



**asdf<sub>wcs</sub>chemas***Documentation*  
***Release 0.4.1.dev2+g1539e0f***

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The ASDf WCS Schemas define a set of schemas for serializing WCS objects for the [GWCS](#) package. These schemas are based upon the schemas in the [ASDF Standard](#) and are packaged for use by the [ASDF](#) library.

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**Note:** This is only a schema package, to use these schemas to serialize WCS objects, one must install the [GWCS](#) package.

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**Part I**

**Included Resources**





The following are listings of all the schemas provided by this package for ASDF.

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**Note:** Typically, schemas are used in ASDF via their tag, which can be found in the manifest. When using a WCS in ASDF it is recommended that you use the tag instead of a direct reference to the schema. Moreover, when doing so make sure you are using the correct manifest version.

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## WCS SCHEMAS

The wcs schemas.

### **1.1 Current**

### **1.2 Legacy**



## COORDINATE FRAME SCHEMAS

The frame schemas.

### 2.1 Current

### 2.2 Legacy



## **TRANSFORM SCHEMAS**

The transform schemas.

### **3.1 Current**

### **3.2 Legacy**





## **MANIFESTS**

The ASDF tags (described by schemas) available under each ASDF transform schemas version are all described by a single manifest document for that version.

### **4.1 GWCS**

### **4.2 Legacy**



## **Part II**

# **Developer Resources**



## CONTRIBUTING

We welcome feedback and contributions of all kinds. Contributions of code, documentation, or general feedback are all appreciated.

### 5.1 Reporting Issues

Feature requests and bug reports for the Python implementation can be posted at [asdf-wcs-schemas's github page](#).

### 5.2 Contributing Code and Documentation

We love contributions! If you're interested in contributing to this project, please open a Pull Request or issue and we would be glad to work with you.

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**Note:** ASDF-wcs-schemas is mostly a collection of schemas for the ASDF format. This means that in addition to contributing a schema, you will likely also need some code to actually handle serializing and deserializing your data. Typically, this code will need to be contributed to [GWCS](#), which is a separate project. Please link your pull requests and issues between the two projects.

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## CHANGE LOG

### 6.1 0.4.1 (unreleased)

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### 6.2 0.4.0 (2024-03-09)

- Update schemas for ASDF standard 1.6.0. [#59]

### 6.3 0.3.0 (2023-11-28)

- Add gwcs-1.2.0 manifest with new wcs-1.2.0 schema. [#56]

### 6.4 0.2.0 (2023-09-11)

- Update documentation to be consistent with rest of ASDF. [#12]
- Switch over to pyproject.toml for build configuration. [#20]
- Remove duplicate tag versions in gwcs manifest 1.0.0 (adding 1.0.1) and add 1.1.0 with only the newest tags [#46]

### 6.5 0.1.1 (2021-12-03)

- Update manifest URI authority to asdf-format.org. [#5]

## 6.6 0.1.0 (2021-11-24)

- Initial schemas for gwcs. [#1]
- Update \$ref targets from tag URIs to schema URIs. [#3]



## **Part III**

## **Index**



- [genindex](#)
- [modindex](#)
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