MIRAI MR09-01 Leg2 Conductivity-Temperature-Depth Profiler (CTD)

Last Modified: 2017-04-11

ReadMe | Observation Data | Data Format

Cruise ID: MR09-01 Leg2

Conductivity-Temperature-Depth Profiler (CTD): Processed (PI)

Data Policy: JAMSTEC

Observation Items: Pressure, Temperature, Salinity, Dissolved oxygen

Science Keywords:

OCEANS > OCEAN CHEMISTRY > OXYGEN

OCEANS > OCEAN TEMPERATURE > WATER TEMPERATURE

Cruise Report

http://www.godac.jamstec.go.jp/catalog/data/doc_catalog/media/MR09-01_leg1-3_all.pdf

For Using Data

Principal Investigator

Hiroshi Uchida (JAMSTEC)

Use Constraints

See Terms and Conditions about constrain of use.

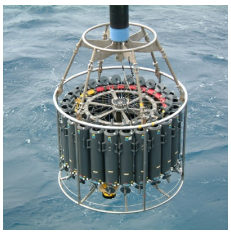
Data Citation

See Terms and Conditions about data citation.

Instrument

Instrument:

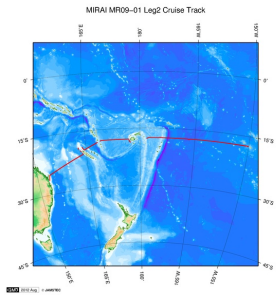
Water sampling system with CTD (30 litters * 24 bottles)



Overview

Please see the Data book for details of data.

Related Information



Enlarge Image

MR09-01 Leg2
Ship Name: MIRAI
Period: 2009-05-21 - 2009-06-19
Chief Scientist: Hiroshi Uchida (JAMSTEC)
Project Name: [POST-WOCE Hydrography,South Pacific Ocean Research Activity 2009]

Update History

2017-04-11	An observation data was registerd.
2014-08-05	An observation data was registerd.
2012-09-28	An observation data was registerd.

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Data Policy: JAMSTEC

CTD WOCE-type1

Format Description for the Processed (PI) Data

Provided in the Exchange Format of CCHDO (CLIVAR and Carbon Hydrographic Data Office). Please see the following link for details of Exchange Format.
CCHDO | CLIVAR & Carbon Hydrographic Data Office

Data in following cruise is not expressed with Exchange Format. Please see the site of each cruise for format.
MR02-K05 Leg1
MR04-05

Format Description for the QCed Data

Each data file contains one line header (meta data) followed by data lines for each cast.
The number of data lines are recorded in the header.

Header part

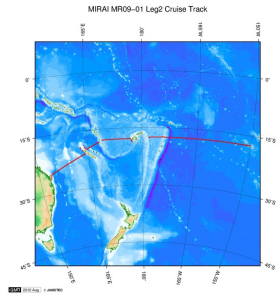
No.	Column	Content	Format	Remarks
1	1	Header ID	a1	fixed as '#'
2	3 - 6	Data ID	a4	CTD
3	8 - 22	Cruise ID	a15	MRYY-(K)XX(_legx)
4	24 - 31	Cast name	a8	
5	33 - 40	Date	i8	YYYYMMDD (UTC)
6	42 - 45	Time	i4	hhmm (UTC)
7	47 - 55	Latitude	i2,a1,f5.2,a1	dd-mm.mmN(S)
8	57 - 66	Longitude	i3,a1,f5.2,a1	ddd-mm.mmE(W)
9	68 - 71	Number of data lines	i4	
10	72 - 73	Terminator	-	CR+LF

Data part

No.	Column	Content	Unit	Format	Remarks
1	1 - 11	Pressure	dbar	f11.3	
2	12 - 22	Temperature	deg-C	f11.4	ITS-90
3	23 - 33	Salinity	PSU	f11.4	PSS-78
4	34 - 44	Dissolved oxygen	umol/kg	f11.3	
5	45 - 55	Flag	-	i11	1 - 7 : space 8 : flag of pressure 9 : flag of temperature 10 : flag of salinity 11 : flag of dissolved oxygen * reference : 'Definition of Quality Control Flags'
6	56 - 57	Terminator	-	-	CR+LF

Each contents of the data part is stored in 11 bytes.
Missing value is presented by '-5', and error value is presented by '-9'.

Related Information



Enlarge Image

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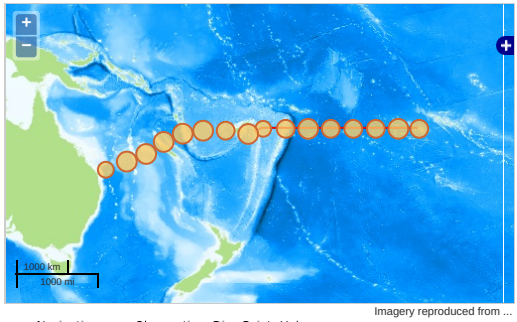
OCEANS	> OCEAN TEMPERATURE	> WATER TEMPERATURE

Observation Map

1. Clicking the icon displays a balloon with observation information.
2. Then click the observation name, figures will be displayed.

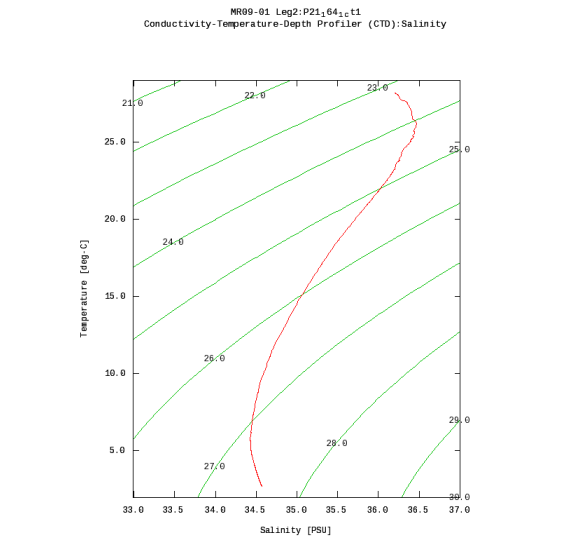


Imagery reproduced from ...

... Observation Line ... Navigation ... Observation, Dive Point, Hole

Figures

P21_164_1_ct1



Data List

Add to Basket

File names
P21_164_1_ct1.csv
P21_165_1_ct1.csv
P21_167_1_ct1.csv
P21_168_1_ct1.csv
P21_169_1_ct1.csv
P21_170_1_ct1.csv
P21_171_1_ct1.csv
P21_172_1_ct1.csv
P21_173_1_ct1.csv
P21_174_1_ct1.csv
P21_175_1_ct1.csv
P21_176_1_ct1.csv
P21_177_1_ct1.csv
P21_178_1_ct1.csv

File names

P21_179_1_ct1.csv
P21_180_1_ct1.csv
P21_181_1_ct1.csv
P21_182_1_ct1.csv
P21_183_1_ct1.csv
P21_184_1_ct1.csv
P21_185_1_ct1.csv
P21_186_1_ct1.csv
P21_187_1_ct1.csv
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File names
P21_268_1_ct1.csv
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P21_285_1_ct1.csv
P21_286_1_ct1.csv
P21_287_1_ct1.csv
P21_288_1_ct1.csv
P21_X16_1_ct1.csv

- Observation List
  The list of observation is shown as follows.

Observation	Time and Date	Lat. [°]	Lon. [°]
P21_164_1_ct1	2009-05-21 21:27	-17.5017	-149.9560
P21_165_1_ct1	2009-05-22 01:22	-17.4958	-150.0902
P21_167_1_ct1	2009-05-22 10:39	-17.4988	-151.0035
P21_168_1_ct1	2009-05-22 16:10	-17.5008	-151.6730
P21_169_1_ct1	2009-05-22 21:51	-17.5013	-152.3360
P21_170_1_ct1	2009-05-23 03:39	-17.5040	-152.9938
P21_171_1_ct1	2009-05-23 09:44	-17.5027	-153.6623
P21_172_1_ct1	2009-05-23 15:44	-17.5045	-154.3315
P21_173_1_ct1	2009-05-26 19:17	-17.4990	-154.9953
P21_174_1_ct1	2009-05-27 01:13	-17.4990	-155.6653
P21_175_1_ct1	2009-05-27 07:21	-17.5005	-156.3297
P21_176_1_ct1	2009-05-27 13:22	-17.5022	-157.0002
P21_177_1_ct1	2009-05-27 19:23	-17.4972	-157.6675
P21_178_1_ct1	2009-05-28 01:12	-17.4975	-158.3450
P21_179_1_ct1	2009-05-28 07:03	-17.4995	-159.0078
P21_180_1_ct1	2009-05-28 13:09	-17.4942	-159.6695
P21_181_1_ct1	2009-05-28 19:17	-17.4958	-160.3400
P21_182_1_ct1	2009-05-29 01:12	-17.4973	-161.0052
P21_183_1_ct1	2009-05-29 07:10	-17.5017	-161.6695
P21_184_1_ct1	2009-05-29 13:12	-17.4953	-162.3387
P21_185_1_ct1	2009-05-29 19:13	-17.4972	-163.0055
P21_186_1_ct1	2009-05-30 01:14	-17.4938	-163.6710
P21_187_1_ct1	2009-05-30 07:36	-17.4920	-164.3338
P21_188_1_ct1	2009-05-30 14:03	-17.4933	-165.0022
P21_189_1_ct1	2009-05-30 20:25	-17.4958	-165.6732
P21_190_1_ct1	2009-05-31 02:33	-17.4922	-166.3422
P21_191_1_ct1	2009-05-31 08:58	-17.4962	-167.0015
P21_192_1_ct1	2009-05-31 15:30	-17.4980	-167.6743
P21_193_1_ct1	2009-05-31 21:47	-17.5040	-168.3405
P21_194_1_ct1	2009-06-01 03:50	-17.5090	-169.0067
P21_195_1_ct1	2009-06-01 10:04	-17.5023	-169.6733
P21_196_1_ct1	2009-06-01 16:17	-17.4997	-170.3323
P21_197_1_ct1	2009-06-01 22:38	-17.4975	-170.9938
P21_198_1_ct1	2009-06-02 04:52	-17.4928	-171.6660
P21_199_1_ct1	2009-06-02 10:30	-17.4932	-171.9972
P21_200_1_ct1	2009-06-02 16:41	-17.4970	-172.3358
P21_201_1_ct1	2009-06-03 03:08	-17.4957	-172.6620
P21_203_1_ct1	2009-06-03 08:30	-17.4968	-172.8317
P21_204_1_ct1	2009-06-03 13:02	-17.4977	-172.9997
P21_205_1_ct1	2009-06-03 17:40	-17.4992	-173.6690
P21_206_1_ct1	2009-06-03 22:49	-17.4162	-174.3335
P21_207_1_ct1	2009-06-04 03:16	-17.4993	-175.0022
P21_208_1_ct1	2009-06-04 07:49	-17.4962	-175.6673
P21_209_1_ct1	2009-06-04 12:21	-17.4978	-176.3312
P21_210_1_ct1	2009-06-04 16:55	-17.4945	-177.0013
P21_211_1_ct1	2009-06-04 21:40	-17.4985	-177.6697
P21_212_1_ct1	2009-06-05 02:02	-17.7513	-178.2502
P21_213_1_ct1	2009-06-05 05:23	-17.8993	-178.5500
P21_214_1_ct1	2009-06-05 09:14	-18.1667	-179.1643
P21_215_1_ct1	2009-06-05 13:08	-18.4150	-179.6637
P21_216_1_ct1	2009-06-05 18:14	-18.4145	179.6685
P21_217_1_ct1	2009-06-05 23:04	-18.4150	179.0028
P21_218_1_ct1	2009-06-06 03:30	-18.4155	178.3327
P21_220_1_ct1	2009-06-06 07:01	-18.7490	178.0635
P21_221_1_ct1	2009-06-06 10:18	-18.7487	177.8328
P21_222_1_ct1	2009-06-06 14:28	-18.5780	177.2495
P21_223_1_ct1	2009-06-06 18:54	-18.0307	177.0010
P21_224_1_ct1	2009-06-06 22:20	-17.8325	176.9982

Observation	Time and Date	Lat. [°]	Lon. [°]
P21_225_1_ct1	2009-06-07 02:37	-17.8312	176.3335
P21_226_1_ct1	2009-06-07 07:25	-17.8297	175.6665
P21_227_1_ct1	2009-06-07 11:48	-17.8290	175.0000
P21_228_1_ct1	2009-06-07 16:25	-17.8315	174.3328
P21_229_1_ct1	2009-06-07 21:16	-17.8305	173.6652
P21_230_1_ct1	2009-06-08 02:00	-17.8340	172.9927
P21_231_1_ct1	2009-06-08 07:00	-17.8348	172.3303
P21_232_1_ct1	2009-06-08 11:49	-17.8327	171.6638
P21_233_1_ct1	2009-06-08 16:42	-17.8350	171.0008
P21_234_1_ct1	2009-06-08 21:36	-17.8313	170.3310
P21_235_1_ct1	2009-06-09 01:26	-17.8323	169.8303
P21_236_1_ct1	2009-06-09 05:22	-17.8313	169.3300
P21_237_1_ct1	2009-06-09 09:05	-17.9480	169.0803
P21_238_1_ct1	2009-06-09 11:55	-18.0470	168.8303
P21_239_1_ct1	2009-06-09 14:21	-18.1482	168.6010
P21_240_1_ct1	2009-06-09 17:06	-18.2493	168.3638
P21_241_1_ct1	2009-06-09 20:30	-18.2983	168.2093
P21_243_1_ct1	2009-06-10 00:02	-18.3690	168.0462
P21_244_1_ct1	2009-06-10 05:11	-18.4945	167.7922
P21_245_1_ct1	2009-06-10 10:26	-18.5693	167.5835
P21_246_1_ct1	2009-06-10 15:48	-18.6950	167.3173
P21_247_1_ct1	2009-06-10 21:23	-18.9120	166.7998
P21_248_1_ct1	2009-06-11 02:35	-19.1320	166.2988
P21_249_1_ct1	2009-06-11 07:37	-19.3818	165.6970
P21_250_1_ct1	2009-06-11 11:06	-19.4837	165.4848
P21_251_1_ct1	2009-06-11 14:25	-19.5797	165.2448
P21_252_1_ct1	2009-06-11 18:21	-19.7127	164.9290
P21_253_1_ct1	2009-06-11 22:40	-19.8293	164.6613
P21_254_1_ct1	2009-06-12 05:26	-19.9117	164.4655
P21_255_1_ct1	2009-06-12 02:18	-19.9463	164.3513
P21_260_1_ct1	2009-06-13 09:59	-20.9342	164.1830
P21_261_1_ct1	2009-06-13 13:44	-20.8930	164.2843
P21_262_1_ct1	2009-06-13 18:24	-21.1120	163.7217
P21_263_1_ct1	2009-06-13 23:12	-21.2975	163.2510
P21_264_1_ct1	2009-06-14 03:16	-21.4842	162.7642
P21_265_1_ct1	2009-06-14 06:06	-21.6005	162.5002
P21_266_1_ct1	2009-06-14 08:53	-21.7210	162.1875
P21_267_1_ct1	2009-06-14 13:11	-21.9662	161.5527
P21_268_1_ct1	2009-06-14 17:36	-22.2150	160.9197
P21_269_1_ct1	2009-06-14 22:01	-22.4665	160.2793
P21_270_1_ct1	2009-06-15 01:14	-22.5998	159.9482
P21_271_1_ct1	2009-06-15 04:12	-22.7168	159.6513
P21_272_1_ct1	2009-06-15 06:41	-22.8367	159.3492
P21_273_1_ct1	2009-06-15 09:09	-22.9562	159.0482
P21_274_1_ct1	2009-06-15 13:03	-23.1370	158.5818
P21_275_1_ct1	2009-06-15 17:07	-23.3170	158.1187
P21_276_1_ct1	2009-06-15 21:03	-23.5032	157.6497
P21_277_1_ct1	2009-06-16 00:41	-23.6797	157.1810
P21_278_1_ct1	2009-06-16 04:28	-23.8685	156.7187
P21_279_1_ct1	2009-06-16 08:20	-24.0428	156.2527
P21_280_1_ct1	2009-06-16 12:29	-24.2365	155.7938
P21_281_1_ct1	2009-06-16 16:57	-24.3502	155.4993
P21_282_1_ct1	2009-06-16 22:11	-24.5470	154.9583
P21_283_1_ct1	2009-06-17 03:22	-24.7655	154.3835
P21_285_1_ct1	2009-06-17 07:54	-24.8720	154.0527
P21_286_1_ct1	2009-06-17 15:25	-24.9495	153.8660
P21_287_1_ct1	2009-06-17 12:05	-24.9943	153.7423
P21_288_1_ct1	2009-06-17 18:48	-25.0338	153.6488
P21_X16_1_ct1	2009-05-22 05:52	-17.5100	-150.4827

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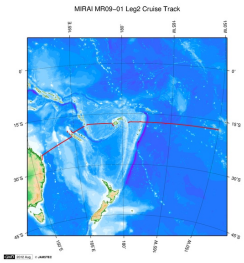

Enlarge Image

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