

SAMP4IDL

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Motivations

- IDL is widely used in the astronomy community, but is somewhat isolated from the VO world
- SAMP4IDL
 - Attempt to enable SAMP features in IDL scripts
 - In “pure” IDL (**no** Java Bridge)
 - Compatible with GDL (IDL open source clone)
 - Use VO tools from IDL as helper applications
 - Bring astronomers to the VO through IDL

API overview

- *register/unregister*
- *find application* by name/by supported mtype
- shortcut functions to send notifications for most common mtypes:
 - `image.load.fits`
 - `table.load.votable`
 - `spectrum.load.ssa-generic`
 - `table.select.rowList`
 - `coord.pointAt.sky`

SAMP4IDL status



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SAMP4IDL status

- The good news
 - It works !!



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- The not so good news
 - GDL does not support IDLnetURL --> has to use *wget* system call for XML-RPC communications



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- The good news
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 - GDL does not support IDLnetURL --> has to use *wget* system call for XML-RPC communications
- The “bad” news
 - Limited to SAMP *notifications*
 - No asynchronous calls, no callable client (would require a XML-RPC *server*)
 - XML(-RPC) parsing is currently done by hand (painful)

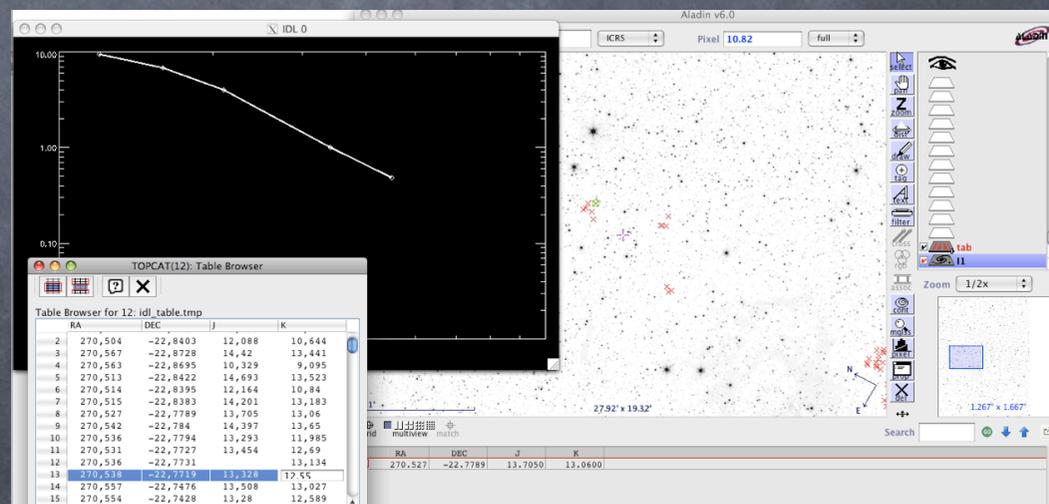


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Demo

- Simple examples
 - Sending an image
 - Sending a catalogue
- Laurent Cambresy (CDS) beta tested this API for its own needs
 - Simple visualization in Aladin from an IDL application



Perspectives

- Work in progress ...
 - Refactoring needed
 - Make XML-RPC manipulation more generic
 - Make code more object oriented
 - Documentation and examples currently missing
 - First beta version end of May
 - Contact : *thomas.boch at astro.unistra.fr*



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