HETDEX PUBLIC DATA RELEASE DATA MODEL

DATAPATH Parent directory paths are system dependent
On TACC JupyterHub (https://jupyter.tacc.cloud/): /home/jovyan/Hobby-Eberly-Public/HETDEX/
Use of hetdex-api will find data path automatically

pdr1/
- **ifu-info.fits/h5/txt**
- **catalogs/**
  - **elixer/**
- **datacubes/**
  - **20170103002/**
  - **20240731008/**
  - **20240731009/**
- **Notebooks/**
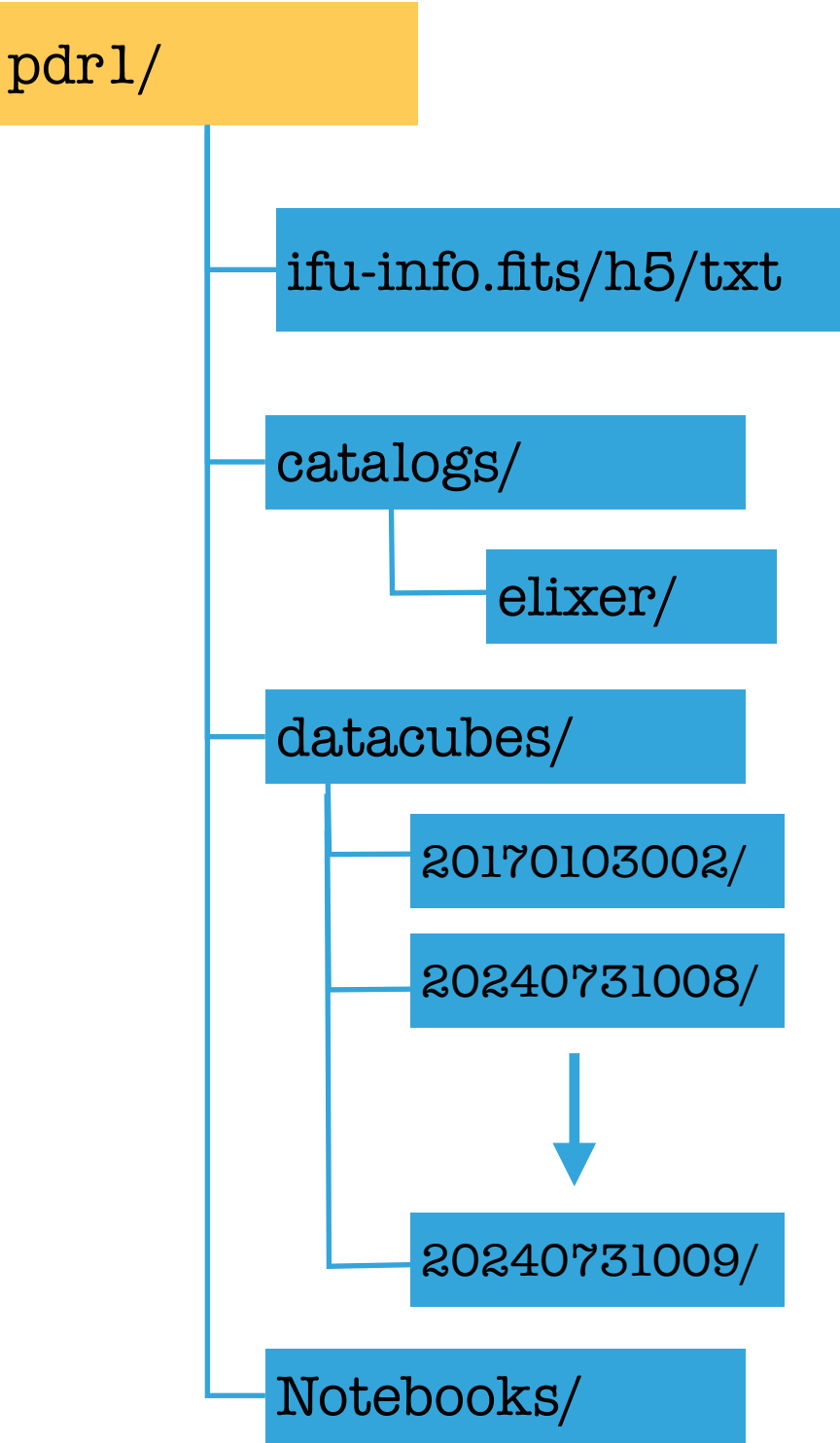
Data Files	Data Description	Size
ifu-info.fits/h5/txt	Master manifest table containing metadata and quality assurance information for all IFU observations	<100 MB each
hetdex_sc2_v1.0.ecsv hetdex_sc2_v1.0.dat hetdex_sc2_spec_v1.0.fits	Catalog Data Products Includes source spectra for all cataloged sources	10 Gb
elixer_reports_30000.db elixer_reports_30001.db … elixer_reports_30902.db	Elixer Report Database for all sources in HETDEX Public Source Catalog 2	1.5 Tb
20240731009/ • dex_cube_20240731009_014.fits • dex_cube_20240731009_015.fits … • dex_cube_20240731009_105.fits • dex_cube_20240731009_106.fits	Each IFU datacube is named as dex_cube_<SHOTID>_<IFUSLOT>.fits where SHOTID corresponds to the observation and IFUSLOT is the unique IFU identifier. Each cubes consist of a Primary HDU and three ImageHDUs: DATA, ERROR, MASK Dimension is 1036 x 104 x 104 Wavelength Range = 3470Å-5540Å Spatials resolution = 0.5" Spectral resolution = 2 Å	Each dex_cube is 27.7 MB Total = 13 Tb 6782 Shotids 431K IFU FITS FILES
TBD notebook names	Collection of Jupyter notebooks providing data access tutorials and analysis examples	