

Values Must Be Documented



- Columns (not varying from row to row) with user-understandable names
- Short descriptions
- References to longer descriptions/algorithms/DPDD/"help text"
- Units
- UCDs
- Relationships (RA to dec, both to errors)
- More?

(Also, need a single reference position for an object, not one per filter)

Metadata Propagation



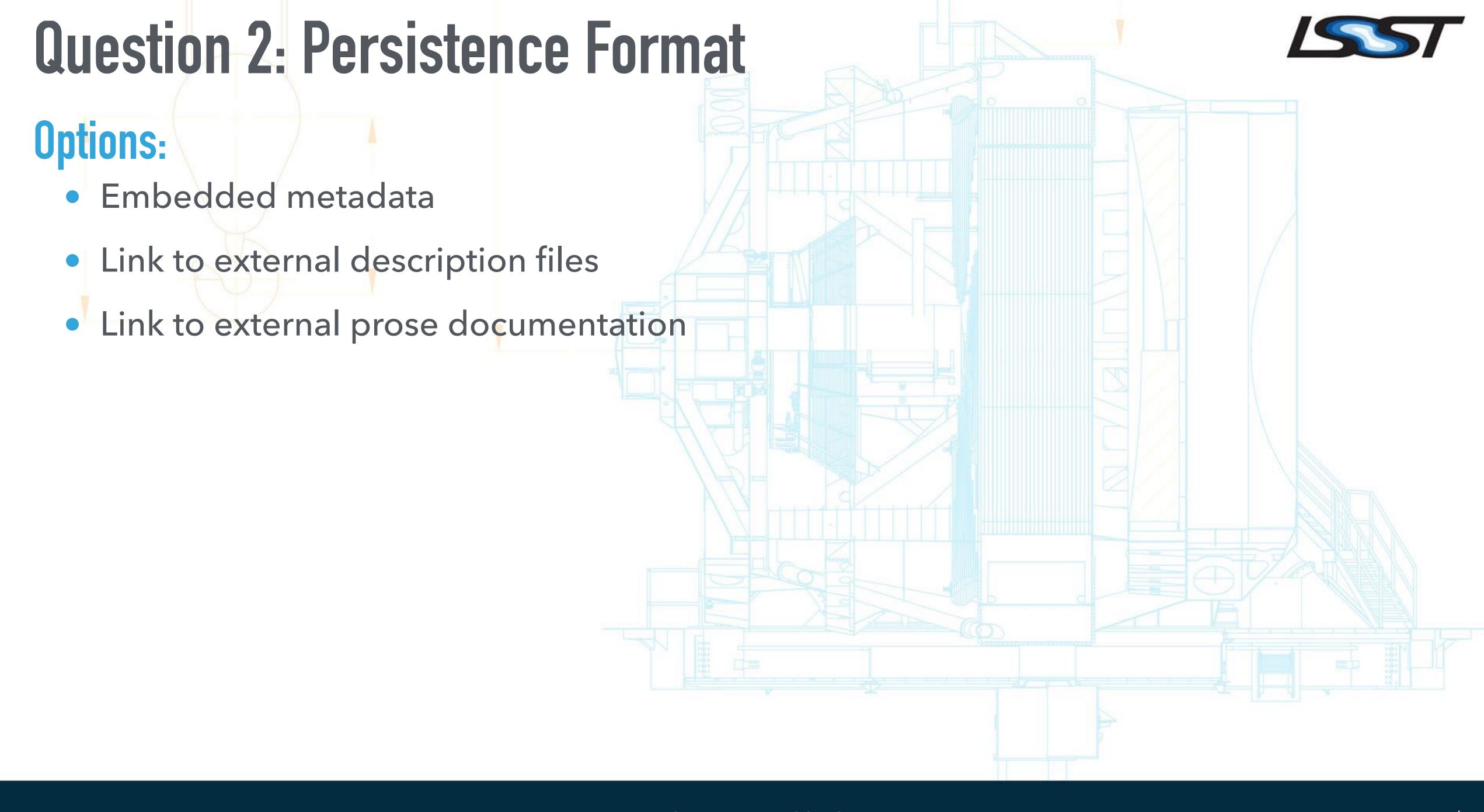
- Metadata goes from pipeline outputs to database tables during ingest
- Metadata goes from database tables to VO clients by TAP query of meta-tables
- Metadata is also packaged with query results by the TAP server
 - Metadata for derived columns is much more limited

Question 1: Metadata Definition



Options:

- Capture metadata at point in code where column is created
- Allow columns to be created without metadata but require external metadata



Question 3: Database Ingest Options: Load metadata once Load metadata once, check against inputs Load metadata with each input

Image Metadata



- DPDD specifies very little; no explicit tables
- Need data model (CAOM agreed, but not formally RFCed; ObsCore also for SIA)
- Instead, ExposureInfo and VisitInfo have been evolving independently
- Neither are ordinarily ingested into table in nominal schema
- WCS, PSF, and calibration information are needed too
- Interactions with the Gen2/Gen3 Butler Registry tables

DMTN-067: Catalog Data Model



- Written to capture agreements at the end of the LSP Workshop in December 2017
- Virtually no movement has occurred
- Need to turn statements into activities

DMTN-067 Catalog Meta-Tables

Activities:

- Generate meta-tables for pipeline outputs
- Add UCDs and relationships to Isst.afw.table schema interface
- Audit column metadata
- Load CI run catalogs and meta-tables into SQLite database

DMTN-067 DPDD Catalogs

Activities:

- Generate YAML files for DPDD-required outputs
- Generate DPDD tables from YAML files
- Begin testing pipeline outputs against YAML files (which will fail)
- Create verification task to ensure persisted format for each DPDD output

