.9         4.5         2.9         6.3         1006.9         4.5         1006.9         4.5         1006.9         4.2         1006.9         4.5         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3         1.0         6.3			$\Box$	$\vdash$											Raining	26.2	1004.4	2.5	120	•
118         2000         8         0         0         7.0         0.8         16         1096,5/10         Raining         26.7         1065.9         6.3           119         2000         8         2         09         0         7.0         0.8         16         1096,5/10         Raining         26.8         1006.9         2.9           120         2000         8         2         10         00         7.0         1.0         1.0         6.8         1006.5         8.2         1006.9         4.5         1.0         1.0         4.5         0.9         1.0         1.0         4.5         1.0         1.0         1.0         4.5         1.0         0.8         1.0         1.0         4.5         1.0         1.0         1.0         4.5         1.0         1.0         1.0         4.5         1.0         1.0         1.0         4.5         1.0         1.0         1.0         4.5         1.0		,					_				0.9	0.7	19	5.5y7/5	Overcast	26.6	1004.9	2.9	180	
2000         8         2         09         00         0         7.0         0.8         16         10y6.5/10         Raining         26.8         1006.9         2.9           2000         8         2         10         0.0         7.0         1.0 <td>1</td> <td></td> <td><math>\dashv</math></td> <td><math>\dashv</math></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7.0</td> <td>8.0</td> <td>16</td> <td>10y6.5/10</td> <td>Raining</td> <td>26.7</td> <td>1005.9</td> <td>6.3</td> <td>210</td> <td></td>	1		$\dashv$	$\dashv$	_						7.0	8.0	16	10y6.5/10	Raining	26.7	1005.9	6.3	210	
2000         8         2         10         00         4.5         0.8         16         5Gy5/8         Raining         26.8         1006.0         4.5           2000         8         2         11         00         7.0         1.0         1.0         1.0         1.0         4.2         1006.5         4.2           2000         8         2         1.3         00         1         6.5         0.9         1.3         5Gy6/4         Overcast         26.6         1006.5         5.1         6.5         6.5         0.9         1.3         5Gy6/4         Overcast         26.6         1006.5         5.7         6.7         7.0         1.0         1.3         5Gy6/4         Overcast         26.9         1006.2         5.7         7.0         1.0 <td< td=""><td>119</td><td></td><td></td><td><math>\dashv</math></td><td><math>\dashv</math></td><td>1</td><td></td><td></td><td></td><td></td><td>7.0</td><td></td><td>91</td><td>10y6.5/10</td><td>Raining</td><td>26.8</td><td>6.9001</td><td>2.9</td><td>160</td><td></td></td<>	119			$\dashv$	$\dashv$	1					7.0		91	10y6.5/10	Raining	26.8	6.9001	2.9	160	
2000         8         1         00         70         10<	120			-							7.5	0.8	16	5Gy5/8	Raining	26.8	1006.0	4.5	150	
2000         8         2         12         00         1         6.5         0.9         13         5Gy6/4         Raining         26.5         1006.5         5.1           2000         8         2         13         00         2         113         48         00"         1.0         1.0         13         5Gy6/4         Overcast         26.9         1006.2         5.7           2000         8         2         14         00         22         113         48         00"         19.3         1.0         14         5Gy6/4         Overcast         26.9         1003.7         3.5           P20         2000         8         1         15         00         22         113         48         00"         19.3         1.0         14         5Gy6/4         Overcast         28.3         1004.2         0.8           2000         8         1         16         00         19.3         1.0         14         5G5/4         Raining         27.9         1004.2         0.8           2000         8         1         16         0         17.3         0         17.3         0         17.3         0         0         17.3 <td>121</td> <td></td> <td></td> <td><math>\dashv</math></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7.0</td> <td></td> <td>15</td> <td>5Gy6/4</td> <td>Overcast</td> <td>26.4</td> <td>1006.5</td> <td>4.2</td> <td>135</td> <td></td>	121			$\dashv$	-						7.0		15	5Gy6/4	Overcast	26.4	1006.5	4.2	135	
2000         8         2         13         00         13         5Gy6/4         Overcast         26.6         1006.2         5.7           2000         8         2         14         00         113         48         00         1.0         1.0         13         5Gy6/4         Overcast         26.9         1005.4         3.5           2000         8         1         15         00         22         113         48         00         1.0         14         5Gy6/4         Overcast         27.0         1003.7         3.5           P20         2000         8         1         15         00         22         11         56         113         48         00         1.0         14         5G5/4         Overcast         27.8         1004.2         0.8           2000         8         1         16         00         18.6         1.0         14         5G5/4         Raining         27.9         1004.5         0.8           2000         8         1         18         00         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8           2000         8         <	122			-							7.0		15	5Gy6/4	Raining	26.5	1006.5	5.1	190	
2000         8         2         14         00         22         11         56         10         7.0         1.0         13         5Gy6/4         Overcast         26.9         1005.4         3.5           2000         8         1         15         00         22 * 11′         56 "         113 * 48 "         00 "         19.3         1.0         14         5G5/4         Overcast         28.3         1004.2         0.8         0.8         9.8         1.0         1.0         18.6         1.0         14         5G5/4         Raining         27.8         1004.5         4.4         9.8         1.2         1.0 <t< td=""><td>123</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td>6.5</td><td></td><td>13</td><td>5Gy6/4</td><td>Overcast</td><td>26.6</td><td>1006.2</td><td>5.7</td><td>210</td><td></td></t<>	123					_					6.5		13	5Gy6/4	Overcast	26.6	1006.2	5.7	210	
2000         8         1         50         1         6         1         7         1         1         6         6         1         5         4         5         6         4         4         6         6         6         8         1         1         6         6         1         6         8         1         6         6         1         6         1         6         7         1         8         1         6         6         7         1         8         1         6         6         7         1         9         1         7         9         1         4         4         5         6         7         9         9         7         1         9 <td>124</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>7</td> <td>1.0</td> <td>13</td> <td>5Gy6/4</td> <td>Overcast</td> <td>26.9</td> <td>1005.4</td> <td>3.5</td> <td>210</td> <td></td>	124				-					-	7	1.0	13	5Gy6/4	Overcast	26.9	1005.4	3.5	210	
P20         2000         8         1         15         00         113° 48′         00 "         19.3         1.0         14         5G5/4         Raining         27.8         1004.5         0.8           2000         8         1         16         00         17.8         1.0         14         5G5/4         Raining         27.9         1003.3         1.2           2000         8         1         18         00         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8           2000         8         1         19         00         10         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8	125										7.0		13	5Gy6/4	Overcast	27.0	1003.7	3.5	160	
2000         8         1         16         00         18.6         1.0         14         5G5/4         Raining         27.8         1004.6         4.4           2000         8         1         17         0         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8           2000         8         1         19         00         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8	126			∞	<u> </u>		22 °	99	113	48,			 14	5G5/4	Overcast	28.3	1004.2	8.0	240	
2000         8         1         17         00         17.3         0.8         19         5G5/4         Raining         27.9         1003.3         1.2           2000         8         1         18         00         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8           2000         8         1         19         00         10         1003.7         4.5	127			~	<u>-</u>						18.6		 14	5G5/4	Raining	27.8	1004.6	4.4	190	
2000         8         1         18         00         17.3         0.8         19         5G5/4         Raining         27.7         1003.5         3.8           2000         8         1         19         00         1         10         1003.7         4.5	128			∞					$\Box$		17.8		41	5G5/4	Raining	27.9	1003.3	1.2	160	
2000 8 1 19 00 Raining 27.5 1003.7 4.5	129		$\overline{}$	∞	1						17.3		19	5G5/4	Raining	27.7	1003.5	3.8	170	
	130	•		∞			_						 		Raining	27.5	1003.7	4.5	170	

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### HYDROLOGICAL DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

Total page 14

SUL	Position	Water		Water			Air	•	Wind	Wind	
À	Longitude	depth (m)	Transparency (m)	color (No)	Japan water color	Weather	ture	Air pressure (hPs)	speed (m/s)	direction (°)	Remark
						Raining	27.8	1004.0	4.5	180	
						Overcast	27.7	1005.0	3.6	160	
						Overcast	27.9	1005.6	3.8	160	
						Overcast	27.7	1006.0	4.5	120	
	-					Overcast	27.9	0.9001	4.2	150	
						Overcast	27.5	1005.5	4.2	120	
						Overcast	28.1	1005.2	2.9	130	
						Overcast	28.3	1004.0	3.2	170	
						Overcast	27.9	1003.6	3.7	160	
						Raining	26.8	1003.2	11.0	210	-
						Raining	25.7	1004.0	4.7	250	
		20.6	1.3	15	5Gy5/8	Raining	25.0	1003.9	9.9	220	
		20.8	1.2	15	5Gy5/6	Raining	24.9	1005.9	6.1	210	
		21.0	1.2	15	5G5/4	Raining	23.9	0.9001	5.4	190	
		20.6	1.4	14	5G5/4	Raining	24.3	9:5001	5.9	190	
		21.0	1.6	14	5G5/4	Raining	25.1	1006.0	4.0	170	
		21.2	1.2	15	5G5/4	Raining	25.9	1006.0	5.8	180	
		21.5	1.2	15	5G5/4	Raining	26.5	1005.5	7.3	200	
		21.1	1.2	15	5G5/4	Raining	26.1	1004.5	2.4	170	
		202	1.2	15	565/4	Raining	177	1003 6	10	061	

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Continuous point in neap tide

Total page 14

Nov   Nov	1	Deint		amp	ling	Sampling time			Posi	Position			$\vdash$	E	Water			Air	Air	Wind	Wind		_
Note   8   9   10   10   10   11   40   10   11   40   10   1				Σ	`	Ξ	Min	Latitu	de	4	ngitu			I ransparency (m)		Japan water color			pressure (hPs)	speed (m/s)	direction (°)	Remark	
2000         8         9         21         60         8         9         1         60         8         7         100         8         7         100         8         7         100         8         7         100         8         7         100         8         7         100         8         7         100         9         10         100         9         10         100         9         10         100         10         100         10         100         100         10         100         100         10         100         <		P01	2000	$\vdash$	6		1	~	-	113 °							Clear	30.5	1005.8	5.1	170		
2000         8         9         2         00         0 <td></td> <td></td> <td>2000</td> <td></td> <td>6</td> <td>-</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>30.3</td> <td>1005.8</td> <td>5.7</td> <td>180</td> <td></td> <td></td>			2000		6	-	8										Clear	30.3	1005.8	5.7	180		
2000         8 10 00         0.	- 1		2000		6		8										Clear	30.1	1006.5	6.2	180		
2000         8         10         00	4		2000		6		8										Clear	29.7	9.9001	7.2	180		
2000         8         10         00         0 <td>- 1</td> <td></td> <td>2000</td> <td>_</td> <td>9</td> <td>8</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>29.2</td> <td>1006.7</td> <td>2.8</td> <td>210</td> <td></td> <td></td>	- 1		2000	_	9	8	8										Clear	29.2	1006.7	2.8	210		
2000         8         10         Clear         28.6         106.5         2.7           2000         8         10         0			2000	;	10	10	00										Clear	29.8	1005.6	2.0	260		
2000         8         10         0 <td>- 1</td> <td></td> <td>2000</td> <td></td> <td>10</td> <td>02</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>28.6</td> <td>1005.9</td> <td>2.7</td> <td>240</td> <td></td> <td></td>	- 1		2000		10	02	8										Clear	28.6	1005.9	2.7	240		
2000         8         10         04         00         0 </td <td>∞</td> <td></td> <td>2000</td> <td>-</td> <td>10</td> <td>03</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>28.5</td> <td>1005.9</td> <td>2.6</td> <td>210</td> <td></td> <td></td>	∞		2000	-	10	03	8										Clear	28.5	1005.9	2.6	210		
2000         8         10         60         00         0 </td <td>6</td> <td></td> <td>2000</td> <td></td> <td>10</td> <td>9</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>28.3</td> <td>1005.8</td> <td>2.9</td> <td>200</td> <td></td> <td></td>	6		2000		10	9	8										Clear	28.3	1005.8	2.9	200		
2000         8   10   06         00         0         27.5         1.0         18         5.576/68         Clear         28.1         1006.1         2.8           2000         8   10   00         00         0         27.3         0.9         17         5.577/5         Clear         28.5         1006.0         3.9           2000         8   10   00         0         0         0         0         20.6         0.8         17         5.576/8         Clear         29.3         1006.0         3.9           2000         8   10   00         0	വ		2000		10	05	8		·								Clear	27.9	1005.3	3.0	210		
2000         8         10         00         0         27.5         0.9         17         5.577/5         Clear         28.5         1006.0         3.9           2000         8         10         08         0         27.3         0.9         17         5.577/5         Clear         29.3         1006.8         24           2000         8         10         0         0         26.6         08         17         5.576/8         Clear         29.5         1007.5         2.5           2000         8         10         0         0         26.1         08         17         5.576/8         Clear         29.5         1007.5         2.5           2000         8         10         10         0         26.1         08         17         5.576/8         Clear         29.5         1007.5         2.3           2000         8         10         10         0         25.1         0.7         18         5.574/4         Clear         33.9         1004.7         3.5           2000         8         10         10         0         24.3         0.7         18         5.574/4         Clear         33.9         1004.7			2000	_	10	90	8						27.5	1.0	18	5.5Y6/8	Clear	28.1	1006.1	2.8	230		
2000         8 10         08 00         0 0         0 0         25.3         0.9         17         5.5Y7/5         Clear         29.3         1006.8         2.4           2000         8 10         09 00         0 0	$\sim$ 1		2000		10	02	8						27.5	6.0	17	5.5Y7/5	Clear	28.5	1006.0	3.9	240		
2000         8         10         6.6         0.8         19         5.5Y6/8         Clear         20.5         1007.5         2.5           2000         8         10         10         0.0         26.1         0.8         17         5.5Y6/8         Clear         30.1         1007.5         2.3           2000         8         10         11         0.0         25.6         0.7         18         5.5Y4/4         Clear         30.1         1007.3         1.7           2000         8         10         12         0.0         23.1         0.7         18         5.5Y4/4         Clear         30.1         1007.3         1.7           2000         8         10         12         0.0         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         14         0.0         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         10         0         24.3         0.7         18         5.5Y4/4         Clear         31.9         1004.4         3.5           2000	തി		2000		10	80	8						27.3	6.0	17	5.5Y7/5	Clear	29.3	1006.8	2.4	240		
2000         8         10         00         26.1         0.8         17         5.5Y6/8         Clear         30.1         1007.5         2.3           2000         8         10         11         00         25.6         0.7         18         5.5Y4/4         Clear         30.1         1007.3         1.7           2000         8         10         12         00         25.1         0.7         18         5.5Y4/4         Clear         34.4         1007.9         1.7           2000         8         10         12         0         24.8         0.7         18         5.5Y4/4         Clear         33.9         1064.7         3.5           2000         8         10         12         0         24.3         0.7         18         5.5Y4/4         Clear         3.9         1064.7         3.3           2000         8         10         16         0         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         16         0         24.3         0.8         18         5.5Y4/4         Clear         31.9         1001.8         4.	₩1		2000		9	60	8		1			$\dashv$	26.6	8.0	61	5.5Y6/8	Clear	29.5	1007.5	2.5	240		
2000         8         10         10         00         25.6         0.7         18         5.5Y4/4         Clear         30.1         1007.3         1.7           2000         8         10         12         00         25.1         0.7         18         5.5Y4/4         Clear         34.4         1005.9         1.6           2000         8         10         13         00         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.5           2000         8         10         14         00         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         15         00         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         16         00         24.3         0.8         18         5.5Y4/4         Clear         31.9         1001.8         4.4           2000         8         10         16         0         1         24.3         0.8         18         5.5Y4/4         Clear         31.9<	101		2000		10	10	8		_				26.1	8.0	17	5.5Y6/8	Clear	30.1	1007.5	2.3	240		
2000         8         10         12         00         1         25.1         0.7         18         5.5Y4/4         Clear         34.4         1005.9         1.6           2000         8         10         13         00         24.8         0.7         18         5.5Y4/4         Clear         33.9         1004.7         3.5           2000         8         10         14         00         24.2         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         15         00         24.2         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         15         00         24.2         0.7         18         5.5Y4/4         Clear         31.4         1001.8         4.4           2000         8         10         16         00         24.3         0.8         18         5.5Y4/4         Clear         31.4         1001.8         4.4           2000         8         10         18         0         25.3         0.8         18         5.5Y1/5         Clear         30.9<	യി		2000	_	2	=	8						25.6	0.7	18	5.5Y4/4	Clear	30.1	1007.3	1.7	250		
2000         8         10         13         00         18         5.5Y4/4         Clear         33.9         1004.7         3.5           2000         8         10         14         00         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         15         00         24.2         0.7         18         5.5Y4/4         Clear         32.9         1004.4         3.3           2000         8         10         16         00         24.2         0.7         18         5.5Y4/4         Clear         31.4         1001.8         4.4           2000         8         10         16         00         24.5         0.9         17         5.5Y7/5         Clear         31.1         1001.8         6.4           2000         8         10         16         00         25.3         0.8         18         5.5Y7/5         Clear         31.1         1002.3         6.6           2000         8         10         10         0         0         0         0         0         0         0         0         0         0         0	~1		2000		10	12	8						25.1	0.7	18	5.5Y4/4	Clear	34.4	1005.9	1.6	150		
2000         8         10         14         00         24.3         0.7         18         5.5Y4/4         Clear         33.9         1004.4         3.3           2000         8         10         15         00         10         10         10         10         100.4         3.3         1001.8         4.6         10         4.6         10         4.6	വ	_	2000		10	13	8						24.8	0.7	18	5.5Y4/4	Clear	33.9	1004.7	3.5	160		
2000         8         10         15         00         10         15         00         10	$-\infty 1$		2000		10	7	8						24.3	0.7	18	5.5Y4/4	Clear	33.9	1004.4	3.3	240		
2000         8         10         16         60         1         24.3         0.8         18         5.5Y4/4         Clear         31.4         1001.8         4.4           2000         8         10         17         0.0         17         5.5Y7/5         Clear         31.3         1001.8         6.4           2000         8         10         18         0.0         18         5.5Y7/5         Clear         31.1         1002.0         6.7           2000         8         10         10         0.0         113 937'         54"         0.0         0.0         113 937'         54"         0.0	വ	_	2000		10	15	8						24.2	0.7	18	5.5Y4/4	Clear	32.9	1003.4	4.6	175		
2000         8         10         17         6.4         0.9         17         5.5Y7/5         Clear         31.3         1001.8         6.4           2000         8         10         18         0.0         18         5.5Y7/5         Clear         31.1         1002.0         6.7           2000         8         10         19         00	_1		2000		10	91	00						24.3	8.0	18	5.5Y4/4	Clear	31.4	1001.8	4.4	170		
2000         8         10         18         0.0         18         5.5 Y 7/5         Clear         31.1         1002.0         6.7           2000         8         10         10         10         10         10         1002.3         1002.3         6.6           P04         2000         8         9         20         10         22 933'         31"         113 937'         54"         10         1006.7         4.4	~ I		2000	_	10	12	8						24.6	6.0	17	5.5Y7/S	Clear	31.3	1001.8	6.4	160		
2000         8         10         19         00         10         10         20         8         10         20         8         10         20         20         30         30         30         30         30         30         30         30         30         4         4           P04         2000         8         9         20         00         22         33         31         113         37         54         8         4	I	_	2000		10	<u>∞</u>	8						25.3	8.0	18	5.5Y7/5	Clear	31.1	1002.0	6.7	091		
2000         8         10         20         00         22         33'         31"         113         37'         54"         30.3         1006.7         4.4	**		2000		10	19	8		1			+					Clear	30.9	1002.3	9.9	180		
P04   2000   8   9   20   00   22   33   31 "   113   37   54 "	101		2000		9	70	00					1					Clear	30.7	1002.3	7.0	170		
	ച	_	$\neg$	_	6	20	00		ž	113							Clear	30.3	1006.7	4.4	180		

Printer:Qiu Ke Shen Checker:Liu Meng Lan Examiner:Zhong Si Sheng

### HYDROLOGICAL DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in neap tide

Total page 14

No   No   No   No   No   No   No   No			Saı	mpli	Sampling time	me		Position	Water	<b>⊢</b>	Water			Air	Air	Wind	Wind	
2000         8         9         21         60         8         9         1         60         8         9         1007.2         30.0         1007.2         3.0         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.8         3.5         1007.9<		No		M	H	Min		Longitude	depth (m)	(m)	color (No)	color	Weather	temperature (°C)	pressure (hPs)	speed (m/s)	direction (°)	Remark
2000         8         9         20         0 <td>27</td> <td></td> <td>2000</td> <td>∞</td> <td></td> <td><b></b>→</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>30.3</td> <td>1007.2</td> <td>5.0</td> <td>170</td> <td></td>	27		2000	∞		<b></b> →							Clear	30.3	1007.2	5.0	170	
2000         8         6         1         0	28		2000	∞							i		Clear	30.2	1007.8	5.5	200	
2000         8 10 00         60         90	29		2000	∞	~-+								Clear	29.8	0.8001	6.1	210	
2000         8         10         00         0 <td>30</td> <td></td> <td>2000</td> <td><math>\dashv</math></td> <td>ightharpoonup</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>29.3</td> <td>1007.4</td> <td>5.9</td> <td>210</td> <td></td>	30		2000	$\dashv$	ightharpoonup								Clear	29.3	1007.4	5.9	210	
2000         8 10         0 </td <td>31</td> <td></td> <td>2000</td> <td><math>\neg</math></td> <td><math>\longrightarrow</math></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>28.8</td> <td>1006.9</td> <td>3.1</td> <td>240</td> <td></td>	31		2000	$\neg$	$\longrightarrow$								Clear	28.8	1006.9	3.1	240	
2000         8         10         0 <td>32</td> <td></td> <td>2000</td> <td>-</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>30.2</td> <td>1006.3</td> <td>1.2</td> <td>260</td> <td></td>	32		2000	-		_							Clear	30.2	1006.3	1.2	260	
2000         8         10         40         60         8         9 </td <td>33</td> <td></td> <td>2000</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>29.8</td> <td>1006.3</td> <td>1.7</td> <td>240</td> <td></td>	33		2000	-									Clear	29.8	1006.3	1.7	240	
2000         8         10         60         0         8         0         0         0         10         0 </td <td>34</td> <td></td> <td>2000</td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Clear</td> <td>29.8</td> <td>1005.8</td> <td>0.7</td> <td>240</td> <td></td>	34		2000	-									Clear	29.8	1005.8	0.7	240	
2000         8   10   06   00         00         8 8         0,5         14   10% 65/10         Clear         29,9   1006.3         2.1           2000         8   10   07   00         00         8 8   0.5   14   10% 65/10         14   10% 65/10         Clear         30,6   1006.8         2.3           2000         8   10   00         00         9 0         9.0   0.8   14   10% 65/10         Clear         28,9   1007.5         2.3           2000         8   10   00         00         9 0         9.1   0.5   0.7   0.5   0.7   0.5   0.7   0.5   0.0	35		2000	-									Clear	30.4	1006.2	3.2	280	
2000         8 10 07 00         8 8         0.5         14         10Y65/10         Clear         30.6         1006.8         2.3           2000         8 10 08 00         9 0         9.0         0.8         14         10Y65/10         Clear         28.9         1007.5         2.3           2000         8 10 00         0.0         9 0         9.0         0.7         14         10Y65/10         Clear         28.9         1007.5         2.3           2000         8 10 10 00         0.0         9.1         0.5         16         5.5Y/5         Clear         29.0         1007.8         2.3           2000         8 10 10 00         0.0	36		2000	-	_								Clear	29.9	1006.3	2.1	230	
2000         8         10         08         14         10Y6,5/10         Clear         289         1007.8         2.3           2000         8         10         90         0         9.3         0.7         14         10Y6,5/10         Clear         290         1007.8         2.3           2000         8         10         10         00         9         9.1         0.5         17         5.5Y6/8         Clear         294         1007.3         2.1           2000         8         10         10         00         9         9.2         0.5         17         5.5Y6/8         Clear         294         1007.3         2.1           2000         8         10         12         0         9.2         0.5         17         5.5Y6/8         Clear         29.9         1007.3         2.1           2000         8         10         10         8.0         0.3         20         5.5Y6/8         Clear         31.4         1002.7         3.9           2000         8         10         10         8.0         0.3         20         5.5Y6/8         Clear         31.4         1002.7         4.3           2000	37		2000							0.5	14	10Y6.5/10	Clear	30.6	1006.8	2.3	210	
2000         8         10         9         3         0.7         14         10Y6.5/10         Clear         29.0         1007.8         2.3           2000         8         10         10         00         9         9.1         0.5         16         5.5Y/5         Clear         29.4         1007.3         2.1           2000         8         10         10         0         8         0         0.5         17         5.5Y68         Clear         29.4         1007.3         2.1           2000         8         10         12         0         8         0         0.3         21         5.5Y68         Clear         30.9         1006.4         2.5           2000         8         10         12         0         8         0         0.3         20         5.5Y68         Clear         30.9         1004.3         2.5           2000         8         10         8         0         0.3         20         5.5Y68         Clear         30.9         1004.3         2.5           2000         8         10         8         0         0.3         20         5.5Y68         Clear         30.9         1003.3	38		2000	<del>- i</del>						0.8	14	10Y6.5/10	Clear	28.9	1007.5	2.3	240	
2000         8         10         0.0         9.1         0.5         16         5.5YY/5         Clear         29.4         1007.3         2.1           2000         8         10         11         0.0         8.7         0.5         17         5.5Y6/8         Clear         29.9         1007.3         3.3           2000         8         10         12         0.0         8.0         0.3         21         5.5Y6/8         Clear         30.0         1006.4         2.5           2000         8         10         13         0.0         8.0         0.3         21         5.5Y6/8         Clear         30.4         1005.7         3.9           2000         8         10         7.8         0.3         20         5.5Y6/8         Clear         30.9         1005.7         3.5           2000         8         10         10         8.0         0.3         20         5.5Y6/8         Clear         30.9         1003.2         3.1           2000         8         10         10         8.0         0.3         20         5.5Y6/8         Clear         31.4         1002.7         4.8           2000         8 <td< td=""><td>39</td><td></td><td>2000</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.7</td><td>14</td><td>10Y6.5/10</td><td>Clear</td><td>29.0</td><td>1007.8</td><td>2.3</td><td>150</td><td></td></td<>	39		2000							0.7	14	10Y6.5/10	Clear	29.0	1007.8	2.3	150	
2000         8         10         9.2         0.5         17         5.5 ¥6.8         Clear         29.9         1007.3         3.3           2000         8         10         12         00         8         7         0.5         20         5.5 ¥6.8         Clear         30.9         1006.4         2.5           2000         8         10         13         00         7         8         0         3.2         5.5 ¥6.8         Clear         30.4         1005.7         3.9           2000         8         10         14         00         7         8         0.3         20         5.5 ¥6.8         Clear         30.4         1005.7         3.9           2000         8         10         16         00         7         8         0.3         20         5.5 ¥6.8         Clear         31.4         1002.7         4.3           2000         8         10         16         0         8         0         0.3         2.7 \$6.8         Clear         31.4         1002.7         4.8           2000         8         10         18         8         0.4         19         5.5 ¥6.8         Clear         31.4	40		2000	$\dashv$						0.5	16	5.5Y7/5	Clear	29.4	1007.3	2.1	180	
2000         8         10         10         00         8         0         5         5         5         5         5         6         1006.4         2         5         5         6 <t< td=""><td>41</td><td></td><td>2000</td><td></td><td></td><td>_</td><td></td><td></td><td></td><td>0.5</td><td>17</td><td>5.5Y6/8</td><td>Clear</td><td>29.9</td><td>1007.3</td><td>3.3</td><td>130</td><td></td></t<>	41		2000			_				0.5	17	5.5Y6/8	Clear	29.9	1007.3	3.3	130	
2000         8         10         13         60         8         0         0.3         21         5.5444         Clear         30.4         1005.7         3.9           2000         8         10         14         60         8         7.8         0.3         20         5.5468         Clear         30.9         1004.3         2.5           2000         8         10         15         60         8         8         0.3         20         5.5468         Clear         31.4         1002.7         4.3           2000         8         10         16         60         8         9         0.3         20         5.5468         Clear         31.4         1002.7         4.3           2000         8         10         16         9         8.3         0.3         20         5.5468         Clear         31.4         1002.7         4.8           2000         8         10         18         8.8         0.4         19         5.5468         Clear         31.4         1002.3         4.1           2000         8         10         10         10         10         10         10         10         10         <	42		2000		_					0.5	20	5.5Y6/8	Clear	30.0	1006.4	2.5	130	
2000         8         10         14         00         8         7         8         0         5 </td <td>43</td> <td></td> <td>2000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.3</td> <td>21</td> <td>5.5Y4/4</td> <td>Clear</td> <td>30.4</td> <td>1005.7</td> <td>3.9</td> <td>150</td> <td></td>	43		2000							0.3	21	5.5Y4/4	Clear	30.4	1005.7	3.9	150	
2000         8         10         15         00         8         0.3         20         5.5Y6/8         Clear         31.0         1003.2         3.1           2000         8         10         16         00         8         9         0.3         20         5.5Y6/8         Clear         31.4         1002.7         4.3           2000         8         10         17         00         8         9         0.4         19         5.5Y6/8         Clear         31.4         1002.3         4.1           2000         8         10         18         8         0.4         19         5.5Y6/8         Clear         31.4         1002.3         4.1           2000         8         10         19         00         2.2         24         20         8.8         0.4         19         5.5Y6/8         Clear         31.0         1002.3         4.1           2000         8         10         19         0         13         45         0         8.8         0.4         19         5.5Y6/8         Clear         31.0         1002.3         4.1           2000         8         10         20         2.24         29	44		2000	+	$\rightarrow$					0.3	20	5.5Y6/8	Clear	30.9	1004.3	2.5	170	
2000         8         10         16         00         8.0         0.3         20         5.5Y6/8         Clear         31.4         1002.7         4.3           2000         8         10         17         00         8.3         0.3         20         5.5Y6/8         Clear         31.5         1002.3         5.1           2000         8         10         18         0.0         8.8         0.4         19         5.5Y6/8         Clear         31.4         1002.3         4.1           2000         8         10         19         0.0         2.5Y6/8         Clear         31.4         1002.3         4.1           P11         2000         8         10         10         0.4         19         5.5Y6/8         Clear         31.0         1002.3         4.1           P11         2000         8         10         13         4.5         0.8         0.4         19         5.5Y6/8         Clear         31.0         1002.3         4.1           2000         8         1         10         0.0         2.2 24.4         29.4         10.4         0.0         1.5         10.0         0.0         0.0         0.0         0	45		2000	$\dashv$						0.3	20	5.5Y6/8	Clear	31.0	1003.2	3.1	150	
2000         8         100	46		2000							0.3	20	5.5Y6/8	Clear	31.4	1002.7	4.3	170	
2000         8         100         18         6         8.5         0.4         19         5.5Y6/8         Clear         31.4         1002.2         4.8           2000         8         10         10         10         10         10         1002.3         4.1           P11         2000         8         10         10         113 45'         00"         6.5         0.8         15         10Y6.5/10         Clear         31.0         1002.7         6.4           P11         2000         8         7         10         00         22 2 24'         29"         113 45'         00"         6.5         0.8         15         10Y6.5/10         Clear         28.4         1009.8         2.1           2000         8         7         11         00         22 2 24'         29"         113 45'         00"         6.0         0.7         15         10Y6.5/10         Clear         28.4         1000.8         2.1	47		2000	$\dashv$		—↓				0.3	20	5.5Y6/8	Clear	31.5	1002.3	5.1	170	
2000         8         10         19         00         10         19         00         10         5.5 Ve/s         113         4.1	48		2000	-	—₊					0.4	19	5.5Y6/8	Clear	31.4	1002.2	4.8	150	
P11         2000         8         10         20         22 ° 24 ′         29 ″         113 ° 45 ′         00 ″         6.5         0.8         15         10Y6.5/10         Clear         28.4         1009.8         2.1           2000         8         7         11         00         22 ° 24 ′         29 ″         113 ° 45 ′         00 ″         6.0         0.7         15         10Y6.5/10         Clear         28.8         1010.0         2.3	46		2000							0.4	19	5.5Y6/8	Clear	31.2	1002.3	4.1	180	
P11         2000         8         7         10         00         22 ° 24 ′ 29 ″ 113 ° 45 ′ 00 ″         6.5         0.8         15         10Y6.5/10         Clear         28.4         1009.8         2.1           2000         8         7         11         00         22 ° 24 ′ 29 ″         113 ° 45 ′ 100 ″         6.0         0.7         15         10Y6.5/10         Clear         28.8         1010.0         2.3	50		2000	<del>- +</del>									Clear	31.0	1002.7	6.4	210	
2000 8 7 11 00 6.0 0.7 15 10Y6.5/10 Clear 28.8 1010.0 2.3		PII	2000	∞	<del>- +</del>		° 24′ 29	113 ° 45′ 00		8.0	15	10Y6.5/10	Clear	28.4	8.6001	2.1	120	
	52	$\neg$	2000		$\overline{}$					0.7	15	10Y6.5/10	Clear	28.8	1010.0	2.3	240	

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Continuous point in neap tide

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Semuling time Desition Water	Compling time Position Water	Position	Docition	Docition	Position	Water	Water	ater	上	Water	Г			Air	Air	Wind	Wind	
Transparency	Samping unite resident	Transparency	Transparency	Transparency	Transparency	Transparency	Transparency	Transparency				Japan water			ŧ	7	,	
	M D H Min Latitude Longitude (m) (m)	D H Min Latitude Longitude (m) (m)	H Min Latitude Longitude (m) (m)	Min Latitude Longitude (m) (m)	Latitude Longitude (m) (m)	Longitude (m) (m)	depth (m)	(m)		•	color (No)	color	Weather	temperature (°C)	pressure (hPs)	speed (m/s)	direction (°)	Kemark
2000 8 7 12 00 1.0	8 7 12 00 7.2	7 12 00 7.2	12 00	00	7.2				1.0		15	10Y6.5/10	Clear	28.2	1009.7	3.8	220	
2000 8 7 13 00 7.2 0.8	8 7 13 00 7.2	7 13 00 7.2	13 00 7.2	00 7.2	7.2	7.2	7.2	7.2	8.0		15	10Y6.5/10	Clear	28.6	1009.3	5.1	170	
2000 8 7 14 00 8 8.2 0.8	8 7 14 00 8.2	7 14 00 8.2	14 00 8.2	00 8.2	8.2				8.0		15	10Y6.5/10	Clear	29.0	1009.2	4.3	150	
2000 8 7 15 00 8 0.8	8.0 8.0 0.8	7 15 00 8.0 0.8	15 00 1 8.0 0.8	8.0 0.8	8.0 0.8	8.0	8.0	8.0			14	10Y6.5/10	Clear	30.2	1008.7	5.5	170	
2000 8 7 16 00 7.8 0.8	8 7 16 00 7.8 0.8	7 16 00 7.8 0.8	16 00 7.8 0.8	7.8 0.8	7.8 0.8	8.0 8.	8.0 8.	8.0 8.			14	10Y6.5/10	Clear	30.6	6.7001	5.7	190	
2000 8 7 17 00 8.0 0.9	8 7 17 00 6.9	7 17 00 6.9	17 00 8.0 0.9	6.0 0.8 0.9	6.0 0.8	6.0	6.0	6.0			4	10Y6.5/10	Clear	29.4	1007.7	7.6	170	
2000 8 7 18 00 8.0 0.9	8.0 0.9	7 18 00 8.0 0.9	18 00 8.0 0.9	6.0 8.0 0.9	8.0 0.9	6.0	6.0	6.0			15	10Y6.5/10	Clear	29.4	1.001	7.1	180	
2000 8 7 19 00 7.8 0.9	8 7 19 00 7.8 0.9	7 19 00 7.8 0.9	19 00 7.8 0.9	00 7.8 0.9	7.8 0.9	6.0	6.0	6.0			15	10Y6.5/10	Clear	29.2	1008.2	6.7	160	
2000 8 7 20 00	8 7 20	7 20	20		00								Clear	29.2	1.6001	6.9	170	
2000 8 7 21 00	8 7 21	7 21	21	$\dashv$	00								Clear	28.6	1010.2	6.7	170	
2000 8 7 22 00	8 7 22	7 22	22	_	00								Clear	28.6	1010.6	5.8	170	
2000 8 7 23 00	8 7 23	7 23	23		00								Clear	28.6	1010.8	6.3	150	
2000 8 8 00 00	8 8	8	8		00	And the second s				1			Clear	28.5	1010.7	6.1	150	
2000 8 8 01 00	8 8 01	8 01	10	$\rightarrow$	00								Clear	28.6	1010.3	4.6	170	
2000 8 8 02 00	8 8 02	8 02	02		00								Clear	28.8	1010.2	4.4	210	
2000 8 8 03 00	8 8 03	8 03	03		00								Clear	28.8	9.0101	3.4	200	
2000 8 8 04 00	8 8 04	8 04	20	_	00								Clear	28.8	1010.3	2.5	150	
2000 8 8 05 00	8 8 05	8 05	0.5		00								Clear	29.0	1010.3	1.9	170	
2000 8 8 06 00 1.0	8 8 06 00 8 8.0	8 06 00 8.0	0.8 00 90	00	0.8				1.0	ļ	15	10Y6.5/10	Clear	28.0	1009.4	1.7	120	
2000 8 8 07 00 8.0 1.2	8 8 07 00 8.0	8 07 00 8.0	07 00 8.0	00 8:0	8.0				1.2		13	10Y6.5/10	Clear	28.2	1009.5	3.3	100	
2000 8 8 08 00 1.5	8 8 08 00 8.0	8 08 00 8.0	08 00 80	00 8:0	8.0				1.5		13	10Y6.5/10	Clear	28.5	1010.0	2.7	100	
2000 8 8 09 00 1.4	8 8 09 00 7.8	8 09 00 7.8	00 00	00 7.8	7.8				1.4		13	10Y6.5/10	Clear	29.0	1010.6	2.3	120	
2000 8 8 10 00 1.2	8 8 10 00 7.5	8 10 00 7.5	10 00 1	00 7.5	7.5	_	_	_	1.2		15	10Y6.5/10	Clear	30.3	1010.9	2.0	06	
P12 2000 8 7 10 00 22 24' 32 " 113 52' 37 " 13.0 1.0	8 7 10 00 22 24' 32" 113 52' 37" 13.0	7 10 00 22 24 32 " 113 52' 37 " 13.0	10 00 22 24 32 " 113 52 37 " 13.0	00 22 0 24 / 32 " 113 0 52 / 37 " 13.0	22 ° 24 ′ 32 ″ 113 ° 52 ′ 37 ″ 13.0	24' 32 " 113 º 52' 37 " 13.0	. 52' 37" 13.0	_	0.1		15	5GY5/8	Clear	29.9	1009.4	2.2	180	
2000 8 7 11 00 1 13.7 0.9	8 7 11 00 13.7	7 11 00 11.7	11 00 1 13.7	00 13.7	13.7				6.0		15	5GY5/8	Clear	30.1	1008.5	2.6	240	
2000 8 7 12 00 1.1	8 7 12 00 14.2	7 12 00 14.2	12 00 1 14.2	00	14.2				1.1		14	SGY5/8	Clear	29.5	1008.1	3.7	260	

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### HYDROLOGICAL DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in neap tide

Total page 14

No         Y         M         D         H         Min         Latitude         Longitude           2000         8         7         13         00         6         7         14         00         7         14         00         7         14         00         7         14         00         8         7         15         00         9	depth (m) (m) (13.9 1 15.0 1 15.0 1 14.3 1 14.4 1 14.4	1.1 (No) (1.1 15 1.1 15 1.1 15 1.1 14 1.2 14 1.2 14 1.3 14	2 Color Color SGY5/8 SGY5/8 SGY6/4 SGY6/4 SGY6/4 SGY6/4 SGY6/4 SGY6/4 SGY6/4 SGY6/4 SGY6/4	Weather Clear	(°C) (°C) 29.9 30.7 31.5 32.1 31.8 30.7 29.6 29.1 28.7 28.5	(hPs) 1008.3 1008.5 1008.0 1007.2 1007.1	speed (m/s) 3.2 2.0 3.5	direction (°)	Remark
8 7 13 8 7 14 8 7 15 8 7 15 8 7 15 8 7 20 8 8 7 20 8 8 7 20 8 8 7 21 8 8 7 21 8 8 8 00 8 8 8 01 8 8 8 03			5GY5/8 5GY5/8 5GY6/4 5GY6/4 5GY6/4 5GY6/4	Clear	29.9 30.7 31.5 32.1 31.8 30.7 29.6 29.1 28.7 28.5	1008.5 1008.5 1007.2 1007.1	3.2	250	
8 7 14 8 7 15 8 7 16 8 7 16 8 7 20 8 7 21 8 7 22 8 7 23 8 7 23 8 8 7 23 8 8 8 00 8 8 8 01 8 8 8 03	6 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		5GY5/8 5GY6/4 5GY6/4 5GY6/4 5GY6/4	Clear	30.7 31.5 32.1 31.8 30.7 29.6 29.1 28.7 28.5	1008.0 1008.0 1007.2 1007.1	2.0		
8 7 15 8 7 16 8 7 17 8 7 19 8 7 20 8 7 21 8 7 23 8 8 7 23 8 8 8 00 8 8 8 01 8 8 8 03	9 0 0 6		5GY5/8 5GY6/4 5GY6/4 5GY6/4 5GY6/4	Clear Clear Clear Clear Clear Clear Clear Clear Clear	31.5 32.1 31.8 30.7 29.1 29.1 28.7 28.5	1008.0	7.	240	
8 7 16 8 7 17 8 7 18 8 7 20 8 7 21 8 7 21 8 7 22 8 7 23 8 8 7 23 8 8 00 8 8 8 01 8 8 8 03	0 6 7 3 3		5GY6/4 5GY6/4 5GY6/4	Clear Clear Clear Clear Clear Clear Clear Clear	32.1 31.8 30.7 29.6 29.1 28.7 28.5	1007.2	;;	240	
8 7 17 8 7 18 8 7 19 8 7 21 8 7 22 8 7 23 8 8 00 8 8 8 01 8 8 8 03	8 8 4		5GY6/4 5GY6/4 5GY6/4	Clear Clear Clear Clear Clear Clear	31.8 30.7 29.6 29.1 28.7 28.5	1007.1	1.7	220	
8 7 18 8 7 20 8 7 21 8 7 22 8 7 23 8 8 00 8 8 8 01 8 8 8 03	4 4 3		5GY6/4 5GY6/4	Clear Clear Clear Clear Clear	30.7 29.6 29.1 28.7 28.6	1007 4	5.5	210	
8 7 19 8 7 20 8 7 21 8 7 23 8 7 23 8 8 00 8 8 8 01 8 8 8 03	4		5GY6/4	Clear Clear Clear Clear	29.6 29.1 28.7 28.6 28.5	1,001	4.5	170	
8 7 20 8 7 21 8 7 22 8 7 23 8 8 00 8 8 01 8 8 02 8 8 03				Clear Clear Clear Clear	29.1 28.7 28.6 28.5	1007.9	3.8	150	
8 7 21 8 7 22 8 7 23 8 8 00 8 8 01 8 8 02 8 8 03				Clear Clear Clear	28.7 28.6 28.5	1008.2	3.6	160	
8 7 22 8 7 23 8 8 00 8 8 01 8 8 02 8 8 03				Clear	28.6	1010.0	1.8	160	
8 8 00 8 8 01 8 8 02 8 8 03				Clear	28.5	1010.1	4.0	150	
8 8 00 8 8 8 01 8 8 03 8 8 03						1010.5	3.5	150	
8 8 02 8 8 02 8 8 03				Clear	28.1	8.6001	2.4	120	
8 8 02 8 8 03				Clear	27.9	1010.3	2.2	120	
8 8 03				Clear	27.9	1010.1	2.9	120	
				Clear	27.9	1009.3	1.1	110	
2000 8 8 04 00				Clear	27.8	1009.0	1.1	09	
2000 8 8 05 00				Clear	27.5	6.8001	1.8	70	
2000 8 8 06 00	15.3	1.0	5GY6/4	Clear	27.7	1009.3	2.2	70	
2000 8 8 07 00		1.0 15	SGY5/8	Clear	27.9	1009.4	2.3	80	
2000 8 8 08 00		0.9	5GY5/8	Clear	28.4	1009.9	2.7	70	
2000 8 8 09 00		0.9	\$GY5/8	Clear	29.7	1010.7	1.3	09	
2000 8 8 10 00 1		0.9	5GY6/4	Clear	30.7	1010.3	0.5	09	
P19 2000 8 8 14 00 22 11' 56 " 113 42' 00 "	6.0	1.5 13	10Y6.5/10	Clear	29.1	1010.4	4.1	210	
2000 8 8 15 00	6.8	1.2 13	10Y6.5/10	Clear	30.2	1009.4	5.1	210	
2000 8 8 16 00		1.1 13	10Y6.5/10	Clear	30.2	1009.3	5.0	220	
2000 8 8 17 00	6.8	1.0	10Y6.5/10	Clear	29.8	1008.8	5.2	210	

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Continuous point in neap tide

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Japan water color         Weather color         temperature color         pressure (PPs)         tim/s)         d           10Y6.5/10         Clear         29.6         1008.8         4.8           10Y6.5/10         Clear         29.2         1009.1         4.5           10Y6.5/10         Clear         29.2         1009.7         2.9           10Y6.5/10         Clear         29.0         1010.7         3.9           Clear         29.0         1010.7         3.9           Clear         29.0         1008.8         4.5           Clear         29.0         1008.8         4.5           Clear         29.0         1008.3         3.0           Clear         29.0         1008.7         3.6           Clear         29.0         1008.3         3.1           IOY6.5/10         Clear         28.8         1009.0         3.1           IOY6.5/10         Clear         28.8         1009.7         2.9           IOY6.5/10         Clear         28.4         1010.3         2.1           IOY6.5/10         Clear         28.4         1010.3         2.1           IOY6.5/10         Clear         29.4         1010.3	Sampling time	L	mpling time	ling time	time			٦	Position		Water		Water			Air	Air	Wind	Wind	
13   10Y6.5/10   Clear   29.6   1008.8   4.8   4.8   4.5   1076.5/10   Clear   29.2   1009.1   4.5	Ain Latitude Longitude	Y M D H Min Latitude Longitude	Ain Latitude Longitude	Ain Latitude Longitude	Ain Latitude Longitude	Ain Latitude Longitude	Longitude	ongitude	1	<del>8</del> )	epth (m)	Iransparency (m)	color (No)	Japan water color	Weather	temperature (°C)	pressure (hPs)	sbeed (m/s)	direction (°)	Remark
13   10Y6.5/10   Clear   29.2   1009.1   4.5     Clear   29.2   1009.7   2.9     Clear   29.0   1010.1   3.1     Clear   29.0   1010.8   3.8     Clear   29.0   1010.8   3.8     Clear   28.9   1010.3   3.0     Clear   28.9   1009.3   3.8     Clear   29.0   1008.8   4.5     Clear   29.0   1008.8   4.5     Clear   29.0   1008.8   3.1     Clear   29.0   1008.8   3.1     Clear   29.0   1008.9   3.1     Clear   29.0   1008.7   3.0     Clear   28.8   1008.7   3.0     14   10Y6.5/10   Clear   28.8   1010.5   2.0     13   10Y6.5/10   Clear   28.8   1010.3   2.1     14   10Y6.5/10   Clear   28.9   1010.3   1.6     15   10Y6.5/10   Clear   29.4   1010.3   1.6     14   10Y6.5/10   Clear   29.1   1009.8   2.7     15   50Y5/8   Clear   30.4   1008.3   5.9     16   50Y5/8   Clear   32.9   1009.1   1.5     17   50Y5/8   Clear   32.7   1009.1   2.7     18   50Y5/8   Clear   32.7   1009.1   2.7     19   50Y5/8   Clear   32.7   1009.1   2.7     10   50Y5/8   Clear   32.7   1009.1   2.7     11   50Y5/8   Clear   32.7   1009.1   2.7     12   50Y5/8   Clear   32.7   1009.1   2.7     13   50Y5/8   Clear   32.7   1009.1   2.7     14   50Y5/8   Clear   32.7   1009.1   2.7     15   50Y5/8   Clear   32.7   1009.1   2.7     17   50   50   50   50   50   50     18   50Y5/8   Clear   32.7   50   50     19   50Y5/8   Clear   32.7   50   50     10   50Y5/8   Clear	2000 8 8 18 00	8 8 18 00	8 18 00	18 00	00		8.9	8.9	6.8	6.8		1.1	13	10Y6.5/10	Clear	29.6	1008.8	4.8	210	
Clear         29.2         1009.7         2.9           Clear         29.0         1010.1         3.1           Clear         29.0         1010.1         3.1           Clear         29.0         1010.3         3.8           Clear         29.0         1010.8         3.8           Clear         28.9         1010.3         3.8           Clear         28.9         1009.3         3.8           Clear         28.9         1008.3         3.8           Clear         29.0         1008.3         3.7           Clear         28.8         1008.3         3.1           Clear         28.8         1008.3         3.1           14         10Y6.5/10         Clear         28.8         1009.7         2.9           13         10Y6.5/10         Clear         28.8         1009.7         2.0           13         10Y6.5/10         Clear         28.8         1010.5         2.1           13         10Y6.5/10         Clear         28.9         1010.3         2.1           14         10Y6.5/10         Clear         29.4         1010.3         2.1           14         10Y6.5/10         <	2000 8 8 19 00 6.7	8 8 19 00	00 61 8	00 61	00		6.7	6.7	6.7	6.7		1.0	13	10Y6.5/10	Clear	29.2	10001	4.5	150	
Clear         29.0         1010.1         3.1           Clear         29.0         1010.7         3.9           Clear         29.0         1010.8         3.8           Clear         29.0         1010.8         3.8           Clear         28.9         1010.3         3.8           Clear         28.9         1009.3         3.8           Clear         29.0         1008.8         4.5           Clear         29.0         1008.3         3.9           Clear         28.8         1008.7         3.6           Clear         28.8         1008.5         3.9           Clear         28.8         1008.5         3.9           14         10Y6.5/10         Clear         28.8         1009.7         2.9           13         10Y6.5/10         Clear         28.8         1010.3         1.6           13         10Y6.5/10         Clear         28.9         1010.3         2.1           14         10Y6.5/10         Clear         29.4         1010.3         1.6           13         10Y6.5/10         Clear         29.4         1009.2         3.3           14         10Y6.5/10         <	2000 8 8 20 00	8 8 20	8 20	20		00									Clear	29.2	1009.7	2.9	150	
Clear   29.0   1010.7   3.9	2000 8 8 21 00	8 8 21	8 21	21	_	00									Clear	29.0	1010.1	3.1	170	
Clear   29.0   1010.8   3.8	2000 8 8 22 00	8 8 22	8 22	22		00			i						Clear	29.0	1010.7	3.9	081	
Clear 28.9   1010.3   3.0     Clear 28.9   1009.3   3.8     Clear 29.0   1008.8   4.5     Clear 29.0   1008.7   3.6     Clear 29.0   1008.3   3.7     Clear 29.0   1008.3   3.7     Clear 29.0   1008.3   3.7     Clear 28.8   1008.5   3.9     Clear 28.8   1008.5   3.9     Clear 28.8   1009.0   3.1     Overcast 28.8   1009.0   3.1     Overcast 28.8   1009.7   2.9     13   10Y6.5/10   Clear 28.8   1010.3   2.1     13   10Y6.5/10   Clear 28.9   1010.3   2.1     14   10Y6.5/10   Clear 29.4   1010.3   2.7     15   5GY5/8   Clear 30.4   1008.3   5.9     14   5GY5/8   Clear 32.9   1009.1   1.5     15   5GY5/8   Clear 32.7   1009.1   2.7     16   5GY5/8   Clear 32.1   1008.5   2.6     16   5GY5/8   Clear 32.1   1008.5   2.6     17   5GY5/8   Clear 32.1   1008.5   2.6     18   5GY5/8   Clear 32.1   1008.5   2.6     19   5GY5/8   Clear 32.1   1008.5   2.6     10   5GY5/8   Clear 32.1   1008.5   2.6     10   5GY5/8   Clear 32.1   1008.5   2.6     10   5GY5/8   Clear 31.1   5008.5   2.6	2000 8 8 23 00	8 8 23	8 23	23		00									Clear	29.0	1010.8	3.8	210	
Clear         28.9         1009.3         3.8           Clear         29.0         1008.8         4.5           Clear         29.0         1008.7         3.6           Clear         29.0         1008.7         3.6           Clear         28.8         1008.3         3.7           Clear         28.8         1008.5         3.9           Clear         28.8         1008.5         3.9           14         10Y6.5/10         Clear         28.8         1010.5         2.1           13         10Y6.5/10         Clear         28.9         1010.5         2.1           13         10Y6.5/10         Clear         28.9         1010.3         1.6           14         10Y6.5/10         Clear         28.9         1010.3         1.6           13         10Y6.5/10         Clear         29.4         1010.3         1.6           14         10Y6.5/10         Clear         29.1         1009.2         3.3           14         10Y6.5/10         Clear         29.1         1008.3         5.9           15         5GYS/8         Clear         33.3         1009.5         1.5           14	2000 8 9 00 00	8 9 00	9	8		00									Clear	28.9	1010.3	3.0	190	
Clear	2000 8 9 01 00	8 9 01	9 01	0		00									Clear	28.9	1009.3	3.8	180	
Clear         29.0         1008.7         3.6           Clear         28.8         1008.3         3.7           Clear         28.8         1008.5         3.9           14         10Y6.5/10         Clear         28.8         1009.0         3.1           13         10Y6.5/10         Clear         28.8         1010.5         2.9           13         10Y6.5/10         Clear         28.6         1010.5         2.1           13         10Y6.5/10         Clear         28.9         1010.3         2.0           13         10Y6.5/10         Clear         29.4         1010.3         1.6           14         10Y6.5/10         Clear         29.5         1009.8         2.7           14         10Y6.5/10         Clear         29.5         1009.8         2.7           14         5GY5/8         Clear         32.9         1009.5         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.9         1009.1         2.7           15         5GY5/8         Clear         32.7         1009.1         2.7	2000 8 9 02 00	8 9 02	9 02	02		00									Clear	29.0	1008.8	4.5	200	
Clear         28.8         1008.3         3.7           14         Overcast         28.8         1008.5         3.9           14         10Y6.5/10         Clear         28.8         1009.0         3.1           13         10Y6.5/10         Clear         28.8         1010.5         2.9           13         10Y6.5/10         Clear         28.6         1010.7         2.0           13         10Y6.5/10         Clear         28.9         1010.3         2.1           13         10Y6.5/10         Clear         29.4         1010.3         2.1           14         10Y6.5/10         Clear         29.1         1009.8         2.7           14         10Y6.5/10         Clear         29.1         1009.2         3.3           15         5GY5/8         Clear         30.4         1009.2         3.5           14         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.9         1009.1         2.7           15         5GY5/8         Clear         32.7         1009.1         2.7           16         5GY5/8         Clear         32.1	2000 8 9 03 00	8 9 03	9 03	03		00									Clear	29.0	1008.7	3.6	210	
Clear   28.8   1008.5   3.9     14   10Y6.5/10   Clear   28.8   1009.7   2.9     14   10Y6.5/10   Clear   28.8   1010.5   2.1     13   10Y6.5/10   Clear   28.9   1010.7   2.0     13   10Y6.5/10   Clear   28.9   1010.3   2.1     14   10Y6.5/10   Clear   29.4   1010.3   1.6     15   10Y6.5/10   Clear   29.5   1009.8   2.7     16   10Y6.5/10   Clear   29.1   1009.2   3.3     17   10Y6.5/10   Clear   30.4   1008.3   5.9     18   5GY5/8   Clear   32.9   1009.1   1.5     19   5GY5/8   Clear   32.7   1009.1   2.7     10   5GY5/8   Clear   32.1   1006.8   4.0     10   5GY5/8   Clear   32.1   1006.8   4.0     11   5GY5/8   Clear   32.1   1006.8   4.0     12   5GY5/8   Clear   31.1   1008.5   2.6     13   5GY5/8   Clear   31.1   1008.5   2.6     14   5GY5/8   Clear   31.1   1008.5   2.6     15   5GY5/8   Clear   31.1   1008.5   2.6     16   5GY5/8   Clear   31.1   1008.5   2.6     17   5GY5/8   Clear   31.1   1008.5   2.6     18   5GY5/8   Clear   31.1   1008.5   2.6     19   5GY5/8   Clear   31.1   1008.5   2.6	2000 8 9 04 00	8 9 \$	о 8	ষ্		00									Clear	28.8	1008.3	3.7	250	
14         I0Y6.5/I0         Clear         28.7         1009.0         3.1           14         I0Y6.5/I0         Clear         28.8         1010.5         2.9           13         I0Y6.5/I0         Clear         28.8         1010.7         2.0           13         I0Y6.5/I0         Clear         28.9         1010.7         2.0           13         I0Y6.5/I0         Clear         29.4         1010.3         2.1           14         I0Y6.5/I0         Clear         29.5         1009.8         2.7           14         I0Y6.5/I0         Clear         29.5         1009.8         2.7           14         I0Y6.5/I0         Clear         29.1         1009.2         3.3           14         I0Y6.5/I0         Clear         29.1         1009.2         3.5           15         5GY5/8         Clear         33.3         1009.5         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16	2000 8 9 05 00	8 9 05	9 05	0.5		00									Clear	28.8	1008.5	3.9	250	
14         10Y6.5/10         Clear         28.8         1009.7         2.9           14         10Y6.5/10         Clear         28.8         1010.5         2.1           13         10Y6.5/10         Clear         28.9         1010.7         2.0           13         10Y6.5/10         Clear         29.4         1010.3         1.6           14         10Y6.5/10         Clear         29.5         1009.8         2.7           13         10Y6.5/10         Clear         29.5         1009.2         3.3           14         10Y6.5/10         Clear         29.1         1009.2         3.3           14         10Y6.5/10         Clear         30.4         1009.3         5.9           15         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 06 00	90 6 8	90 6	90		00									Overcast	28.7	1009.0	3.1	300	
14         10Y6.5/10         Clear         28.8         1010.5         2.1           13         10Y6.5/10         Clear         28.6         1010.7         2.0           13         10Y6.5/10         Clear         28.9         1010.3         2.1           14         10Y6.5/10         Clear         29.4         1010.3         1.6           13         10Y6.5/10         Clear         29.5         1009.8         2.7           14         10Y6.5/10         Clear         29.1         1009.2         3.3           14         10Y6.5/10         Clear         30.4         1008.3         5.9           15         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         1.5           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 07 00 7.8	8 9 07 00	9 07 00	00 00	00		7.8	7.8	7.8	~		1.1	14	10Y6.5/10	Clear	28.8	1009.7	2.9	250	
13         10Y6.5/10         Clear         28.6         1010.7         2.0           13         10Y6.5/10         Clear         28.9         1010.3         1.6           14         10Y6.5/10         Clear         29.5         1009.8         2.7           13         10Y6.5/10         Clear         29.1         1009.2         3.3           14         10Y6.5/10         Clear         30.4         1008.3         5.9           15         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.7         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         32.1         1008.5         2.6	2000 8 9 08 00 7.0	8 9 08 00	00 80 6	00 80	00		7.0	7.0	7.0	2.7		8.0	14	10Y6.5/10	Clear	28.8	1010.5	2.1	310	
13         10Y6.5/10         Clear         28.9         1010.3         2.1           13         10Y6.5/10         Clear         29.4         1010.3         1.6           14         10Y6.5/10         Clear         29.5         1009.8         2.7           14         10Y6.5/10         Clear         29.1         1009.2         3.3           15         5GY5/8         Clear         30.4         1008.3         5.9           14         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 09 00 7.1	00 60 6 8	00 60 6	00 60	96		7.1	7.1	7.1	7.		1.0	13	10Y6.5/10	Clear	28.6	1010.7	2.0	290	
13         10Y6.5/10         Clear         29.4         1010.3         1.6           14         10Y6.5/10         Clear         29.5         1009.8         2.7           13         10Y6.5/10         Clear         29.1         1009.2         3.3           14         10Y6.5/10         Clear         30.4         1008.3         5.9           15         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 10 00 6.7	8 9 10 00	9 10 00	10 00	00		(2)	9.	9	او:		1.1	13	10Y6.5/10	Clear	28.9	1010.3	2.1	240	
14         10Y6.5/10         Clear         29.5         1009.8         2.7           13         10Y6.5/10         Clear         29.1         1009.2         3.3           14         10Y6.5/10         Clear         30.4         1008.3         5.9           15         5GY5/8         Clear         33.3         1009.5         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 11 00 6.5	8 9 11 00	9 11 00	11 00	00		6.5	9.9	9	9		1.0	13	10Y6.5/10	Clear	29.4	1010.3	1.6	210	
13       10Y6.5/10       Clear       29.1       1009.2       3.3         14       10Y6.5/10       Clear       30.4       1008.3       5.9         15       5GY5/8       Clear       33.3       1009.5       1.5         14       5GY5/8       Clear       32.9       1009.1       1.5         15       5GY5/8       Clear       32.7       1009.1       2.7         15       5GY5/8       Clear       32.1       1006.8       4.0         16       5GY5/8       Clear       31.1       1008.5       2.6	2000 8 9 12 00 6.5	8 9 12 00	9 12 00	12 00	00		6.	9	9	9	~	6.0	14	10Y6.5/10	Clear	29.5	1009.8	2.7	210	
14         10Y6.5/10         Clear         30.4         1008.3         5.9           15         5GY5/8         Clear         33.3         1009.5         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 13 00 6.0	8 9 13 00	9 13 00	13 00	00		9.9	9.0	9	9		6.0	13	10Y6.5/10	Clear	29.1	1009.2	3.3	190	
15         5GY5/8         Clear         33.3         1009.5         1.5           14         5GY5/8         Clear         32.9         1009.1         1.5           15         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 9 14 00 6.5	8 9 14 00	9 14 00	14 00	00		6.5	6.5	6.5	9		1.0	14	10Y6.5/10	Clear	30.4	1008.3	5.9	210	
14         5GY5/8         Clear         32.9         1009.1         1.5           14         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	P20 2000 8 8 14 00 22 9 11' 56 " 113 9 48' 00 " 18.1	8 8 14 00 22 9 11 ' 56 " 113 9 48 ' 00 " 1	8 14 00 22 9 11 ' 56 " 113 9 48 ' 00 " 1	14 00 22 9 11' 56 " 113 9 48' 00 " 1	00 22 0 11 ' 56 " 113 0 48 ' 00 " 1	22 0 11 ' 56 " 113 0 48 ' 00 " 1	o 11' 56" 113°48' 00" 1	113 9 48' 00" 1	,	18.		1.3	15	5GY5/8	Clear	33.3	1009.5	1.5	240	
14         5GY5/8         Clear         32.7         1009.1         2.7           15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 8 15 00 18.7	8 8 15 00	8 15 00	15 00	00		18.	18.	18.	<u>%</u>	7	1.6	14	SGY5/8	Clear	32.9	1009.1	1.5	240	
15         5GY5/8         Clear         32.1         1006.8         4.0           16         5GY5/8         Clear         31.1         1008.5         2.6	2000 8 8 16 00	8 8 16 00	8 16 00	16 00	00		18	18	18	<b>~</b>	8.8	1.5	14	5GY5/8	Clear	32.7	10001	2.7	240	
16 5GY5/8 Clear 31.1 1008.5 2.6	2000 8 8 17 00	8 8 17 00	8 17 00	17 00	8				=	=	8.9	1.4	15	5GY5/8	Clear	32.1	1006.8	4.0	220	
	2000 8 8 18 00 1 18.8	8 8 18 00   1   1	18 118 00 1 1 1 1	18 00 1 1 1	1   00   1	1	18:	18.	18	18	<u></u>	1.2	16	5GY5/8	Clear	31.1	1008.5	2.6	230	

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Continuous point in neap tide

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page	
otalı	

			Sampling time	ig tim	وا	Pos	Position	Water		Water			Air	Air	Wind	Wind	
ž	No.	>	<u>ا</u> ک	ĴĒ	Ä.	Latitude	Lonoitude	depth	I ransparency (m)	color	Japan water color	Weather	Weather temperature	pressure	sbeed	direction	Remark
		•]	_			777	Longran	(m)		(No)			(°C)	(hPs)	(m/s)	(့)	
131	7	2000	∞	2	8							Clear	30.5	1008.5	1.5	210	
132		2000	∞ ∞	20	8							Clear	29.9	1009.4	2.4	190	
133		2000	∞	3 21	8							Clear	29.1	1009.8	1.9	180	
134		2000	∞ ∞	3 22	8							Clear	28.9	1010.7	1.3	190	
135		2000	∞	3 23	8							Clear	28.7	6.6001	1.7	190	
136		2000	8	8	8							Clear	28.4	1009.8	2.2	190	
137		2000	8	<u>0</u>	8							Clear	27.9	1009.2	2.7	180	
138		2000	8	05	8							Clear	28.1	1008.5	3.4	200	
139		2000	8	63	8							Clear	28.2	1008.3	2.9	240	
140		2000	8	\$	8							Clear	28.0	1008.1	3.0	240	
141		2000	8	05	8							Clear	28.1	1008.0	1.9	250	
142		2000	8	8	8							Clear	28.3	1008.7	2.3	250	
143		2000	8	0.0	8			19.9	1.5	14	5G5/4	Clear	28.3	1009.2	3.1	270	
144		2000	8	80	8			19.4	1.6	14	5G5/4	Clear	28.8	1010.0	2.7	270	
145		2000	8	8	8			19.3	1.8	14	5GY6/10	Clear	29.3	10101	2.8	300	
146		2000	8	10	8			18.8	1.6	14	5GY6/10	Clear	29.9	1009.9	1.7	270	
147		2000	8	耳	8			18.6	1.5	13	5GY6/10	Clear	30.8	9.6001	2.1	270	
148		2000	8	12	8			18.3	1.7	14	5GY6/10	Clear	31.1	1009.8	1.9	270	
149		2000	8	13	8			18.2	1.8	14	5GY6/10	Clear	33.9	1008.2	2.0	210	
150		2000	8	4	8			18.2	1.8	14	5GY6/10	Clear	33.1	1007.8	2.9	220	

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### LIGHT QUANTUM DATA SHEET ON RAINY SEASON SINO-JAPAN JOINT STUDY FOR ON

THE PEARL RIVER ESTUARY

SOUTH CHINA SEA ENVIRONMENTAL MONITORING CENTRE

OF

STATE OCEANIC ADMINISTRATION

SEPT 2000

### LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Intensive point in spring tide

Total Page 36

Unit: umol/m2/s

Z	- ož	Point No		MP	LIN	SAMPLING TIME	ME	Depth	0т	0.5m	Im	2m	3m	4m	5m	щ9	7т	lm8	т6	10m
			<u>&gt;</u>	Σ	<u>a</u>	Ξ	Min	Position			-					-				
		P02	2000	7	31	17	55	deck	16.32	17.60	18.63	18.10	82.91	18.41	17.20					
	-71			<u> </u>	_			water	17.18	1.238	0.4860	0.2353	0.07155	0.04025	0.03225					
	<u>س</u>	P03	2000	7	31	9	20	deck	25.11	26.82	28.49	28.56	29.62							
	4							water	25.10	0261	0.1206	0.09704	0.07155							
<u> </u>	ν.	P05	2000	7	3.1	81	58	deck	1.144	1.088	1.006	0.9628	0.8934							
L_	ç							water	\$101	0.01386	6.07975	0.03920	0.01000							
	7	P06	2000	7	31	17	50	deck	110.7	109.7	1.201	1.001	10.86	99.05	69.07					
R	, ∞							water	52.07	4.912	0.6150	0.1593	0.07270	0.02300	0					
,	6	P07	2000	7	31	=	45	deck	1679	1608	1573	1601	1593	1621	1691	1580	1575			
- 26	01							water	760.0	76.80	10.30	0.2353	0.04853	0.01568	0.008821	0.008920	0.007841			
	11	P08	2000	7	3.1	12	15	deck	1517	1523	1991	1503	1487	1500	1497	1499				
	12							water	1311	827.2	187.6	105.3	16.52	5.772	3.424	0.8903				
	13	P09	2000	7	3.1	60	50	deck	1234	1201	1210	1208	1171	1208	1210	1209	1209	1209	1211	1213
	[4							water	1089	932.7	571.1	210.0	81.86	19.05	17.52	4.804	3.072	1.371	0.9731	0.4895
	15	P10	2000	7	31	80	00	deck	285.7	280.4	277.3	270.4	272.5							
	16							water	261.3	50.78	2.889	0.4487	0.05682							
	17	P13	2000	7	31	60	15	deck	620.4	8.099	894.6	854	822.4	911.7						
	<u>~</u>							water	641.2	284.9	33.49	2.631	0.07155	0.00784						
	61	P14	2000	7	31	∞	9	deck	878.1	950.2	930.7	971.7	947	961.3						
	20							water	770.8	350.5	157.5	36.66	0.05537	0.02627						
Prir	nter.C	PrinterrChen Tian Chang	hang																	

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Intensive point in spring tide

Total Page 36

Unit: umol/m2/s

	22.00									<b>h-</b>									
No	Point No		[MP]	LINC	SAMPLING TIME	ME	Depth	0m	0.5m	Ш	2m	3m	4m	5m	6m	7m	8m	т6	10m
		Y	M	D	H	Min	Position												
21	P15	2000	8	01	07	55	deck	48.30	49.51	49.88	50.76	49.17	54.88	54.63	57.71				
22							water	23.47	18.28	13.27	10.11	6.225	2.379	0.4851	0.01521				
23	P16	2000	8	01	60	17	deck	127.6	129.1	130.2	128.7	110.9	108.7	111.7	115.2	117.3	116.2	109.8	105.3
24							water	100.8	90.72	74.18	52.11	20.01	5.462	0.03879	0.01521	0.01306	0	0	0
25	P17	2000	8	10	0.7	30	deck	618.7	633.4	654.1	625.8	636.5	664.0	625.1					
26							water	415.7	189.4	88.53	25.37	0.4499	0.04019	0.02451					
27	P18	2000	∞	0.1	10	50	deck	565.3	607.2	618.3	602.4	590.3	571.2	566.8	565.7	570.9	8.778	580.2	583.3
28							water	290.5	284.8	111.7	30.66	8.553	1.456	0.5304	0.09772	0.07211	56510.0	0	0
29	P21	2000	8	10	60	20	deck	148.3	185.6	215.3	244.2	270.1	354.4	368.7	378.2	401.5			
30							water	184.6	148.6	131.2	54.40	29.62	15.55	4.936	0.7881	0.1843			
31	P22	2000	8	10	13	10	deck	525.1	510.7	527.1	489.2	500.3	530.1	532.7	527.6	529.2	550.7	563.8	578.3
32							water	475.2	291.5	9.181	92.30	52.13	41.34	25.00	16.95	7.427	2.451	0.9312	0.9312
33	P23	2000	8	01	14	50	deck	631.7	520.1	520.4	521.3	518.4	507.7	503.1	491.7	489.9	495.1	499.8	520.7
34							water	460.1	401.7	141.4	82.90	34.93	8.454	3.937	1.070	0.3103	0.2612	0.2011	0.02393
35	P24	2000	8	01	12	55	deck	215.3	217.8	229.2	212.1	221.8	199.1						
36							water	209.2	158.3	91.19	46.35	49.66	24.46						
37	P25	2000	8	01	17	15	deck	64.20	71.76	69.44	00:59	92.09	60.13	64.58	61.88	58.75	57.07	58.44	57.51
38							water	13.23	12.20	10.17	6.723	6.201	4.558	3.552	2.344	1.348	0.8495	0.4485	0.02394
39	P26	2000	8	04	12	25	deck	472.1	473.5	472.8	457.7	443.7	432.6						
40							water	250.4	143.4	91.08	70.02	27.29	14.56						
		;																	

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Total Page 36

Unit: umol/m2/s

Point No.         X M D H Mine No.         T M D H Mine No.			[ 8		}		15	Depth													
Y         M         D         H         Min         Position           2000         7         31         17         5.5         deck         8           2000         7         31         16         20         deck         8         4           2000         7         31         18         58         deck         9         9           2000         7         31         17         65         deck         9         9           2000         7         31         17         65         deck         120         1210         1210           2000         7         31         12         45         deck         1220         1219         1200         1210           2000         7         31         10         45         deck         1220         1219         1200         0           2000         7         31         20         30         deck         1220         1219         1200         0           2000         7         31         20         30         deck         30         40         0         0         0           2000         7         31	Poi	No.		MILI	ווואל	111	VIE.	/	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark	
2000         7         31         17         55         deck         9				M	D	Н	Min	Position													
2000         7         31         16         20         deck         8           2000         7         31         18         58         deck         8           2000         7         31         11         45         deck         8           2000         7         31         11         45         deck         8         9           2000         7         31         11         45         deck         1220         1219         1200           2000         7         31         12         15         deck         1220         1219         1200           2000         7         31         09         50         deck         1220         1219         1210           2000         7         31         09         50         deck         1220         1219         0         0           2000         7         31         09         50         deck         1210         0         0         0         0           2000         7         31         09         15         deck         8         120         0         0         0         0           2000		P02	2000	7	31	17	55	deck													
2000         7         31         16         20         deck         8         6         6         9								water													
2000         7         31         18         58         deck         6         7		P03	2000	7	31	91	20	deck													
2000         7         31         18         58         deck         66	L							water													
2000         7         31         17         66ck         1219         1200         7         1210         66ck         1220         1219         1210         7         1210         66ck	L	P05	2000	7	31	18	58	deck													_
2000         7         31         17         66ck         1219         1200         1210 </td <td>  </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>wafer</td> <td></td>								wafer													
2000         7         31         11         45         deck         9         6         6         9         9         6         6         9         9         8         9	'	P06	2000		31	17	05	deck													_
2000         7         31         11         45         deck         9         6         7         1210         7         1210								water			·										
2000         7         31         12         15         deck         1220         1219         1207         1210           2000         7         31         09         50         deck         1220         1219         1207         1210           2000         7         31         08         00         deck         00         0         0           2000         7         31         09         15         deck         15         mater         15         <	'	P07	2000	7	31	11	45	deck													_
2000         7         31         1.5         deck         1.200         7         31         9.5         deck         1.220         1.219         1.207         1.210           2000         7         3.1         0.9         5.0         deck         1.220         1.219         1.207         1.210           2000         7         3.1         0.0         deck         0.0         0	!							water													
2000         7         31         09         50         deck         1220         1219         1207         1210           2000         7         31         08         00         deck         0.05681         0         0         0           2000         7         31         08         15         deck         8<	!	P08	2000	7	31	12	15	deck													
2000         7         31         99         50         deck         1220         1219         1207         1210           2000         7         31         08         00         deck         00         0         0         0         0           2000         7         31         09         15         deck         0         1								water													_
2000         7         31         08         00         deck         0		P09	2000		31	60	50	deck	1220	1219	1207	1210	1211								
2000     7     31     08     00       2000     7     31     09     15       2000     7     31     8     40									0.05681	0	0	0	0								
2000     7     31     09     15       2000     7     31     8     40		P10	2000	l	31	08	90	deck				•									
2000     7     31     09     15       2000     7     31     8     40								water													
2000 7 31 8 40		P13	2000		31	60	15	deck													
2000 7 31 8 40		-						water											,		
water		P14	2000	L	31	∞	40	deck													
								water													

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Intensive point in spring tide

Total Page 36

Unit: umol/m2/s

Š	Point No	SAN	MPL	ING	SAMPLING TIME		Depth	m II	12m	13m	14m	15m	16m	17m	18m	19m	20т	B-1m	Remark
		Y	M	Ω	H	Min	Position												
21	P15	2000	∞	0.1	07	55	deck												-
22							water									***************************************			
23	914	2000	8	0.1	60	17	deck	110.7	120.0										
24						<del></del>	water	0	0										
25	21d	2000	8	01	07	30	deck												
26							water	-											
27	P18	2000	∞	0.1	10	50	deck	581.2	582.3	560.3	501.2								
28							water	0	0	0	0								
29	P21	2000	∞	01	60	20	deck												
30							water												
31	P22	2000	∞	10	13	10	deck	591.2	601.2										
32							water	0.1545	0.1124	:									
33	P23	2000	- 00	01	4	50	deck												
34					_		water												
35	P24	2000	∞	10	12	55	deck												
36							water												
37	P25	2000	∞.	10	17	15	deck	56.88	56.24	61.38	59.76	57.07	58.50	57.13	57.39	52.21			
38							water	0	0	0	0	0	0	0	0	0	ļ	-	
39	P26	2000	∞	9	12	25	deck												
40				$\neg$	$\dashv$		water												

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Total Page 36

Unit: umol/m2/s

Point No	SAMPLING TIME  Y M D H M  100 8 07 07 3  100 8 07 09 4  100 8 07 07 0  10 8 07 12 4	07 07 07 07 09 09 09 09 09 09 09 09 09 09 09 09 09	H M 60 60 60 60 60 60 60 60 60 60 60 60 60	in Posi	0m	0.5m	Im	2m	3m	4m	Sm	ęm	7m	%m	9m	Ċ.
2000 2000 2000 2000 2000 2000	<del></del>	<del></del>	<del></del> -	Posi							-	_				E
	<del>▎</del> <del>▎</del>															
	<del>-                                      </del>	<del></del>		35 deck	637.0	545.9	558.0	547.2	548.2	541.0	533.8	410.5	149.1			
	<del>├──┼</del> ── <del>├</del> ──	<del></del>		water	201.3	88.04	16.62	2.131	0.2245	0.01568	0.03137	0.04803	0.02451			
	<del>-                                    </del>	<del></del>		45 deck	1447	1450	1452	1449	1444							
	<del>                                     </del>		_	water	9:968	237.7	31.69	0.5950	0.0409							
	<del>-         -   -     -                  </del>		08	25 deck	463.0	386.9	380.1	355.7	350.1	350.0	340.5					
	<del>-   -  </del>	_		water	111.7	98.23	90.20	13.27	6.628	0.3788	0.08892					
	<del></del>		07 (	00 deck	263.7	253.9	206.3	113.4	109.0	106.4	110.2					
		_		water	67.55	60.32	13.49	1.584	0.3180	0.07279	0					
	┥	07	12	45 deck	2037	2029	2008	2006	2141	2147	2044	2120				
				water	176.9	125.4	43.01	2.607	0.4019	0.06371	0.03137	0.01568				
	∞	07 (	60	35 deck	1571	1275	1248	1244	1203	1163	1160	1037				
				water	1233	889.5	247.5	67.07	20.57	5.776	1.716	0.01595				
P09 2000	∞	07		40 deck	222.1	180.7	187.4	181.3	174.3	151.3	130.9	140.7	144.9	125.7	134.2	132.5
				water	81.51	34.87	17.02	6.175	3.277	1.422	0.8335	0.5304	0.2532	0.1216	0.05682	0.02393
P10 2000	- 8	07	13	25 deck	1715	60/1	1680	1694	1674							
				water	1093	203.1	70.02	14.13	4.313							
P13 2000	∞	07	4	25 deck	1650	1695	1722	1718								
			$\dashv$	water	1266	198.2	29.85	0.8361								
P14 2000		07	15	20 deck	825.9	673.8	745.0	778.4	840.4							
				water	237.0	146.1	85.19	11.30	3.684							

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Intensive point in neap tide

Total Page 36

Unit: umol/m2/s

	0																		
No	Point No		MPI	JNI	SAMPLING TIME	ME	Depth	0m	0.5m	lm	2m	3m	4m	Sm	m9	7m	m8	9m	10m
		Y	M	q	н	Min	Position		•										
21	P15	2000	∞	80	91	50	deck	157.2	145.8	153.4	162.5	168.7	181.4	190.5	ē				
22							water	84.36	41.80	27.18	10.22	4.392	2.292	0.7558					
23	P16	2000	∞	80	15	30	deck	1584	1881	1549	1467	1563	1538	1547	1079	6951	1533	1543	1545
24							water	1185	462.1	209.7	54.28	12.71	4.618	907.1	0.9655	0.3695	0.2245	0.1248	0.07155
25	P17	2000	8	80	80	45	deck	1128	1146	1131	1137	1149	1120						
26							water	894.2	537.3	359.6	141.5	17.65	1.987						
27	P18	2000	∞	80	13	45	deck	6861	1977	2000	1975	8661	1966	8/61	9861	7861	1861	2661	1981
28							water	1596	846.7	9.509	221.6	29'86	41.90	22.90	9.405	5.526	2.115	0.7558	0.2568
29	P21	2000	<b>∞</b>	80	10	30	deck	1728	1711	1708	1709	1722	1725	91/1	9/91				
30							water	1312	919.3	347.8	147.9	75.44	39.24	17.60	4.464				
31	P22	2000	∞	60	80	15	deck	781.9	770.1	769.5	768.4	772.6	780.4	780.8	9.877	792.7	790.3	788.5	787.3
32							water	558.7	235.6	178.8	73.78	33.98	21.55	14.85	8.674	6.331	4.281	3.611	2.483
33	P23	2000	8	60	60	20	deck	1217	1215	1210	1198	1200	1204	1199	8611	1198	1200	1203	
34							water	687.8	429.7	203.3	69.27	43.22	32.54	20.87	10.29	8.312	5.181	3.517	
35	P24	2000	∞	90	15	45	deck	1484	1482	1501	1477	1496	1490						
36							water	68.02	30.81	27.94	12.21	6.030	4.929						
37	P25	2000	∞	90	4	00	deck	1749	1629	1420	1275	1277	1233	1424	1937	1829	1457	1454	1397
38							water	1342	1186	633.4	513.7	349.9	239.2	226.5	185.2	109.8	63.12	58.83	47.54
39	P26	2000	8	90	<u>%</u>	25	deck	59.69	59.41	57.45	57.69	57.22	56.53	55.84					
40							water	34.65	18.19	7.312	5.813	1.950	1.904	1.101					
															[				

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Intensive point in neap tide

Total Page 36

Unit: umol/m2/s

- °Z	Point No		MPI	SAMPLING TIME	TIL	ME	Depth	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	Ω	Н	Min	Position				,								
-	P02	2000	8	07	07	35	deck												
							water												
	P03	2000	8	07	60	45	deck												
							water											·	
	P05	2000	8	07	08	25	deck												
							water												
	P06	2000	8	07	07	00	deck												
							water												
	P07	2000	8	07	12	45	deck												
10							water												
11	P08	2000	8	07	60	35	deck					•							
12							water												
13	P09	2000	8	07	11	40	deck	128.6	118.4										
14							water	0	0										
15	P10	2000	8	07	13	25	deck												
16	_						water												
17	P13	2000	8	07	14	25	deck												
18							water												
61	P14	2000	8	07	15	70	deck												
20							water												

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Intensive point in neap tide

Total Page 36

Unit: umol/m2/s

						i													
Ž	Point No		MPI	JNI	SAMPLING TIME	1E	Depth	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	Н	Min	Position												
21	P15	2000	8	80	16	50	deck												
22							water					-							
23	P16	2000	<b>%</b>	80	15	30	deck	1516	1447	1562									
24							water	0.05587	0.04019	0.007841									
25	P17	2000	8	08	80	45	deck												
26							water												
27	P18	2000	8	80	13	45	deck	1980	1977										
28							water	0.1117	0.05587										
29	P21	2000	8	08	10	30	deck												
30							water												
31	P22	2000	8	09	80	15	deck	793.3	798.4	798.9	783.5	780.8							
32							water	1.442	0.7268	0.4048	0.2941	0.1137	•						
33	P23	2000	8	60	60	20	deck												,
34							water												
35	P24	2000	8	90	15	45	deck												
36							water												
37	P25	2000	8	90	14	00	deck	1393	1502	1661	1793	1996	2078	2212	2131	1718			
38							water	37.39	30.96	31.87	26.59	19.83	16.50	10.50	4.957	2.777			
39	P26	2000	∞	90	8.	25	deck												1
40							water												

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0.06850 0.09884 0.1912 0.09210 0.3972 0.2975 429.4 0.1445 321.6 460.6 374.6 160.6 50.86 473.1 622.3 472.1 160.3 10m 0 0 0 Jnit: umol/m2/s 0.003800 0.1138 472.0 0.03823 0.2667 0.2900 0.07646 165.6 470.2 374.5 150.2 431.2 615.3 322.4 456.3 52.72 9 0 0 0 0 0.02518 0.04600 0.08020 0.1678 0.09138 0.0456 0.02690 0.6574 0.1520 469.8 0.2368 467.9 165.6 142.4 445.6 605.6 323.9 455.0 374.5 53.58 8m 0.07646 0.04210 0.2518 0.06806 0.1986 0.2061 166.5 0.0387 135.5 465.5 0.2751 445.2 8.009 324.6 466.5 453.6 51.82 376.2 m/ 0 0 0.07690 0.1445 0.1448 0.1126 0.3515 0.1222 0.1604 0.3515 459.5 325.5 167.8 0.0687 130.4 444.8 597.9 463.7 453.1 375.4 49.11 em 0 0.02238 0.02690 0.0839 448.9 0.6425 0.1608 0.3210 124.6 325.6 461.4 456.8 591.2 377.6 164.2 47.39 454.5 5m 0 0 0 0 0.09884 0.06061 0.07646 0.4429 0.0356 0.1820 0.0142 438.2 753.6 0.5427 459.5 165.8 586.6 457.3 327.7 376.3 45.77 120.1 4m 0 0 0.1912 0.3814 0.3972 0.04569 0.1063 0.01492 0.03823 0.2520 427.4 0.0296 167.6 116.7 582.7 327.6 457.7 458.6 375.0 527.7 45.40 0.022 3m 0.02984 0.04569 0.6499 0.6415 0.1604 0.0658 420.0 0.2687 1.055 479.7 579.2 327.9 455.9 461.4 368.8 0.186 42.70 113.7 168.1 2m 0 0.4355 1.024 327.6 47.16 413.0 2.538 449.6 573.4 31.45 454.5 463.8 365.9 5.589 167.6 5.282 109.7 1.751 5.127 3.151 0.577 lπ 407.9 19.66 440.6 40.98 569.5 326.0 115.1 452.6 9.786 465.6 366.8 23.50 48.78 107.3 4.503 30.50 168.7 0.5m3.432 33.7 26.3 Raining Raining Raining Raining Raining Raining 102.8 326.0 567.6 367.0 50.89 13.75 104.2 55.74 383.8 115.3 431.2 104.4 169.3 449.8 275.8 470.8 223.2 100.3 169.2 169.1 Om O Depth water deck Position Min SAMPLING TIME H 9 8 80 0 15 13 4 13 90 07 8 03 3 03 03 03 03 03 6 3 03 03 03 03 · • ∞ ∞ ∞ 00 00 ∞ 00 ∞ œ 00 00 Σ 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 > Point No P01 P01 P01 P01 P01 P01 Pol P01 P01 P01 P01 P01 POI Fotal Page 36 ŝ 19 20 23 25 26 7 15 91 7 8 24 10 13 22 12 21 9 **!**~ œ 6 4

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

Point No	Total Page 36										,	'	,					Uni	Unit: umol/m2/s	s/
M         D II         Minh Dosition         Acek         2.694         2.582         2.517         2.368         2.312         2.242         2.212         2.102           8         03         19         deck         2.941         2.769         2.694         2.872         2.517         2.368         2.312         2.242         2.212         2.102           8         03         66         deck         7.853         78.26         0.0516         0.0501         <	Ž		SAN	APL	ING	TIMI	<del>_</del>	Depth	0m	0.5m	m.I	2m	3m	4m	5m	m9	7m	8m	9m	10m
8         1         deck         2.941         2.769         2.684         2.387         2.367         2.368         2.312         2.3212         2.212         2.107           8         0         6         deck         2.941         0.2518         0.2216         0.0216         0.0         0.00710         0.00740         0.0 <t< th=""><th></th><th>L</th><th></th><th>M</th><th>D</th><th></th><th>Min Posit</th><th>ion</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>		L		M	D		Min Posit	ion												
8         0.6         0.6         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	_	2	000;	8	03	19		deck	2.941	2.769	2.694	2.582	2.517	2.368	2.312	2.242	2.212	2.102	2.206	1.814
8         0.0         deck         78.53         78.02         79.32         78.91         78.91         77.91         77.91         78.25           8         0.3         0.4         waeter         20.98         3.526         0.1081         0.06494         0.0333         0.01611         0.02375           8         0.3         0.4         deck         162.3         159.3         157.3         185.2         185.9         185.9           8         0.3         0.8         deck         165.0         152.1         144.8         137.3         128.3         122.6         10.010           8         0.3         0.8         deck         165.0         152.1         144.8         137.3         128.3         1									0.1670	0.2518	0.2216	0.02160	0	0	0.05710	0.007410	0	0	0.002180	0
8         0         water         20.98         3.526         0.1081         0.04644         0.0333         0.0161         0.02375         0.0237           8         0.3         0.4         deck         162.3         157.3         156.2         155.7         157.2         158.4         159.9         159.9           8         0.3         0.8         deck         165.0         152.1         144.8         137.3         128.3         121.6         159.9         159.9           8         0.3         0.8         deck         165.0         152.1         144.8         137.3         128.3         10161         159.9           8         0.3         0.8         deck         165.0         152.1         144.8         137.3         128.3         10161         159.9           8         0.3         0.8         deck         974.7         143.8         982.2         1460         0404.4         1050         1061           8         0.3         10         deck         974.7         18.9         17.06         0.994.7         0.027         0.015         106.4           8         0.3         10         deck         950.9         935.0         1	4	12	000	8	03	90		deck	78.53	78.02	79.32	78.49	78.91	78.10	77.91	78.25				
8         03         07         deck         162.3         159.3         156.2         155.7         158.4         159.9         159.9           8         0.0         0.0         water         40.87         7.342         2.353         0.1081         0.04644         0.0516         0.01501         0.01611           8         0.0         0.0         deck         165.0         152.1         144.8         137.3         128.3         102.0         0.01611         0.01611           8         0.0         0.0         deck         165.0         15.0         1.6404         0.0237         0.0139         0.01611         0.0161           8         0.0         0.0         deck         974.7         1438         982.6         902.0         10464         0.0379         0.0139         0.0161								water	20.98	3.526	0.1081	0.06191	0.04644	0.03033	0.01611	0.02375				
8         0.0         mater         40.87         7.342         2.353         0.1081         0.04644         0.0616         0.03791         0.01611           8         0.3         0.8         deck         165.0         155.0         152.1         144.8         137.3         128.3         122.6         0.0161           8         0.3         mater         45.88         6.261         1.607         0.1242         0.04644         0.0237         0.01393            8         0.3         0.3         deck         974.7         1438         982.6         992.2         1460         0.0347         0.01393            8         0.3         0.3         0.0464         0.0217         0.0494         0.0217         0.01393             8         0.3         0.3         0.0464         0.0237         0.01393         0.01393         0.01393              8         0.3         1.0         deck         950.9         935.0         928.5         907.0         892.5         907.0         908.7         10.8            8         0.3         1.3         0.4664         0.279 </td <td>4</td> <td>2</td> <td>000;</td> <td>8</td> <td>03</td> <td>07</td> <td></td> <td>deck</td> <td>162.3</td> <td>159.3</td> <td>157.3</td> <td>156.2</td> <td>155.7</td> <td>157.2</td> <td>158.4</td> <td>159.9</td> <td></td> <td></td> <td></td> <td></td>	4	2	000;	8	03	07		deck	162.3	159.3	157.3	156.2	155.7	157.2	158.4	159.9				
8         03         08         deck         165.0         152.1         144.8         137.3         128.3         122.6         9.0           8         0.3         0.8         water         45.88         6.261         1.607         0.1242         0.04644         0.0237         0.01393         9.0           8         0.3         0.9         deck         974.7         1438         982.6         992.2         1460         1046         949.1         1020         99.1         1020         99.1         1020         99.1         1020         99.1         1020         99.1         1020         99.1         1020         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.1         1060         99.2         90.2         90.2         90.2         90.2         90.2         90.2         90.2         90.2		_					_	water	40.87	7.342	2.353	0.1081	0.04644	0.0616	0.03791	0.01611				
8         0.2         water         45.88         6.261         1.607         0.1242         0.04644         0.0237         0.01393         S           8         0.3         0.9         deck         974.7         1438         982.6         992.2         1460         1046         949.1         1020           8         0.3         0.0         deck         950.9         935.0         928.5         907.0         892.5         907.1         1046         908.7         1086         90.01         1046         908.7         1080         908.7         1086         90.01         10.0083         90.01         90.01         10.0083         90.01         90.02         10.0464         0.0227         0.01517         0.0083         90.01         90.02         10.0464         0.0275         0.01517         0.0083         90.01         90.02         10.0464         0.0275         0.01517         0.0083         90.01         90.02         10.0464         0.0275         0.01517         0.0083         90.01         90.02         10.0464         0.0275         0.01517         0.0083         90.01         90.02         10.0464         0.0275         0.01518         90.01         90.0151         90.02         10.0464	4	2	000;		03	80	 !	deck	165.0	156.9	152.1	144.8	137.3	128.3	122.6					
2000         8         0         deek         974.7         1438         982.6         992.2         1460         1046         949.1         1020         1020         1020         8         102         4040         1046         1046         1040<								water	45.88	6.261	1.607	0.1242	0.04644	0.0237	0.01393					
2000         8         0.3         deck         93.97         3.534         0.2796         0.02275         0.01517         0.00833         PRINT           2000         8         0.3         10         deck         950.9         935.0         928.5         907.0         892.5         975.0         970.0         982.5         970.0         908.7         1086         1086         108	41		000;	8	03	60		deck	974.7	1438	982.6	992.2	1460	1046	949.1	1020				
2000         8         0.3         10         deck         950.9         935.0         928.5         907.0         892.5         875.0         908.7         1086         908.7           2000         8         0.3         1.1         deck         Raining         T.         T. </td <td>   </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>water</td> <td>662.5</td> <td>166.0</td> <td>33.97</td> <td>3.534</td> <td>0.2796</td> <td>0.02275</td> <td>0.01517</td> <td>6.00853</td> <td></td> <td></td> <td></td> <td></td>								water	662.5	166.0	33.97	3.534	0.2796	0.02275	0.01517	6.00853				
2000         8         0.3         11         deck         Raining         7.5         18.95         17.06         0.9943         0.07391         0.04644         0.1242         0.1242           2000         8         0.3         1.1         deck         Raining	7		000;	8	03	10		deck	6:056	935.0	928.5	907.0	892.5	875.0	2.806	9801				
2000         8         03         11         deck         Raining         3         4								water	182.1	75.57	18.95	17.06	0.9943	0.07391	0.04644	0.1242				
2000         8         0.3         1.2         deck         Raining         750.6         749.8         747.0         744.4         742.1         738.6         77.8           2000         8         0.3         1.2         deck         754.2         752.9         750.6         749.8         747.0         744.4         742.1         738.6         77.8           2000         8         0.3         1.3         deck         756.9         45.26         10.74         0.9048         0.03791         0.00782         0.003128           2000         8         0.3         1.4         deck         552.7         549.0         547.2         544.5         543.2         541.4         540.1         537.8           2000         8         0.3         1.4         deck         552.7         549.0         547.2         544.5         543.2         541.4         540.1         537.8           2000         8         0.3         1.4         deck         601.6         598.6         595.3         594.4         592.6         590.8         590.9         590.4           2000         8         0.3         1.6         deck         473.7         483.0         485.3	বা		000;	8	03	11			Raining											
2000         8         03         12         deck         Raining         750.6         749.8         747.0         744.4         742.1         738.6         770.1           2000         8         03         13         deck         754.9         750.6         749.8         747.0         744.4         742.1         738.6         77.8           2000         8         03         14         deck         554.9         552.7         549.0         547.2         543.2         541.4         537.8         77.8           2000         8         03         14         deck         552.7         549.0         547.2         543.2         541.4         537.8         77.8           2000         8         03         14         deck         552.7         549.0         547.2         543.2         541.4         540.1         537.8           2000         8         03         15         deck         601.6         598.6         595.3         594.4         592.6         590.8         590.4         590.8         590.4         590.8         590.4         590.4         590.4         590.8         590.4         590.4         590.8         590.4         590.4	ı								Raining											
8         03         13         water         Raining         750.6         749.8         747.0         744.4         742.1         738.6         77.0           8         03         13         water         250.9         45.26         10.74         0.9048         0.03033         0.03791         0.007582         0.003128           8         03         14         deck         554.9         552.7         549.0         547.2         544.5         543.2         541.4         540.1         537.8           8         03         14         deck         554.9         552.7         549.0         547.2         544.5         543.2         541.4         540.1         537.8           8         03         15         deck         601.6         598         596.6         595.3         594.4         592.6         590.9         590.4           8         03         15         deck         473.7         479.5         483.0         15.92         0.1156         0.02275         0.0386         0.03128           8         03         16         deck         473.7         479.5         483.0         489.4         482.6         497.0         496.5         495.9	4	7	000;	8	03	12			Raining											
8         13         deck         754.2         750.6         749.8         747.0         744.4         742.1         738.6         Assistance           8         1         acck         556.9         45.26         10.74         0.9048         0.03791         0.007582         0.003128         77.8           8         1         acck         554.9         552.7         549.0         547.2         544.5         543.2         541.4         540.1         537.8           8         1         acck         508.2         51.24         25.14         1.009         0.1156         0.03791         0.03633         0.07677         0.007582           8         1         acck         601.6         598         596.6         595.3         594.4         592.6         590.8         590.9         590.4           8         1         acck         601.6         598         596.6         595.3         594.4         592.6         590.8         590.9         590.4           8         1         acck         473.7         479.5         485.3         485.3         489.4         482.6         497.0         496.5         495.9           8         1         acck									Raining											
2000         8         0.3         14         deck         55.9         45.26         10.74         0.9048         0.03033         0.03791         0.007582         0.003128         37.8           2000         8         0.3         14         deck         554.9         552.7         549.0         547.2         544.5         543.2         541.4         540.1         540.1         537.8           2000         8         0.3         1.5         deck         601.6         598         596.6         595.3         594.4         592.6         590.8         590.9         590.4           2000         8         0.3         1.6         deck         473.7         479.5         485.3         489.4         482.6         497.0         496.5         590.8           2000         8         0.3         1.6         deck         473.7         486.3         17.94         10.91         15.92         0.1156         0.0275         0.03128         99.4           2000         8         0.3         1.6         deck         473.7         486.3         12.14         0.3649         0.2711         0.04644         0.02275         0.04644         0.02275         0.04644         0.01242	4		000	∞	03	13		deck	754.2	752.9	750.6	749.8	747.0	744.4	742.1	738.6				
8         14         deck         554.9         552.7         549.0         547.2         544.5         543.2         541.4         540.1         537.8           8         1         4         4         51.24         25.14         1.009         0.1156         0.03791         0.03033         0.07677         0.007582           8         0.3         1.5         deck         601.6         596.6         595.3         594.4         592.6         590.8         590.9         590.4           8         0.3         1.5         deck         473.7         479.5         485.3         489.4         482.6         497.0         496.5         495.9           8         0.3         1.6         deck         473.7         48.63         12.14         0.3649         0.2711         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.01242         0.01242								water	250.9	45.26	10.74	0.9048	0.03033	0.03791	0.007582	0.003128				
2000         8         03         15         deck         601.6         598         596.6         595.3         594.4         592.6         590.3         0.07677         0.007582           2000         8         03         15         deck         473.7         479.5         485.3         594.4         592.6         590.8         590.9         590.4           2000         8         03         16         deck         473.7         479.5         483.0         485.3         489.4         482.6         497.0         496.5         495.9           2000         8         03         16         water         157.2         48.63         12.14         0.3649         0.2711         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275         0.04644         0.02275 <td>41</td> <td></td> <td>000</td> <td>∞</td> <td>8</td> <td>14</td> <td>-</td> <td>deck</td> <td>554.9</td> <td>552.7</td> <td>549.0</td> <td>547.2</td> <td>544.5</td> <td>543.2</td> <td>541.4</td> <td>540.1</td> <td>537.8</td> <td>535.6</td> <td></td> <td></td>	41		000	∞	8	14	-	deck	554.9	552.7	549.0	547.2	544.5	543.2	541.4	540.1	537.8	535.6		
2000         8         03         15         deck         601.6         598.6         596.6         595.3         594.4         592.6         590.8         590.9         590.4           2000         8         03         16         water         145.5         51.58         17.94         10.91         15.92         0.1156         0.02275         0.03886         0.03128           2000         8         03         16         water         157.2         48.63         12.14         0.3649         0.2711         0.04644         0.02275         0.04644         0.02275           2000         8         03         17         deck         310.7         310.3         310.5         309.8         308.8         308.9         308.6           x         x         x         x         x         45.62         9.542         0.5279         0.06913         0.01517         0.01242								water	208.2	51.24	25.14	1.009	0.1156	0.03791	0.03033	0.07677	0.007582	0.01517		
2000         8         0.3         1.6         deck         473.7         479.5         483.0         485.3         489.4         482.6         997.0         496.5         495.9           2000         8         0.3         1.6         deck         473.7         479.5         483.0         485.3         489.4         482.6         497.0         496.5         495.9           2000         8         0.3         1.7         deck         310.3         310.5         310.5         310.5         310.5         309.8         308.8         308.9         308.6           3         0.0         0.051.3         0.051.3         0.051.3         0.0151.7         0.01242         0.01242	4		000;	∞	03	15		deck	9.109	865	9.965	595.3	594.4	592.6	590.8	590.9	590.4	590.4		
2000         8         03         16         deck         473.7         479.5         483.0         485.3         489.4         482.6         497.0         496.5           2000         8         03         17         deck         310.7         310.3         310.5         310         309.8         308.8         308.9         308.6           4         0         0         0.5279         0.06913         0.03791         0.01517         0.01242	1							water	145.5	51.58	17.94	16.91	15.92	0.1156	0.02275	98860.0	0.03128	0.01611		
8         03         17         48.63         12.14         0.3649         0.2711         0.04644         0.02275         0.04644           8         03         17         deck         310.7         310.3         310.5         310         309.8         308.8         308.9           9         45.62         9.542         0.5279         0.06913         0.01517         0.01242	4	2	000;	∞	03	16		deck	473.7	479.5	483.0	485.3	489.4	482.6	497.0	496.5	495.9			
8 03 17 deck 310.7 310.3 310.5 310 309.8 308.8 308.9 water 136.9 45.62 9.542 0.5279 0.06913 0.03791 0.01517	ı							water	157.2	48.63	12.14	0.3649	0.2711	0.04644	0.02275	0.04644	0.02275			
136.9 45.62 9.542 0.5279 0.06913 0.03791 0.01517	41		000;	∞	03	17	-	deck	310.7	310.3	310.5	310	309.8	308.8	308.9	308.6				
								water	136.9	45.62	9.542	0.5279	0.06913	0.03791	0.01517	0.01242				

Printer:Chen Jian Chang Checker:Kuang Zheng Chang Examiner:Zhong Si Sheng

10m

9m

8m

Unit: umol/m2/s

0.007400 0.09138 0.01492 0.0074 0.1296 0.03823 360.6 1934 985.6 1918 1866 1642 1701 7m 0 0.4819 0.09884 0.06166 0.0453 0.2063 0.1604 364.4 0.2061 94.58 987.9 3.920 0.1317 1922 1662 1902 1857 1641 em 9 0 0.007400 0.003800 0.7338 0.01492 0.02984 0.07677 0.04644 0.0224 366.6 0.8719 96.17 1714 2.134 993.5 128.3 87.36 4.073 1950 1659 4.092 1879 1888 5m 0.06919 0.05408 0.1828 0.1393 0.3972 122.22 368.9 4.712 97.53 12.29 1.446 985.6 128.8 87.52 4.396 1983 1880 1908 1693 1669 4m 0 0.03033 0.06806 0.00745 98.15 0.09288 0.06129 372.6 21.91 8.467 128.7 89.02 4.755 1698 1950 2.983 9061 47.82 1768 19.85 983.7 9.501 1873 3m 0.0616 0.02238 0.2407 98.91 5.066 2.683 30.04 1914 83.50 75.62 103.5 981.9 30.22 373.6 12.01 129.4 89.82 0.007 1825 1626 1941 1849 2m0.04662 1583.4 0.0074 211.0 0.3877 72.36 203.6 171.2 487.8 8.086 127.6 376.9 44.95 129.8 79.66 1.926 1919 1816 5.309 1939 90.9 1883 띰 0.03916 0.2238 630.0 0.4967 281.0 181.0 158.4 130.0 100.2 16.45 5.634 210.3 9281 406.4 449.6 986.4 380.5 91.13 0.5m 1652 1940 1990 1840 223.9 101.8 683.5 936.4 310.0 399.2 130.9 16.42 35.42 932.2 898.4 978.5 92.62 6.970 2.828 1695 1914 1853 1410 2.301 1927 1901 0m Depth water water water water water water water water water deck deck deck deck water deck deck deck deck deck deck deck water Position Min SAMPLING TIME 15 Ξ 8 19 9 = 12 13 14 16 17 8 31 31 31 3 03 6 3 3 3 3 3 7 ~ ~ ~ 7 7 00 00 <u>~</u> ~ Σ **(**~ 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 > Point No PII ₹ **P**04 PH PII PIJ PII PII PI Ξ Ξ Fotal Page 36 ž 69 70 55 28 59 8 99 *2*9 89 71 72 73 74 53 54 99 57 61 62 63 2 65

R · 36

0.0074

1931

1936

1863

0.04569

1570

0

0.05408

975.7

0.05315

358.7

Printer:Chen Jian Chang Checker:Kuang Zheng Chang Examiner:Zhong Si Sheng

36 - 11

0.007458

0

0.02238

0.05335

0.0373

0.9856

12.61

12.08

11.66

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10.58

10.31

10.02

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deck

9

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2000

PII

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deck

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**[~** 

2000

PII

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0

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0.01400

0.03700

0.06060

water

LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

Total Page 36

Unit: umol/m2/s

Total Page 36	age 36																Ome	OIIII. MIIIOI/IIII2/3	, [
°Z	Point No		MPL	ING	SAMPLING TIME		Depth	0m	0.5m	1m	2m	3m	4m	5m	еш	7m	m8	m6	10m
		<b>&gt;</b>	M	Q	НМ	Min Position			,										
79	P11	2000	8	10	07	ğ	deck	115.8	115.1	116.9	117.8	120.7	126.0	127.4	134.7	133.7			
80						wa	water	58.93	32.66	16.67	4.174	1.094	0.3975	0.1986	0.0291	0.0382			
81	P11	2000	8	10	80	qe	deck	800.4	9.599	551.2	476.3	458.4	450.0	520.2	531.5	532.4			
82						wa	water	429.6	253.0	108.2	11.38	9.924	6.262	2.661	0.1986	0.0826			
83	P11	2000	8	01	60	qē	deck	491.2	489.7	509.4	524.6	542.6	532.0	510.2	529.3	576.4			
84						wa	water	185.0	120.8	57.60	38.80	35.70	20.60	0.3215	0.01960	0.01540			
85	PII	2000	8	01	10	de	deck ,	462.0	478.2	484.3	491.3	494.0	497.8	502.9	8.605	513.2			
98						wa	water	126.3	36.00	13.00	0.4355	0.05315	0.01492	0	0	0.007458			
87	P12	2000	7	31	10	de	deck	1704	1650	1778	1643	1781	1773	1825	1828	1818	1793	1830	1821
88						wa	water	143.3	105.5	06.69	23.23	8.009	2.584	0.4730	0.1545	0.1156	0.06916	0.04739	0.03533
68	P12	2000	7	31	11	de	deck	1915	9161	1899	1879	1905	1872	1846	1870	9061	1890	1897	1912
96						wa	water	226.7	91.97	59.86	20.78	7.093	2.548	1.149	0.4395	0.1317	0.03791	0.01517	0.03791
91	P12	2000	7	31	12	qe	deck	2054	2054	2058	2056	2044	2077	2075	2076	2063	2066	2070	2073
92						wa	water	204.1	130.97	53.54	19.78	6.191	5.508	1.755	0.5128	0.1706	0.05402	0.02275	0.04644
93	P12	2000	7	31	13	de	deck	2228	2220	2222	2223	2217	2212	2223	2202	2159	2179	2191	2170
94						wa	water	210.7	81.47	38.29	29.28	10.33	2.586	0.8542	0.4189	0.3962	0.3412	0.05402	0.03796
95	P12	2000	7	31	14	de	deck	1628	1665	1686	1639	1642	1649	1620	1624	1637	1645	1650	1638
96						wa	water	1.65.1	166.5	123.0	86.29	32.27	8.702	3.985	1.515	0.2407	0.0379	0.1242	0.07677
97	P12	2000	7	31	15	de	deck	1262	1265	1238	1229	1202	1208	1206	1173	1108	1145	9601	1060
86						wa	water	256.3	59.49	11.10	0.1782	0.09283	0.1156	0.0543	0.01517	0.03033	0.0616	0.03791	0.04644
66	P12	2000	7	31	91	qe	deck	425.2	421.1	415.7	403.2	401.6	384.4	389.2	392.0	374.4	383.9	376.7	365.8
100					_	wa	water	114.8	6.548	0.6112	0.1005	0.1018	0.06919	0.03033	0.04644	0.0616	0.03791	0.03886	0.05402
101	P12	2000	7	31	17	de	deck	185.5	181.1	177.7	0.181	177.8	179.7	178.4	178.1	177.6	175.4	176.9	170.2
102						wa	water	58.80	14.93	0.04644	0.04739	0.03128	0.01517	0.03033	0.01611	0.02700	0.007582	0.03791	0.02275
103	P12	2000	7	31	81	de	deck	75.30	73.55	73.63	72.82	71.39	70.31	70.85	70.35	69.28	09.89	67.92	67.49
104						wa	water	27.76	4.730	0.1469	0.08625	0	0.1517	0.3033	0.007582	0.01517	0.008356	0.02275	0

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No.   No.	ital Pa	Total Page 36						Depth				·	,					Unii	Unit: umol/m2/s	s/s
Y         M         D         H         Min         Position         Act         6.479         5.518         5.518         5.518         4.808         4.808         4.60         4.131         3.708         3.489           P1.2         2000         3         1         1         deck         6.479         6.479         6.0430         0.0370         0.02273         0.0270         0.0370         0.0270         0.0370         0.0370         0.0270         0.0370         <	0	Point No	SA	M	ĹĬ	G TI	ME		0m	0.5m	EI EI	2m	3m	4m	5m	em	7m	8m	9m	10m
P12         2000         7         11         9         Aeder         6.479         5.881         5.30         4.988         4.498         4.261         3.951         3.780         3.480         4.498         4.261         3.951         3.780         3.880         3.880         4.888         4.988         4.261         4.222         4.050         0.00333         0.0033 <th< th=""><th></th><th></th><th>Y</th><th>Σ</th><th></th><th></th><th></th><th>Position  </th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>			Y	Σ				Position												
P12   2000   8   01   06   0.0 water   2139   0.2948   0.1081   0.07460   0.07391   0.02751   0.02752   0.02752   0.04552   0.04664   0.03864   0.08864	05	P12	2000					deck	6.479	5.861	5.518	5.302	5.038	4.808	4.498	4.261	3.951	3.708	3.489	3.139
P12         2000         8         01         Obeck         2.869         3.084         3.560         3.847         3.843         4.000         4.11         4.222         4.501         4.351         4.400           P12         2.00         8         1         0         water         2.0458         0.2475         0.04519         0.01517         0.00512         0.01517         0.00528         0.00528         0.01517         0.00528         0.01517         0.00528         0.00528         0.01517         0.00528         0.00528         0.01517         0.00528         0.00528         0	90				$\square$			water	2.129	0.2948	0.1081	0.07460	0.03790	0.03033	0.02275	0.02370	0.007582	0.04644	0.03886	0.07677
P12         2000         8         0         waster         0.4889         0.2635         0.0617         0.0275         0.0157         0.0670         0.01570         0.005782         0.04739         0.00858           P12         2000         8         01         07         deckt         27.77         3.069         33.92         36.42         36.42         48.45         48.45         58.37         0.0470         0.00288         0.010         0.0470         0.0470         0.05288         0.0610         0.0540         0.05288         0.010         0.0470         0.05288         0.0410         0.0540         0.05288         0.010         0.0540         0.05288         0.0410         0.0540         0.05288         0.0410         0.0540         0.05288         0.0410         0.0540         0.05288         0.0410         0.0540         0.0540         0.05288         0.0511         0.0512         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0431         0.0441         0.0531         0.0441         0.0541         0.0541         0.0541         0.0541         0.0541	107	P12	2000			-		deck	5.869	3.084	3.360	3.507	3.843	4.000	4.131	4.222	4.261	4.325	4.400	4.463
P12         2000         8         01         07         Aeack         2777         30.69         33.92         36.43         42.43         48.23         58.37         58.37         63.39           P12         200         8         0         0         water         10.61         78.55         5.384         1.189         0.4341         0.0438         0.06020         0.05402         0.06320         0.05402         0.05209         0.05402 <td>801</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td>water</td> <td>0.4189</td> <td>0.2635</td> <td>0.217</td> <td>0.06919</td> <td>0.01617</td> <td>0.02275</td> <td>0.01517</td> <td>0.07677</td> <td>0.007582</td> <td>0.04739</td> <td>0.008537</td> <td>0.05402</td>	801				_			water	0.4189	0.2635	0.217	0.06919	0.01617	0.02275	0.01517	0.07677	0.007582	0.04739	0.008537	0.05402
Pilo         Marter         1061         7855         5.384         1.189         0.2943         0.02928         0.06102         0.06402         0.06402         0.0328         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.0312         0.04642         0.0312         0.0312         0.04602         0.0312         0.0467         0.0464         0.0328         0.0312         0.04602         0.0312         0.0467         0.0312         0.0467         0.0464         0.0312         0.0467         0.0464         0.0312         0.0467         0.0464         0.0467         0.0464         0.0467         0.0464         0.0467         0.0464         0.0467         0.0464 </td <td>8</td> <td>P12</td> <td>2000</td> <td>_</td> <td></td> <td></td> <td></td> <td>deck</td> <td>27.77</td> <td>30.69</td> <td>33.92</td> <td>36.42</td> <td>39.73</td> <td>42.43</td> <td>45.25</td> <td>48.35</td> <td>53.2</td> <td>58.37</td> <td>63.39</td> <td>67.88</td>	8	P12	2000	_				deck	27.77	30.69	33.92	36.42	39.73	42.43	45.25	48.35	53.2	58.37	63.39	67.88
P12         2000         8         0         deck         188.2         196.3         196.3         2014         203.6         205.4         200.4	110							water	10.61	7.855	5.384	1.189	0.5431	0.2948	0.09288	0.06102	0.05402	0.09328	0.03128	0.07772
P12         C000         8         01         Oscarded         65.32         43.20         25.74         0.234         1.522         0.5259         0.2246         0.1201         0.2486           P12         2000         8         01         09         decek         289.6         275.4         274.0         285.1         30.8         312.5         352.1         355.6         362.2         384.2         384.2         36.1         6.051 <t< td=""><td>ΙΞ</td><td>P12</td><td>2000</td><td></td><td><del> </del></td><td></td><td></td><td>deck</td><td>188.2</td><td>192.5</td><td>196.3</td><td>8.861</td><td>201.4</td><td>203.6</td><td>205.8</td><td>207.4</td><td>209.9</td><td>212.7</td><td>216.8</td><td>221.4</td></t<>	ΙΞ	P12	2000		<del> </del>			deck	188.2	192.5	196.3	8.861	201.4	203.6	205.8	207.4	209.9	212.7	216.8	221.4
P12         2000         8         01         09         deck         289.6         273.4         270.9         274.0         285.1         303.8         312.5         312.5         312.5         312.5         335.0         384.2         384.2           P12         2000         8         0         1         deck         548.6         554.9         561.6         575.1         589.5         601.1         612.4         617.8         601.2         608.1         60.081         0.008	112			_		_		water	65.32	43.20	25.78	10.23	3.596	1.522	0.5279	0.2559	0.2246	0.1221	0.2483	0.05497
Pij         1         Awater         108.4         85.0         47.28         5.0.18         6.0467         0.1047         0.1050         0.0818         0.04644         0.05409           Pij         2000         8         01         10         deck         584.6         554.9         561.1         68.7         610.1         612.4         617.8         60.13         61.2	113	P12	2000	ļ	<del> </del>	-	_	deck	289.6	275.4	270.9	274.0	285.1	303.8	312.5	322.1	335.6	363.2	384.2	423.8
P12         2000         8         1         deck         548,6         554,9         561,6         575,1         589,3         60.1         612,4         617,8         61.3         61.3         61.2         598,4         586,6         6877         2.06         61.1         0.0317         0.0317         0.0491         0.02019	4					_		water	108.4	85.50	47.28	22.34	5.018	0.4967	0.1547	0.1050	0.0818	0.04644	0.05402	0.03033
Pigo         See         Control         Contr	115	P12	2000					deck	548.6	554.9	9.195	575.1	589.5	601.1	612.4	817.8	621.3	614.2	598.4	578.6
P19         2000         8         01         15         deck         613.6         611.1         606.1         598.4         596.6         589         581.4           P19         2000         8         01         16         water         244.4         215.8         125.8         58.42         1.211         0.09288         0.06918           P19         2000         8         01         16         deck         194.3         182.9         289.6         359.5         361.8         354.6           P19         2000         8         01         17         deck         194.3         192.7         191.8         189.2         187.8         361.8           P19         2000         8         01         17         deck         79.29         76.27         3.977         0.1156         70.2370           P19         2000         8         01         18         deck         79.29         78.37         8.165         77.76         76.28         76.28           P19         2000         8         01         19         water         23.37         13.48         4.132         0.1317         0.1706         76.99         76.99           P	116							water	234.6	104.2	98.33	22.50	6.877	2.706	0.9317	0.4341	61690.0	0.02275	0.03033	0.03128
P19         2000         8         01         16         deck         34.1         215.8         125.8         58.42         1.211         0.09288         0.06918           P19         2000         8         01         16         deck         34.1         18.3         34.6         354.6         359.5         361.8         354.6           P19         2000         8         01         17         deck         194.3         192.7         191.8         189.2         186.7         0.0464         0.01517         0.02370           P19         2000         8         01         17         deck         79.29         76.27         3.977         0.1156         0.03033         0.02370         0.02370           P19         2000         8         01         18         deck         79.29         78.8         79.33         78.26         77.76         76.28         77.6           P19         2000         8         01         19         deck         9.336         9.034         8.726         8.406         8.105         7.628         7.628           P19         2000         8         02         06         deck         Raining         7 <t< td=""><td>117</td><td>P19</td><td>2000</td><td></td><td></td><td>-</td><td></td><td>deck</td><td>613.6</td><td>611.1</td><td>1.909</td><td>598.4</td><td>9.965</td><td>589</td><td>581.4</td><td>573.8</td><td></td><td></td><td></td><td></td></t<>	117	P19	2000			-		deck	613.6	611.1	1.909	598.4	9.965	589	581.4	573.8				
P19         2000         8         01         16         deck         342.1         344.5         348.9         354.6         359.5         361.8           P19         2000         8         01         17         deck         194.3         118.3         81.95         2.096         0.04644         0.01517           P19         2000         8         01         17         deck         79.29         76.27         3.977         0.1156         0.03033         0.02370           P19         2000         8         01         18         deck         79.29         78.8         79.33         78.26         77.76         76.28           P19         2000         8         01         18         deck         9.336         9.094         8.726         8.406         8.105         7.699           P19         2000         8         02         06         deck         Raining         7.229         0.1858         0.1317         0.1706         0.05497           P19         2000         8         02         06         deck         Raining         9         9         9         9         9         9         9         9         9         9<	811							water	244.4	215.8	125.8	58.42	1.211	0.09288	0.06918	0.05402				
P19         2000         8         01         17         deck         194.3         118.3         81.95         2.096         0.04644         0.01517           P19         2000         8         01         17         deck         194.3         192.7         191.8         189.2         187.8         186.7           P19         2000         8         01         18         deck         79.29         78.8         79.33         78.26         77.76         76.28           P19         2000         8         01         19         water         23.37         13.48         4.132         0.1317         0.09298         0.07677           P19         2000         8         01         19         water         23.37         13.48         4.132         0.1317         0.09298         0.07677           P19         2000         8         0         19         water         2.897         2.229         0.1858         0.1317         0.1706         0.05497           P19         2000         8         0         0         deck         Raining         P         P         P         P         P         P         P         P         P <td< td=""><td>119</td><td>P19</td><td>2000</td><td></td><td></td><td>Н</td><td></td><td>deck</td><td>342.1</td><td>344.5</td><td>348.9</td><td>354.6</td><td>359.5</td><td>361.8</td><td>354.6</td><td></td><td></td><td></td><td></td><td></td></td<>	119	P19	2000			Н		deck	342.1	344.5	348.9	354.6	359.5	361.8	354.6					
P19         2000         8         01         17         deck         194.3         192.7         191.8         189.2         187.8         186.7           P19         2000         8         01         18         deck         79.29         76.27         3.977         0.1156         0.03033         0.02370           P19         2000         8         01         18         deck         9.336         9.094         8.726         77.76         76.28           P19         2000         8         01         19         deck         9.336         9.094         8.726         8.406         8.105         7.699           P19         2000         8         02         06         deck         Raining         7.229         0.1858         0.1317         0.1706         0.05497           P19         2000         8         02         06         deck         Raining         9         1 <td>120</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>water</td> <td>147.6</td> <td>118.3</td> <td>81.95</td> <td>2.096</td> <td>0.04644</td> <td>0.01517</td> <td>0.02370</td> <td></td> <td></td> <td></td> <td></td> <td></td>	120							water	147.6	118.3	81.95	2.096	0.04644	0.01517	0.02370					
P19         2000         8         0.115         0.1156         0.03033         0.02370           P19         2000         8         0.1         1.8         deck         79.29         78.8         79.33         78.26         77.76         76.28           P19         2000         8         0.1         1.9         deck         9.336         9.094         8.726         8.406         8.105         7.699           P19         2000         8         0.2         0.6         deck         Raining         0.1858         0.1317         0.1706         0.05497           P19         2000         8         0.2         0.6         deck         Raining         0.1858         0.1317         0.1706         0.05497           P19         2000         8         0.2         0.6         deck         Raining         0.1858         0.1317         0.1706         0.05497           P19         2000         8         0.2         0.6         deck         Raining         0.1         0.1706         0.05497           P19         2000         8         0.2         0.7         deck         Raining         0.1         0.1         0.1706         0.1706 <t< td=""><td>121</td><td>P19</td><td>2000</td><td></td><td></td><td></td><td>-</td><td>deck</td><td>194.3</td><td>192.7</td><td>8.161</td><td>189.2</td><td>187.8</td><td>186.7</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	121	P19	2000				-	deck	194.3	192.7	8.161	189.2	187.8	186.7						
P19         2000         8         01         18         deck         79.29         78.8         79.33         78.26         77.76         76.28           P19         2000         8         01         19         deck         9.336         9.094         8.726         8.406         8.105         7.699           P19         2000         8         02         06         deck         Raining         7.229         0.1858         0.1317         0.1706         0.05497           P19         2000         8         02         06         deck         Raining         7         7         7         7         7           P19         2000         8         02         06         deck         Raining         7         7         7         7         7           P19         2000         8         02         07         deck         Raining         7         7         7         7         7	122							water	85.59	76.27	3.977	0.1156	0.03033	0.02370						
P19         2000         8         0.1         13         4.13         0.1317         0.09298         0.07677           P19         2000         8         0.1         19         deck         9.336         9.094         8.726         8.406         8.105         7.699           P19         2000         8         0.2         0.6         deck         Raining         0.1858         0.1317         0.1706         0.05497           P19         2000         8         0.2         0.6         water         Raining         N         N         N         N           P19         2000         8         0.2         0.7         deck         Raining         N         N         N         N         N	123	P19	2000					deck	79.29	78.8	79.33	78.26	77.76	76.28						
P19         2000         8         01         19         deck         9.336         9.094         8.726         8.406         8.105         7.699           P19         2000         8         02         06         deck         Raining         8         0.1317         0.1706         0.05497           P19         2000         8         02         06         deck         Raining         8         1         1         1           P19         2000         8         02         07         deck         Raining         8         1         1         1	124							water	23.37	13.48	4.132	0.1317	0.09298	0.07677						
P19         2000         8         0.2         0.0         Raining         0.1706         0.1706         0.05497           P19         2000         8         0.2         0.6         deck         Raining         Raining         0.1317         0.1706         0.05497           P19         2000         8         0.2         0.7         deck         Raining         0.1         0.1         0.1         0.0           Mater         Raining         Raining         0.1         0.1         0.1         0.0	125	P19	2000					deck	9.336	9.094	8.726	8.406	8.105	7.699	7.333					
P19         2000         8         02         06         deck           P19         2000         8         02         07         deck           T         T         T         T         T         T	126			_				water	2.897	2.229	0.1858	0.1317	0.1706	0.05497	0.01611					
P19         2000         8         02         07         deck           water         water	127	P19	2000	_	-			deck	Raining											
P19 2000 8 02 07 deck	128							water	Raining											
water	129	P19	2000	$\dashv$		-		deck	Raining											
	130							water	Raining											

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

0.0836 0.09884 242.9 0.0532 10m 449.4 2.096 188.2 3.223 0 Unit: umol/m2/s 0.02984 0.04569 243.0 453.1 3.068 0.195 189.5 0.0261 3.442 53.36 9m 0.02984 0.07610 0.01492 457.6 4.115 242.3 0.715 53.49 3.675 190.3 8m 0.01492 0.04644 0.09884 0.2210 458.8 242.4 544.2 5.530 3.828 1.529 53.68 190.1 7m 0.02238 0.1604 0.1319 0.09288 0.6310 548.2 8.602 242.3 461.2 7.000 2.096 190.8 54.10 4.031 em 9 0.02984 | 0.007458 | 0.01492 578.2 1.095 0.1014 10.25 242.4 1.016 0.2061 4.224 705.8 463.2 52.85 191.8 4.221 5m 0.04569 711.2 567.0 968.9 2.865 468.0 21.20 240.6 8.860 192.7 1.185 49.26 4.442 4m 0.1912 572.5 241.0 19.69 704.0 34.96 470.8 32.40 4.637 13.67 192.4 2.654 48.21 3m 0.1138 576.4 58.60 6.669 471.7 56.30 242.4 4.838 16.94 6.708 2.493 2m 8.89 193.1 47.21 0.2210 570.2 84.59 8.169 140.9 88.20 241.8 11.28 5.014 472.7 42.30 193.6 16.08 40.98 ĮΉ 0.6266 0.5m 9.995 141.4 689.2 190.5 476.9 128.3 62.14 242.3 192.4 32.30 54.98 16.01 5.200 Raining 571.0 478.2 141.6 2.256 268.5 245.5 179.8 195.5 52.10 198.1 7.679 64.90 57.40 5.420 E<sub>0</sub> Depth water water water water water deck deck water deck deck deck deck deck water deck water water deck water water deck deck water water deck deck |Min|Position SAMPLING TIME H 80 8 9 15 Ξ 12 4 15 8 13 9[ 17 9 Ω 05 02 02 02 07 02 02 07 0 0 0 0 0 00 ∞ Σ 00 00 ∞ ∞ œ ∞ ∞  $\infty$ œ **∞** ∞ 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 > Point No P19 P19 P19 P19 P19 P19 P19 P19 P20 P20 P20 P20 P20 Fotal Page 36 ŝ 131 133 137 138 139 135 136 40 132 134 14 142 143 147 149 150 4 145 146 148 151 152 153 154 155 156

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Continuous point in spring tide

No         Yealth No         Yealth No         Depth         Ossation         Ossation         Image of the control of the c	Total Page 36	1ge 36											ı	,					Uni	Unit: umol/m2/s	s/;
P20         X         M         D         H         Min         Position         Access         Raining         Name	No	Point No		MP	LI	G TI	ME		Depth	0m	0.5m	lm	2m	3т	4m	5m	6m	7m	8m	т6	
P20         200         8         0         0         deck         Raining			>	Σ				In Posit	ion										<u>-</u>		
P20         S 02         G cdck         17.00         17.18         17.39         17.49         17.60         17.69         17.89         17.80         17.89         17.80         17.89         17.80         17.80         17.80         18.10         18.12           P20         2.00         8         0.2         0.7         deck         Raining         3.784         1.896         0.8793         0.07552         0.1063         0.01492         0.11812         0.01492           P20         2.00         8         0.2         0.0         water         Raining         3         3.784         1.896         0.8793         0.07552         0.1063         0.01492         0.01492           P20         2.00         8         0.2         0.0         water         Raining         3         4	157	P20	2000			-				Raining											
P20         6 00         8         02         07         deck         17.00         17.129         17.39         17.49         17.60         17.68         17.89         17.89         17.89         17.89         17.89         17.89         17.89         17.89         17.89         17.89         18.12         0.01492	158			_	_			3		Raining											
P20         Sondo         S         deck         Raining         3.784         1.896         0.8392         0.3972         0.10452         0.10492	159	P20	2000	$\rightarrow$	$\dashv$	-			deck	17.00	17.18	17.29	17.39	17.49	17.60	17.68	17.80	17.89	18.00	18.12	18.20
161         P20         080         6 deck         Raining         Action         Action         Action         Raining         Action	091			_		_	-	2	water	10.44	5.190	3.784	1.896	0.8793	0.3972	0.07552	0.1063	0.01492	0.1912	0.01492	0.2682
162         Page         Auster         Raining         Auster	191	P20	2000			$\dashv$	_			Raining											
163         P20         2000         8         02         04 eck         Raining         9	162							Λ	<b></b>	Raining											
P20         2000         8         02         10         deck         Raining         3         78.5         78.7         78.5         78.7         78.5         78.7 <td>163</td> <td>P20</td> <td>2000</td> <td>_</td> <td></td> <td>-</td> <td></td> <td></td> <td> <b></b> .</td> <td>Raining</td> <td></td>	163	P20	2000	_		-			<b></b> .	Raining											
165         P20         200         8         02         10         deck         Raining         3         78.2         78.2         78.8         78.9         79.4         79.7         80.1         80.1         80.5         81.0         81.26           167         P20         20.00         8         0.2         11         deck         773.9         783.7         78.8         78.8         79.8         79.9         79.9         79.8         80.1         80.5         810.7         812.6           168         P20         2000         8         0.2         11         deck         773.9         78.5         78.8         79.9         79.9         79.8         80.1         1.544         0.6184         0.381         1.819         0.716         80.8         25.7         26.0         25.5         26.0         25.3         25.3         23.8         1.818         40.1         1.785         6.896         3.56.7         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.5         260.2         25.	164							7		Raining			-								
166         P20         2000         8         0.2         1.1         deck         773.9         783.7         785.2         787.8         789.9         794.9         797.8         801.4         805.6         810.7         812.6           168         P20         2000         8         0.2         1.1         deck         773.9         783.7         78.8         78.8         78.9         794.9         797.8         801.4         805.6         810.7         812.6           168         P20         2000         8         0.2         1.2         deck         193.6         178.4         79.84         41.40         24.12         10.05         5.011         1.544         0.6184         0.32.9           170         P20         2000         8         0.2         1.2         deck         193.6         17.84         40.1         17.85         6.896         3.563         4.327         1.819         0.7264         0.3208         0.08392           171         P20         2000         8         0.2         1.3         deck         410.2         414.4         419.8         455.9         455.9         455.9         455.9         455.9         455.9         455.9	165	P20	2000			$\dashv$	4			Raining											
167         P20         200         8         02         11         deck         773.9         783.7         785.2         787.8         789.9         794.9         794.8         801.4         805.6         810.7         812.6           168         ————————————————————————————————————	991			_				•		Raining											
168         water         35.2         238.0         178.4         79.84         41.40         24.12         10.05         50.11         1.544         0.6184         0.3815           169         P20         2000         8         02         12         deck         193.6         198.3         205.6         216.4         232.4         245.8         255.7         260.2         255.7         235.4         233.9           170         mater         95.18         51.89         40.1         17.85         6.896         3.56.2         255.7         255.7         235.4         233.9           171         P20         2000         8         02         13         deck         411.2         414.4         419.8         421.9         425.1         425.0         432.7         1.819         0.764         9.51.9         0.784         409.3           172         mater         145.9         75.35         78.67         35.90         13.98         6.706         3.471         1.621         0.6117         0.1902           174         mater         153.0         72.40         45.5         455.8         455.4         455.8         455.8         455.8         450.0	167	P20	2000		$\dashv$	=		_	deck		783.7	785.2	787.8	789.9	794.9	797.8	801.4	905.6	810.7	812.6	813.9
169         P20         2000         8         02         12         deck         193.6         198.3         205.6         216.4         232.4         245.8         255.7         260.2         255.7         235.4         223.9           170         200         8         0.2         1.3         water         95.18         4.01         17.85         6.896         3.563         4.327         1.819         0.7264         0.3208         0.08392           171         P20         2000         8         0.2         1.3         water         410.2         411.2         414.4         419.8         421.9         425.1         420.0         430.0         419.6         419.6         410.2         411.7         411.4         419.8         421.9         425.1         420.0         419.6         419.6         419.9         421.9         421.9         419.6         419.9 <td< td=""><td>168</td><td></td><td></td><td><math>\dashv</math></td><td>_</td><td>4</td><td>_</td><td>2</td><td>vater</td><td>325.2</td><td>238.0</td><td>178.4</td><td>79.84</td><td>41.40</td><td>24.12</td><td>10.05</td><td>5.011</td><td>1.544</td><td>0.6184</td><td>0.3815</td><td>0.1445</td></td<>	168			$\dashv$	_	4	_	2	vater	325.2	238.0	178.4	79.84	41.40	24.12	10.05	5.011	1.544	0.6184	0.3815	0.1445
P20         2000         8         02         13         deck         41.2         41.4         419.8         421.9         425.1         425.2         425.1         425.2         425.2         425.3	169	P20	2000	-	$\dashv$	-	_		deck	H	198.3	205.6	216.4	232.4	245.8	255.7	260.2	255.7	235.4	223.9	219.4
P20         2000         8         02         13         deck         410.2         411.2         414.4         419.8         421.9         425.1         426.0         423.2         419.6         413.9         425.1         426.0         423.2         419.6         413.9         425.1         426.0         425.1         426.0         425.1         426.0         425.1         426.0         425.2         425.4         455.8         455.8         455.4         455.8	170			$\perp$	4	$\downarrow$	$\dashv$	^	vater	95.18	51.89	40.1	17.85	968.9	3.563	4.327	1.819	0.7264	0.3208	0.08392	0.02238
P20         2000         8         02         14         deck         457.2         458.6         455.9         455.8         455.4         455.8         455.9         455.8         455.9         455.8         455.9         455.8         455.9         455.8         455.9         455.8         455.9         455.8         455.9         455.8	171	P20	2000	_	$\dashv$	$\dashv$	4	<u> </u>	deck	410.2	411.2	414.4	419.8	421.9	425.1	426.0	423.2	419.6	413.9	409.3	405.6
P20         2000         8         02         14         deck         457.2         458.6         455.9         455.8         455.4         455.8         454.9         454.9         454.9         454.9         456.9         436.3	172			_	$\dashv$	_	$\dashv$	*	vater		75.35	78.67	37.52	35.90	13.98	902.9	3.471	1.621	0.6117	0.1902	0.06062
P20         2000         8         02         15         deck         432.4         436.3         436.2         436.1         436.4         436.7	173	P20	2000	_	╼┼		_		Jeck	$\dashv$	458.6	454.0	455.9	455.8	455.4	455.8	454.9	455.8	455.8	454.0	453.1
P20         2000         8         02         15         deck         432.4         436.3         436.2         436.1         434.4         433.9         433.9         434.9         434.9         434.9         434.9         434.5         435.8	174			4	$\perp$	_	$\dashv$	-	vater		72.40	42.38	15.52	5.804	2.232	1.322	0.4450	0.02238	0.1445	0.1445	0.1445
water 174.1 118.4 92.40 41.50 18.85 9.786 4.160 2.123 1.766 0.3856 0.3125	175	P20	2000	-	-+	-	4	1	Jeck	432.4	436.3	436.2	436.1	434.4	433.9	433.4	434.9	434.5	435.8	435.4	436.2
	176			$\Box$	4	_	_	5	vater		118.4	92.40	41.50	18.85	982.6	4.160	2.123	1.766	0.3856	0.3125	0.1298

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

Remark Unit: umol/m2/s B-1m 0.05315 0.007458 0.02238 0.07646 9.905 491.2 303.6 481.0 20m 652.1 0 0 0.1296 0.01429 0.05315 0.08392 0.03823 233.8 303.7 480.0 490.7 667.4 305.2 19m 501 0.02238 0.01492 0.007458 0.07646 0.04288 228.6 327.3 0.1063 163.6 491.2 306.7 496.8 479.2 368.0 18m 654.1 0 0 0 0.002800 0.08391 0.03823 0.09138 0.1445 0.0806 222.8 371.3 164.6 17m 48.69 486.5 0.221 657.3 309.8 492.1 477.8 368.5 0 0 0.2135 0.07646 0.04360 0.1445 9089.0 0.1678 165.6 0.0081 46.79 217.0 0.1371 654.0 310.5 483.3 385.7 488.9 368.9 476.4 I6m 0 0.08360 0.05315 0.0256 0.3665 0.1828 0.3739 394.5 0.1222 485.6 0.02984 0.0918 45.63 207.6 481.4 312.6 473.6 649.7 368.5 168.1 15m 0 0.02960 0.1912 0.05315 0.05315 0.1138 0.2975 9.861 0.1208 I4m 45.65 479.5 397.3 643.7 481.4 471.2 369.5 166.7 315.1 0 0 0.005100 0.006600 0.09138 0.007458 0.02984 0.00815 0.1753 414.9 0.4737 0.02338 190.4 0.2751 0.1194 478.2 316.8 479.1 168.7 371.3 13m 638.1 467.1 48.1 0 0.02984 0.06806 0.00741 180.2 475.9 423.4 318.6 0.4504 0.3441 0.0082 477.3 371.5 168.1 12m 48.61 630.1 465.1 0 0 0.007700 0.06061 0.7562 0.1063 0.1222 0.0308 11m 49.62 170.8 423.8 625.5 320.2 474.8 0.4504 0.1828 462.8 373.1 160.1 474 0 Depth water water water water water water water water deck deck water water deck deck deck deck deck deck deck deck deck water deck water deck water Min Position SAMPLING TIME H 9 80 8 13 0 9 12 7 15 16 17 18 03 03 6 3 03 8 03 3 8 03 3 8 03 00 ∞ Σ ∞ 00 × 00 ∞ ∞ œ 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 > Point No P01 P01 POI <u>S</u> P01 POI P01 POI P01 P01 P01 P01  $\overline{S}$ Fotal Page 36 ŝ 13 15 17 8 25 2 7 16 19 7 23 24 \_ 00 6 = 12 20 22 7 9

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Continuous point in spring tide

lotal rage 30	36					2	-										ב ב	Unit: umol/m2/s	\$/7
No P	Point No	SA	MPI	SNI	SAMPLING TIME		<del>-</del>	m II	12m	13m	14m	15m	16т	17m	18т	19т	20m	B-1m	Remark
		*	Σ	D	H	Min Position													
27	P01	2000	8	03	19	deck		1.842	1.781	1.749	1.721	1.679	1.637	1.601					
28						water	ter	0	0.01402	0	0.007410	0	0	0					
29	P04	2000	8	03	90	deck	zk												
30						water	ter												
31	P04	2000	8	03	07	deck	ck.												
32						water	ter												,
33	P04	2000	8	03	80	deck	×												
34						water	ter												
35	P04	2000	8	03	60	deck	ck.												
36						water	ter												
37	P04	2000	8	03	10	deck	ck s												
38						water	ter												
39	P04	2000	∞	03	=	deck	ck												
40						water	ter												
41	P04	2000	∞	03	12	deck	ck												
42						water	ter												
43	P04	2000	∞	03	13	deck	×		-										
44						water	ter												
45	P04	2000	<b>∞</b>	03	14	deck	ķ												
46						water	ter												
47	P04	2000	8	03	15	deck	ck.												
48						water	ter												
49	P04	2000	∞	03	16	deck	*												
50						water	ter												
-51	P04	2000	∞	03	17	deck	쏭												
;						10,000	-												

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

s/	Remark															_												
Unit: umol/m2/s	B-1m																											
Cni	20m																											
	19т																											
	18m																											
	m/1																											
	16т																											
	15m																											
	14m																											
	13m																					į						
	12m																											
	   11m																											
:	Depth	Min Position	deck	water	deck	water	deck	water	deck	water	узәр	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water
	ME														_													
	SAMPLING TIME	H	3 18	$\dashv$	3 19		01 1	_	=		1 12		13		4	_	15		91 1		17		18	-	19	-	8	_
	PLIN	O I	8 03	$\dashv$	8 03		7 31	_	7 31	ᅱ	7 31	-	7 31		7 31		7 31		7 31	$\dashv$	7 31	$\dashv$	7 31	$\dashv$	7 31	$\dashv$	- - - -	$\dashv$
	šAMI	<u>W</u> ~					2000	_			2000				<b></b> ↓	-	$\blacksquare$	$\dashv$	2000	$\dashv$			$\rightarrow$	$\dashv$		$\dashv$	_	
		Y	2000	_	2000		20 20	$\dashv$	2000		2 <u>0</u>		2000		2000		2000		20 <u>.</u>		2000	_	2000	$\dashv$	2000	_	7000	$\dashv$
ıge 36	Point No		P04		P04		P11		P11		PH		P11		PII		P11		P11		P11		P11		P11		PII	
Total Page 36	Ž		53	54	55	98	57	58	59	9	19	62	E9	64	65	99	29	89	69	70	71	72	73	74	75	9/	77	78

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l/m2/s	m Remark																											Ţ
Unit: umol/m2/s	B-1m													_														
Un	20m		,											:														
	19m																											
	18m																											
	17m																			-	1010	0			-			
	16m			_																	1030	0						
)	15m			_																	1019	0.01014						
•	14m														2072	0.01611	2182	0.03033	1525	0.04739	1034	0.01517						
•	13m		-												2066	0.02755	2166	0.03128	1505	0.03033	976.5	0.02365			164.0	0		
	12m														2066	0.04644	2141	0.03033	1618	0.0616	8.266	0.0853	378.9	0.03128	165.4	0	66.82	
	11m										1823	0.09288	1881	0.01317	2068	0.03791	2160	0.0306	1656	0.05402	1028	0.05491	374.9	0.06255	167.4	0	08.99	
	Depth	Min Position	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck									
	ME																											ļ
	SAMPLING TIME	H	07		80		60		10		10		11		12		13		14		15		16		17		18	L
	LIN	D	01		01		01		01		31		31		31		31		31		31		31		, 31	_	, 31	L
	AMF	M	8 0		8 0		8 00		8 00		7 0		7 00		7 0(		7 0(	_	7 00		7 00		7 00		7 00		7 00	-
		Y	2000		2000		2000		2000		2000		2000		2000		2000		2000		2000		2000		2000	_	2000	L
ge 36	Point No		P11		P11		PII		P11		P12		P12		P12		P12		P12		P12		P12		P12		P12	
Total Page 36	ŝ		62 -	80	81	82	83	84	85	98	87	88	68	06	91	92	93	94	95	96	97	86	66	100	101	102	103	

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

Point No.         SAMPILACTIME         Dopth osition         11m         12m         13m         14m         15m         16m         17m         18m         19m         20m         B-Im         Remandaria           P12         2000         7         31         19         4eck         4.452         4.712         31         19m         20m         B-Im         Remandaria           P12         2000         8         01         6ck         4.452         4.712         31         17m         18m         19m         20m         B-Im         Remandaria           P12         2000         8         01         6ck         4.452         4.712         31         31         4	ag	Total Page 36							•										Uni	Unit: umol/m2/s	2/s
Y         Min         Desition         Act         2.882         Control         Act         2.882         Control         Act         2.882         Control         Act         Act         2.882         Control         Act         A	Poin	nt No		MP	LIN	G TI	ME		Depth	11m	12m	13m	14m	15m	16m	17т	m81	19m	20m	B-1m	Remark
2000         7         31         19         deck         2.882         9         6         4         <			Y	M				lin Posi	tion											<u>.</u>	
2000         8         0.0         deck         4.482         4.512         6         deck         4.482         4.512         6         deck         4.482         4.512         7         7         6         deck         4.482         4.512         7         7         8         0         6         6         4.482         4.512         7         7         8         0         9         9         4.482         4.512         8         0         0         9         9         4         4.482         4.512         8         0         1         9		P12	2000						deck	2.882				·····							
2000         8         01         06         deck         4.482         4.512         9           2000         8         01         07         deck         73.27         77.27         86.02         9           2000         8         01         07         deck         73.27         77.27         86.02         9           2000         8         01         08         deck         221.9         222.1         219.9         217.4         9           2000         8         01         08         deck         221.9         222.1         219.9         217.4         9           2000         8         01         08         deck         462.4         489.4         505.5         532.7         532.5           2000         8         01         10         deck         562.8         546.8         536.8         532.9         532.5           2000         8         01         15         deck         50.0611         0.00237         0.05479         0.01611           2000         8         01         15         deck         562.8         546.8         536.8         536.9         532.9           2000	l								water	0.03033											
2000         8         01         07         deck         73.27         77.27         86.02         9           2000         8         01         07         deck         73.27         77.27         86.02         9           2000         8         01         08         deck         221.9         222.1         219.9         217.4         9           2000         8         01         08         deck         221.9         222.1         219.9         217.4         9           2000         8         01         09         deck         462.4         489.4         505.8         532.7         532.5           2000         8         01         09         deck         562.8         546.8         536.8         532.7         532.5           2000         8         01         10         deck         562.8         546.8         536.8         538.9         538.9           2000         8         01         15         deck         36.1         6.0         46.2         48.9         48.9         48.9         538.9         538.9         538.9         538.9           2000         8         01         16		P12	2000						deck	4.482	4.512										
2000         8         01         07         deck         73.27         77.27         86.02         9           2000         8         0         0         water         0.0237         0.04739         0.01611         9           2000         8         0         0         deck         221.9         222.1         219.9         217.4         9           2000         8         0         0         deck         462.4         489.4         505.5         532.7         532.5           2000         8         0         0         deck         462.4         489.4         505.5         532.7         532.5           2000         8         0         0         deck         50.0379         0.06519         0.05370         0.01611           2000         8         0         1         0         deck         50.0625         0.01611         0.02370         0.01611           2000         8         0         1         0         deck         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0						_			water	-	0.02166		· ••								
2000         8         ol.         water         0.0237         0.04739         0.01611         mater           2000         8         01         08         deck         221.9         222.1         219.9         217.4         mater           2000         8         01         08         deck         462.4         489.4         505.5         532.7         532.5           2000         8         01         10         deck         562.8         546.8         536.8         532.7         532.5           2000         8         01         10         deck         0.06255         0.01611         0.00830         0.02370         0.01611           2000         8         01         15         deck         0.06255         0.01611         0.008330         0.02370         0.01611           2000         8         01         15         deck         0.06255         0.01611         0.008330         0.02370         0.01611           2000         8         01         15         deck         0.06255         0.01611         0.008330         0.02370         0.01611           2000         8         01         18         deck         0.0		P12	2000	$\Box$	-	_			deck	73.27	77.27	86.02									
2000         8         01         08         deck         221.9         217.4									water	0.0237	0.04739	0.01611									
2000         8         01         water         0.09288         0.1081         0.09383         0.06919         30.06919           2000         8         01         09         deck         462.4         489.4         505.5         532.7         532.5           2000         8         01         10         mater         0.03791         0.06519         0.02275         0.05497         0.01611           2000         8         01         10         mater         0.06255         0.01611         0.008530         0.02370         0.01611           2000         8         01         15         mater         0.06255         0.01611         0.008530         0.02370         0.01611           2000         8         01         15         mater         0.06255         0.01611         0.008530         0.02370         0.01611           2000         8         01         16         mater         0.06255         0.01611         0.008530         0.02370         0.01611           2000         8         01         17         mater         0         0         0         0         0         0         0         0         0         0         0         0		P12	2000		-				deck	221.9	222.1	219.9	217.4								
2000         8         01         09         deck         462.4         489.4         505.5         532.7         532.5           2000         8         01         10         water         0.03791         0.06919         0.02275         0.05497         0.01611           2000         8         01         10         deck         562.8         546.8         536.8         528.9         0.01611           2000         8         01         15         deck         N.         N.         N.         N.         N.           2000         8         01         16         water         N.										0.09288	0.1081	0.09383	0.06919		!						
2000         8         0.0         4eck         562.8         546.8         536.8         528.9         0.01611           2000         8         0.1         1.0         deck         562.8         546.8         536.8         528.9         0.01611           2000         8         0.1         1.5         deck         0.06255         0.01611         0.008330         0.02370         0.01611           2000         8         0.1         1.5         deck         0.06255         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.02370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.008370         0.01611         0.01611         0.008370		P12	2000	ш		$\vdash$			deck	462.4	489.4	505.5	532.7	532.5	508.6						
2000         8         01         10         deck         562.8         546.8         536.8           2000         8         01         15         deck         0.06255         0.01611         0.008530           2000         8         01         15         deck         Nater									water	-	0.06919	0.02275	0.05497	0.01611	0.008530						
2000         8         0.1         1.5         deck         0.06255         0.01611         0.008530           2000         8         0.1         1.6         water         8         9		P12	2000		-				deck	562.8	546.8	536.8	528.9								
2000     8     01     15       2000     8     01     16       2000     8     01     17       2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07					_				water	0.06255	0.01611	0.008530	0.02370								
2000     8     01     16       2000     8     01     17       2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07		P19	2000	_		$\dashv$	_		deck												
2000     8     01     16       2000     8     01     17       2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07				_	_	_	_	-	water												
2000     8     01     17       2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07		P19	2000		$\dashv$				deck												
2000     8     01     17       2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07						_			water				-								
2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07		P19	2000		-				deck												•
2000     8     01     18       2000     8     01     19       2000     8     02     06       2000     8     02     07				_	-				water												
2000 8 01 19 2000 8 02 06 2000 8 02 07		P19	2000	_	$\dashv$				deck												
2000     8     01     19       2000     8     02     06       2000     8     02     07				_					water												
2000 8 02 06 2000 8 02 07		P19	2000	$\Box$	$\dashv$		_		deck												
2000 8 02 06							_		water												
2000 8 02 07		P19	2000	_	$\dashv$	-			deck					3							
2000 8 02 07	L			_	-			$\dashv$	water												
water		P19	2000					-	deck												
					_		_		water												

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	Remark																											
Unit: umol/m2/s	B-1m																											
Unit	20m															-												
	19ш																											
	18m																		424.6	0.02180								
	17m																		426.8	0.0680	237.7	0.008200	182.7	0.001200	50.93	0.002338	2.400	0.01492
	16m		:	_															431.7	0.4120	238.9	0.008100	183.0	########	51.17	0	2.475	0.01492
)	15m																		436.5	0.5420	239.7	0.02980	184.5	0.0385	51.63	0.007458	2.614	0.007458
•	14m																		440.0	0.2130	239.6	0.1600	183.0	0.0225	51.64	0.08392	2.717	0.09138
-	13m																		441.5	0.2136	242.2	0.1604	186.5	0.04510	50.70	0.01492	2.842	0.05315
	12m																		444.6	1.000	242.2	0.076	186.8	0.0452	53.26	0.02238	2.982	0.09884
	11m																		447.2	1.391	242.7	0.068	187.4	0.1371	52.65	0.01492	3.121	0.09138
	Depth	Min Position	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water														
	<b>1</b>	Min																										
	TIN	H	08		60		10		Ξ		12		13		14		15		15		16		11		18		19	
	SAMPLING TIME	α	02		02		02		02		05		02		02		02		10		01		01		01		01	
	     WPI	M	8		8		∞		8		8		∞		∞		8		8		8		8		8 (		8	
	SA	Y	2000		2000		2000		2000		2000		2000		2000		2000		2000		2000		2000		2000		2000	
e 36	Point No		P19		P19		P19		P19		61d		P19		P19		P19		P20		P20		P20		P20		P20	
Total Page 36	- ŝ		131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156
Tol	<u> </u>												R		6									<b> </b>	<u> </u>		li	

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in spring tide

ME Win Win	Depth  Position  deck  water  deck  water	11m 18.30 0 0 0 813.5 0.01492 403.2 0.07646 452.1 0.01429	12m 18.44 0.01492 813.0 0.04569 217.8 0.01492 399.5 399.5 399.5 438.6	13m 18.55 0.01492 0.0074 224.6 0.007458 394.9 0.06806 450.7 0.01492 438.1				17m 18.89 0.02984 0.02984 778.6 0.003700 241.0 0.01492 380.5 0.02238 444.6 0.02238	18m 18.94 0.01492 0.01492 0.01492 0.01492 0.04569 0.04569 0.04569	19m 18.98 0.06061 754.4 0.001400 228.6 0.03823 38.4 0.02984 441.4 0.06061	20m 20m 18.96 0.07464	B-1m	Remark
그 나를 내로 1위 나위 나위 나위 나를 나를 내릴 다칠 나를 다 했다.	H Min H Min H 11 10 09 08 09 12 12 11 12 12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13	is a large state of the state o	Depth   11m   11m	Depth   11m   11m	Depth   11m   12m   12m   deck   water   0.01492   deck   water   deck   water   deck   water   deck   water   deck   water   0.1087   0.04569   deck   214.1   217.8   water   0.01492   0.01492   deck   deck	Depth   11m   12m   13m   14m   14m   15m   18.55   18.60   18.44   18.55   18.60   18.40	Depth	Depth	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0         0.01492         0.01492         0.01492         0.01604         0.1604           deck         813.5         813.0         812.6         809.7         801.4         789.5           water         0.0187         0.04569         0.0074         0.01490         0.007400         0.002500           deck         403.2         389.5         394.9         390.2         386.5         381.9           water         0.01492         0.007458         0.007458         0.007458         0.007458         0.007458         0.007456         0.004569         0	Depth	Depth   12m   12m   13m   14m   15m   16m   17m   18m   18m   14m   15m   16m   17m   18m   18	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck water         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0604           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.04569         0.00740         0.00450         0.00450         0.001400         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.00450         0.00450 <td< td=""><td>  Depth   11m   12m   13m   14m   15m   16m   17m   18m   19m   20m    </td></td<>	Depth   11m   12m   13m   14m   15m   16m   17m   18m   19m   20m
NG TI	NG TIME   D H Min   O2 00 00 00 00 00 00 00 00 00 00 00 00 00	is a large state of the state o	Depth   11m   11m	Depth   11m   11m	Depth   11m   12m   12m   deck   water   0.01492   deck   water   deck   water   deck   water   deck   water   deck   water   0.1087   0.04569   deck   214.1   217.8   water   0.01492   0.01492   deck   deck	Depth   11m   12m   13m   14m   14m   15m   18.55   18.60   18.44   18.55   18.60   18.40	Depth	Depth	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0         0.01492         0.01492         0.01492         0.01604         0.1604           deck         813.5         813.0         812.6         809.7         801.4         789.5           water         0.0187         0.04569         0.0074         0.01490         0.007400         0.002500           deck         403.2         389.5         394.9         390.2         386.5         381.9           water         0.01492         0.007458         0.007458         0.007458         0.007458         0.007458         0.007456         0.004569         0	Depth	Depth   12m   12m   13m   14m   15m   16m   17m   18m   18m   14m   15m   16m   17m   18m   18	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck water         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0604           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.04569         0.00740         0.00450         0.00450         0.001400         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.00450         0.00450 <td< td=""><td>Depth         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck         water         0.01492         0.1604         0.1863         18.77         18.89         18.94         18.98         18.94           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606           deck         18.30         18.26         809.7         80.14         789.5         778.6         764.2         754.4           water         0.1087         0.04569         0.00740         0.01490         0.00450         0.001400         0.001400         0.001400         0.001400         0.001400         0.001400         0.001400         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569</td></td<>	Depth         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck         water         0.01492         0.1604         0.1863         18.77         18.89         18.94         18.98         18.94           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606           deck         18.30         18.26         809.7         80.14         789.5         778.6         764.2         754.4           water         0.1087         0.04569         0.00740         0.01490         0.00450         0.001400         0.001400         0.001400         0.001400         0.001400         0.001400         0.001400         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569         0.004569
## PLING TI ## D H# ##	LING TIM  D H  02 05 06  02 08 02 09  03 08 02 11  04 05 11  05 11  06 13	is a large state of the state o	Depth   11m   11m	Depth   11m   11m	Depth   11m   12m   12m   deck   water   0.01492   deck   water   deck   water   deck   water   deck   water   deck   water   0.1087   0.04569   deck   214.1   217.8   water   0.01492   0.01492   deck   deck	Depth   11m   12m   13m   14m   14m   15m   18.55   18.60   18.44   18.55   18.60   18.40	Depth	Depth	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0         0.01492         0.01492         0.01492         0.01604         0.1604           deck         813.5         813.0         812.6         809.7         801.4         789.5           water         0.0187         0.04569         0.0074         0.01490         0.007400         0.002500           deck         403.2         389.5         394.9         390.2         386.5         381.9           water         0.01492         0.007458         0.007458         0.007458         0.007458         0.007458         0.007456         0.004569         0	Depth	Depth   12m   12m   13m   14m   15m   16m   17m   18m   18m   14m   15m   16m   17m   18m   18	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck water         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0604           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.04569         0.00740         0.00450         0.00450         0.001400         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.00450         0.00450 <td< td=""><td>Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck water         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0604           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.04569         0.00740         0.00450         0.00450         0.001400         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.00450         0.00450         <td< td=""></td<></td></td<>	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck water         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.94           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0604           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.04569         0.00740         0.00450         0.00450         0.001400         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4           water         0.1087         0.00450         0.00450 <td< td=""></td<>
LING TI  D H  D O O O O O O O O O O O O O O O O O O	LING TIME  D H Min  02 06  02 08  02 09  02 10  02 11  02 13  02 14  02 15	is a large state of the state o	Depth   11m   11m	Depth   11m   11m	Depth   11m   12m   12m   deck   water   0.01492   deck   water   deck   water   deck   water   deck   water   deck   water   0.1087   0.04569   deck   214.1   217.8   water   0.01492   0.01492   deck   deck	Depth   11m   12m   13m   14m   14m   15m   18.55   18.60   18.44   18.55   18.60   18.40	Depth	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         0.0180         0.01492         0.01492         0.01492         0.01492         0.01499         0.0074         0.01499           water         0.0187         0.04569         0.0074         0.01490         0.007458         0.007458         0.007400         0.002500           deck         214.1         217.8         224.6         223.8         239.1         241.3           water         0.01492         0.007458         0.007458         0.007458         0.007469         0           deck         403.2         399.5         394.9         390.2         386.5         381.9           water         0.01429         0.01429         0.01429         0.01429         0.01429	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         0.0180         0.01492         0.01492         0.01492         0.01492         0.01499         0.0074         0.01499           water         0.0187         0.04569         0.0074         0.01490         0.007458         0.007458         0.007400         0.002500           deck         214.1         217.8         224.6         223.8         239.1         241.3           water         0.01492         0.007458         0.007458         0.007458         0.007469         0           deck         403.2         399.5         394.9         390.2         386.5         381.9           water         0.01429         0.01429         0.01429         0.01429         0.01429	Depth	Depth   12m   12m   13m   14m   15m   16m   17m   18m   18m   14m   15m   16m   17m   18m   18	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck deck         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0         0.01492         0.1604         0.1863         0.1604         0.0284         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.01490         0.00740         0.00740         0.00740         0.00740         0.00740         0.00740         0.00250         0.003700         0         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4         228.6           water         0.1087         0.00450         0.00450         0.00450         0.00450         0.	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck deck         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0         0.01492         0.1604         0.1863         0.1604         0.0284         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.01490         0.00740         0.00740         0.00740         0.00740         0.00740         0.00740         0.00250         0.003700         0         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4         228.6           water         0.1087         0.00450         0.00450         0.00450         0.00450         0.
	G TIME  G TIME  H Min  10  10  10  10  11  11  11  11  12  13  14  15  16  17  18  18  19  19  10  10  10  10  10  10  10  10	is a large state of the state o	Depth   11m   11m	Depth   11m   11m	Depth   11m   12m   12m   deck   water   0.01492   deck   water   deck   water   deck   water   deck   water   deck   water   0.1087   0.04569   deck   214.1   217.8   water   0.01492   0.01492   deck   deck	Depth   11m   12m   13m   14m   14m   15m   18.55   18.60   18.44   18.55   18.60   18.40	Depth	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         0.0180         0.01492         0.01492         0.01492         0.01492         0.01499         0.0074         0.01499           water         0.0187         0.04569         0.0074         0.01490         0.007458         0.007458         0.007400         0.002500           deck         214.1         217.8         224.6         223.8         239.1         241.3           water         0.01492         0.007458         0.007458         0.007458         0.007469         0           deck         403.2         399.5         394.9         390.2         386.5         381.9           water         0.01429         0.01429         0.01429         0.01429         0.01429	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         0.0180         0.01492         0.01492         0.01492         0.01492         0.01499         0.0074         0.01499           water         0.0187         0.04569         0.0074         0.01490         0.007458         0.007458         0.007400         0.002500           deck         214.1         217.8         224.6         223.8         239.1         241.3           water         0.01492         0.007458         0.007458         0.007458         0.007469         0           deck         403.2         399.5         394.9         390.2         386.5         381.9           water         0.01429         0.01429         0.01429         0.01429         0.01429	Depth	Depth   12m   12m   13m   14m   15m   16m   17m   18m   18m   14m   15m   16m   17m   18m   18	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck deck         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0         0.01492         0.1604         0.1863         0.1604         0.0284         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.01490         0.00740         0.00740         0.00740         0.00740         0.00740         0.00740         0.00250         0.003700         0         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4         228.6           water         0.1087         0.00450         0.00450         0.00450         0.00450         0.	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck deck         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0         0.01492         0.1604         0.1863         0.1604         0.0284         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.0984         0.01492         0.0604         0.01490         0.00740         0.00740         0.00740         0.00740         0.00740         0.00740         0.00250         0.003700         0         0.001400           deck         813.5         813.0         812.6         809.7         801.4         789.5         778.6         754.4         228.6           water         0.1087         0.00450         0.00450         0.00450         0.00450         0.
	WE WILL THE	is a large state of the state o	Depth   11m   11m	Depth   11m   11m	Depth   11m   12m   12m   deck   water   0.01492   deck   water   deck   water   deck   water   deck   water   deck   water   0.1087   0.04569   deck   214.1   217.8   water   0.01492   0.01492   deck   deck	Depth   11m   12m   13m   14m   14m   15m   18.55   18.60   18.44   18.55   18.60   18.40	Depth	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0         0.01492         0.01492         0.01492         0.01604         0.1604           deck         813.5         813.0         812.6         809.7         801.4         789.5           water         0.0187         0.04569         0.0074         0.01490         0.007400         0.002500           deck         403.2         389.5         394.9         390.2         386.5         381.9           water         0.01492         0.007458         0.007458         0.007458         0.007458         0.007458         0.007456         0.004569         0	Depth         11m         12m         13m         14m         15m         16m           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0.01492         0.01492         0.1604         0.1986         0.1604           deck         18.30         18.44         18.55         18.60         18.63         18.77           water         0         0.01492         0.01492         0.01492         0.01604         0.1604           deck         813.5         813.0         812.6         809.7         801.4         789.5           water         0.0187         0.04569         0.0074         0.01490         0.007400         0.002500           deck         403.2         389.5         394.9         390.2         386.5         381.9           water         0.01492         0.007458         0.007458         0.007458         0.007458         0.007458         0.007456         0.004569         0	Depth	Depth   12m   12m   13m   14m   15m   16m   17m   18m   18m   14m   15m   16m   17m   18m   18	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck deck         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.98           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         812.6         8097         801.4         789.5         778.6         754.4         18.98         18.98           water         0.1087         0.04569         0.00740         0.01490         0.00740         0.00250         0.003700         0         0.001400           deck         214.1         217.8         224.6         223.8         239.1         241.3         241.3         241.6         237.4         228.	Depth in Position         11m         12m         13m         14m         15m         16m         17m         18m         19m         20n           deck deck         18.30         18.44         18.55         18.60         18.63         18.77         18.89         18.94         18.98         18.98           water         0.01492         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         18.44         18.55         18.60         18.63         18.94         18.98         18.98           water         0         0.01492         0.1604         0.1986         0.1604         0.02984         0.01492         0.0606         0.004           deck         18.30         812.6         8097         801.4         789.5         778.6         754.4         18.98         18.98           water         0.1087         0.04569         0.00740         0.01490         0.00740         0.00250         0.003700         0         0.001400           deck         214.1         217.8         224.6         223.8         239.1         241.3         241.3         241.6         237.4         228.

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Continuous point in neap tide

Total F	Total Page 36															Un	Unit: umol/m2/s	2/s
Ž	Point	SAN	MPLI	NG	SAMPLING TIME	Depth	m0	0.5m	mI	2m	3m	4m	5m	щ9	7m	8m	9m	10m
	2	Y	M		H Min	Min Position												
_	P01	2000	8	01	90	deck	8.226	8.503	8.651	8.847	966'8	991.6	9.410	9.602	9.798	9.942	10.17	10.36
2				$\vdash$		water	3.678	1.850	0.5268	0.1828	0.152	0.06866	0	0.1063	0.1147	0.007458	0.1604	0.04569
3	P01	2000	8	10	07	deck	251.1	252.8	252.4	253.8	254.9	256.0	256.8	257.1	257.9	258.9	259.0	261.0
4						water	75.06	13.24	5.107	969:1	0.3590	0.1448	0.007458	0.007458	0.1678	0.09138	0	0.007458
5	P01	2000	8	10	80	deck	667.4	9:/99	668.5	1.999	676.2	674.5	678.0	0.929	673.0	0.779	682.0	0.889
9			$\vdash$			water	18405	80.60	46.01	41.84	29.86	12.76	1.500	0.00600	0.0	0.5400	0	0
7	P01	2000	8 1	10	60	deck	0901	1066	1083	1084	8201	1072	1068	1901	1901	1055	1062	1065
8						water	565.0	198.7	65.28	7.694	1.206	0.2967	0.007610	0	0	0	0	0
6	P01	2000	8 ] 1	10	10	deck	1309	1320	1339	1358	1361	1347	1350	1344	1347	1350	1430	1462
10						water	158.4	88.31	37.29	10.97	5.346	1.135	0.6871	0.02890	0.1447	0.03529	0.00801	0
=	P01	2000	8	10	11	deck	1713	1707	1709	2021	1702	1702	1702	1705	1700	1703	1714	1719
12						water	162.4	119.2	106.0	23.54	10.33	4.588	4.550	2.239	1.560	0.7646	0.4205	0.5194
13	P01	2000	_ ∞	2	12	deck	1741	1731	1723	1728	1721	1711	1715	1732	1724	1731	1734	1732
14						water	833.6	230.5	196.1	105.8	78.22	66.21	43.95	26.68	10.45	12.96	7.181	7.114
15	P01	2000	8	10	13	deck	1679	1682	1695	1678	1689	1701	1687	1677	1688	1673	1666	1677
16						water	891.8	497.2	6'167	210.2	55.84	34.62	39.22	10.58	6.079	5.185	3.037	2.364
17	P01	2000	8	10	14	deck	1672	1600	1595	1585	1569	1586	1584	1579	1578	1566	1560	1556
81						water	128.3	52.11	14.73	13.94	9.523	4.951	0.7450	0	0	0.2169	0	0.449
19	P01	2000	∞	2	15	deck	1396.2	1405	1395.4	1404.3	1412.8	1400	1421.3	1423	1433.2	1425	1435	1437.3
20						water	114.2	24.123	3.2964	0.4726	0.2045	0.10124	0.0846	0	0	0	0	0
21	P01	2000	8	10	16	deck	949.5	950.3	948.1	949.4	941.3	940.6	942.9	926.8	926.7	916.5	915.4	907.5
22						water	53.24	4.735	0.9304	0.08329	0	0.00214	0.03214	0.00815	0.00741	0.05218	0.01456	0.08211
23	P01	2000	- 8	01	17	deck	458.8	457.8	458.4	458.2	459.7	460.6	462.5	464.4	466.7	465.7	463.4	466.7
24						water	296.2	68.29	25.59	7.664	5.147	0.3058	0.3590	0.09884	0.6117	0	0.05315	0.1063
25	P01	2000	-	0_	18	deck	170.6	46.80	166.7	166.5	165.0	165.5	165.5	164.7	164.7	164.1	163.8	162.7
26			$\dashv$	$\dashv$	_	water	52.04	18.68	33.08	1.888	0.9399	0.1147	0.1063	0.05315	0.04569	0.08392	0.002381	0.06061
	;	,																

Printer:Chen Jian Chang Checker:Kuang Zheng Chang Examiner:Zhong Si Sheng

Unit: umol/m2/s

Total 1	Total Page 36																5	Offit. unitolymizes	5 17
, Z	Point No	SA	MPI	ING	SAMPLING TIME	3	Depth	0m	0.5m	lт	2m	3т	4m	5m	em	7m	8m	m6	10m
	<u> </u>	λ	M	Q	H	Min	Position												
27	P01	2000	8	10	19		deck	19.52	19.20	18.92	18.72	18.45	18.16	17.93	17.53	17.27	16.85	16.66	16.41
28							water	12.69	995.0	0.04569	0.2975	0	0	0	0.01492	0	0.4205	0	0
29	P04	2000	8	01	90		deck	13.36	14.20	14.56	14.96	15.52	16.01	16.83	17.36	18.25	19.25	20.26	
30							water	4.164	1.600	0.5204	0.1156	0.01517	0.01517	0.007582	0.008532	0	0	0	
31	P04	2000	∞	10	07		deck	265.7	271.1	271.4	273.3	274.9	281.3	280.0	285.1	289.1	293.3		
32							water	94.3	31.31	13.25	2.944	0.6445	0.1630	0.03791	0.01517	0.02257	0		
33	P04	2000	8	10	80		deck	726.0	727.3	723.7	724.0	727.4	725.4	732.2	731.4	736.4	743.0		
34							water	357.7	159.9	68.35	16.24	1.848	0.3412	0.03791	0.05412	0	0		
35	P04	2000	∞	10	60		дээр	1136	1154	1186	2811	1173	1169	1163	1159	1161	1162		
36							water	648.6	510.5	121.6	22.07	2.913	0.4578	0.04644	61690:0	0.03033	0.06160		
37	P04	2000	∞	2	10		deck	1530	1519	1528	1522	1542	1524	1535	1535	1525	1522		
38							water	613.6	206.0	55.78	2.968	0.3877	0.03033	0.02019	0.07677	0.1861	0.04644		-
39	P04	2000	8	10	11		deck	1706	1703	1707	1711	1725	1735	1754	1737	1768	1838		
40							water	939.8	338.4	83.24	8.165	0.6985	0.2322	0.03033	0.5595	0.2246	0.07677		
4	P04	2000	∞	10	12		дээр	1922	1926	1928	1924	1930	1960	1954	1939	1947	1944		
42							water	866.9	139.5	23.45	1.809	0.3649	0.4654	0.3099	0.1706	0.1393	0.1005	:	
43	P04	2000	8	10	13		qeck	1830	1822	1825	0981	1857	1827	1828	1981	1814	1812		
44							water	366.2	108.4	97.78	5.197	0.5279	0.2948	0.09288	0.1246	0.3877	0.1081		
45	P04	2000	8	10	14		deck	1765	1777	1785	1706	1659	1600	1692	1683	1740	1755		
46							water	115.6	69.95	11.86	8.53	0.1785	0.03033	0.04644	0.1393	0.05402	0.02275		
47	P04	2000	8	10	15		deck	1457	1441	1458	1460	1455	1460	1450	1437	1412	1414		
48							water	141.7	45.33	9.549	1.134	0.1469	0.1317	0.2095	0.2019	0.2322	0.1412		
49	P04	2000	8	10	16		deck	1031	1038	1051	1044	1039	1040	1037	925.4	940.7			
50							water	168.3	28.56	2.649	0.1469	0.1156	0.07677	0.3024	0.1545	0.05402			
51	P04	2000	8	10	17		deck	636.7	624.7	614.2	622.7	625.4	623.2	631.2	634.4	623.1			
52							water	109.3	18.46	6.993	0.2872	0.05402	0.1706	0.0853	0.07677	0.08625			

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Continuous point in neap tide

Total Page 36	age 36																Un	Unit: umol/m2/s	2/s	•
S.	Point	SAS	MPL	ING	SAMPLING TIME	ā	Depth	0m	0.5m	m1	2m	3m	4m	5m	ш9	Лт	w8	9m	10m	<del></del>
	}	Y	М	Q	Н	Min	Min Position													
53	P04	2000	∞	10	81		deck	276.9	266.3	260.3	246.9	241.9	211.7	206.4	209.2	243.3				ı
54							water	89.98	9.646	2.408	2.109	0.05497	0.07677	0.02275	0.01517	0.01517				<u> </u>
55	P04	2000	8	01	61		deck	26.47	25.68	25.17	24.74	23.88	23.19	22.69	22.03	21.59	20.70			
56							water	10.96	1.732	0.8000	0.07677	0.02275	0.02275	0.09288	0.03791	0.06919	0.03033			<u> </u>
57	P11	2000	∞	20	01		deck	1716	1720	1695	1702	1719	1731	1721	1746	_			_	1
58							water	9111	597.3	260.5	40.72	8.635	2.579	1.530	0.6445					1
59	P11	2000	8	07	11		deck	1274	1147	1059	1011	986.5	1.996	977.4	955.4					
9							water	459.1	168.3	88.66	29.56	8.933	2.874	0.4265	0.1514					
61	P11	2000	∞	07	12		deck	2091	2099	2097	2093	5096	2098	2092	2100	2101				1
62							water	1156	8.697	248.9	59.16	21.26	11.42	3.123	0.7763	0.2407				-
63	P11	2000	8	07	13		deck	0901	888.3	775.0	730.9	723.7	724.1	743.9	745.2	739.4				_
64							water	463.0	203.9	63.77	15.49	3.589	1.530	0.3488	0.06160	0.01517				
65	P11	2000	8	07	14		deck	2033	2038	2010	2011	2024	2028	2023	2033	2030	2041			T
99							water	1395	474.5	252.8	55.28	18.48	10.92	5.508	2.485	0.4654	0.08532			Ţ
29	P11	2000	8	07	15		deck	1675	1673	1680	1677	6891	1691	1693	1696	1694	1684			ī
89							water	1100	465.9	235.4	45.36	19.51	4.873	1.645	0.8532	0.1517	0.04644			T
69	P11	2000	8	07	16		deck	448.2	542.3	651.8	719.2	875.6	945.6	994.9	1051	997.4				1
70							water	262.5	175.0	95.16	27.47	10.37	4.132	1.515	0.1630	0.03791				1
7.1	P11	2000	8	07	[ 17		deck	901.9	8.606	913.6	917.2	911.2	881.8	863.7	871.0	873.7				Ţ
72							water	731.7	295.2	138.5	25.04	8.491	3.775	1.724	0.3801	0.09288				I
73	P11	2000	8	10	18		deck	374.2	356.7	378.6	375.8	357.2	375.1	369.9	352.0	358.3		_		Ī
74							water	113.4	90.49	33.76	8.194	2.603	1.126	0.4654	0.1393	0.07374				-
75	PH	2000	8	07	61		deck	20.06	19.19	18.58	18.26	17.44	16.89	16.35	15.61	15.20				
9/							water	10.15	3.286	1.437	0.2711	0.1081	0.03791	0.04644	0.01517	0.05402				<del></del>
77	P11	2000	8	80	90		deck	18.15	18.92	19.59	20.39	21.42	22.26	22.80	23.95	24.91	25.96			
78							water	7.162	4.784	1.880	0.8464	0.2948	0.1393	0.0853	0.04644	0.06919	0.01517			_

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Unit: umol/m2/s

lotai rage 30	age on																		
ž	Point No	SAI	MPL	ING	SAMPLING TIME		Depth	0m	0.5m	lm l	2m	3m	4m	5m	6m	7m	8m	m6	10m
	}	Y	M	D	н	Min Pos	Position												
79	P11	2000	8	80	07		deck	342.5	347.9	346.8	348.8	362.7	348.4	355.6	356.0	357.9	368.6		
80							water	261.9	107.9	57.34	17.25	6.726	2.385	1.126	0.4752	0.2172	0.06160		
81	P11	2000	8	80	80		deck	860.3	860.2	862.9	851.1	868.3	870.6	878.8	887.9	904.3	933.4		
82							water	474.6	219.2	71.14	27.58	9.338	3.898	1.842	0.5279	0.1156	0.04644		
83	P11	2000	8	80	6		deck	1327	1342	1324	1322	1324	1318	1319	1336	1342			
84							water	868.3	378.8	228.9	78.91	28.06	13.48	6.789	0.9791	0.7611			
88	P11	2000	8	80	10		deck	1597	1644	1594	1637	1639	1633	1627	1651	1644			:
98							water	58.05	49.31	48.03	31.52	15.29	7.129	3.131	0.2635	0.06160			
87	P12	2000	8	7	10		deck	1513	1562	1568	1570	1577	1576	1578	1576	1568	1574	1572	1577
88							water	914.0	0.609	393.0	121.5	52.15	23.42	6.049	1.550	0.8800	0.3133	0.0521	0
68	P12	2000	8	7	11		deck	1118	1149	1184	1256	1339	1407	1410	1393	1568	1567	1569	1552
90							water	797.9	430.1	238.3	61.83	47.85	13.42	7.543	3.783	1.928	0.8660	0.2133	0.1083
91	P12	2000	∞	07	12		deck	2012	2013	2018	2007	2005	1997	2008	1994	1992	1997	1989	1986
92							water	1107	773.2	291.3	134.3	71.68	31.70	10.38	3.230	1.224	0.5014	0.1607	0
93	P12	2000	8	07	13		deck	2075	2068	2067	2064	2067	2062	2063	2064	2062	2060	2060	2058
94				_			water	730.7	680.2	334.1	127.0	54.69	77.72	13.47	5.395	2.671	1.232	0.1912	0.01492
95	P12	2000	8	07	14		deck	1884	1914	1922	1922	1925	1928	1931	1631	1927	1919	1912	1917
96							water	1021	787.4	431.2	173.4	88.23	33.76	13.78	6.275	3.168	1.714	0.8952	0.428
97	P12	2000	∞	07	15		deck	1693	1704	1691	1700	1695	1684	1693	8691	1699	1698	1699	1699
86							water	1234	665.8	306.1	132.8	59.78	29.98	13.96	8.636	5.398	3.368	1.508	0.4513
66	P12	2000	∞	07	16		deck	1180	1253	1260	1244	1247	1253	1305	1299	1296	1297	1295	1292
<u>8</u>							water	728.0	408.0	238.0	65.48	15.82	9.681	1.484	0.8330	0.6650	0.07590	0	0
101	p12	2000	∞	07	17		deck	936.2	934.0	935.0	934.7	933.0	928.0	931.8	928.0	925.0	918.0	910.0	910.5
102							water	766.2	362.4	167.3	50.28	11.63	7.284	3.069	1.043	0.6821	0.02401	0.05433	0
103	P12	2000	∞	6			deck	369.5	366.4	369.8	362.6	363.2	362.0	364.9	362.5	362.9	358.3	361.3	360.6
104						_	water	322.4	139.8	64.90	16.58	7.683	2.016	1.116	0.2671	0.05847	0.02433	0.00751	0

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Continuous point in neap tide

Total I	Total Page 36																υ	Unit: umol/m2/s	2/s
Ž	Point No	SA	MPI	CING	SAMPLING TIME	1E	Depth	ш0	0.5m	lm	2m	3m	4m	5m	m9	7m	8m	m6	10m
		Y	М	D	Н	Min	Min Position												
105	P12	2000	8	07	61		deck	10.78	9.598	9.205	9.435	9.215	9.022	8.570	6.961	7.896	8.237	7.728	7.791
106							water	5.271	2.079	2.270	1.246	0.3972	0.2432	0.1371	0.1147	0.2294	0.02238	0.02238	0.01492
107	P12	2000	∞	80	90		deck	15.99	16.31	16.30	16.89	17.23	17.56	17.83	18.51	18.87	19.22	19.54	20.02
108							water	6.092	5.695	0.8103	0.3351	0.2238	0.3973	0	0.1520	0	0	0	0
80	P12	2000	8	80	07		deck	421.8	428.4	427.8	429.7	427.8	426.9	425.5	426.0	425.4	328.2	340.1	336.8
011							water	298.6	137.0	18.79	5.718	2.506	1.146	0.718	0.4229	0.1371	0.08392	0.1063	0.01492
Ξ	P12	2000	∞	80	80		deck	9.008	804.6	808.8	809.4	811.2	812.1	811.5	813.0	811.6	812.8	813.9	815.4
112							water	9.896	142.9	78.74	42.66	25.67	18.95	14.86	3.028	1.735	0.6648	0.3357	0.02443
113	P12	2000	∞	80	8		deck	1213	1222	1219	1219	1219	1221	1219	1211	1208	1221	1224	1222
114							water	982	555.4	302.0	143.8	38.9£	19.91	6.409	4.780	2.852	1.956	1.04	0.7189
115	P12	2000	∞	80	10		deck	1635	1631	1637	1637	1636	1644	1635	1632	1629	1629	1633	1634
116							water	1030	788.1	330.7	106.7	34.31	12.33	5.124	1.927	1.248	0.5098	0.1304	0.0988
11	P19	2000	8	08	14		deck	1930	9661	1528	2363	2272	2342	2268	2361				
118							water	1320	836.5	616.0	234.7	102.8	45.16	22.48	1.165				
119	P19	2000	∞	08	15		deck	1736	1706	1734	1708	1712	1722	1708	1706				
120							water	993.4	654.6	288.4	1.77.1	49.36	19.31	8.250	8.554				
121	P19	2000	∞	08	16		deck	735.7	713.7	864.3	1037	1177	1273	1234	1359				·
122							water	409.2	253.1	251.6	6.92	41.52	21.37	4.716	0.04066				
123	P19	2000	∞	08	17		deck	918.8	1033	956.7	964.9	964.1	958.1	929.0	943.4				
124							water	563.8	360.9	235.8	113.3	28.04	12.91	4.163	0.1706				
125	P19	2000	8	08	18		deck	283.6	270.8	274.2	275.7	288.0	300.0	285.5	279.1				
126	_						water	128.8	116.6	38.48	15.5	6.755	3.216	0.5744	0.4815				
127	P19	2000	8	80	19		deck	10.93	10.22	10.18	9.882	9.325	9.078	8.729	8.361				
128		_					water	4.054	2.081	1.172	0.3336	0.217	0.1081	0.01517	0.04662	:			
129	P19	2000	8	60	90		deck	13.92	14.51	14.71	15.02	15.36	15.69	16.02	16.42	16.84			
130							water	5.980	2.104	1.117	0.504	0.2872	0.217	0.1242	0.03033	0.03033			

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in neap tide

Total Page 36

Unit: umol/m2/s

Total I	l otal Page 56																CHILL	iit. uiitOi/iiiz/3	5/3
N N	Point No	SA	MPL	ING	SAMPLING TIME	<u>ы</u>	Depth	0m	0.5m	μ	2m	3т	4m	5m	еш	7m	8m	m6	10m
	<u> </u>	<b>X</b>	M	α	Н	Min Pc	Position			•					••				
131	614	2000	80	60	07		deck	196.3	195.5	197.4	193.2	198.2	197.4	196.3	194.7	198.5			
132							water	105.9	37.63	17.79	8.678	5.679	3.509	1.335	0.5895	0.2796			
133	61d	2000	8	60	80		deck	740.8	736.8	771.8	744.4	741.1	744	772.2	780.7	758.2			
134							water	80.07	59.95	30.02	19.75	11.72	6.780	2.999	1.422	0.8928			
135	P19	2000	8	60	60		deck	1165	1199	1178	1164	1189	1213	1135	1211				
136							water	567.4	341.0	254.7	108.1	54.39	25.35	7.589	2.081				
137	P19	2000	8	60	10		deck	1557	1560	1586	1572	1576	1620	1590	1578				
138							water	88.78	371.9	309.5	144.7	58.56	15.65	2.229	0.326				
139	P19	2000	8	60	11		deck	1868	1885	1887	1866	1878	1853	1899	1858				
140							water	1302	733.9	381.7	248.6	112.9	39.93	17.88	1.087				
141	P19	2000	8	60	12		deck	2006	1999	2012	2011	2007	2006	2009	2005				
142							water	1128	510.3	320.8	237.9	106.5	19.18	4.638	1.434				
143	P19	2000	∞	60	13		deck	2001	2010	2017	2019	2031	2037	2039	2043				
144							water	1107	158.0	196.0	122.6	59.05	41.99	8.077	2.905				
145	P19	2000	œ	60	14		deck	1904	1903	1865	1877	1879	1872	1892	1888				
146							water	1389	584.1	286.6	100.8	38.06	10.97	2.392	0.7687				
147	P20	2000	∞	80	14		deck	1843	1835	1832	1832	1829	1831	1836	1835	1827	1836	1834	1834
148							water	78.32	44.95	31.99	35.53	17.28	11.70	8.231	4.659	2.807	1.874	1.017	0.5352
149	P20	2000	∞	80	15		deck	1636	1637	1642	1636	1635	1648	1632	1626	1629	1622	1622	1624
150							water	1134	684.5	405.8	195.1	128.2	68.99	44.88	28.09	20.49	12.46	7.682	4.834
151	P20	2000	∞	80	16		deck	1399	1385	1387	1392	1391	1395	1384	1373	1372	1377	1384	1382
152							water	1001	224.1	77.96	43.36	29.71	18.66	10.31	8.01	2.681	1.813	0.9334	0.4205
153	P20	2000	00	80	17	$\dashv$	deck	1048	1043	1039	1040	1048	1039	1047	1038	1043	1038	1031	1031
154							water	0.609	343.0	149.0	46.19	30.60	12.83	6.990	3.580	2.018	1.216	0.598	0.2828
155	P20	2000	8	80	18		deck	298.0	287.0	287.5	288.0	294.0	291.9	297.8	299.3	299.0	298.0	308.0	310.0
156			$\dashv$	$\neg$	$\dashv$	$\dashv$	water	240.0	90.46	24.60	9.530	4.450	2.739	1.871	0.9143	0.4406	0.2247	0.06062	0

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Total Page 36

Unit: umol/m2/s

		-	l																ı
	Point No	Š	AM	PLIN	SAMPLING TIME	ME	Depth	0	0.5m	E.	2m	3т	4m	5m	щ9	7m	8m	m6	10m
	1	<b>&gt;</b>	Σ	D	H	Min	Position												
157	7 P20	2000	8	08	61		deck	21.40	20.87	20.33	19.89	19.59	19.15	18.68	18.29	17.75	17.44	17.04	16.99
158	22						water	10.04	6.47	2.279	0.7338	0.4355	0.221	0.155	0.06500	0.02390	0.05130	0	0.0145
159	P20	2000	8	60	90		deck	7.450	7.760	7.920	8.070	8.230	8.423	8.613	8.760	8.902	9.202	9.550	9.260
160	)						water	2.870	1.820	0.870	0.440	0.2600	0.167	0.1222	0.08300	0.05300	0.05600	0.01570	0.007800
191	P20	2000	8	60	0.7		deck	62.70	62.74	57.92	52.93	52.32	47.58	48.10	47.40	40.21	46.05	44.88	44.10
162							water	39.04	43.23	37.03	12.40	3.860	1.702	1.445	0.8342	0.5619	0.3357	0.2443	0.1371
163	3 P20	2000	8	60	80		deck	0.197	811.2	812.1	803.2	810.6	816.6	814.8	794.4	810.2	827.4	831.2	603.6
164	+						water	751.4	401.9	222.2	92.19	34.42	17.67	11.38	7.731	8.037	4.557	3.471	2.309
165	5 P20	2000	8 (	60	60		deck	1107	1117	1113	9601	1106	1132	1127	1131	1139	1146	1144	1145
991 I	5						water	624.6	576.3	167.8	61.78	31.16	21.19	14.24	8.127	3.227	2.103	1.016	0.8411
167	7 P20	2000	8 (	60	01		deck	1173	1453	1523	1574	1551	1541	1554	1560	1551	1557	1555	1543
891 5 5	3						water	981.4	619.5	895.8	419.9	295.9	176.0	151.1	101.2	56.43	41.28	36.3	39.44
691	9 P20	2000		60	11		deck	1790	1785	1787	1791	1794	1793	1791	1792	1785	1780	1795	1795
170	) [			_			water	1606	674.3	316.5	124.8	117.1	33.04	21.98	13.66	8.871	3.482	1.203	0.1943
171	1 P20	2000	) 8	60	12		deck	1926	1930	1937	1936	1935	1938	1937	1939	1939	1940	1942	1940
172	7						water	1106	684.3	354.2	111.1	35.32	22.98	13.83	10.66	6.715	4.133	1.767	0.8263
173	3 P20	2000	8 (	60	13		deck	1916	0161	6681	9681	1061	0061	1896	1892	1890	1892	1881	1887
174	4						water	1028	60.87	70.61	53.92	35.04	24.89	15.44	10.26	7.835	4.337	1.478	0.4506
175	5 P20	2000	8 (	60	14		deck	1825	1813	1813	1817	1821	1826	1827	1828	1825	1819	1816	1814
176	2						water	151.5	111.3	48.45	31.08	21.06	11.31	7.222	6.450	4.889	4.129	3.871	2.349

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Remark Unit: umol/m2/s B-1m 0.01492 | 0.002381 | 0.007458 | 0.007458 0.007458 0.000100 1362.5 0.6042 0.1604 0.1529 158.0 0.2135 464.0 278.0 709.0 1728 1723 1553 908.7 20m 1711 1048 0 0 90890.0 0.09100 0.003460 0.05315 0.02984 0.1296 0.08392 0.0315 905.4 1359 461.1 158.7 700.8 1713 1736 1714 1554 19m 275.3 1056 1450 0 0 0.003100 1394.6 0.1024 0.1317 0.1529 901.5 376.0 0.1445 159.6 0.0299 0.1371 274.0 0.969 1548 1054 1432 1717 1750 1732 18m 0 0 0 0 0.003100 0.002100 0.007458 1400.4 0.05315 0.1296 160.4 0.02984 0.04528 0.2825 11.73 270.5 0.1222 891.7 469.1 8.969 1750 1555 1724 1726 17m 1049 1439 0 0 0 0 0.09138 0.02238 0.1296 1367.2 0.008340 0.3898 1.116 0.03087 0.1445 891.8 473.7 160.3 11.54 269.5 692.0 1726 0.359 1542 1722 1437 1741 16m 1061 0 0 0 0.007458 0.04569 0.09138 0.1750 0.08321 0.08392 161.0 0.5427 9.688 472.7 11.37 267.9 680.0 1738 1.032 91/1 1369 15m 1054 1731 1551 0.0 1441 0 0 0 0 0.02984 0.007458 0.05150 1401.2 0.1063 0.05315 0.02256 0.5278 0.1371 469.8 161.2 11.20 265.9 681.0 1742 1.346 1558 892.7 1058 1444 1733 14m 1694 0 0 0 0 0.03823 1393.6 0.2294 0.06819 0.00743 0.2825 0.8485 161.4 0.0304 471.8 11.03 264.5 676.0 893.5 0.359 2.211 1566 1065 1685 13m 1457 1731 1731 0 0 0 0.2294 0.06806 161.9 0.3282 1402.1 0.02981 470.4 10.81 263.0 680.0 0.254 1723 3.381 1676 1.328 1567 897.1 12m 8901 1449 1724 0 0 0 0 0 0 0.1604 0.007458 1402.5 0.00212 0.00742 0.1829 470.9 162.2 3.816 904.4 10.57 261.9 0.1063 687.0 2.539 1723 1555 1074 1462 1724 11m 1671 0 0 0 0 Depth water water water water water water water deck water deck water deck water deck water deck water deck deck water deck deck deck deck deck deck Position Min SAMPLING TIME 8 12 14 15 16 17 8 9 13 I 90 80 Ξ 07 9 2 0 2 2 2 10 9 9 2 2 10 2 00 ∞ 00 00 00 ∞  $\infty$ ∞ œ ∞ 00 ∞  $\infty$ Σ 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 Point P01 P01 POl Š P0 POl P01 POI P01 P0. P01 P01 P01 P01 ŝ 25 <u>«</u> 5 20 9 13 7 2 9 17 7 22 23 7 9 2 = 9 00

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY

Continuous point in neap tide

2/s	Remark																					-						
Unit: umol/m2/s	B-1m																											
็ว	20m																											
	19m																											
	18m										!																	
	17m																											
	16т																											
	15m														_													
	14m																											
	13m									-																		
	12m																											
	11m																											
	Depth	Min Position	deck	water	deck	water	qeck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water	deck	water
	Æ	Min																										
	SAMPLING TIME	Н	18		19	'	10		=		12		13	_	<u>+</u>		15		9		17		18		19	_	8	_
	PLIN	q	01		2	:	07		07		07		07		07	_	07		0.7		07		0.7		07		80	_
	AMI	M	8 0		8 0		8 0		8		8 0		8 0		0 8	_	<b>%</b>		8		<b>8</b>	_	8 0		8 0	_	×	4
		Y	2000	_	2000		2000	_	2000		2000		2000	_	2000		2000		2000		2000		2000		2000		2000	
Total Page 36	Point No	<u>-</u>	P04		P04		P11		P11		PII		P11		P11		P11		P11		P11		P11		P11		P11	
Total F	Š		53	54	55	99	57	58	59	09	61	62	63	2	65	99	29	89	69	70	71	72	73	74	75	76	77	78
												]	₹ -	5	7													

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Continuous point in neap tide

Total Page 36	age 36																'n	Unit: umol/m2/s	12/s
No	Point No	SAI	MPL	ING	SAMPLING TIME	<u>н</u>	Depth	II m	12m	13m	14m	15m	l6m	17m	18m	19m	20m	B-1m	Remark
		Y	M	Q	н	Min	Min Position												
79	P11	2000	8	80	07		deck												
80							water												
81	P11	2000	8	80	80		deck											i	
82	:						water												
83	P11	2000	80	80	6		deck												
84							water												
85	P11	2000	8	80	10		deck												
86							water												
87	P12	2000	∞	7	10		deck	1577	1583	1587									
88							water	0	0	0									
89	P12	2000	8	7	11		deck	1600											
06							water	0.0762											
91	P12	2000	∞	07	12		deck	1988											
92							water	0.1147											
93	P12	2000	8	07	13		deck	2057											
94							water	0			-								
95	P12	2000	8	07	14		deck	1927	1933	1932									
96							water	0.1753	0.03823	0									
97	P12	2000	00	07	15		deck	1695	1697	1695									
86							water	0.4821	0.1296	0.03823									
66	P12	2000	8	07	91		deck	1287	1284										
100							water	0	0										
101	P12	2000	∞	07	17		deck	0.606											
102							water	0											
103	P12	2000	∞	07	18		deck	356.0	353.1										
104							water	0	0			. <u></u> -							
.	;	7																	

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in neap tide

Remark Unit: umol/m2/s B-lm 20m 19m 18m 17m 16m 821.8 0.1529 15m 1230 0 0.1296 0.001400 0.02328 820.2 1221 1649 14m 0.02328 819.5 0.1371 13m 1227 1631 0 0.09138 0.02984 7.449 817.2 0.4429 20.96 342.2 0.058 1228 12m 1628 90890.0 0.4662 7.592 20.54 335.9 816.3 1229 1636 0.064 Ilm 0 0 0 Depth water deck water deck deck deck deck deck deck water deck deck deck deck deck deck Min Position SAMPLING TIME Н 16 19 90 07 9 4 15 90 17 61 80 8 80 80 80 8 80 80 8 07 80 80 Q 80 80 80 00 **∞** œ **∞ ∞** 00 00 œ ∞ 00 00 œ ∞ Σ 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 Point P19 P19 P19 P19 P19 Š P12 P12 P12 P12 P12 P12 P19 P19 Total Page 36 119 124 125 129 105 601 112 113 114 115 116 117 118 120 122 123 126 128 130 2° 901 107 801 110 Ξ 121 127

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Continuous point in neap tide

Total Page 36	1gc 36											,	•				ū	Unit: umol/m2/s	12/s
No	Point No	SAI	MPL	ING	SAMPLING TIME	<u> </u>	Depth	11m	12т	13m	14m	15m	16m	17m	18m	19m	20m	B-1m	Remark
		Y	M	D	Н	Min	Position												
131	P19_	2000	8	60	07		deck												
132							water												
133	61d	2000	8	60	80		deck			-									
134							water												
135	61d	2000	8	60	60		deck												
136							water												
137	61d	2000	∞	60	10		deck												
138							water												
139	61d	2000	∞	60	11		deck												
140							water												
141	61d	2000	8	60	12		deck												
142							water												
143	P19	2000	8	60	13		deck												
144							water												
145	P19	2000	8	60	14		deck						-						
146							water												
147	P20	2000	∞ :	80	14		deck	1839	1846	1847	1853	1855	1851	1857					
148							water	0.3357	0.221	0.3441	0.1678	0.07646	0.02984	0.1529					
149	P20	2000	8	08	15		deck	1623	1617	1621	1615	1616	1615						1
150							water	3.274	1.927	1.445	0.4429	0.2433	0.2249						
151	P20	2000	8	80	91		deck	1377	1376	1370	1372	1376	1367						
152							water	0.2751	0.02238	0.1065	0.02984	0	0.06061						
153	P20	2000	8	08	17		deck	1035	1038	1037	1034	1035.8	1031	1036					
154							water	0.144	0.1147	0.0286	0	0.0086	0.091	0					
155	P20	2000	∞	80	81		deck	311.0	310.3	315.0	325.8	295.0	262.0	248.5					
156							water	0	0.2366	0	0	0	0.1554	0					
Drintor	Printer: Chen Lian Chang	Chang																	

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LIGHT QUANTUM DATA SHEET ON RAINY SEASON FOR SINO-JAPAN JOINT STUDY ON THE PEARL RIVER ESTUARY Continuous point in neap tide

rotal P	Total Page 36									•		4					5	Unit: umol/m2/s	2/s
No	Point No		SAMPLING TIME	LIN	G T	IME	Depth	11m	12m	13m	14m	15m	16m	17m	18m	19m	20ш	B-1m	Remark
	<u>,</u>	Y	M	D	н	1 Min	Position					•							-
157	P20	2000	8 0	08	-	19	deck	16.43	16.04	15.73	15.32	14.93	14.73	14.40					
158							water	0.00714	0	0	0	0	0	0					
159	P20	2000	8 0	60		90	deck	086.6	10.25	10.49	10.72	11.26	11.48	11.70	12.14				
160	_	$\Box$	_				water	0	0.007600	0	0	0	0	0.00745	0				
161	P20	2000	8 0	8	07	7	deck	43.09	43.02	42.66	42.98	43.60	42.70	42.56	42.28				
162				_			water	0.0372	0.0149	0.0741	0	0	0	0	0				
163	P20	2000	∞ Q	8	80		deck	626.6	722.2	822.4	733.0	8.009	9.595	548.4	730.2				
164						$\dashv$	water	2.638	2.707	1.857	1.368	0.9707	0.5119	0.4355	0.02984				
165	P20	2000	8	8	60	6	deck	1157	1169	1172	1171	1175	1160	8911	1173				
166			_		_	_	water	0.2368	0.2443	0	0.2676	0	0	0.2135	0.3133				
167	P20	2000	8	60	$\dashv$	01	deck	1543	1543	1533	1534	1536	1525	1530	1512				
168		_	-		_		water	35.64	30.44	27.96	20.80	17.01	11,34	10.73	10.12				
169	P20	2000	8	60	-		deck	1786	1785	1793	1785	1784	1783	1774	1777				
170			$\dashv$		_		water	0.2091	0	0	0	0	0	0	0				
171	P20	2000	8	60		12	deck	1943	1945	1945	1947	1942	1944	1946	1945	_			
172			-	_	_		water	0.1986	0.00781	0.2483	0.1389	0.05382	0	0.1245	0				
173	P20	2000	& 0	6)		13	deck	1883	1887	1890	1888	1887	1902	1897	1894				
174			-				water	0.1939	0.01498	0.01451	0.09156	0	0.1445	0	0				
175	P20	2000	<b>8</b>	6)	1 4	4	deck	1815	1819	1819	1819	1814	1814	1820	1818				
176		$ \bot $	_		4	$\dashv$	water	1.599	1.04	0.6956	0.566	0.3515	0.2592	0.2135	0.1986				

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