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WD-ObsCore-1.2

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Canada

Issues

- closed: 4
- TODO: 5

9 results | Author | Labels | Projects | Milestones

- ObsCore extensions: cardinality 1.2
  ivoa-std/ObsCore#20 · by pdowler was closed 1w ago · Updated 1w ago
- define an ObsCore extension mechanism 1.2
  ivoa-std/ObsCore#19 · by pdowler was closed 1w ago · Updated 1w ago
- update s_region to use DALI-1.2 xtype 1.2
  ivoa-std/ObsCore#17 · by pdowler was closed 1w ago · Updated 1w ago
- previous version for REC-ObsCore-1.1 incorrect 1.2 bug
  ivoa-std/ObsCore#24 · by pdowler was closed 1w ago · Updated 1w ago
- data_rights link to VODataService is sort-of broken 1.2 bug
  ivoa-std/ObsCore#9 · gpdf opened on Nov 6, 2025 · Updated 1w ago
- redo the Role in IVOA Architecture section 1.2
  ivoa-std/ObsCore#25 · pdowler opened 3w ago · Updated 3w ago
- dataproduct_type to refer to external vocabulary 1.2
  ivoa-std/ObsCore#16 · pdowler opened on May 12 · Updated on Jun 10
- ObsCore extensions: refactoring extension into core 1.2
  ivoa-std/ObsCore#21 · pdowler opened on May 12 · Updated on May 12
- define data model identifer(s) for use in tap_schema 1.2
  ivoa-std/ObsCore#18 · pdowler opened on May 12 · Updated on May 12

structure

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details

3 ObsCore Table Model

ObsCore defines a simple set of core attributes to be included in a single table. This table structure can be implemented in various services. The column name and data types are defined using the VOTable FIELD attributes `name` and `datatype,arraysize,xtype` respectively.

name	datatype	arraysize	xtype	units	constraint
dataproduct_type	char	*			
calib_level	int				not null
obs_collection	char	*			not null
obs_id	char	*			not null
obs_publisher_did	char	*	uri		not null
access_url	char	*	uri		
access_format	char	*			
access_estsize	long			KiB	
target_name	char	*			
s_ra	double			deg	
s_dec	double			deg	

Extension Mechanism

- an extension is an additional table with domain-specific (!core) metadata
- natural key: obs_publisher_did
- cardinality
  - obs_publisher_did is unique in ObsCore
  - obs_publisher_did is unique in an extension (~foreign key)
  - ObsCore [1] → [0..1] Ext

Document preview on github - WD coming soon

- completely removed the previous section with models and UML that motivated the design: focus on ObsCore table model
  - keep? demote to later section (informative)? appendix?
- draft is rough: existing details need to be checked for consistency
- remaining issues (5), of which this is the big one:



Questions?

VO-DML specification of ObsCore?

