

---

# **ERDDAP XML validator**

***Release 0.0.0***

**Jan 30, 2020**



---

## Contents

---

<b>1</b>	<b>Overview</b>	<b>1</b>
1.1	Installation . . . . .	1
1.2	Documentation . . . . .	1
1.3	Development . . . . .	2
<b>2</b>	<b>Installation</b>	<b>3</b>
<b>3</b>	<b>Usage</b>	<b>5</b>
<b>4</b>	<b>Reference</b>	<b>7</b>
4.1	erddap_xml . . . . .	7
<b>5</b>	<b>Contributing</b>	<b>9</b>
5.1	Bug reports . . . . .	9
5.2	Documentation improvements . . . . .	9
5.3	Feature requests and feedback . . . . .	9
5.4	Development . . . . .	10
<b>6</b>	<b>Authors</b>	<b>13</b>
<b>7</b>	<b>Changelog</b>	<b>15</b>
7.1	0.0.0 (2020-01-17) . . . . .	15
<b>8</b>	<b>Indices and tables</b>	<b>17</b>
	<b>Python Module Index</b>	<b>19</b>
	<b>Index</b>	<b>21</b>



# CHAPTER 1

---

## Overview

---

docs	
tests	

Validate ERDDAP XML files and snippets to make sure they conform to best practices.

- Free software: MIT license

## 1.1 Installation

```
pip install erddap-xml
```

You can also install the in-development version with:

```
pip install https://github.com/gulfofmaine/python-erddap-xml-validator/archive/master.  
↪ zip
```

## 1.2 Documentation

[Read the docs](#)

`erddap_xml` can be imported into a larger project, and can be used from the command line.

`erddap_xml_validate path/to/dataset.xml` will check if an XML chunk for a single dataset is correctly formatted. It will print `Valid Dataset` if it's correctly formatted, or raise an exception pointing to the specific check that the dataset failed.

## 1.3 Development

To run the all tests run:

```
tox
```

Note, to combine the coverage data from all the tox environments run:

Windows	<pre>set PYTEST_ADDOPTS=--cov-append tox</pre>
Other	<pre>PYTEST_ADDOPTS=--cov-append tox</pre>

## CHAPTER 2

---

### Installation

---

At the command line:

```
pip install erddap-xml
```





## CHAPTER 3

---

### Usage

---

To use ERDDAP XML validator in a project:

```
import erddap_xml
```



## CHAPTER 4

---

### Reference

---

#### 4.1 erddap\_xml



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given.

### 5.1 Bug reports

When [reporting a bug](#) please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

### 5.2 Documentation improvements

ERDDAP XML validator could always use more documentation, whether as part of the official ERDDAP XML validator docs, in docstrings, or even on the web in blog posts, articles, and such.

### 5.3 Feature requests and feedback

The best way to send feedback is to file an issue at <https://github.com/gulfofmaine/python-erddap-xml-validator/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that code contributions are welcome :)

## 5.4 Development

To set up *python-erddap-xml-validator* for local development:

1. Fork [python-erddap-xml-validator](#) (look for the “Fork” button).
2. Clone your fork locally:

```
git clone git@github.com:gulfofmaine/python-erddap-xml-validator.git
```

3. Create a branch for local development:

```
git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

4. Install development version to tinker:

```
python setup.py develop
```

5. When you’re done making changes run all the checks and docs builder with `tox` one command:

```
tox
```

6. Commit your changes and push your branch to GitHub:

```
git add .
git commit -m "Your detailed description of your changes."
git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

### 5.4.1 Pull Request Guidelines

If you need some code review or feedback while you’re developing the code just make the pull request.

For merging, you should:

1. Include passing tests (run `tox`)<sup>1</sup>.
2. Update documentation when there’s new API, functionality etc.
3. Add a note to `CHANGELOG.rst` about the changes.
4. Add yourself to `AUTHORS.rst`.

### 5.4.2 Tips

To run a subset of tests:

```
tox -e envname -- pytest -k test_myfeature
```

To run all the test environments in *parallel* (you need to `pip install detox`):

---

<sup>1</sup> If you don’t have all the necessary python versions available locally you can rely on Travis - it will [run the tests](#) for each change you add in the pull request.

It will be slower though ...

detox





## CHAPTER 6

---

### Authors

---

- Alex Kerney - <http://gmri.org>



## CHAPTER 7

---

### Changelog

---

#### 7.1 0.0.0 (2020-01-17)

- First release on PyPI.



## CHAPTER 8

---

### Indices and tables

---

- `genindex`
- `modindex`
- `search`



**e**

erddap\_xml, [7](#)





## E

erddap\_xml (*module*), [7](#)