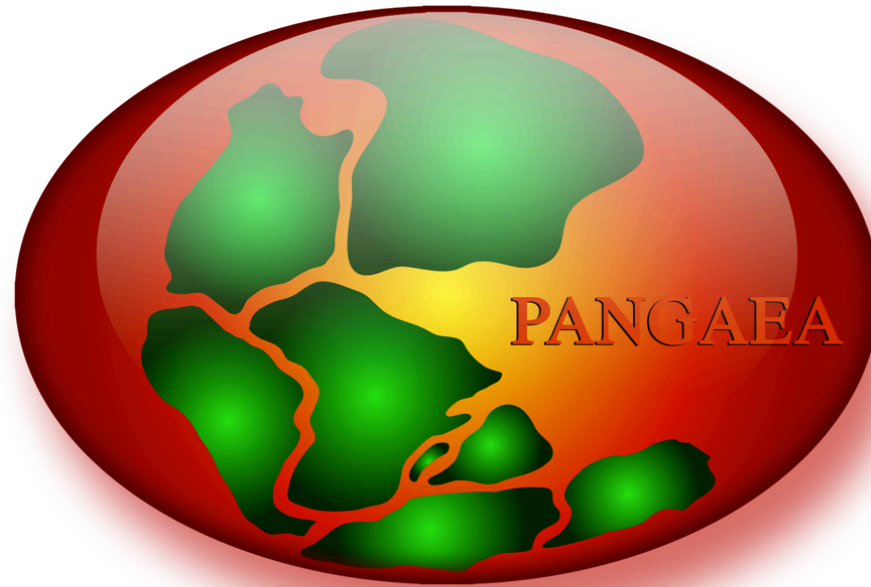


# An introduction to the Data Library PANGAEA® - Part II Submitting data



Stefanie Schumacher & Rainer Sieger

[hdl:10013/epic.44264](https://hdl.handle.net/10013/epic.44264)

**Meta-Daten**

Parameter  
Methode/Gerät  
Einheit

Autor  
Mitarbeiter/Institut  
Referenz

Projekt  
Kampagne  
Event

**Daten**

# Data model



**where?**



*Latitude/Longitude*

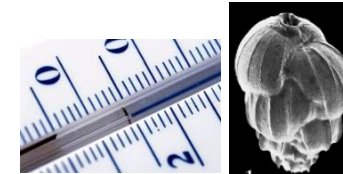
**when?**



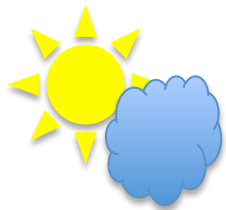
Epoch / Era	Series / Epoch	Stage / Age	GSSP	numerical age (Ma)
Quaternary	Holocene	Upper	▲	present
		Middle		0.126
	Pleistocene	Calabrian	▲	0.781
		Gelasian		1.806
		Piacenzian	▲	2.588
Pliocene	Zanclean	▲	3.600	
			---	

*Date/Time or geol. Age*

**what?**



*Parameter [unit]*



*Air*



*Ice*

*Water*

*Sediment*

**numerical**

16	B. dilatata [#]
	178
	17
	4

**text**

3	Lithology
	Aleuritic clay
	Aleuritic clay
	Nannofossil clays

**object**



**who?**



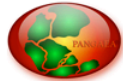
*Investigator/Reference*

**how?**



*Method*

# Data in PANGAEA



**PANGAEA®**  
Data Publisher for Earth & Environmental Science

Logged in as **sschumacher** ([log out](#), [profile](#))

Always quote citation when using data!

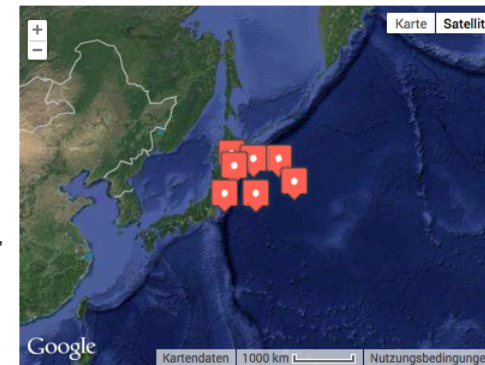
## Data Description

[Show Map](#) [Google Earth](#) [RIS](#) [BIBTeX](#)

**Citation:** Koizumi, I; Yamamoto, H (2010): Vertical distribution of diatoms in North Pacific sediments. doi:10.1594/PANGAEA.776366,

**Supplement to: Koizumi, Itaru; Yamamoto, Hirofumi (2010):** Paleooceanographic evolution of North Pacific surface water off Japan during the past 150,000 years. *Marine Micropaleontology*, **74(3-4)**, 108-118, doi:10.1016/j.marmicro.2010.01.003

**Abstract:** Hydrographic variability in the Mixed Water Region of the Northwest Pacific Ocean at latitudes 35°-40°N, between the Kuroshio Extension and Oyashio Front, causes complex upwelling, leading to large primary productivity and thus great fishery resources. We reconstructed the periodicity of the variability in North Pacific Intermediate Water upwelling and surface ocean hydrography based on the high-resolution analysis of diatom assemblages in seven cores, representing the last 150,000 years. We derived annual sea surface temperatures (SSTs) through a diatom-based proxy (Td'). The Td'-derived annual SSTs (°C) are controlled by orbital forcing, and show a reversed saw-tooth in southern cores, in contrast to a normal saw-tooth pattern in the northern cores. Oceanic diatom abundances along the northern margin of the Mixed Water Region are twice times as high as beneath the axis of the Kuroshio Extension, and fluctuated in a revised saw-tooth pattern with higher overall abundances interglacials. After the last deglaciation, annual SSTs declined markedly during Heinrich and Bond events in the northern North Atlantic, when ice-rafted detritus transported by icebergs was abundant. Wavelet analyses of the record of oceanic diatom abundances show significant variability at 2.0-kyr, 2 to 5.6-kyr and 3.2 to 9.6-kyr periods. Wavelet analyses of the annual SST records show significant periodicity at 1.4 to 2.6-kyr, 3.3 to 4.0-kyr, 7.2 to 12.8-kyr cycles.



**Project(s):** [Ocean Drilling Program \(ODP\)](#) [q](#)

**Coverage:** *Median Latitude:* 38.477916 \* *Median Longitude:* 146.055987 \* *South-bound Latitude:* 36.000000 \* *West-bound Longitude:* 141.780000 \* *North-bound Latitude:* 40.560000 \* *East-bound Longitude:* 152.000000

*Minimum Age:* 0.000 ka BP \* *Maximum Age:* 152.580 ka BP

**Event(s):** [186-1150A](#) [q](#) \* *Latitude:* 39.181910 \* *Longitude:* 143.331910 \* *Date/Time Start:* 1999-06-22T18:30:00 \* *Date/Time End:* 1999-06-26T22:15:00 \* *Elevation:* -2680.8 m \* *Recovery:* 566.40 m \* *Penetration:* 722.60 m \* *Location:* North Pacific Ocean [q](#) \* *Campaign:* [Leg186](#) [q](#) \* *Basis:* [Joides Resolution](#) [q](#) \* *Device:* [Drilling](#) [q](#) \* *Comment:* 76 cores; 722.6 m cored; 0 m drilled; 78.4 % recovery

[MD01-2421](#) (MD012421) [q](#) \* *Latitude:* 36.023500 \* *Longitude:* 141.780000 \* *Date/Time:* 2001-06-16T04:33:00 \* *Elevation:* -2286.0 m \* *Recovery:* 45.84 m \* *Location:* Japan Trench [q](#) \* *Campaign:* MD122 (IMAGES VII - WEPAMA) [q](#) \* *Basis:* [Marion Dufresne](#) [q](#) \* *Device:* [Giant piston corer](#) [q](#)

[MR00-05-2PC](#) [q](#) \* *Latitude:* 40.000000 \* *Longitude:* 146.000000 \* *Elevation:* -5177.0 m \* *Location:* Northwest Pacific [q](#) \* *Device:* [Piston corer](#) [q](#)

**License:** [Creative Commons Attribution 3.0 Unported](#)

**Size:** 7 datasets

## Download Data

Download [ZIP](#) file containing all datasets as tab-delimited text (use the following character encoding: [ISO-8859-1: ISO Western \(PANGAEA default\)](#))

## Datasets listed in this Collection

1. **Koizumi, I; Yamamoto, H (2010):** (Table A1) Diatom abundance in sediment core MD01-2421. doi:10.1594/PANGAEA.775547
2. **Koizumi, I; Yamamoto, H (2010):** (Table A2) Diatom abundance in sediment core MR02-03-2. doi:10.1594/PANGAEA.776118

# Useless data



	A	B	C	D	E	F
1	2.00	4302.00				
2	2.01	4428.00				
3	2.02	4255.00				
4	2.03	4352.00				
5	2.04	4139.00				
6	2.04	4137.00				
7	2.05	4219.00				
8	2.06	4165.00				
9	2.07	4127.00				
10	2.08	4015.00				
11	2.08	4004.00				
12	2.09	4002.00				
13	2.10	3889.00				
14	2.11	3830.00				
15	2.12	3848.00				
16	2.12	3845.00				
17	2.13	3806.00				
18	2.14	3687.00				
19	2.15	3623.00				
20	2.16	3618.00				
21	2.16	3619.00				
22	2.17	3632.00				
23	2.18	3622.00				
24	2.19	3696.00				
25	2.20	3527.00				
26	2.20	3566.00				
27	2.21	3464.00				
28	2.22	3383.00				
29	2.23	3417.00				
30	2.24	3478.00				
31	2.24	3424.00				
32	2.25	3350.00				
33	2.26	3366.00				
34	2.27	3362.00				
35	2.28	3302.00				

	A	B	C	D	E	F	G	H
1		Ganzi				Luochuan		
2	月	累年各月蒸发量 (小型)	累年各月降水量	MEP	累年各月蒸发量	累年各月降水量	MEP	
3	1	5.1	51	0	3	-55	0	
4	2	8.5	85	0	5	-18	0	
5	3	19.5	195	46.79507	17.6	45	0	
6	4	34.7	347	53.19875	26.3	122	26.70619	
7	5	79.2	792	0	41.7	176	33.56485	
8	6	133.4	1334	0	67.7	214	54.24255	
9	7	116.7	1167	0	112.1	231	104.9394	
10	8	94.1	941	0	117.5	217	121.8648	
11	9	109.5	1095	0	68	163	77.00714	
12	10	46	460	77.98102	35	100	52.70432	
13	11	8.6	86	0	13.6	28	0	
14	12	4.5	45	0	3.2	-35	0	
15								
16								
17								
18								
19								

# Submit Data



Data provided by author/  
principle investigator

During manuscript  
preparation or submission

data can be  
password protected  
until paper is  
published

