### NDCube model status

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### Model updates

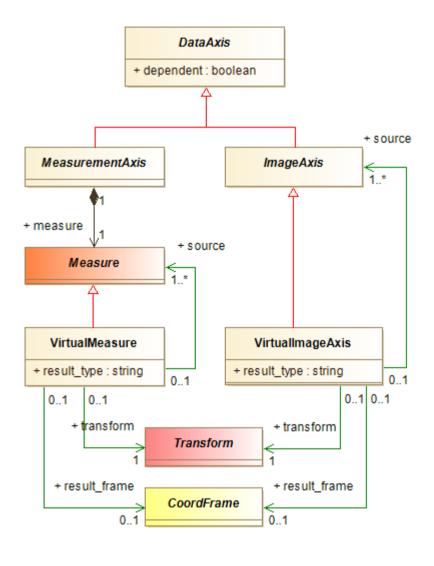
- Relation between DataProduct and Dataset
  - Added back in as reference from DP → DS
- Exercising model using TimeSeries cases
  - Adjusted some DataAxis relations
- Removed extranious abstract classes
  - DataElement, PointDataProduct,
    PixelatedDataProduct
- Added concept of Virtual Objects
  - Objects defined by applying Transforms

## Virtual Objects

- To date, we have had Transform as relation between Frames
  - But have had no real connection to the objects that are created using them.
    - eqpos(ra,dec) = TProject( sky(x,y) )
    - Physical image coordinates
- So added concepts of
  - VirtualMeasure
  - VirtualImageAxis

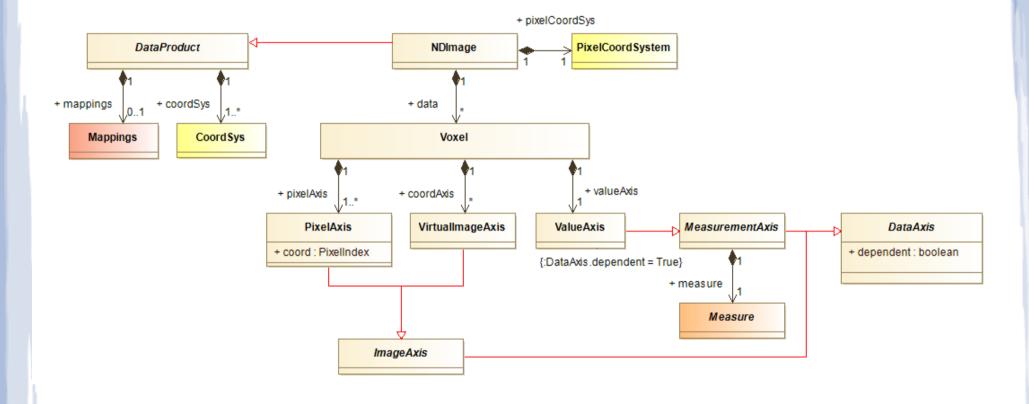


#### Cube model UML





#### Cube model UML





#### Comments

- All updated and available in volute
  - Model, docs, examples
- Will update ivoa repository versions

- Please exercise these models
  - Especially image data, these are least vetted
    - Can you find all information to reconstruct the full image?



# Going forward

- Model satisfies current requirements
- Future changes will be experience driven
- Ready to move forward, pending lien on Coordinate and Measurement models

Will continue to explore TimeDomain cases

