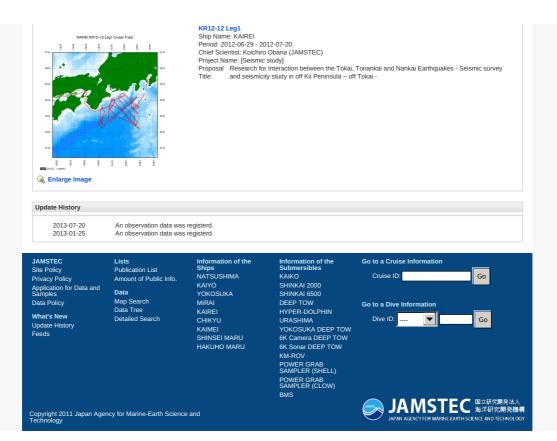
Data and Sample Research System

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DARV	VIIN for Whole Cruise Information in JAMSTEC	Sear
Notice Con	tact Us Application User Registration 🔍 Data 🛒 Basket Lists	
	12 Log1 Bathymotry (MRES)	
	L2 Leg1 Bathymetry (MBES)	Last Modified: 2013-0
ReadMe Observa Data		
Cruise ID: KR12-12	_eg1	
	: Processed (DMO)-Basic	
Data Policy: JAMST		
Observation Items:	Jepth	
Science Keywords:	> BATHYMETRY/SEAFLOOR	
OCEANS	TOPOGRAPHY > BATHYMETRY	
	> GEOMOROHOLOGY	
Cruise Report	meteo ao intertetendeteteten entetenantial//D12.12.1er/1.2. ell edf	
nup://www.gouac.ja	mstec.go.jp/catalog/data/doc_catalog/media/KR12-12_leg1-2_all.pdf	
🕕 For Using Da	Ita	
Principal Invest		
Data Managem	ent Office	
Use Constraints		
	I Conditions about constrain of use.	
Data Citation		
See Terms and	I Conditions about data citation.	
Instrument		
Instrument:		
Multi beam echo so	under (- KR13-09)	
A CONTRACT OF	and the second sec	
1 11		
Overview		
	d here are the bathymetric data obtained from the multibeam echo sounder system (MBES). The system tra	insmits the shape ocho sounder bear
	er and receives the beam reflected from the seabed using the hydrophone. The water depth is calculated fro	
	d the receiver. Having many transmitters make fan beams across the keel, this system can obtain a lot of ba	
once.	• • • • • • • • • • • • • • • • • • • •	
The travel time o	f the beam (from the transmitter to the seabed and from the seabed to the receiver) is corrected using the ve	ertical profile of the sound velocity
obtained from the	in situ observations. (see section Sound velocity profile correction). The raw data with the low reliability such	h as the noise are removed using the
software (see sec	tion Processed data).	
Measurement Syste		
Manufacturer:	SEABEAM INSTRUMENTS	
Type :	SEABEAM 2112.004	
Frequency :	12kHz	
Swath angle:	Max 150° 2 * 2°	
Beam angle: Beam number:	2 * 2* 151	
Beam number: Range:	151 50m - 11,000m	
-	Center beam [Depth (m) * 0.2%]. Side beam [Depth (m) *	
Resolution (Dept): 0.5%]	
Sound velocity prof	ile correction	
	a, the sound velocity profile correction is made using the XBT data acquired during the cruise. On the other I	hand, in the transit area, e.g., from the
survey area to the	e port, where we do not conduct the XBT observations, the data are corrected using the historical XBT data of	or the Argo float data.
Processed Data		
	ta with the low reliability are removed using the processing software "HIPS and SIPS" of CARIS Inc:	
· Navigation		
-	han manufacturer specification (see section Measurement System)	
	data (If both of slopes calculated from the evaluated beam and prior/post one on the same swath are less th	han 5 degrees.)
	(Beam No.1-21,131-151 : Starboard is No.1 beam.)	
The data quality	is different in the survey and transit area because of the difference of the temperature data for the sound vel	ocity profile correction. Therefore, we
open the survey a	and transit area data separately. The rule of the file name is as follows.	
File name :		
	a data : YYYYMMDD.dat	
	ı data : TYYYYMMDD.dat	
YYYY: year, MM:		
	indicates the transit area data.	
Note (1) Geodetic syst	em: WGS84	
 Geodetic syst The tide is not 		
	e compressed in zip format, please use that after unpacking.	

(3) These data are compressed in zip format, please use that after unpacking.(4) If you would like the raw data set, please contact us from "Contact Us" above.

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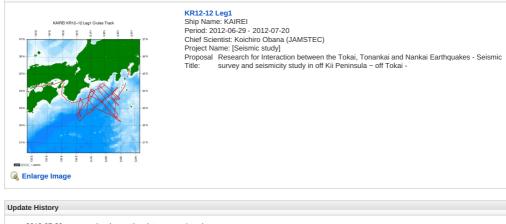
KAIREI KR12-12 Leg1 Bathymetry (MBES)

Contact Us

BoadM	Observe	ation Data Data Form	nat			Last Modified: 2013-07-20			
ReadMe Observation Data Data Format Cruise ID: KR12-12 Leg1									
-									
Bathymetry (MBES): Processed (DMO)-Basic									
Data Policy: JAMSTEC									
Bathymetry XYZ									
Balli	ymeu y A t	2							
The one record length of the Processed Data file is 33 bytes.									
		0	,		Demonto				
No.	Column	Description	Format	Unit	Remarks				
1	1 - 11	Longitude	f11.6	degree	+ : Eastern hemisphere				
					- : Western hemisphere				
2	13 - 22	Latitude	f10.6	degree	+ : Northern hemisphere				
					- : Southern hemisphere				
3	24 - 31	Depth	f9.3	m					
4	32 - 33	Terminator	a2		[CR][LF]				

Related Information

ONOTICE





An observation data was registerd. An observation data was registerd.

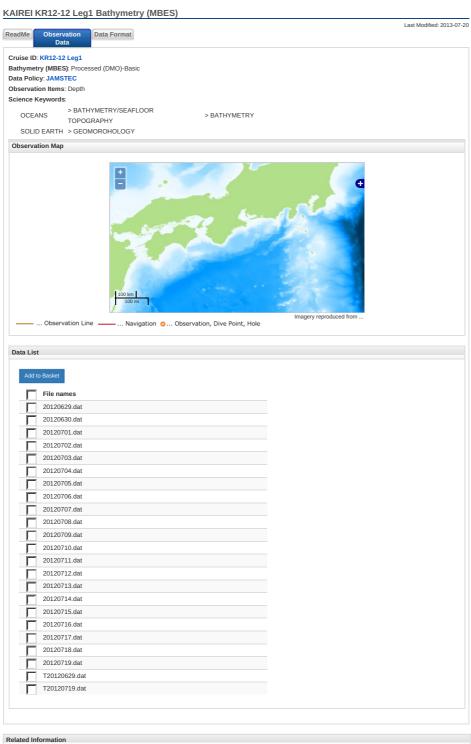
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Technology			JAPAN AGENCY FOR MARINE FARTH SCIENCE AND TECHNOLOGY

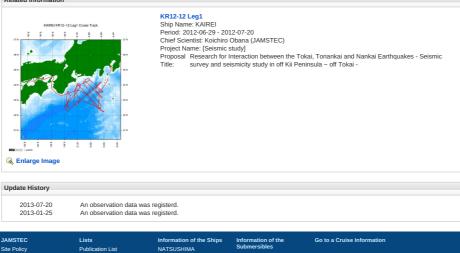
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Amount of Public

KAIYO

