

# A Tour of the EarthChem Library (ECL)

<http://www.earthchem.org/library>  
[info@earthchem.org](mailto:info@earthchem.org)

**EARTHCHEM**  
Search. Synthesize. Contribute.

ABOUT ▾ SUBMIT DATA ▾ ACCESS DATA ▾ COMMUNITIES RESOURCES ▾

Twitter Facebook Search

## EarthChem Library

EarthChem Library Home / EarthChem Library

**SUBMIT DATA**

EARTHCHEM LIBRARY  
SUBMISSION GUIDELINES  
POLICIES  
DATA TEMPLATES  
GEOCHEMISTRY TEMPLATES  
COMMUNITY TEMPLATES  
GEOCHRON TEMPLATES

The EarthChem Library is a data repository that archives, publishes and makes accessible data and other digital content from geoscience research (analytical data, data syntheses, models, technical reports, etc).

**SUBMIT DATA** **SEARCH DATA**

Please review the [Guidelines](#) and [Policies](#) for the repository before submitting a dataset.

### Repository Services

- Data publication and archiving of newly generated data
- Digital Object Identifier (DOI) assignment of datasets for proper citation
- Quality control of data and metadata
- External links to publications, samples, funding awards, and more
- Embargo period of up to two years (e.g., during manuscript preparation)
- Licensing choice to ensure appropriate credit and reuse

**Recent Submissions to the EarthChem Library**

- Zhao, K. 2021. Whole-rock element and isotope geochemistry and mineral composition data of the Triassic Qinzhou Bay Granitic complex from South China undefined DOI
- Poulton, S., Johnston, D. 2023. Geochemical and S isotope data for the Transvaal Supergroup, South Africa undefined DOI
- Jackson, M., Becker, T., Steinberger, B. 2020. Spatial characteristics of recycled and primordial reservoirs in the deep mantle undefined DOI

**VIEW ALL DATASETS**

## Welcome to the EarthChem Library (ECL)

The ECL is a data repository that archives and publishes data from geoscience research. In this tutorial you will get a tour of the ECL. The homepage for the EarthChem Library explains the goals and services provided by the ECL and can be found <http://www.earthchem.org/library>.



Home



Search



Contribute



Browse



MyECL

The EarthChem Library is a data repository that archives, publishes and makes accessible data and other digital content from geoscience research (analytical data, data syntheses, models, technical reports, etc).

#### Access

Access to the EarthChem Library is open and free but you may not circulate or publish materials obtained from this site unless you adhere to the licensing requirements as stipulated by the provider of the dataset(s).

#### Long-Term Archive

The EarthChem Library guarantees long-term availability of its content through collaboration with the [Columbia University Libraries Digital Program](#).

#### Data Registration with DOI

Datasets in the Library can be identified, shared, published and cited by using a [Digital Object Identifier \(DOI\)](#). The EarthChem Library is part of [IEDA](#), a publication agent with the [DataCite](#) consortium. Learn more about [how to cite EarthChem data](#).

#### Data Submission

The EarthChem Library offers [online data submission](#). If you want to submit data to the Library, please view [our video tutorials on YouTube](#) or check the [EarthChem Library Submission Guidelines](#). Access to submitted datasets can be restricted for a period of up to 2 years.

#### NSF Investigator Support

Datasets submitted to the EarthChem Library can be linked to NSF award numbers upon submission. Investigators can use the [IEDA Data Compliance Report tool](#) to prepare reports about submitted datasets to demonstrate compliance with [NSF Data Policies](#).

See the full [IEDA EarthChem Data Publication Policy](#) here.

Check out new EarthChem Library features and enhancements in the [ECL Release Notes](#).

Version 4.0.1 (Sept 30, 2020)

## Navigation Menu

On each page in the ECL, you can navigate the site using the ECL Menu at the top of the page.

## Browse View

EarthChem

EarthChem Library



Click DOI link  
to view details

Results 1 to 25 of 785 datasets. Next >>			
AUTHOR(S)	TITLE	DATE OF RELEASE	DOI
Poulton et al.	Geochemical and S isotope data for the Transvaal Supergroup, South Africa	01/01/2023	<a href="https://doi.org/10.26022/IEDA/111811">10.26022/IEDA/111811</a>
Weiss et al.	Published He content and $3\text{He}/4\text{He}$ for CLM-derived xenoliths measured by crushing	12/09/2022	<a href="https://doi.org/10.26022/IEDA/111777">10.26022/IEDA/111777</a>
Weiss et al.	High-density fluid microinclusion-bearing diamonds from the De Beers Pool and Finsch mines, South Africa	12/09/2022	<a href="https://doi.org/10.26022/IEDA/111776">10.26022/IEDA/111776</a>
Rooney et al.	Mamainse Point whole-rock major elements, trace elements, and isotopic analysis	10/04/2022	<a href="https://doi.org/10.26022/IEDA/111713">10.26022/IEDA/111713</a>
Stubbins, A.	Fourier transform ion cyclotron mass spectrometry data from the incubation of DOM from different rivers with different bacterial populations	08/24/2022	<a href="https://doi.org/10.26022/IEDA/111634">10.26022/IEDA/111634</a>
Narváez et al.	Olivine-hosted re-heated melt inclusion composition from Ecuadorian volcanoes	08/16/2022	<a href="https://doi.org/10.26022/IEDA/111625">10.26022/IEDA/111625</a>
Stubbins, A.	Big River Seasonal FTICRMS Data	08/01/2022	<a href="https://doi.org/10.26022/IEDA/111626">10.26022/IEDA/111626</a>
Anderson et al.	Extreme mantle heterogeneity in mid-ocean ridge mantle revealed in lavas from the $8^{\circ}20' \text{ N}$ near-axis seamount chain	07/28/2022	<a href="https://doi.org/10.26022/IEDA/111616">10.26022/IEDA/111616</a>
Hu, P.	Elemental and U-Pb-Lu-Hf-Sr-Nd isotopic data and magma mixing modeling of the Cambrian mafic-intermediate-felsic rocks from the North Lhasa terrane	07/01/2022	<a href="https://doi.org/10.26022/IEDA/111606">10.26022/IEDA/111606</a>
Muhtar et al.	Sericite $40\text{Ar}/39\text{Ar}$ ages, and S-Pb-H-O isotope data from the Kanggur gold deposit of the Tianshan	06/22/2022	<a href="https://doi.org/10.26022/IEDA/111587">10.26022/IEDA/111587</a>
Huang, J.	Whole rock Iron isotopic data of basalts and gabbros from IODP1256	06/10/2022	<a href="https://doi.org/10.26022/IEDA/111573">10.26022/IEDA/111573</a>
Li, Z.	Partial core vaporization during Giant Impacts inferred from the entropy and the critical point of iron	05/13/2022	<a href="https://doi.org/10.26022/IEDA/111554">10.26022/IEDA/111554</a>
Davis et al.	Major and trace element analysis of the Portage Lake volcanics from the Keweenaw Continental Flood Basalt Province	02/18/2022	<a href="https://doi.org/10.26022/IEDA/111501">10.26022/IEDA/111501</a>
Grujic et al.	Raman spectroscopy on carbonaceous material in Bhutan	02/01/2022	<a href="https://doi.org/10.26022/IEDA/111507">10.26022/IEDA/111507</a>
Grujic et al.	Ti-in quartz thermobarometry for Bhutan quartz mylonites	02/01/2022	<a href="https://doi.org/10.26022/IEDA/111508">10.26022/IEDA/111508</a>

## Browse View

The browse view shows dataset title, description, authors, release date, and the link to the datasets. You can sort the browse view by title or release date by clicking on the column header.

## Data DOI: 10.1594/IEDA/100428

**Citation:** David Clague, Brian M. Dreyer, Jennifer B. Paduan, Julie F. Martin, William W. Chadwick, David W. Caress, Ryan A. Portner, Thomas P. Guilderson, Mary L. McGann, Hans Thomas, David A. Butterfield, Robert W. Embley, (2014), Glass compositions for Axial Seamount samples Interdisciplinary Earth Data Alliance (IEDA). doi:10.1594/IEDA/100428

**Title:** Glass compositions for Axial Seamount samples

**Abstract:** \*\*This new version updates the Primary Method Metadata tab.\*\* Major element compositions of glass from lava samples from Axial Seamount, Juan de Fuca Ridge, determined by electron microprobe. Samples were collected between 2005 and 2011 by ROVs and wax-tipped rock corer. The data were used in conjunction with high-resolution AUV bathymetry, ROV observations, and age dating of foraminifera in sediment cores to develop a geologic history of Axial Seamount.

**Other Description:** Clague, D.A., B.M. Dreyer, J.B. Paduan, J.F. Martin, W.W. Chadwick Jr., D.W. Caress, R.A. Portner, T.P. Guilderson, M.L. McGann, H. Thomas, D.A. Butterfield, and R.W. Embley (2013). "Geologic History of the Summit of Axial Seamount, Juan de Fuca Ridge", *Geochem. Geophys. Geosyst.* 14(20): 4403-4443.

**Creator(s):** David Clague; ORCID: [0000-0002-2432-8786](https://orcid.org/0000-0002-2432-8786); SCOPUS: [7004813904](https://scopus.com/authorid/7004813904)  
Brian M. Dreyer; ORCID: [0000-0003-0992-6929](https://orcid.org/0000-0003-0992-6929); SCOPUS: [14017575900](https://scopus.com/authorid/14017575900)  
Jennifer B. Paduan; SCOPUS: [7004018027](https://scopus.com/authorid/7004018027)  
Julie F. Martin; SCOPUS: [55279881600](https://scopus.com/authorid/55279881600)  
William W. Chadwick; ORCID: [0000-0002-5129-4569](https://orcid.org/0000-0002-5129-4569); SCOPUS: [7003284523](https://scopus.com/authorid/7003284523)  
David W. Caress; ORCID: [0000-0002-6596-9133](https://orcid.org/0000-0002-6596-9133); SCOPUS: [6603594692](https://scopus.com/authorid/6603594692)  
Ryan A. Portner; SCOPUS: [26423236200](https://scopus.com/authorid/26423236200)  
Thomas P. Guilderson; SCOPUS: [7004165030](https://scopus.com/authorid/7004165030)  
Mary L. McGann; SCOPUS: [7003972215](https://scopus.com/authorid/7003972215)  
Hans Thomas; SCOPUS: [35415993100](https://scopus.com/authorid/35415993100)  
David A. Butterfield; SCOPUS: [48960970400](https://scopus.com/authorid/48960970400)  
Robert W. Embley; SCOPUS: [7003610383](https://scopus.com/authorid/7003610383)

**Date Available:** 2014-03-22

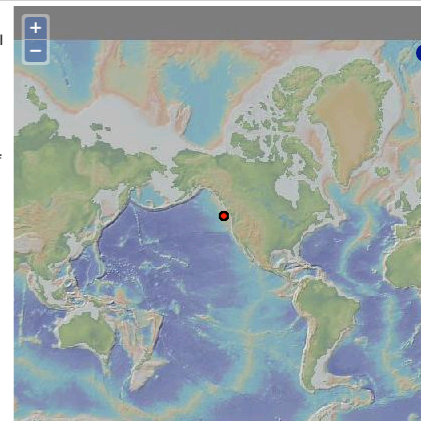
**Date Created:** 2014-03-21

**Data Type(s):** Chemistry:Rock  
Petrography

**Keyword(s):** Coverage Scope: Regional (Continents, Oceans)  
IEDA Topic: Geochemistry  
IEDA Topic: Marine Geoscience  
IEDA Topic: Solid Earth  
IEDA Feature of Interest: Spreading Center  
material: basaltic glass  
program: Ridge related  
subject: seamount  
subject: submarine volcano  
place: Axial Seamount  
place: Juan de Fuca Ridge  
place: Pacific Ocean  
Geographic Location: Axial Seamount, Axial Volcano, Juan de Fuca Ridge, Pacific Ocean

**Resource Type:** Collection

**File Format(s):** application/vnd.ms-excel



## Dataset Profile Page

By clicking View Details next to a dataset listing, you reach the dataset profile page. Here you can view the metadata that is based on the DataCite kernel. Besides basic information about the dataset, you can follow a link to any related publications.

**Creator(s):** David Clague; ORCID: [0000-0002-2432-8786](#); SCOPUS: [7004813904](#)  
 Brian M. Dreyer; ORCID: [0000-0003-0992-6929](#); SCOPUS: [14017575900](#)  
 Jennifer B. Paduan; SCOPUS: [7004018027](#)  
 Julie F. Martin; SCOPUS: [55279881600](#)  
 William W. Chadwick; ORCID: [0000-0002-5129-4569](#); SCOPUS: [7003284523](#)  
 David W. Caress; ORCID: [0000-0002-6596-9133](#); SCOPUS: [6603594692](#)  
 Ryan A. Portner; SCOPUS: [26423236200](#)  
 Thomas P. Guilderson; SCOPUS: [7004165030](#)  
 Mary L. McGann; SCOPUS: [7003972215](#)  
 Hans Thomas; SCOPUS: [35415993100](#)  
 David A. Butterfield; SCOPUS: [48960970400](#)  
 Robert W. Embley; SCOPUS: [7003610383](#)

**Date Available:** 2014-03-22

**Date Created:** 2014-03-21

**Data Type(s):** Chemistry:Rock  
Petrography

**Keyword(s):** Coverage Scope: Regional (Continents, Oceans)  
 IEDA Topic: Geochemistry  
 IEDA Topic: Marine Geoscience  
 IEDA Topic: Solid Earth  
 IEDA Feature of Interest: Spreading Center  
 material: basaltic glass  
 program: Ridge related  
 subject: seamount  
 subject: submarine volcano  
 place: Axial Seamount  
 place: Juan de Fuca Ridge  
 place: Pacific Ocean  
 Geographic Location: Axial Seamount, Axial Volcano, Juan de Fuca Ridge, Pacific Ocean

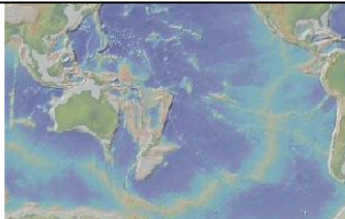
**Resource Type:** Collection


**File Format(s):** application/vnd.ms-excel

**Data Curated by:** [EarthChem Library \(ECL\)](#)

Download File(s):	File Name	File Size
<input checked="" type="checkbox"/>	Paduan_Microprobe_Glass.xls	201 KB

[Download](#)



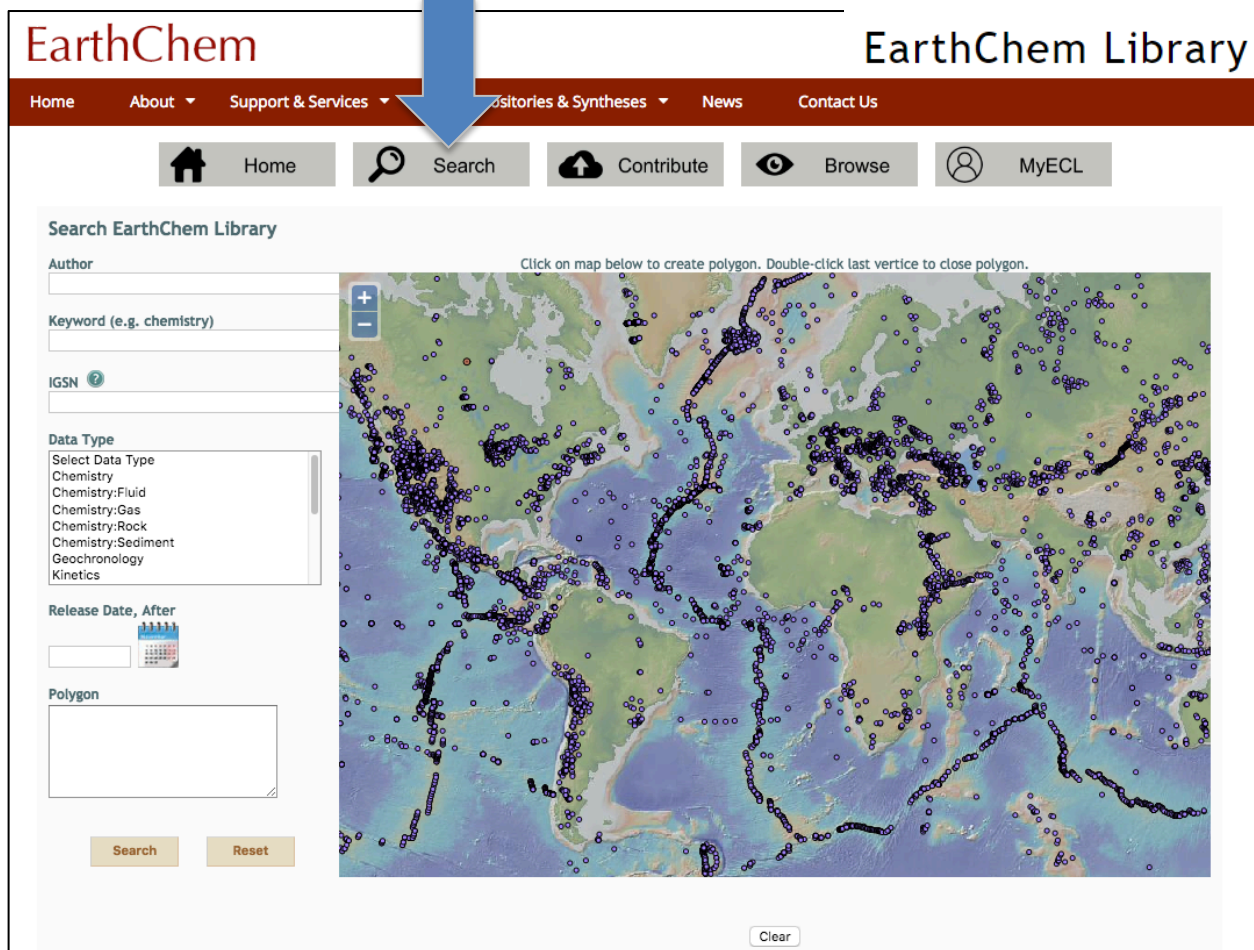


Download dataset

## Download a dataset

At the bottom of the dataset profile page, there is a button to download the dataset. The dataset is available for download only after the Release Date set by the author.

## Search Page

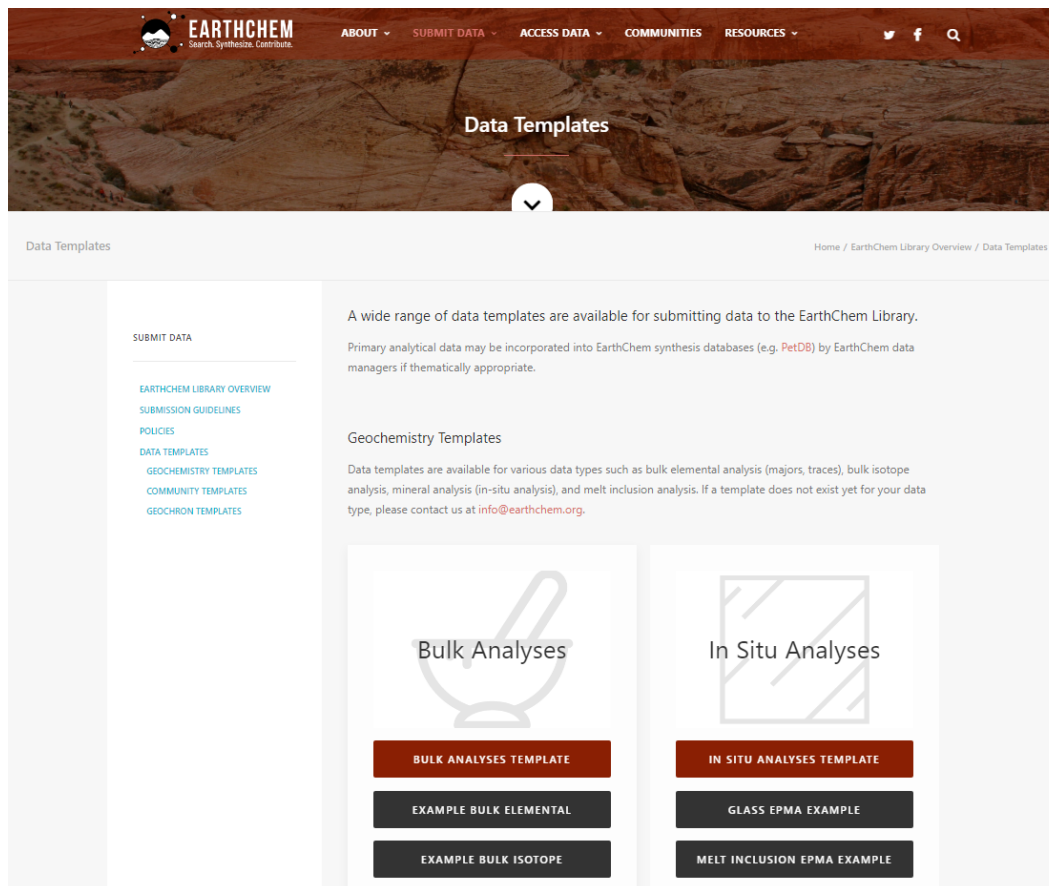


The screenshot shows the EarthChem Library website. The navigation bar at the top includes links for Home, About, Support & Services, Repositories & Syntheses, News, and Contact Us. Below this is a secondary navigation bar with icons and labels for Home, Search, Contribute, Browse, and MyECL. The main content area is titled 'Search EarthChem Library' and contains several search filters: Author, Keyword (e.g. chemistry), IGSN, Data Type (with a dropdown menu showing options like Chemistry, Chemistry:Fluid, Chemistry:Gas, Chemistry:Rock, Chemistry:Sediment, Geochronology, and Kinetics), Release Date, After (with a calendar icon), and Polygon (with a map icon). A large map of the world is displayed on the right side of the search filters, showing numerous data points. A text overlay on the map reads: 'Click on map below to create polygon. Double-click last vertice to close polygon.' At the bottom of the search filters are 'Search' and 'Reset' buttons. A 'Clear' button is located at the bottom right of the map area.

## Search Page

On the search page, you can search by author, keyword, IGSN, data type, release date, as well as location.





## Data submission templates

If you would like to submit a dataset to the ECL, we encourage you to use the ECL Data Submission Templates. There are templates for geochemistry data and community templates such as for clumped isotopes and tephra data. Data templates are also available from Geochron for U-Pb, (U-Th)-He, Ar-Ar, and fission track geochronological data. Find templates at <https://www.earthchem.org/ecl/templates>.



Submit to ECL



EarthChem

EarthChem Library



Home



Search



Contribute



Browse



MyECL

The EarthChem Library is a data repository that archives, publishes and makes accessible data and other digital content from geoscience research (analytical data, data syntheses, models, technical reports, etc).

#### Access

Access to the EarthChem Library is open and free but you may not circulate or publish materials obtained from this site unless you adhere to the licensing requirements as stipulated by the provider of the dataset(s).

#### Long-Term Archive

The EarthChem Library guarantees long-term availability of its content through collaboration with the [Columbia University Libraries](#) Digital Program.

#### Data Registration with DOI

Datasets in the Library can be identified, shared, published and cited by using a [Digital Object Identifier](#) (DOI). The EarthChem Library is part of IEDA, a publication agent with the [DataCite](#) consortium. Learn more about [how to cite EarthChem data](#).

#### Data Submission

The EarthChem Library offers [online data submission](#). If you want to submit data to the Library, please [view our video tutorials on YouTube](#) or check the [EarthChem Library Submission Guidelines](#). Access to submitted datasets can be restricted for a period of up to 2 years.

#### NSF Investigator Support

Datasets submitted to the EarthChem Library can be linked to NSF award numbers upon submission. Investigators can use the [IEDA Data Compliance Report tool](#) to prepare reports about submitted datasets to demonstrate compliance with [NSF Data Policies](#).

See the full [IEDA EarthChem Data Publication Policy](#) here.

Check out new EarthChem Library features and enhancements in the [ECL Release Notes](#).

Version 4.0.1 (Sept 30, 2020)

## Submitting a dataset to ECL

When you are ready to submit your dataset, click on the Menu choice “Contribute.”

## EarthChem Library

Please authenticate in order to contribute or manage your submission(s) in the Repository.

If you do not have either an ORCID ID or GeoPass, we recommend that you Register with ORCID using [this link](#).



Login with your ORCID

or



Login with your GeoPass

### Logging in

Log in with your ORCID ID or by using a GeoPass account. If you do not have an account, you will be prompted to sign up for one. The GeoPass system is a single-sign on for several IEDA (Interdisciplinary Earth Data Alliance) systems.

EarthChem

EarthChem Library

[Home](#)
[About](#)
[Support & Services](#)
[Data Repositories & Syntheses](#)
[News](#)
[Contact Us](#)

Home

Search

Contribute

Browse

MyECL

[Edit my Profile](#)
[Logout of ECL](#)

Contributor Information

If your information is incorrect, please click [here](#) to edit your registration info.

First Name

Last Name

Email

Related Funding Information

Funding Source

Award Number

NSF

Validate

[ + Add New Award]

Dataset Information

Dataset Title \*

Dataset Language

English

Dataset Type

Collection

[See Definitions](#)

Lead Author \*

Use the dropdown list below to select the Lead Author OR add a new one by selecting the provided link on the lefthand side.

[ + Add New Author ]

-- Select Lead Author --

Co-Author(s)

The order presented below will be displayed in the published record after the lead author. The maximum number of Co-Authors allowed is 15.

[ + Add ]

First Name

Middle Initial

Last Name

## Data submission data entry page

Once signed in, you are asked for the following information on the data entry page: dataset title, language, data type, creator, description, keywords, related publications, primary publication DOI, release date, spatial coverage, geographic keywords, and the actual dataset file.

EarthChem

EarthChem Library

[Home](#) [About](#) [Support & Services](#) [Data Repositories & Syntheses](#) [News](#) [Contact Us](#)

[Home](#) [Search](#) [Contribute](#) [Browse](#) [MyECL](#)

[Edit my Profile](#) [Logout of ECL](#)

Contributor Information

If your information is incorrect, please click [here](#) to edit your registration info.

First Name

Last Name

Email

Related Funding Information

Funding Source

Award Number

NSF

Validate

[ + Add New Award ]

Dataset Information

Dataset Title \*


Dataset Language

Dataset Type

Lead Author \*

Co-Author(s)

Enter Award Number



## Entering Award Number

When submitting a dataset, you have the option to enter NSF, NASA, or other award numbers to link to your data. This helps with data management reporting and the new Data Management Plan requirement from NSF.

Spatial Coverage Information

Spatial Coverage \*

- Select Applicable -

Geographic Keywords (optional)

Provide appropriate geographic keywords for searches.  
(e.g. Pacific Ocean, Aleutian Islands)

Link Your Dataset To Related Information

This will make your data more discoverable, reusable, and interoperable. Please enter multiple values as a comma separated list.

[Volcano Lookup](#) | [IGSN Lookup](#) | [Cruise DOI Lookup](#) (Note: Lookup links are to external websites and will open in a new window)

Select Type

Value

Description (optional)

[ + Add New Entity ]

Data File Upload

Note: File names should only contain upper or lowercase letters, numbers and/or the following 3 character types . \_ - are allowed. File names must not contain spaces. An appropriate file extension (ex: .csv, .doc, .docx, .kml, .pdf, .txt, .xls, .xlsx, .xml) must be included.

Upload File \*

You must upload at least 1 file per submission. Total file upload size should not exceed 20 MB. A optional file description is encouraged. The description length is 256 characters or less.

[ + Add Another File ]

Choose File:

Choose File

No file chosen

Enter Related Information

## Entering Related Information

When submitting a dataset, you also have the option to associate related identifiers and information with your data. Select a hyperlink to look up: Volcano number in the Smithsonian database; IGSN at SESAR; or Cruise ID at R2R. Once you have located the information in the external site(s), enter it into the text boxes. Multiple entries may be entered as a comma separated list.

A Tour of the EarthChem Library

13

## Data File Release Information

*The maximum date in the future is two years forward from the date of dataset submission. Before the release date, its metadata will be available and searchable in the EarthChem Library, but the data file will not be available for download.*

Data file release date \*

07/25/2019



use calendar



Suggest my dataset to PetDB

☐

*Please select license for your data file.*

Data File License \*

CC BY-SA 4.0



Creative Commons Attribution-ShareAlike 4.0 International

## Data file release date

You also have the option to set a release date for your dataset. The maximum date in the future is two years from the date of dataset submission. Before the release date, the dataset metadata will be available and searchable in the EarthChem Library, but the data file will not be available for download.

### Data File Release Information

*The maximum date in the future is two years forward from the date of dataset submission. Before the release date, its metadata will be available and searchable in the EarthChem Library, but the data file will not be available for download.*

Data file release date \*

07/25/2019



use calendar

Suggest my dataset to PetDB

☐

*Please select license for your data file.*

Data File License \*

CC BY-SA 4.0



Creative Commons Attribution-ShareAlike 4.0 International

## Suggest your dataset to PetDB

Another option for your dataset is to suggest your dataset for inclusion in the PetDB database. If you select this box a PetDB data curator will be alerted and will decide if your dataset is appropriate for inclusion in PetDB. We will notify you if your dataset is accepted.



### Data File Release Information

*The maximum date in the future is two years forward from the date of dataset submission. Before the release date, its metadata will be available and searchable in the EarthChem Library, but the data file will not be available for download.*

Data file release date \*

07/25/2019



use calendar

Suggest my dataset to PetDB

☐

*Please select license for your data file.*

Data File License \*

CC BY-SA 4.0



Creative Commons Attribution-ShareAlike 4.0 International



## Data File Licensing

Lastly, you may select a Creative Commons license to associate with your dataset. Currently there are four options:

- [Creative Commons Attribution-ShareAlike 4.0 International](#) (default, recommended)
- [Creative Commons Attribution-NonCommercial-Share Alike 3.0 United States](#)
- [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International](#)
- [Creative Commons No Rights Reserved](#)

**EARTHCHEM**  
Search. Synthesize. Contribute.

ABOUT ▾ SUBMIT DATA ▾ ACCESS DATA ▾ COMMUNITIES RESOURCES ▾

Resources For Researchers

Resources for Researchers

Home / Resources / Resources for Researchers

RESOURCES OF RESEARCHERS

HOW TO CITE EARTHCHEM  
CITE ECL REPOSITORY  
CITE SYNTHESSES (PETDB, PORTAL)  
TUTORIALS  
ECL REPOSITORY HELP  
PETDB HELP  
EC PORTAL HELP  
EXTERNAL DIRECTORIES  
DATA MANAGEMENT  
DATA ANALYTICS/ VISUALIZATION

## How to cite EarthChem Systems

### EarthChem Library Data Citation

Cite the dataset with its dataset DOI in the References section of your publication.

The citation should be formatted as follows:

- Creator(s) (Publication Year): Title. Publisher. Identifier. Data Accessed.

For example:

- Kurz, M.D.; Curtice, J. (2018): Whole Rock Helium Data from ODP Site U1256D. Interdisciplinary Earth Data Alliance (IEDA). <http://dx.doi.org/10.1594/IEDA/100734>. Accessed 29 March 2018.

## ECL Tutorials

Finally, visit the Help & Tutorials page at <https://earthchem.org/resources/res/> to see overviews of contributing data to EarthChem Library, data submission guidelines and YouTube tutorials, and more information on how to cite data from the ECL.

**EARTHCHEM**  
Search. Synthesize. Contribute.

ABOUT ▾ SUBMIT DATA ▾ ACCESS DATA ▾ COMMUNITIES RESOURCES ▾

Twitter Facebook Search

## EarthChem Library

EarthChem Library

Home / EarthChem Library

**SUBMIT DATA**

EARTHCHEM LIBRARY  
SUBMISSION GUIDELINES  
POLICIES  
DATA TEMPLATES  
GEOCHEMISTRY TEMPLATES  
COMMUNITY TEMPLATES  
GEOCHRON TEMPLATES

The EarthChem Library is a data repository that archives, publishes and makes accessible data and other digital content from geoscience research (analytical data, data syntheses, models, technical reports, etc).

**SUBMIT DATA** **SEARCH DATA**

Please review the [Guidelines](#) and [Policies](#) for the repository before submitting a dataset.

### Repository Services

Data publication and archiving of newly generated data

Digital Object Identifier (DOI) assignment of datasets for proper citation

Quality control of data and metadata

External links to publications, samples, funding awards, and more

Embargo period of up to two years (e.g., during manuscript preparation)

Licensing choice to ensure appropriate credit and reuse

Recent Submissions to the EarthChem Library

- Zhao, K. 2021. Whole-rock element and isotope geochemistry and mineral composition data of the Triassic Qinzhou Bay Granitic complex from South China undefined DOI
- Poulton, S., Johnston, D. 2023. Geochemical and S isotope data for the Transvaal Supergroup, South Africa undefined DOI
- Jackson, M., Becker, T., Steinberger, B. 2020. Spatial characteristics of recycled and primordial reservoirs in the deep mantle undefined DOI

**VIEW ALL DATASETS**

## Thank you

This has been an introduction to the ECL capabilities for finding, searching for, submitting, and managing data. Please contact us with any questions at [info@earthchem.org](mailto:info@earthchem.org).