

PetDB Tutorial

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Getting Started

You can create a query in PetDB by specifying one or more parameters. With each additional parameter, PetDB will retrieve the number of samples that possess the attributes chosen. To begin a query, click on the Build Query button on the left-hand menu.



You can select samples using one or more query criteria. The more criteria you define, the more focused your sample selection will be.

Below is a description of each criterion you can define during sample selection and instructions on how to navigate the query interface. To learn how to download a dataset see the **SELECTING CHEMICAL DATA AND DOWNLOADING OPTIONS** chapter of in the Tutorial.

Querying by Location

To query by location, you may specify any combination of geospatial coordinates (latitude/longitude), geographic name of a feature, and tectonic setting. Constrain the dataset further using other query buttons or proceed to the Data Selection page.

Create a Query

| | | |
|------------------------------------|-------------------------|--------------------|
| <input type="button" value="SET"/> | Latitude/Longitude | no constraints set |
| <input type="button" value="SET"/> | Geographical Name | no constraints set |
| <input type="button" value="SET"/> | Tectonic Setting | no constraints set |
| <input type="button" value="SET"/> | Sample Characteristics | no constraints set |
| <input type="button" value="SET"/> | Cruise/Ship | no constraints set |
| <input type="button" value="SET"/> | Publication Information | no constraints set |
| <input type="button" value="SET"/> | Data Availability | no constraints set |
| <input type="button" value="SET"/> | Data Version | no constraints set |

Latitude/Longitude

Enter latitude and/or longitude of the geographical area you are interested in. Enter the Northern and Southern bounding latitudes (latitudes on the southern hemisphere need to be entered as negative values, e.g. 9.6°S = -9.6) and the Western and Eastern longitudes (Western longitudes need to be entered as negative values, e.g. 112°W = -112). You can also select samples collected at a minimum or maximum depth or a specific depth range. All depths below sea level have to be entered as negative values.

Geographical Name

To query samples by the name of an area or by type of geographic feature, set the geographical name parameter. Geographical names are used on various regional scales ranging from names of oceans to the names of seamounts, platforms, and fracture zones.

- To highlight multiple names PC users must hold the CTRL key while clicking on the mouse button. Mac users can also make multiple selections by holding the command key.
- Click on 'Add' or 'Add All' to make your selection, then click 'Apply' to set the query parameter.

Set Geographic Criteria

| | |
|----|--------------------|
| 1 | AREA_ON_RIDGE |
| 2 | BACK-ARC_BASIN |
| 3 | FRACTURE_ZONE |
| 4 | ISLAND_GROUP |
| 5 | OCEAN |
| 6 | OCEANIC_PLATEAU |
| 7 | OCEANIC_PLATFORM |
| 8 | OCEAN_BASIN |
| 9 | OCEAN_ISLAND |
| 10 | RIDGE_SECTION |
| 11 | SEA |
| 12 | SEAMOUNT |
| 13 | SEAMOUNT_CHAIN |
| 14 | SPREADING_CENTER |
| 15 | YOUR_LOCATION_TYPE |

| OCEAN | | selected |
|----------------|--|----------|
| 5:ANTARCTIC | | |
| 5:ARCTIC | | |
| 5:ATLANTIC | | |
| 5:INDIAN | | |
| 5:INDIAN OCEAN | | |
| 5:PACIFIC | | |
| 5:RED SEA | | |
| 5:SOUTHERN | | |

Buttons: Add All >>, Add >, < Remove, << Remove All

Hold CTRL key for multiple selections

Buttons: Apply, reset

Tectonic Setting

Use this criterion if to query samples from sea floor tectonic features such as 'Fracture Zones', 'Back-arc Basins', or 'Seamounts'.

Tectonic Setting

please select a tectonic setting from the list below. Use ctrl key to select multiple options.

| |
|---------------------------|
| OFF-AXIS_SPREADING_CENTER |
| OLD_OCEANIC_CRUST |
| RIFT_VALLEY |
| SEAMOUNT |
| SPREADING_CENTER |

Buttons: Apply

To select multiple tectonic settings, hold the ctrl key if you use a PC or the command key if you use a Mac, then click 'Apply'.

Sample Characteristics

The 'Sample Characteristics' parameter allows the user to define sample selection by:

- Rock type (e.g. 'basaltic', 'ultramafic', 'mafic plutonic')
- Degree of alteration*
- Sampling technique (e.g. 'dive', 'dredge').
-

Clicking on a rock type will display a list rock classes in the selection box. Please note that “rock class” is based on classification information provided in the source publications and is NOT an interpretation of data by PetDB.

*Note: Degree of alteration is not widely reported in the literature and therefore exists only for a small number of samples in PetDB. Selecting only 'fresh' samples will guarantee retrieval of data from fresh samples, but you may exclude data from fresh samples for which no alteration information was reported.

Constrain the dataset further using other query buttons or proceed to the Data Selection page.

Sample Characteristics
Hold CTRL key for multiple selections

Sampling Technique

No Preference
Box Core
Camera Tow
Drill Core
Dive (by person)
Dredge

Alteration

No Preference
ALMOST COMPLETELY ALTERED
EXTENSIVELY ALTERED
FRESH

Rock type

1 igneous:plutonic:felsic
2 igneous:plutonic:intermediate
3 igneous:plutonic:mafic
4 igneous:plutonic:ultramafic
5 igneous:volcanic:felsic
6 igneous:volcanic:intermediate
7 igneous:volcanic:mafic
8 igneous:volcanic:ultramafic
9 metamorphic
10 ore
11 xenolith:plutonic:intermediate
12 xenolith:plutonic:mafic
13 xenolith:plutonic:ultramafic

Rock Classification

igneous:volcanic:mafic

7:ALKALI BASALT
7:ANKARAMITE
7:BASALT
7:BASALTIC BRECCIA
7:BASALTIC RUBBLE
7:BSANITE
7:BSANITOID
7:FOIDITE
7:NEPHELINE-BASALT
7:PICRITE

Add All >>
Add >
< Remove
<< Remove All

selected

7:DOLERITE
7:DIABASE

Apply reset

Querying by Data Sources, Availability, and Data Version

Publication Information

You can view and download data from a specific author and publication* using the Publication Information query.

*Note: The data tables contain only values that are original to the reference publication and which have not been reported in other publications. Referenced values can be found in the original publications in which the data appeared.

- Enter author, year, keyword, or journal information to retrieve all original data related to a publication.
- To select multiple authors, hold the ctrl key if you use a PC or the command key if you use a Mac.
- Submitting your query will retrieve a reference list. Click on 'data tables' once you locate the publication of interest in the list of references to view data as it is organized in the publication.

Select any or all the references and click 'APPLY'. Constrain the dataset further using other query buttons or proceed to the Data Selection page.

Download | Download this list of References .

Select Reference list data

You can get chemistry and location data by clicking the "data tables" link for each reference. If you want to see chemical analyses from other publications on the same samples in a particular reference, set the reference as a criteria. The checkbox on the left is used to set the particular reference as a query criteria. Click the "set as criteria" button to finish reference query.

Select All | Clear All | Apply | Back

| | Author | Year | Title and Journal |
|---|--|------|---|
| <input type="checkbox"/> data tables | BRUNELLI, DANIELE; SEYLER, M; CIPRIANI, ANNA; OTTOLINI, L; BONATTI, ENRICO | 2006 | DISCONTINUOUS MELT EXTRACTION AND WEAK REFERTILIZATION OF MANTLE PERIDOTITES AT THE VEMA LITHOSPHERIC SECTION (MID-ATLANTIC RIDGE) Journal: JOURNAL OF PETROLOGY Volume: 47 |
| <input checked="" type="checkbox"/> data tables | CIPRIANI, ANNA; BRUECKNER, H.K.; BONATTI, ENRICO; BRUNELLI, DANIELE | 2004 | OCEANIC CRUST GENERATED BY ELUSIVE PARENTS: SR AND ND ISOTOPES IN BASALT-PERIDOTITE PAIRS FROM THE MID-ATLANTIC RIDGE Journal: GEOLOGY Volume: 32 |

To view a list of tables associated with a publication click on 'data tables'.

Reference Information

| | |
|-------------|---|
| Author: | CIPRIANI, ANNA; BRUECKNER, H.K.; BONATTI, ENRICO; BRUNELLI, DANIELE |
| Year: | 2004 |
| Title: | OCEANIC CRUST GENERATED BY ELUSIVE PARENTS: SR AND ND ISOTOPES IN BASALT-PERIDOTITE PAIRS FROM THE MID-ATLANTIC RIDGE |
| Journal: | GEOLOGY; Vol: 32; pg: 657 - 660 |
| Book Title: | |
| Editors: | |
| Publisher: | |

Data Table

| | | |
|-----------|--------------------|---|
| Table1 | 35 rows 5 items | DATA FOR CLINOPYROXENES FROM ABYSSAL PERIDOTITES AND BASALTIC GLASSES |
| locations | 32 rows | |

[close window](#)

Clicking on a specific table brings up a pop-up window containing data as they appear in the publication.

Download

Download this table.

Table 1 — DATA FOR CLINOPYROXENES FROM ABYSSAL PERIDOTITES AND BASALTIC GLASSES
35 batches returned for 5 items

| Sample | SampleID | Material | Sr87_Sr86 | Nd143_Nd144 | Nd | Sm | Sr |
|--------------|-----------------|----------|-----------|-------------|-------|-------|-------|
| VE19-1 | NADVE89-019-001 | Glass | 0.702589 | 0.513168 | | | |
| S2204-28 | ANS0022-004-028 | Glass | 0.702692 | 0.513091 | | | |
| S2206-59 | ANS0022-006-059 | Glass | 0.703011 | 0.513111 | | | |
| S2207-02 | ANS0022-007-002 | Glass | 0.702701 | 0.513102 | | | |
| RC2104-10-AD | CON2104-010-AD | Glass | 0.702982 | 0.513144 | | | |
| EW9305-21-BS | EW9305-021-BS | Glass | 0.702807 | 0.513103 | | | |
| RC2104-17-A | CON2104-017-A | Glass | 0.702732 | 0.51312 | | | |
| RC2104-1-B | CON2104-001-B | Glass | 0.702678 | 0.51311 | | | |
| RC2104-9-AD | CON2104-009-AD | Glass | 0.702484 | 0.513153 | | | |
| S2201-01 | ANS0022-001-001 | CPX | 0.7055 | 0.513418 | 1.18 | 0.825 | 1.09 |
| S1924-01 | ANS0019-024-001 | CPX | 0.703753 | 0.513345 | 0.658 | 0.57 | 1.33 |
| S1924-19 | ANS0019-024-019 | CPX | 0.702276 | 0.513476 | 0.432 | 0.497 | 0.498 |
| S1924-19 | ANS0019-024-019 | CPX | 0.703192 | 0.51347 | 0.325 | | 0.633 |
| S1923-45 | ANS0019-023-045 | CPX | 0.703633 | 0.513201 | 0.048 | 0.124 | 0.41 |
| S1923-46 | ANS0019-023-046 | CPX | 0.703466 | 0.5132 | 0.169 | 0.18 | 0.59 |
| S1923-46 | ANS0019-023-046 | CPX | | 0.51319 | | | |
| VE1-1 | NADVE89-001-001 | CPX | 0.705354 | 0.513316 | 0.253 | 0.328 | 0.422 |
| EW16-1 | EW9305-016-001 | CPX | 0.705115 | 0.513036 | 0.198 | 0.261 | 0.299 |
| EW9305-17-5 | EW9305-017-005 | CPX | 0.703671 | 0.513082 | 0.161 | 0.225 | 0.177 |
| S1904-33 | ANS0019-004-033 | CPX | 0.70421 | 0.513195 | 0.106 | 0.1 | 0.438 |
| S2221-02 | ANS0022-021-002 | CPX | 0.703363 | 0.513115 | 0.154 | 0.192 | 1.07 |
| S1904-42 | ANS0019-004-042 | CPX | 0.702269 | 0.513662 | 0.184 | 0.119 | 0.583 |
| S1904-76 | ANS0019-004-076 | CPX | | 0.513351 | 0.04 | 0.16 | 0.35 |
| S1904-77 | ANS0019-004-077 | CPX | 0.703629 | 0.513245 | | 0.12 | 0.66 |
| S1912-05 | ANS0019-012-005 | CPX | 0.703255 | 0.51319 | 0.173 | 0.308 | 0.108 |
| S1912-08 | ANS0019-012-008 | CPX | 0.702698 | 0.513286 | 0.274 | 0.383 | 0.277 |
| S1913-03 | ANS0019-013-003 | CPX | 0.703357 | 0.513271 | 0.432 | 0.432 | 0.491 |
| S1913-36 | ANS0019-013-036 | CPX | | 0.513208 | 0.939 | 0.659 | 1.82 |
| S2221-04 | ANS0022-021-004 | CPX | 0.703129 | 0.513104 | 0.153 | 0.197 | 1.03 |
| S2221-05 | ANS0022-021-005 | CPX | 0.703999 | 0.513158 | 0.06 | 0.16 | 0.322 |
| S1928-23 | ANS0019-028-023 | CPX | 0.70317 | 0.5132 | 0.155 | 0.262 | 0.103 |
| S1925-40 | ANS0019-025-040 | CPX | 0.703014 | 0.513198 | 2.02 | 0.931 | 8.4 |
| S1925-71 | ANS0019-025-071 | CPX | 0.703312 | 0.513198 | 0.177 | 0.302 | 0.688 |
| S1925-71 | ANS0019-025-071 | CPX | | 0.513181 | | | |
| S1925-75 | ANS0019-025-075 | CPX | 0.703499 | 0.512958 | 0.308 | 0.387 | 0.195 |

Back

close window

Data Availability

Use a query by data availability if you are looking for data from samples for which specific data types have been published. For example, you are interested in getting data only for samples for which major elements AND olivine analyses are available, select the appropriate boxes and click 'Apply' to proceed to the query interface where you can choose how to further constrain your dataset or continue to data selection.

Search for Samples for which the following types of data are available

chemical composition of samples

Rock Analyses: ☐ whole rock analyses ☐ glass analyses
☒ Major Oxides ☐ REE ☐ Trace ☐ Isotopic Ratio ☐ Volatile ☐ Noble Gas ☐ U-Series

Mineral Analyses: ☐ any mineral analyses
☐ Plagioclase ☒ Olivine ☐ Clinopyroxene ☐ Spinel ☐ Orthopyroxene ☐ Amphibole

Melt Inclusions in: ☐ any melt inclusion analyses
☐ Plagioclase ☐ Olivine ☐ Clinopyroxene ☐ Spinel

Constrain the dataset further using other query buttons or proceed to the Data Selection page.

Data Version

The query by data version allows you to get only those data that were added during a specific update of the database. This is helpful if for example you are working with a large spreadsheet generated through a PetDB query adjusted and edited to fit your needs. You do not have to re-generate the entire spreadsheet! Just append data that were added to PetDB after your last download.

Data Version

The pull-down menu below lists dates on which batches of new data were loaded into PetDB. Please select a date from the menu if you want to get only those data entered after that date. For example: If you select 2004-01-23, you will get all data entered on 1/23/2004 AND 8/26/2004. Select samples for which new data is available since:

Constrain the dataset further using other query buttons or proceed to the Data Selection page.

Data from a Specific Sample, Site, Hole, or Core

Search for a Specific Sample, Hole or Core

You can search for samples by the name reported in the publication ('ALIAS'), or by the PetDB unique sample identifier. PetDB sample IDs contain core, leg, and sample name embedded in an alphanumeric structure. Many sample aliases used in publications are non-unique (e.g. D5-1), so you will often get multiple results. You must check sample information (metadata) by clicking on the sample identifier to decide which sample is the one you're looking for.

PETDB
Petrological Database of the Ocean Floor

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Create a Query

| | | |
|------------|-------------------------|--------------------|
| SET | Latitude/Longitude | no constraints set |
| SET | Geographical Name | no constraints set |
| SET | Tectonic Setting | no constraints set |
| SET | Sample Characteristics | no constraints set |
| SET | Cruise/Ship | no constraints set |
| SET | Publication Information | no constraints set |
| SET | Data Availability | no constraints set |
| SET | Data Version | no constraints set |

Legend: **SET** Click to set criteria Click to clear criteria Click to view full criteria

RIDGE
Sponsored by Ridge Interdisciplinary Global Experiments

LAMONT-DOHERTY EARTH OBSERVATORY
THE EARTH INSTITUTE AT COLUMBIA UNIVERSITY
Presented by Lamont-Doherty Earth Observatory of Columbia University

CIESIN
Columbia University
Database hosted by Center for Supported by National Science Foundation
International Earth Science Information Network

Enter the name or name fragment of the sample and click on the search button.

Sample Name Query

Note: Samples can be searched either as names as they appear in specific papers, or as the PETDB sample ID. Fragments of names will return multiple samples, all of which contain the fragment. For example, if you use "D7" you will get more than one hundred returns, including names with "D71" etc.

Input Name or Name Fragment from Paper:

Input PETDB Sample ID or Fragment of Sample ID:

All samples containing '504B' in the alphanumeric Sample ID will appear in another window.

List of Samples
View the selected samples.

| Sample ID | Station ID | Rock Description | Data Existence | Alteration | Sampling | Latitude | Longitude | Elevation Min | Elevation Max |
|---|-------------------------------|---------------------------------------|----------------|---|------------|----------|-----------|---------------|---------------|
| DSDP069-0504B-004-002/3-0 | DSDP069-0504B | A ₁ igneous:volcanic:mafic | Rock | MODERATELY ALTERED(NATLAND, 1983); MODERATELY ALTERED(NATLAND, 1983); MODERATELY ALTERED(NATLAND, 1983) | Drill Core | 1.2272°N | 83.7302°W | -3460 | -3460 |
| DSDP070-0504B-066-002/106-109 | DSDP070-0504B | A ₁ igneous:volcanic:mafic | Mineral | (NATLAND, 1983); (NATLAND, 1983); (NATLAND, 1983) | Drill Core | 1.2272°N | 83.7302°W | -3460 | -3460 |
| DSDP070-0504B-051-001/78 | DSDP070-0504B | A ₁ igneous:volcanic:mafic | Rock | SLIGHTLY ALTERED(AUTIO, 1983); SLIGHTLY ALTERED(AUTIO, 1983); SLIGHTLY ALTERED(AUTIO, 1983) | Drill Core | 1.2272°N | 83.7302°W | -3460 | -3460 |
| DSDP069-0504B-028-003/16-18 | DSDP069-0504B | A ₁ igneous:volcanic:mafic | Rock | FRESH(MARSH, 1983); FRESH(MARSH, 1983); FRESH(MARSH, 1983) | Drill Core | 1.2272°N | 83.7302°W | -3460 | -3460 |
| DSDP070-0504B-044-001/133-135 | DSDP070-0504B | A ₁ igneous:volcanic:mafic | Rock | MODERATELY ALTERED(HUBBERTEN, 1983); MODERATELY ALTERED(HUBBERTEN, 1983); MODERATELY ALTERED(HUBBERTEN, 1983) | Drill Core | 1.2272°N | 83.7302°W | -3460 | -3460 |

View all data available for a specific sample by clicking on the Sample ID.

Sample info
Sample ID: [DSDP070-0504B-066-002/106-109](#)



Location:
Latitude: 1.2272°N
Longitude: 83.7302°W
Elevation: -3460
Tectonic setting: OLD_OCEANIC_CRUST
Location: PACIFIC_OCEAN
Location Comment:

Sampling Information
 Cruise: [DSDP-70](#) Chief Scientist: HONNOREZ
 (GLOMAR CHALLENGER, 1979) Technique: Drill Core
 Date: 1979-12-04 00:00:00.0 Station: [DSDP070-0504B](#)

Sample Description:
Rock type: A
Classification: BASALT
Description:
Alteration:
Age:
Archived at:

Mineral Data

| Reference | Alias | Method | Mineral | SiO2 | TiO2 | Al2O3 | FeOT | MnO | MgO | CaO | Na2O | AN | EN | FS | WO |
|--------------|---------------------|--------|---------|-------|------|-------|-------|-----|------|-------|------|------|------|------|------|
| NATLAND_1983 | 70504B 66 2,106-109 | EMP | PLAG | 51.51 | | 29.18 | 0.95 | | 0.24 | 13.9 | 3.4 | | | | |
| NATLAND_1983 | 70504B 66 2,106-109 | CALC | PLAG | | | | | | | | | 61.3 | | | |
| NATLAND_1983 | 70504B 66 2,106-109 | EMP | PLAG | 49.48 | | 30.65 | 0.55 | | 0.22 | 15.39 | 2.86 | | | | |
| NATLAND_1983 | 70504B 66 2,106-109 | CALC | PLAG | | | | | | | | | 74.9 | | | |
| NATLAND_1983 | 70504B 66 2,106-109 | EMP | CPX | 49.97 | 0.87 | 1.57 | 21.64 | 0.4 | 9.19 | 16.53 | | | | | |
| NATLAND_1983 | 70504B 66 2,106-109 | CALC | CPX | | | | | | | | | | 27.7 | 36.4 | 45.9 |

Cruise/Ship

This option allows you to get data for samples that have been collected on a specific cruise/expedition. Use a cruise name to select the samples collected on the cruise.

Use **Form 1** to query by expedition name. If you know the prefix corresponding to an expedition you may choose the first number or letter from the alphanumeric buttons at

the top of the form. For ALVIN, Deep Sea Drilling Project (DSDP), or Ocean Drilling Project (ODP), use the “special group” buttons.

Example:

To obtain information on Hole 670A of Leg 109 of ODP JOIDES Resolution cruise; click on the ODP special group and select Leg 109.

If you don't know the name of the cruise, you can also search by ship name and the cruise year using **Form 2**. You may also query by the name of the chief scientist or organizing institution*.

*Note: Publications do not specify chief scientist or organizing institution. As a result, many cruises in PetDB are listed without this information. Therefore, few records may be returned when you use these criteria.

Expedition/Cruise
Hold CTRL key for multiple selections
Use EITHER the top or bottom selection form, **not both**

Form 1: By Expedition Name

* Alphabetical list; ** Special groups

* 7 8 A B C D E F G H I J K L M N O P Q R
S T U V W X Y Z
** ALVIN DSDP ODP

| ODP | | selected |
|--------------|--|--------------|
| ODP::Leg_106 | Add All >> Add > < Remove << Remove All | ODP::Leg_109 |
| ODP::Leg_111 | | |
| ODP::Leg_113 | | |
| ODP::Leg_118 | | |
| ODP::Leg_123 | | |
| ODP::Leg_124 | | |
| ODP::Leg_129 | | |

continue

Form 2: By Other Expedition Details

Ship: JOIDES RESOLUTION

Year: No Preference
1936
1938
1947
1957

Chief Scientist: No Preference
ALLAN, JAMES F
ALT, J C
ANDREWS, J E
AUMENTO, F

Institution: No Preference

maximum results: 100

continue

Click ‘continue’ to choose the leg, cruise or expedition of interest.

Select Expedition/Cruise data

Click the expedition name to see the detailed info. The checkbox on the left is used to set the particular expedition as a query criteria.

Click the "set as criteria" button to finish expedition query.

| Select All | Clear All | Apply | | | | Back |
|---|-------------------|---------|--------------------------------|-------------|--|------|
| Name/Leg | Ship | Year | Chief scientist | Institution | | |
| <input type="checkbox"/> ODP-106 | JOIDES RESOLUTION | 1985 | DETRICK, R S; HONNOREZ, J | JOIDES | | |
| <input checked="" type="checkbox"/> ODP-109 | JOIDES RESOLUTION | 1986 | BRYAN, WILFRED B; JUTEAU, T | JOIDES | | |
| <input type="checkbox"/> ODP-111 | JOIDES RESOLUTION | 1986 | BECKER, K | JOIDES | | |
| <input type="checkbox"/> ODP-113 | JOIDES RESOLUTION | 1986 | BARKER, P F; KENNETT, J P | JOIDES | | |
| <input type="checkbox"/> ODP-118 | JOIDES RESOLUTION | 1987 | ROBINSON, P T; VON HERZEN, R P | JOIDES | | |
| <input type="checkbox"/> ODP-123 | JOIDES RESOLUTION | UNKNOWN | | JOIDES | | |
| <input type="checkbox"/> ODP-124 | JOIDES RESOLUTION | 1988 | RANGIN, C; SILVER, E A | JOIDES | | |
| <input type="checkbox"/> ODP-129 | JOIDES RESOLUTION | 1989 | LANCELOT, Y P; LARSON, R | JOIDES | | |
| <input type="checkbox"/> ODP-135 | JOIDES RESOLUTION | 1990 | HAWKINS, J W; PARSON, L M | JOIDES | | |
| <input type="checkbox"/> ODP-137 | JOIDES RESOLUTION | 1991 | BECKER, K | JOIDES | | |
| <input type="checkbox"/> ODP-139 | JOIDES RESOLUTION | 1991 | DAVIS, E E; MOTTL, M | JOIDES | | |
| <input type="checkbox"/> ODP-140 | JOIDES RESOLUTION | 1991 | DICK, H J B; ERZINGER, J | JOIDES | | |
| <input type="checkbox"/> ODP-141 | JOIDES RESOLUTION | 1991 | BEHRMANN, J H; LEWIS, S D | JOIDES | | |
| <input type="checkbox"/> ODP-142 | JOIDES RESOLUTION | 1992 | BATIZA, RODEY | JOIDES | | |
| <input type="checkbox"/> ODP-143 | JOIDES RESOLUTION | 1992 | | JOIDES | | |
| <input type="checkbox"/> ODP-144 | JOIDES RESOLUTION | 1992 | | JOIDES | | |
| <input type="checkbox"/> ODP-147 | JOIDES RESOLUTION | 1993 | GILLIS, K M; MEVEL, C | JOIDES | | |
| <input type="checkbox"/> ODP-148 | JOIDES RESOLUTION | 1993 | ALT, J C; KINOSHITA, H | JOIDES | | |
| <input type="checkbox"/> ODP-152 | JOIDES RESOLUTION | 1993 | LARSEN, H C; SAUNDERS, A D | JOIDES | | |
| <input type="checkbox"/> ODP-153 | JOIDES RESOLUTION | 1993 | | JOIDES | | |
| <input type="checkbox"/> ODP-158 | JOIDES RESOLUTION | 1994 | HERZIG, P M; HUMPHRIS, S E | JOIDES | | |
| <input type="checkbox"/> ODP-163 | JOIDES RESOLUTION | 1995 | DUNCAN, R A; LARSEN, H C | JOIDES | | |

Select expedition legs, in this case, ODP-109 to get more sample and station information or to download the list of expeditions, stations, and references.

Expedition Information

Download Download Complete list of Expeditions.

| | |
|-------------------|-------------------|
| Expedition: | ODP-109 |
| Ship: | JOIDES RESOLUTION |
| Year: | 1986 |
| Chief Scientists: | BRYAN-WILFRED B |
| Institution: | JOIDES |

Archive JOIDES

Stations

Get Station Info

Samples

Get Sample Info

References

Get Reference Info

close window

To continue to data selection, close the Expedition Information window. Click 'Apply' in the 'Select Expedition/Cruise data' window to set your query.

Constrain the dataset further using other query buttons or proceed to the Data Selection page.

Accessing Metadata

Sample metadata can be accessed several different ways after setting a query. Click on 'View Reference', 'View Expedition' or 'View/Pick Samples' to access lists of the relevant information.

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The criteria so far selected give **26** results. Use the "clear" button to remove particular criteria without affecting the remaining settings, or use the "Build New Query" button on the left menu to clear all criteria and begin a new query.

Are you looking for
a **specific sample**? [Click here...](#)
a **specific reference**? [Click here...](#)

Refine your query

[Save Query](#) [Continue to Data Selection](#)

| | | |
|--|-------------------------|--------------------|
| <input type="button" value="SET"/> | Latitude/Longitude | no constraints set |
| <input type="button" value="SET"/> | Geographical Name | no constraints set |
| <input type="button" value="SET"/> | Tectonic Setting | no constraints set |
| <input type="button" value="SET"/> | Sample Characteristics | no constraints set |
| <input type="button" value="SET"/> <input checked="" type="button" value="X"/> | Cruise/Ship | ODP-140 |
| <input type="button" value="SET"/> | Publication Information | no constraints set |
| <input type="button" value="SET"/> | Data Availability | no constraints set |
| <input type="button" value="SET"/> | Data Version | no constraints set |

[View References](#) [View Expeditions](#) [View/Pick Samples](#)

Legend: Click to set criteria Click to clear criteria Click to view full criteria

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Database hosted by Center for International Earth Science Information Network

Supported by National Science Foundation

You can access reference information by clicking on the ‘View References’ button. The reference list provides access to tables with data organized as they appear in the publication.

[Download](#) Download this list of References.

View Reference list data
 You can get chemistry and location data by clicking the "data tables" link for each reference.

| | Author | Year | Title and Journal |
|--|---|------|---|
| data tables | ALT, J C; TEAGLE, D A H; BACH, W; HALLIDAY, A N; ERZINGER, J | 1996 | STABLE AND STRONTIUM ISOTOPIC PROFILES THROUGH HYDROTHERMALLY ALTERED UPPER OCEANIC CRUST, HOLE 504B Journal: PROC ODP, SCI RESULTS Volume: 148 |
| data tables | JOHNSON, K T M; FISK, M R; NASLUND, H R | 1994 | GEOCHEMICAL CHARACTERISTICS OF REFRACTORY SILICATE MELT INCLUSIONS FROM LEG 140 BASALTS Journal: PROC ODP, SCI RESULTS Volume: 140 |

[close window](#)

The ‘View Expeditions’ button provides information on the expeditions relevant to your query. Clicking on the name of the expedition or leg of a cruise provides information on the year of the expedition, name of the ship, and chief scientist (when available).

View Expedition/Cruise data

| Name/Leg | Ship | Year | Chief scientist | Institution |
|-------------------------|----------------------|------|--------------------------|-------------|
| ODP-140 | JOIDES RESOLUTION | 1991 | DICK, H J B; ERZINGER, J | JOIDES |

[close window](#)

Expedition Information

[Download](#) Download Complete list of Expeditions.

| | |
|-------------------|-------------------|
| Expedition: | ODP-140 |
| Ship: | JOIDES RESOLUTION |
| Year | 1991 |
| Chief Scientists: | DICK-H J B |
| Institution: | JOIDES |

Archive JOIDES

Stations
[Get Station Info](#)

Samples
[Get Sample Info](#)

References
[Get Reference Info](#)

[close window](#)

Clicking on the 'View Stations' button provides information on the locations of sampling stations, the sampling method, geospatial coordinates, depth, and tectonic setting at which the samples were taken.

| View Station data | | | | | | | |
|-------------------------------|-----------------|-----------|------------|-------------------|-------------------|------------|------------------------------|
| Station ID | Sampling Method | Latitude | Longitude | Elevation Minimum | Elevation Maximum | Expedition | Tectonic |
| ODP0140-0504B | Drill Core | 1.22685°N | 83.7303°W | -3460 | -3460 | ODP | OLD_OCEANIC_CRUST |
| ODP0140-0504B | Drill Core | 1.22695°N | 83.73045°W | | -3474 | ODP | OLD_OCEANIC_CRUST |
| ODP0140-0504B | Drill Core | 1.22735°N | 84.73176°W | | -3474 | ODP | OLD_OCEANIC_CRUST |
| | | | | | | | close window |

Clicking on the individual Station ID provides access to more metadata. Additional comments are available on the sampling location, what are the individual samples obtained at the location, type of sample, degree of alteration of the sample, and source reference for the metadata.

Station Information

Download

Download Complete list of Stations.

| | |
|-----------------------|---------------|
| Station ID: | ODP0140-0504B |
| Expedition: | ODP-140 |
| Sampling Technique: | Drill Core |
| Location description: | PACIFIC:OCEAN |

Sampling sites

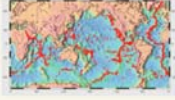
| site order | latitude | Longitude | elevation min | elevation max | land/sea | tectonic | comment |
|------------|-----------|------------|---------------|---------------|------------|-------------------|--|
| on | 1.22685°N | 83.7303°W | -3460 | -3460 | Subaquatic | OLD_OCEANIC_CRUST | 201 KM SOUTH OF THE COSTA RICA RIFT, ON 5.9 MA OLD CRUST |
| on | 1.22695°N | 83.73045°W | -3474 | | Subaquatic | OLD_OCEANIC_CRUST | |
| on | 1.22735°N | 84.73176°W | -3474 | | Subaquatic | OLD_OCEANIC_CRUST | |

Samples

| sample | rock description | alteration | data |
|--|---------------------------|---|-----------|
| ODP0140-0504B-191R-001/34-40 | A, igneous:volcanic:mafic | (JOHNSON, 1994) | Inclusion |
| ODP0140-0504B-200R-001/16-24 | A, igneous:volcanic:mafic | (JOHNSON, 1994) | Inclusion |
| ODP0140-0504B-205R-001/95-102 | A, igneous:volcanic:mafic | (JOHNSON, 1994) | Inclusion |
| ODP0140-0504B-226R-001/134-140 | A, igneous:volcanic:mafic | (JOHNSON, 1994) | Inclusion |
| ODP0140-0504B-192R-001/13-15E | A, igneous:volcanic:mafic | TOTALLY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-192R-001/13-15A | A, igneous:volcanic:mafic | TOTALLY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-193R-001/22-24 | A, igneous:volcanic:mafic | EXTENSIVELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-194R-001/36-40 | A, igneous:volcanic:mafic | MODERATELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-208R-001/110-116 | A, igneous:volcanic:mafic | MODERATELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-208R-001/88-91 | A, igneous:volcanic:mafic | MODERATELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-214R-001/73-76 | A, igneous:volcanic:mafic | (BACH, 2003); (PEUCKER-EHRENBRINK, 2003); ALMOST COMPLETELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-215R-001/59-63 | A, igneous:volcanic:mafic | MODERATELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-216R-001/70-75 | A, igneous:volcanic:mafic | TOTALLY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-217R-001/0-5 | A, igneous:volcanic:mafic | TOTALLY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-225R-002/68-72D | A, igneous:volcanic:mafic | MODERATELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-225R-002/68-72H | A, igneous:volcanic:mafic | EXTENSIVELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-236R-001/26-28 | A, igneous:volcanic:mafic | EXTENSIVELY ALTERED(ALT, 1996) | Rock |
| ODP0140-0504B-238R-001/8-9 | A, igneous:volcanic:mafic | MODERATELY ALTERED(ALT, 1996) | Rock |
| ODP0140-193R-001/30-32 | A, igneous:volcanic:mafic | FRESH(PEDERSEN, 2001) | Rock |

To obtain information on what data are available for a sample, click on the Sample ID. A new window with all the sample metadata will appear including rock type and geographic name of the location where the sample was obtained. Additionally, the sample information window provides a table with all chemical data available in PetDB for that particular sample.

Sample info
Sample ID: ODP0140-193R-001/30-32



Location:
Latitude: 1.22685°N
Longitude: 83.7303°W
Elevation: -3460
Tectonic setting: OLD_OCEANIC_CRUST
Location: PACIFIC_OCEAN
Location Comment:

Sampling Information
Cruise: ODP-140 Chief Scientist: DICK
(JOIDES RESOLUTION, 1991) Technique: Drill Core
Date: Station: ODP0140-0504B

Sample Description:
Rock type: A
Classification: BASALT
Description:
Alteration: FRESH
Age:
Archived at:

Rock Data

| Reference | Alias | Method | Material | SiO2 | TiO2 | Al2O3 | FeO | MnO | MgO | CaO | Na2O | K2O | P2O5 | Nd143_Nd144 | Sm147_Nd144 | E_Nd | Pb206_Pb204 | Pb207_Pb204 | Pb208_Pb204 | Nd | Sm | Cr | Ni | Sr | Y | Zr |
|----------------|--------------|--------|------------|-------|------|-------|------|------|------|------|------|------|------|-------------|-------------|------|-------------|-------------|-------------|------|-----|-------|-------|------|------|------|
| PEDERSEN, 2001 | 193R-1,30-32 | XRF | Whole rock | 50.45 | 0.43 | 15.61 | 8.06 | 0.15 | 9.12 | 12.5 | 2.06 | 0.02 | 0.02 | | | | | | | | | 402.0 | 113.0 | 51.0 | 13.0 | 18.0 |
| PEDERSEN, 2001 | 193R-1,30-32 | MS-ID | Whole rock | | | | | | | | | | | | | | | | | 2.45 | 1.1 | | | | | |
| PEDERSEN, 2001 | 193R-1,30-32 | MS | Whole rock | | | | | | | | | | | 0.513132 | 0.273 | | 18.434 | 15.532 | 38.171 | | | | | | | |
| PEDERSEN, 2001 | 193R-1,30-32 | CALC | Whole rock | | | | | | | | | | | | | 9.63 | | | | | | | | | | |

To obtain information about a method used to obtain the analytical data, click on the method to access a table with standards, normalization and laboratory information (when available in the original publication).

Data Quality Information

Method:

| | |
|-----------------|---|
| Code: | MS(3452) |
| Name: | MASS SPECTROMETRY |
| Location: | UNIVERSITY OF BERGEN |
| Provided by: | PEDERSEN, 2001 |
| Comment: | |
| Items measured: | Nd143_Nd144, Sm147_Nd144, Pb206_Pb204, Pb207_Pb204, Pb208_Pb204 |

Precision:

| Item | Precision type | Minimum | Maximum |
|------|----------------|---------|---------|
| | | | |

Standard sample measurement:

| Item | sample name | value | stdev | stdev type | Unit |
|-------------|------------------------------|---------|---------|------------|------|
| Nd143_Nd144 | JOHNSON AND MATTHEY S819093A | .511115 | .000013 | | |
| Nd143_Nd144 | BCR-1 | .512652 | .000015 | | |
| Pb206_Pb204 | NBS 981 | 16.902 | .005 | | |
| Pb207_Pb204 | NBS 981 | 15.443 | .006 | | |
| Pb208_Pb204 | NBS 981 | 36.549 | .021 | | |

Measured values have been normalized to:

| Item | Standard | value |
|-------------|----------|---------|
| Pb206_Pb204 | NBS 981 | 16.9322 |
| Pb207_Pb204 | NBS 981 | 15.4855 |
| Pb208_Pb204 | NBS 981 | 36.6856 |

close window

Selecting Chemical Data and Downloading Options

There are many ways in which you can view and download data and metadata. You may:

- View the references and proceed to download tables as they appear in the publication
- View Expeditions to access metadata related to the queried dataset
- View/Pick Samples to further refine the dataset by sample name, then click 'Apply'
- Or, simply continue to Data Selection.

Select Material and Chemical Analyses

The Data Selection window allows you to choose the materials for which you want to download data. Clicking on the radio buttons dynamically changes the chemistry tables to display only the chemical items available for that particular material.

In the example below, the 'Mineral Analyses' button retrieves from the database major oxide, isotope, trace element and REE. A list of minerals analyzed is displayed in the menu below the materials radio buttons.

To constrain analyses to a particular mineral, select from the list and click 'Update Chemical Items' to update the table of available chemical items.

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Your criteria for selecting samples are:
Publication Name: CIPRIANI, ANNA: 2004
Search Result: 32 samples

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

You are currently in the **Mineral Analysis** page. Select from these radio buttons to switch to other analyses.

- ☐ 9 rock analyses
[Available data: 9 glass, 0 whole rock analyses]
- ☒ 111 mineral analyses
[Available data: 0 glass inclusion, 0 mineral inclusion]
- ☐ 0 melt inclusion analyses
[Available data: 0 glass inclusion, 0 mineral inclusion]
- ☐ 1 rock mode analyses

To select data for these **Mineral Analysis** samples: pick Mineral Analysis type, then use check boxes below

Click on the chemical item to set constraint regarding

- chemical composition of samples.
- analytical method

Select Mineral Type

All Available
CPX
OPX
SP

Update Chemical Items

Submit
submit and view results

Clear Criteria
clear chemical criteria

Summary of constraints on chemical items

| Major_Oxides | Isotopic_Ratio | Noble_Gas | REE | U_Series | Volatile | TE | IS | AGE | EM |
|---|---|-----------|---|----------|----------|---|----|-----|----|
| <input checked="" type="checkbox"/> Select/Deselect All | <input checked="" type="checkbox"/> Select/Deselect All | | <input checked="" type="checkbox"/> Select/Deselect All | | | <input checked="" type="checkbox"/> Select/Deselect All | | | |
| <input checked="" type="checkbox"/> SiO2 | <input checked="" type="checkbox"/> Sr87_Sr86 | | <input checked="" type="checkbox"/> La | | | <input checked="" type="checkbox"/> Ba | | | |
| <input checked="" type="checkbox"/> TiO2 | <input checked="" type="checkbox"/> Nd143_Nd144 | | <input checked="" type="checkbox"/> Ce | | | <input checked="" type="checkbox"/> Cr | | | |
| <input checked="" type="checkbox"/> Al2O3 | | | <input checked="" type="checkbox"/> Nd | | | <input checked="" type="checkbox"/> Cs | | | |
| <input checked="" type="checkbox"/> Cr2O3 | | | <input checked="" type="checkbox"/> Sm | | | <input checked="" type="checkbox"/> Sc | | | |
| <input checked="" type="checkbox"/> FeO | | | <input checked="" type="checkbox"/> Eu | | | <input checked="" type="checkbox"/> Sr | | | |
| <input checked="" type="checkbox"/> NiO | | | <input checked="" type="checkbox"/> Gd | | | <input checked="" type="checkbox"/> Ti | | | |
| <input checked="" type="checkbox"/> MnO | | | <input checked="" type="checkbox"/> Dy | | | <input checked="" type="checkbox"/> V | | | |
| <input checked="" type="checkbox"/> MgO | | | <input checked="" type="checkbox"/> Er | | | <input checked="" type="checkbox"/> Y | | | |
| <input checked="" type="checkbox"/> CaO | | | <input checked="" type="checkbox"/> Yb | | | <input checked="" type="checkbox"/> Zr | | | |
| <input checked="" type="checkbox"/> Na2O | | | | | | | | | |

Clicking on the 'Rock Analyses' button will retrieve from the database those chemical items for which whole rock, glass, or unspecified bulk rock analyses are available in your query. The radio buttons above the chemistry table allow the user to choose only the material of interest.

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Your criteria for selecting samples are:
Publication Name: SPADEA, P: 1991

Search Result: [49 samples](#)

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

You are currently in the **Rock Analysis** page. Select from these radio buttons to switch to other analyses.

- ☒ 100 rock analyses
(Available data: 0 glass, 100 whole rock analyses)
- ☐ 163 mineral analyses
- ☐ 0 melt inclusion analyses
(Available data: 0 glass inclusion, 0 mineral inclusion)
- ☐ 0 rock mode analyses

To select data for these **Rock Analysis** samples: use check boxes below

Click on the chemical item to set constraint regarding

- chemical composition of samples.
- analytical method and then select

- ☐ individual analyses
- ☐ pre-compiled
(Click [here](#) for more information about these terms.)
- ☐ Samples with one or more selected elements
- ☐ Samples with all selected elements

Submit
submit and view results

Clear Criteria
clear chemical criteria

Summary of constraints on chemical items

By default, whole rock and glass analyses are selected. Use the radio buttons below to switch to only rock or only glass

Rock Analyses ☐ whole rock and glass analyses ☒ whole rock analyses ☐ glass analyses

| Major_Oxides | Isotopic_Ratio | Noble_Gas | REE | U_Series | Volatile | TE | IS | AGE | EM |
|--|--|-----------|--|----------|----------|--|----|-----|----|
| <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | | <input type="checkbox"/> Select/Deselect All | | | <input type="checkbox"/> Select/Deselect All | | | |
| <input type="checkbox"/> SiO2 | <input type="checkbox"/> Sr87_Sr86 | | <input type="checkbox"/> La | | | <input type="checkbox"/> Ba | | | |
| <input type="checkbox"/> TiO2 | <input type="checkbox"/> Nd143_Nd144 | | <input type="checkbox"/> Ce | | | <input type="checkbox"/> Be | | | |
| <input type="checkbox"/> Al2O3 | | | <input type="checkbox"/> Pr | | | <input type="checkbox"/> Cr | | | |
| <input type="checkbox"/> Fe2O3T | | | <input type="checkbox"/> Nd | | | <input type="checkbox"/> Cs | | | |
| <input type="checkbox"/> MnO | | | <input type="checkbox"/> Sm | | | <input type="checkbox"/> Hf | | | |
| <input type="checkbox"/> MgO | | | <input type="checkbox"/> Eu | | | <input type="checkbox"/> Li | | | |
| <input type="checkbox"/> CaO | | | <input type="checkbox"/> Gd | | | <input type="checkbox"/> Nb | | | |
| <input type="checkbox"/> Na2O | | | <input type="checkbox"/> Tb | | | <input type="checkbox"/> Ni | | | |

You can constrain chemical concentration by clicking on a chemical item and method.

Chemical Element: MgO

chemical composition of samples

Concentration: greater than or equal to 9 and less than or equal to

analytical method
please select from the list below

Select All Select all methods Clear All Select none

☒ XRF

Apply

Chemical constraints set will appear in the Chemical Criteria window on the right. When you are ready to download your results click Submit.

Downloading Datasets

You may download data as individual analyses or in **pre-compiled** format. Pre-compiled datasets arrange all data for a sample based on your query selections by Sample ID in a single line, even when the data is sourced from multiple publications. If there is more than one value for a particular chemical item, the pre-compiled algorithm selects the most recent analysis and most precise method available. To obtain more metadata on the chemical value selected by the precompiled algorithm click on the value listed.

Some users prefer to examine the data and collate analyses of interest by their own criteria. To download individual analyses listed by sample select the **individual analyses** radio button.

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Your criteria for selecting samples are:
Publication Name: SPADEA, P: 1991

Search Result: [49 samples](#)

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

You are currently in the Rock Analysis page. Select from these radio buttons to switch to other analyses.

☒ 100 rock analyses
(Available data: 0 glass, 100 whole rock analyses)

☐ 163 mineral analyses

☐ 0 melt inclusion analyses
(Available data: 0 glass inclusion, 0 mineral inclusion)

To select data for these Rock Analysis samples:
Click on the chemical item to set constraint regarding:
- chemical composition of samples,
- analytical method
and then select

☒ individual analyses
(Click [here](#) for more information about these terms.)

☐ pre-compiled

☐ Samples with one or more selected elements

☐ Samples with all selected elements

1. Select whether you want your data to be displayed as **individual analyses** for a sample or as a **pre-compiled** dataset.

2. Clicking 'Submit' will display your dataset

Submit
submit and view results

Clear Criteria
clear chemical criteria

MgO >= 9 XRF

Summary of constraints on chemical items

By default, whole rock and glass analyses are selected; use the radio buttons below to switch to only rock or only glass

Rock Analyses ☒ whole rock and glass analyses ☐ whole rock analyses ☐ glass analyses

| Major_Oxides | Isotopic_Ratio | Noble_Gas | REE | U_Series | Volatile | TE | IS | AGE | EM |
|--|--|-----------|--|----------|----------|--|----|-----|----|
| <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | | <input type="checkbox"/> Select/Deselect All | | | <input type="checkbox"/> Select/Deselect All | | | |
| <input type="checkbox"/> SiO2 | <input type="checkbox"/> Sr87_Sr86 | | <input type="checkbox"/> La | | | <input type="checkbox"/> Ba | | | |
| <input type="checkbox"/> TiO2 | <input type="checkbox"/> Nd143_Nd144 | | <input type="checkbox"/> Ce | | | <input type="checkbox"/> Ba | | | |
| <input type="checkbox"/> Al2O3 | | | <input type="checkbox"/> Pr | | | <input type="checkbox"/> Cr | | | |
| <input type="checkbox"/> Fe2O3T | | | <input type="checkbox"/> Nd | | | <input type="checkbox"/> Ca | | | |
| <input type="checkbox"/> MnO | | | <input type="checkbox"/> Sm | | | <input type="checkbox"/> Hf | | | |
| <input checked="" type="checkbox"/> MgO | | | <input type="checkbox"/> Eu | | | <input type="checkbox"/> Li | | | |
| <input type="checkbox"/> CaO | | | <input type="checkbox"/> Gd | | | <input type="checkbox"/> Nb | | | |
| <input type="checkbox"/> Na2O | | | <input type="checkbox"/> Tb | | | <input type="checkbox"/> Ni | | | |

The data you queried will appear in an html table for inspection. Metadata can be accessed by clicking on any of the highlighted parameters on the table. To download an Excel file with your data click on the Download button.

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[Download](#)

DOWNLOAD DATA (EXCEL FORMAT)

Please note that this will download the entire table, not just the rows shown on the current page.

[Get Expedition Info](#)
[Get Reference Info](#)
[Get Method Info](#)

Your criteria for selecting samples are:

Publication Name: SPADEA, P. 1991

Summary: 1 - 11 of 11 Rock Individual Analysis

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

| sample_id | reference | expedition | method | material | MgO | latitude | longitude | elevation | tectonic | rock type |
|--------------------------------|--------------|------------|--------|----------|-------|----------|------------|-------------------|-----------------|-----------------------------|
| OOP0124-0758C-073R-001/124-127 | SPADEA, 1991 | OOP-124 | XRF | WR | 14.08 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |
| OOP0124-0758C-074R-001/23-28 | SPADEA, 1991 | OOP-124 | XRF | WR | 13.21 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |
| OOP0124-0758C-077R-001/65-68 | SPADEA, 1991 | OOP-124 | XRF | WR | 9.85 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |
| OOP0124-0758C-092R-003/89-93 | SPADEA, 1991 | OOP-124 | XRF | WR | 11.29 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |
| OOP0124-0758C-092R-001/61-66 | SPADEA, 1991 | OOP-124 | XRF | WR | 15.11 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | IPM, igneous:plutonic:mafic |
| OOP0124-0758C-093R-001/116-119 | SPADEA, 1991 | OOP-124 | XRF | WR | 18.9 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | IPM, igneous:plutonic:mafic |
| OOP0124-0758C-093R-003/76-81 | SPADEA, 1991 | OOP-124 | XRF | WR | 18.89 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | IPM, igneous:plutonic:mafic |
| OOP0124-0758C-094R-001/72-77 | SPADEA, 1991 | OOP-124 | XRF | WR | 15.23 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | IPM, igneous:plutonic:mafic |
| OOP0124-0758C-095R-001/20-38 | SPADEA, 1991 | OOP-124 | XRF | WR | 11.85 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |
| OOP0124-0758C-099R-004/83-89 | SPADEA, 1991 | OOP-124 | XRF | WR | 9 | 8.0007°N | 121.2197°E | -4384.39990234375 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |
| OOP0124-0773A-011R-003/13-18 | SPADEA, 1991 | OOP-124 | XRF | WR | 9.2 | 8.6782°N | 120.6797°E | -2858.69995117188 | BACK-ARC, BASIN | A, igneous:volcanic:mafic |

Obtaining Chemical Data in a Specific Range of Concentrations

Begin your search by setting query parameters. In the example below, the database will be queried for samples from back-arc basins south of the equator.

| | | |
|------------|--|---------------------|
| SET | <input checked="" type="checkbox"/> Latitude/Longitude | NORTH: 0 SOUTH: -90 |
| SET | Geographical Name | no constraints set |
| SET | <input checked="" type="checkbox"/> Tectonic Setting | BACK-ARC_BASIN |
| SET | Sample Characteristics | no constraints set |
| SET | Cruise/Ship | no constraints set |
| SET | Publication Information | no constraints set |
| SET | Data Availability | no constraints set |
| SET | Data Version | no constraints set |

Click on Continue to Data Selection

[Continue to Data Selection](#)

The Data Selection screen will display all data available for samples meeting your chosen criteria. Select Rock Analyses by clicking on the radio button.

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Your criteria for selecting samples are:
Longitude/Latitude: NORTH: 0 SOUTH: -90 WEST: EAST: TOP: BOTTOM:
Tectonic Name: BACK-ARC_BASIN

Search Result: 1852 samples

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

You are currently in the **Rock Analysis** page. Select from these radio buttons to switch to other analyses.

- ☒ 6501 rock analyses
[Available data: 2336 glass, 4165 whole rock analyses]
- ☐ 3038 mineral analyses
- ☐ 79 melt inclusion analyses
[Available data: 58 glass inclusion, 21 mineral inclusion]
- ☐ 50 rock mode analyses

To select data for these **Rock Analysis** samples: use check boxes below

Click on the chemical item to set constraint regarding
- chemical composition of samples,
- analytical method
and then select

☐ Individual analyses
☒ pre-compiled
(Click [here](#) for more information about these terms.)

☒ Samples with one or more selected elements
☐ Samples with all selected elements

By default, whole rock and glass analyses are selected; use the radio buttons below to switch to only rock or only glass

Rock Analyses

☒ whole rock and glass analyses ☐ whole rock analyses ☐ glass analyses

| Major_Oxides | Isotopic_Ratio | Noble_Gas | REE | U_Series | Volatile | TE | IS | AGE | EM |
|--|---|--|--|---|--|--|--|--|--|
| <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All | <input type="checkbox"/> Select/Deselect All |
| <input type="checkbox"/> SiO2 | <input checked="" type="checkbox"/> Sr87_Sr86 | <input type="checkbox"/> He | <input type="checkbox"/> La | <input type="checkbox"/> U234_ACTIVITY | <input type="checkbox"/> CO2 | <input type="checkbox"/> Au | <input type="checkbox"/> DELTA_O18 | <input type="checkbox"/> Age | |
| <input checked="" type="checkbox"/> TiO2 | <input type="checkbox"/> Rb87_Sr86 | <input type="checkbox"/> He4 | <input type="checkbox"/> Ce | <input type="checkbox"/> U238_ACTIVITY | <input type="checkbox"/> F | <input type="checkbox"/> B | <input type="checkbox"/> DELTA_C13 | | |
| <input type="checkbox"/> Al2O3 | <input checked="" type="checkbox"/> Nd143_Nd144 | <input type="checkbox"/> He3_He4 | <input type="checkbox"/> Pr | <input type="checkbox"/> U234_U238_ACTIVITY | <input type="checkbox"/> Cl | <input type="checkbox"/> Ba | <input type="checkbox"/> DELTA_D | | |
| <input type="checkbox"/> Cr2O3 | <input type="checkbox"/> Sm147_Nd144 | <input type="checkbox"/> He4_He3 | <input type="checkbox"/> Nd | <input type="checkbox"/> U234_U238 | <input type="checkbox"/> N2 | <input type="checkbox"/> Be | <input type="checkbox"/> DELTA_N15 | | |
| <input type="checkbox"/> Fe2O3 | <input type="checkbox"/> E_Nd | <input type="checkbox"/> He3_He4(R/Ra) | <input type="checkbox"/> Sm | <input type="checkbox"/> U238_Th230 | | <input type="checkbox"/> C | <input type="checkbox"/> DELTA_B11 | | |
| <input type="checkbox"/> Fe2O3T | <input type="checkbox"/> Pb206_Pb204 | <input type="checkbox"/> He4_Ar40 | <input type="checkbox"/> Eu | <input type="checkbox"/> U238_Th232_ACTIVITY | | <input type="checkbox"/> Co | | | |
| <input type="checkbox"/> FeO | <input type="checkbox"/> Pb207_Pb204 | <input type="checkbox"/> Ar | <input type="checkbox"/> Gd | <input type="checkbox"/> U238_Th232 | | <input type="checkbox"/> Cr | | | |
| <input type="checkbox"/> FeOT | <input type="checkbox"/> Pb208_Pb204 | <input type="checkbox"/> Ar36 | <input type="checkbox"/> Tb | <input type="checkbox"/> Th230_ACTIVITY | | <input type="checkbox"/> Cs | | | |
| <input type="checkbox"/> MnO | <input type="checkbox"/> Be10 | <input type="checkbox"/> Ar40 | <input type="checkbox"/> Dy | <input type="checkbox"/> Th232_ACTIVITY | | <input type="checkbox"/> Cu | | | |
| <input type="checkbox"/> MgO | | <input type="checkbox"/> Ar40_RG | <input type="checkbox"/> Ho | <input type="checkbox"/> Th230_Th232 | | <input type="checkbox"/> Ga | | | |
| <input type="checkbox"/> CaO | | <input type="checkbox"/> Ar38_Ar36 | <input type="checkbox"/> Er | <input type="checkbox"/> Th230_Th232_ACTIVITY | | <input type="checkbox"/> Hf | | | |

You are currently in the **Rock Analysis** page. Select from these radio buttons to switch to other analyses.

- ☒ **6501 rock analyses**
[Available data: 2336 glass, 4165 whole rock analyses]
- ☐ 3038 mineral analyses
- ☐ 79 melt inclusion analyses
[Available data: 58 glass inclusion, 21 mineral inclusion]
- ☐ 50 rock mode analyses

To constrain chemical values, for example, TiO_2 click on the chemical item. A concentration and method constraint window will appear. Enter a range of concentrations and click 'Apply'.

Chemical Element: TiO_2
chemical composition of samples

Concentration: and

analytical method
please select from the list below

☒ AAS ☒ DCP ☒ EMP ☒ ICPAES ☐ NN ☐ WET ☒ XRF

A summary of constraints appears in a window to display the range of concentrations you selected.

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Your criteria for selecting samples are:
Longitude/Latitude: NORTH: 0 SOUTH: -90 WEST: EAST: TOP: BOTTOM:
Tectonic Name: BACK-ARC_BASIN

Search Result: 1852 samples

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

You are currently in the **Rock Analysis** page. Select from these radio buttons to switch to other analyses.

- ☒ **6501 rock analyses**
[Available data: 2336 glass, 4165 whole rock analyses]
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[Available data: 58 glass inclusion, 21 mineral inclusion]
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Click on the chemical item to set constraint regarding

- chemical composition of samples.
- analytical method
- and then select

☐ Individual analyses
☒ pre-compiled
(Click [here](#) for more information about these terms.)

☒ Samples with one or more selected elements
☐ Samples with all selected elements

By default, whole rock and glass analyses are selected; use the radio buttons below to switch to only rock or only glass

Rock Analyses

☒ whole rock and glass analyses ☐ whole rock analyses ☐ glass analyses

| Major_Oxides | Isotopic_Ratio | Noble_Gas | REE | U_Series | Volatile | TE | IS | AGE | EM |
|--|---|--|-----------------------------|---|------------------------------|-----------------------------|------------------------------------|------------------------------|----|
| <input type="checkbox"/> SiO2 | <input checked="" type="checkbox"/> Sr87_Sr86 | <input type="checkbox"/> He | <input type="checkbox"/> La | <input type="checkbox"/> U234_ACTIVITY | <input type="checkbox"/> CO2 | <input type="checkbox"/> Au | <input type="checkbox"/> DELTA_O18 | <input type="checkbox"/> Age | |
| <input checked="" type="checkbox"/> TiO2 | <input type="checkbox"/> Rb87_Sr86 | <input type="checkbox"/> He4 | <input type="checkbox"/> Ce | <input type="checkbox"/> U238_ACTIVITY | <input type="checkbox"/> E | <input type="checkbox"/> B | <input type="checkbox"/> DELTA_C13 | | |
| <input type="checkbox"/> Al2O3 | <input checked="" type="checkbox"/> Nd143_Nd144 | <input type="checkbox"/> He3_He4 | <input type="checkbox"/> Pr | <input type="checkbox"/> U234_U238_ACTIVITY | <input type="checkbox"/> Cl | <input type="checkbox"/> Ba | <input type="checkbox"/> DELTA_D | | |
| <input type="checkbox"/> Cr2O3 | <input type="checkbox"/> Sm147_Nd144 | <input type="checkbox"/> He4_He3 | <input type="checkbox"/> Nd | <input type="checkbox"/> U234_U238 | <input type="checkbox"/> N2 | <input type="checkbox"/> Be | <input type="checkbox"/> DELTA_N15 | | |
| <input type="checkbox"/> Fe2O3 | <input type="checkbox"/> E_Nd | <input type="checkbox"/> He3_He4(R/Ra) | <input type="checkbox"/> Sm | <input type="checkbox"/> U238_Th230 | | <input type="checkbox"/> C | <input type="checkbox"/> DELTA_B11 | | |
| <input type="checkbox"/> Fe2O3T | <input type="checkbox"/> Pb206_Pb204 | <input type="checkbox"/> He4_Ar40 | <input type="checkbox"/> Eu | <input type="checkbox"/> U238_Th232_ACTIVITY | | <input type="checkbox"/> Co | | | |
| <input type="checkbox"/> FeO | <input type="checkbox"/> Pb207_Pb204 | <input type="checkbox"/> Ar | <input type="checkbox"/> Gd | <input type="checkbox"/> U238_Th232 | | <input type="checkbox"/> Cr | | | |
| <input type="checkbox"/> FeOT | <input type="checkbox"/> Pb208_Pb204 | <input type="checkbox"/> Ar36 | <input type="checkbox"/> Tb | <input type="checkbox"/> Th230_ACTIVITY | | <input type="checkbox"/> Cs | | | |
| <input type="checkbox"/> MnO | <input type="checkbox"/> Be10 | <input type="checkbox"/> Ar40 | <input type="checkbox"/> Dy | <input type="checkbox"/> Th232_ACTIVITY | | <input type="checkbox"/> Cu | | | |
| <input type="checkbox"/> MgO | | <input type="checkbox"/> Ar40_RG | <input type="checkbox"/> Ho | <input type="checkbox"/> Th230_Th232 | | <input type="checkbox"/> Ga | | | |
| <input type="checkbox"/> CaO | | <input type="checkbox"/> Ar38_Ar36 | <input type="checkbox"/> Er | <input type="checkbox"/> Th230_Th232_ACTIVITY | | <input type="checkbox"/> Hf | | | |

Summary of constraints on chemical items

TiO2 >= 1.00 / AAS,DCP,EMP,ICPAES,XRF

Once you have selected chemical items and set constraints, click 'Submit' to obtain data. To download your dataset as an Excel spreadsheet click Download.

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Your criteria for selecting samples are:
Longitude/Latitude: NORTH: 0 SOUTH: -90 WEST: EAST: TOP: BOTTOM:
Tectonic Name: BACK-ARC_BASIN

Summary: 1 - 15 of 1457 Rock Pre-Compiled Analysis

Use this "back" link or the left menu button to return to the previous page; DO NOT use your browser's "back" button

| sample_id | reference | expedition | method | material | TiO2 | Sr87_Sr86 | Nd143_Nd144 | latitude | longitude | elevation | tectonic | rock type |
|-----------------|--------------------------------|------------|--------|----------|------|-----------|-------------|-----------|------------|-----------|-------------------|-------------------------------|
| ATA8-9 | JENNER, 1987 | UNKNOWN | MS | WR | | .79332 | .513044 | 21°S | 175°W | | BACK-ARC_BASIN S, | igneous:volcanic:intermediate |
| AMK0023-2244 | SINTON, 2003 | PACMANUS-I | EMP | GL | 1 | | | 3.708°S | 151.695°E | -1926 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| AMK0023-2261 | SINTON, 2003 | PACMANUS-I | EMP | GL | 1.53 | | | 3.575°S | 149.884°E | -2468 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS2-002-008 | NAKADA, 1994 | SEAPSO-2 | AAS | WR | 1.15 | | | 12.2°S | 167.7°E | | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS2-003-001 | NAKADA, 1994 | SEAPSO-2 | AAS | WR | 1.82 | | | 12.225°S | 167.677°E | -900 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS2-007-002 | MONJARET, 1991 | SEAPSO-2 | AAS | WR | 1.36 | | | 12.272°S | 167.863°E | -1930 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS2-010-001 | MONJARET, 1991 | SEAPSO-2 | AAS | WR | 1.03 | | | 13.398°S | 167.995°E | -1800 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-001 | EISSEN, 1991 | SEAPSO-3 | EMP | GL | 1.16 | | | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-001 | EISSEN, 1991 ; NOHARA, 1994 | SEAPSO-3 | AAS; | WR | 1.53 | .793186 | .513038 | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-002 | EISSEN, 1991 | SEAPSO-3 | EMP | GL | 1.75 | | | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-002 | EISSEN, 1991 ; NOHARA, 1994 | SEAPSO-3 | AAS; | WR | 1.54 | .793186 | .512978 | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-003 | EISSEN, 1991 | SEAPSO-3 | EMP | GL | 1.38 | | | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-003 | EISSEN, 1991 | SEAPSO-3 | AAS | WR | 1.54 | | | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-004 | EISSEN, 1991 | SEAPSO-3 | EMP | GL | 1.57 | | | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |
| CHRSPS3-001-004 | EISSEN, 1991 | SEAPSO-3 | AAS | WR | 1.67 | | | 19.9645°S | 173.3743°E | -2770 | BACK-ARC_BASIN A, | igneous:volcanic:mafic |

To view associated metadata on expeditions, references, or methods, click the corresponding button above the html data table.

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Other Features

Accessing MGDS (Marine Geoscience Data System) data through PetDB

The Marine Geoscience Data System provides access to bathymetry, navigation, multi-beam and sidescan sonar information for cruises and expeditions. Complementary chemical information may be available through PetDB*.

*Note that geophysical and navigation data may not be available for all expeditions in PetDB.

To access MGDS data through PetDB, create a query and click on the 'View Expeditions' button.

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The criteria so far selected give **285** results. Use the "clear" button to remove particular criteria without affecting the remaining settings, or use the "Build New Query" button on the left menu to clear all criteria and begin a new query.

Are you looking for a specific sample? [Click here...](#)
a specific reference? [Click here...](#)

Refine your query

[Save Query](#) [Continue to Data Selection](#)

| | | |
|---|-------------------------|--------------------|
| <input type="button" value="SET"/> | Latitude/Longitude | no constraints set |
| <input type="button" value="SET"/> | Geographical Name | no constraints set |
| <input type="button" value="SET"/> | Tectonic Setting | no constraints set |
| <input type="button" value="SET"/> | Sample Characteristics | no constraints set |
| <input checked="" type="button" value="SET"/> | Cruise/Ship | EW9309 |
| <input type="button" value="SET"/> | Publication Information | no constraints set |
| <input type="button" value="SET"/> | Data Availability | no constraints set |
| <input type="button" value="SET"/> | Data Version | no constraints set |

[View References](#) [View Expeditions](#) [View/Pick Samples](#)

Legend: Click to set criteria Click to clear criteria Click to view full criteria

Sponsored by Ridge Interdisciplinary Global Experiments

Presented by Lamont-Doherty Earth Observatory of Columbia University

Database hosted by Center for International Earth Science Information Network

Supported by National Science Foundation

If data is available through MGDS a link will be available to retrieve the relevant information.

Expedition Information

[Download](#) *Download Complete list of Expeditions.*

| | |
|-------------------|---------------|
| Expedition: | EW9309 |
| Ship: | MAURICE EWING |
| Year | 1993 |
| Chief Scientists: | |
| Institution: | UNKNOWN |

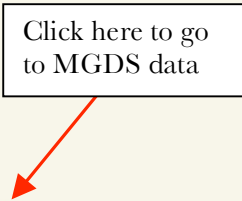
Archive UNKNOWN
For more info on this Cruise/Expedition from DMS system click [here](#)

Stations **Samples** **References**

[Get Station Info](#) [Get Sample Info](#) [Get Reference Info](#)

[close window](#)

Click here to go to MGDS data



The MGDS window displays the various datasets available for the queried expedition.

|  MARINE GEOSCIENCE DATA SYSTEM | Tools and Services | Data | Partners | Explore Further |
|--|---|---|--|---|
| | Search for Data: GeoMapApp Data Link Create Maps & Grids Web Services Data for Google Earth Education Modules | Antarctic Bathymetry MARGINS Ridge 2000 Ridge Bathymetry Seismic Reflection | PetDB ODP Borehole LDEO Core Repository UTIG Processed Seis | What's New Related Links Contribute Data Meetings & Reports Acknowledgements Statistics & Holdings Advisory Committee |

Data Link Entry : EW9309

Click on active links to access data or information.

Map View

Platform: [Maurice Ewing](#)
 Operator: [LDEO:Office of Marine Operations](#)

Chief_Scientist : Schilling, Jean-Guy ([NSF OCE90-11741](#))
 Scientist:Geochemistry: Fontignie, Denis
 Scientist:Geochemistry: Sarda, Philippe
 Scientist:Geophysics: Chen, John
 Scientist:Geophysics: Small, Christopher
 Scientist:Marine_Research_Specialist: Kingsley, Richard
 Student:Graduate : Carruthers, Margaret
 Student:Graduate : Douglass, Jim
 Student:Graduate : Martinez, Luma
 Student:Graduate : Moreira, Manuel
 Student:Graduate : Spath, Andreas
 Computer_Systems_Manager: Robinson, William, J.
 Core_Bosun : QaliMa'iwiwiri, Ropate
 Science_Officer : Stennett, Joseph
 Technician:Electronics: Pitman, Walter
 Technician:Hydrosweep: Bissell, Daniel
 Technician:Hydrosweep: Chayes, Dale

Port: 1993-11-20 Cape Town, South Africa
 Port: 1993-12-27 Montevideo, Uruguay

West: -56.14180
 East: 18.43900
 South: -52.47230
 North: -33.86290

Survey Locations and Navigation:

[EW9309 Primary Navigation](#)

Field Data Inventory:

| Dive Type | Line Platform Type | Station Type | Data Type | Device Type | Device Info | Investigator or Contact |
|-----------|--------------------|--------------|---------------------------------------|-----------------------|---------------------|-------------------------|
| | | | Bathymetry:Singlebeam | Sonar Multibeam | | Schilling_Jean-Guy |
| | | | Bathymetry:Swath | Sonar Multibeam | Atlas:Hydrosweep-DS | Schilling_Jean-Guy |
| | | | Chemistry:Rock | | PetDB: | Schilling_Jean-Guy |
| | | | Gravity:Field | Gravimeter | Bodenseewerk:KSS-30 | Schilling_Jean-Guy |
| | | | Magnetic:Field | Magnetometer | Varian:V75 | Schilling_Jean-Guy |
| | | | Navigation | Navigation Primary | | Schilling_Jean-Guy |

The process works in reverse too!
 You can also browse MGDS files
 and access PetDB data when
 available.