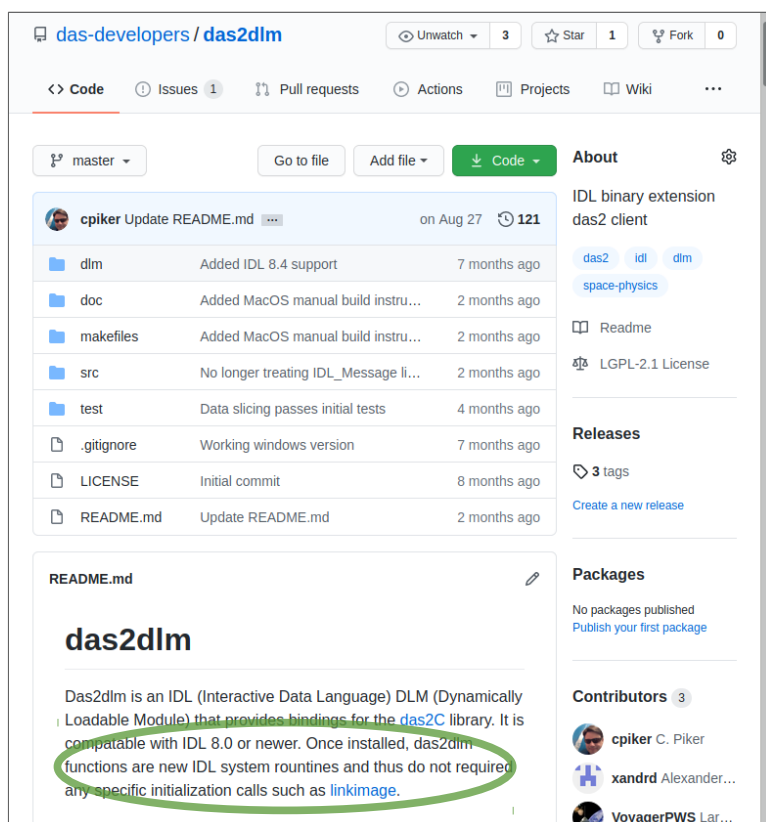


- Online: 25 Year Retrospective and Current System Demo indico.obspm.fr/event/427/contributions/506/
- *das2dml* - New IDL downloadable module with same data model as *das2py*
github.com/das-developers
- SPEDAS using *das2dml*
Alexander Drozdov, UCLA spedas.org



das-developers / das2dml

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About IDL binary extension das2 client

cpiker Update README.md on Aug 27 121

File	Description	Time
dml	Added IDL 8.4 support	7 months ago
doc	Added MacOS manual build instru...	2 months ago
makefiles	Added MacOS manual build instru...	2 months ago
src	No longer treating IDL_Message li...	2 months ago
test	Data slicing passes initial tests	4 months ago
.gitignore	Working windows version	7 months ago
LICENSE	Initial commit	8 months ago
README.md	Update README.md	2 months ago

README.md

das2dml

Das2dml is an IDL (Interactive Data Language) DLM (Dynamically Loadable Module) that provides bindings for the *das2C* library. It is compatible with IDL 8.0 or newer. Once installed, *das2dml* functions are new IDL system routines and thus do not require any specific initialization calls such as *linkimage*.

Releases: 3 tags, Create a new release

Packages: No packages published, Publish your first package

Contributors: 3

- cpiker C. Piker
- xandr Alexander...
- VoyagerPWS Lar...



SPEDAS

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Downloads and Installation

Contents [hide]

- *New* SPEDAS 4.1 released (October 2020)
- If you have an IDL license
 - Download SPEDAS 4.1 (October 2020)
 - SPEDAS nightly build
 - IDL libraries
 - IDL Geopack library
 - IDL CDF library
 - IDL SPICE library
 - IDL DAS2 Library
- If you don't have an IDL license
 - Download the SPEDAS executables, Version 4.1 (October 2020)
 - Download the SPEDAS save file, Version 4.1 (October 2020)
- Troubleshooting and special considerations
 - Installation on a Mac - XQuartz and Java
 - MacOS Sierra or later
 - Known issues on macOS
 - Installation on Windows
 - Known issues on Windows
 - Known issues on Linux
- Running SPEDAS for the first time
- Running SPEDAS from Linux or Mac OS terminal

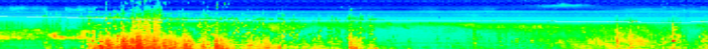

New SPEDAS 4.1 released (October 2020)

- *das2pro* - Pure IDL das2 client (TT2000) David Pisa, Czech Republic AS CR, IAP
github.com/das-developers

New das2 stream version basic/2.3 in work

- Explicitly denote usage: min, max, center, std. dev. etc.
- Explicit lengths and remove length limitations
- New types: strings, binary TT2000 times
- *Extensible* tags, headers, and packets
- More complete documentation
- Provide stream validation

Same basic principles. Continue to support v2.2



das2 Validation Service (alpha version)

Check the format of a das2.2 or das2.3 stream. Determine if data can be read from a given catalog node.

Validate via File Upload

Upload a stream file for validation. Typically these will have the file name pattern *.d2s or *.d2t. Only the first megabyte of the uploaded file will be scanned.

Browse...

No file selected.

Validate

☒ Treat extensions as errors (strict mode)

Validate via a URI *(not yet implemented)*

Validate a stream source online. Query parameters will be required for most direct das2 server URLs, but usually will not be required for Catalog URIs. Only the first megabyte of output will be scanned.

URL or Catalog URI

☐ Check here if testing a catalog data source node.

Applicable Documents

Das2.2 streams are defined by the [das2.2.2 Interface Reference](#).

Das2.3 streams are defined by the [das2.3-ICD](#), document in the [das-developers](#) / [das2docs](#) repository at [github.com](#).

As of Jan. 2020, the das2 federated catalog system is in a prototyping phase (version 0.6) and no interface control document exists to define valid catalog node files. For now, this service can be used to determine if a node definition can be parsed by existing software. A node file that cannot be parsed is not necessarily invalid.

Reference Streams for Parsers

A set of [reference streams](#) is hosted at github. These may be used to test new parser implementations.

