APDB record versioning

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We've interpreted reproducability as requiring us to version DIAObject records in the APDB.

DIAObjects represent one static astrophysical entity, but in AP the calculations are based on a rolling 12 month history.

We (=AP/ARCH/KT) have interpreted reproducability as requiring us to preserve the DIAObject records when they are superseded by new versions.

This is managed in practice with two columns, "validityStart" and "validityEnd"
- former provides the processing time* the record is created
- latter is NULL when the record is current, and takes the validityStart when the next DIAObject version is created.

It may be important to version all APDB records, though.

Discussion on potential AP failure modes in DM-36792 highlighted cases where we may wish (or need) to remove or replace other APDB records (e.g., DIASources), such as:

- a bad processing run generates many, many artifact DIASources--we fix the problem and want to replace the bad records
  (don't want 12 months of forced photometry records on junk...)
- pipeline breakage prevents all expected DB records from being produced, and we need to clean it up in daytime reprocessing

SSP records (esp. MPCORB) should also be version

Proposal: add validityStart/End for all APDB tables.
Most will still only have single versions. Slight increase in query complexity.

Can we (finally) get the schemas out of the DPDD?

Project-level change-control required for updates to primary tables
- (some may see this as a feature!)
- though validityStart/End even for DIAObjects is not in the DPDD...

RFC-807 made a bunch of changes to DRP schemas for DP0.2 (without an LCR!) Preparing to make AP tables consistent--but we have integrate against the baseline schema

SDM Schema Browser is now functional: can we now LCR these out of the DPDD, instead of continuing to do one-off, slow updates?