STIS Pixel History Database
Tracking Lifetime Pixel Behavior for the HST/STIS CCD

Target
Hubble Space Telescope/Space Telescope Imaging Spectrograph (HST/STIS)

Advantages
- ❖ Able to quickly retrieve pixel specific properties from a given time period (separated by anneals)
- ❖ Python package interface that allows for integration into existing STIS monitoring and reference file infrastructure

Limitations
- ❖ For internal institute use only, not available to general STIS users
- ❖ Limited to STIS CCD currently, potential to expand to other detectors and instruments

Implemented Functions
- ❖ Queries: Pixel queries (individually or by region), anneal queries, dark file queries, custom SQL query support
- ❖ Insertion: Setup functions for database initialization, insertion script that loads in all needed information for a given anneal period.

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