

Model Status: coords, trans, meas

Mark Cresitello-Dittmar

Coordinates

WD delivered to group (Nov. 30, 2018)

- Significant discussion on time related elements
- Good level of general feedback
 - Thanks to Markus, Ada, Francois, Laurent, several others

Action items

- Various typo-s and small text description changes
- Change standardized coordinates to be atomic coordinates along standard axes. (more reusable)
- Enhance use case and requirements detail
 - map model elements to requirements

Coordinates

Revised WD delivered. (Mar. 20, 2019)

- Includes all feedback items

Supporting items

- Validated vo-dml/xml
- HTML documentation
- Schema file (.xsd)
- Example serializations
 - Annotated with vo-dml mapping syntax
 - Generated by Omar using his Jovial DSL software
<https://olaurino.gitlab.io/ivoa-dm-examples/0000/01/03/Coords.html>

Coordinates

Vocabularies

- Worked with semantics group to get these installed
 - <http://docs.g-vo.org/rdf/refframe> (Reference Frames)
 - <http://docs.g-vo.org/rdf/refposition> (Reference Positions)
 - <http://docs.g-vo.org/rdf/timescale> (Time Scale)
- Being reviewed for content
 - Includes members of TDIG, SSIG

Transforms

College Park:

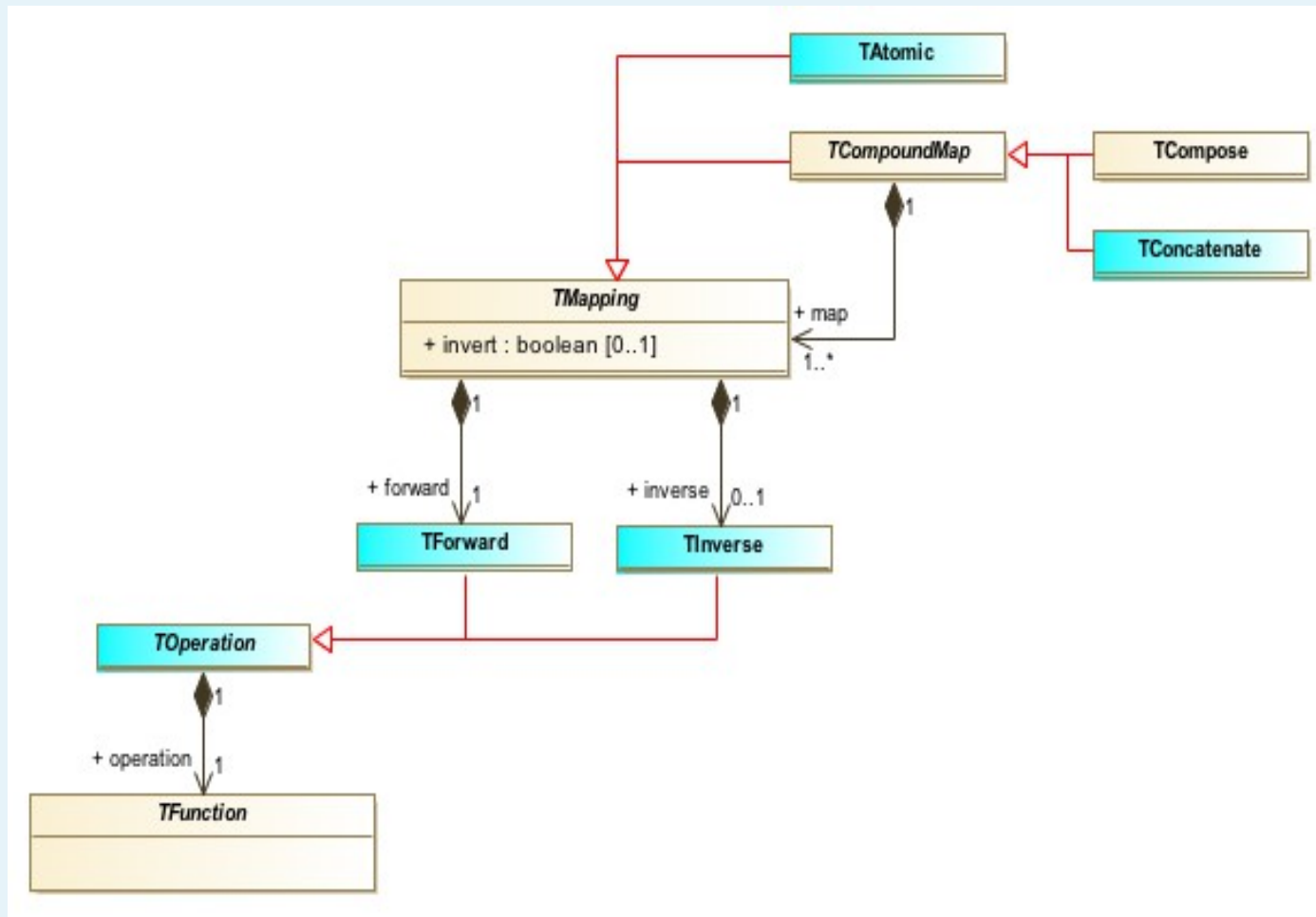
Formed group to exercise the model in real world application.

David Berry	JCMT/EAO	AST Library
Steven Crawford	StSci	AstroPy
Mark Cressitello-Dittmar	SAO/CXC	Data model
Nadia Dencheva	StSci/JWST	GWCS package
Perry Greenfield	StSci	GWCS package
Tim Jenness	AURA/LSST	User
Omar Laurino	SAO/CXC	Mapping
Stuart Mumford	CADAIR	SunPy
Erik Tollerud	StSci	

Transform

- Operations: Good compatibility
 - Needed more modularity with Projection + Rotation portions of supporting WCS paper II
 - Added Euler rotation
 - Refined detail (e.g. Lookup.interpolation)
- Workflow: Lacking
 - Combining in Parallel as well as Series
 - Manipulation of 'axes' between steps (Permute)
 - Explicit control of forward and inverse specs

Transform



Transform

WD delivered to working group (Apr. 23, 2019)

Supporting items

- Validated vo-dml/xml
- HTML documentation
- Schema file (.xsd)
- Example serializations
 - In progress

Assessments

- See: Francois Bonnarel's talk from College Park and next

Measurements

Reviewed with TDIG for application in time series extension.

WD delivered to working group (May 01, 2019)

- Added detailed requirements list
- Cut some structural levels of abstraction.
 - A little less explicit; cut ~12 objects
- Restored Velocity, added a ProperMotion

Supporting items

- Validated vo-dml/xml and html documentation
- Schema file (.xsd)
- Example serializations
 - In progress

Ready for PR/RFC?

	Coords	Meas	Trans	
• WG Consensus				
• VO-DML Validation				
• Test examples				
• Use case examples				
• Interpretation demo				

Ready for PR/RFC?

	Coords	Meas	Trans
• WG Consensus	<input checked="" type="checkbox"/>	?	<input checked="" type="checkbox"/>
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• Use case examples	<input checked="" type="checkbox"/>		
• Interpretation demo	<input checked="" type="checkbox"/>		



Time Series
Source Properties

