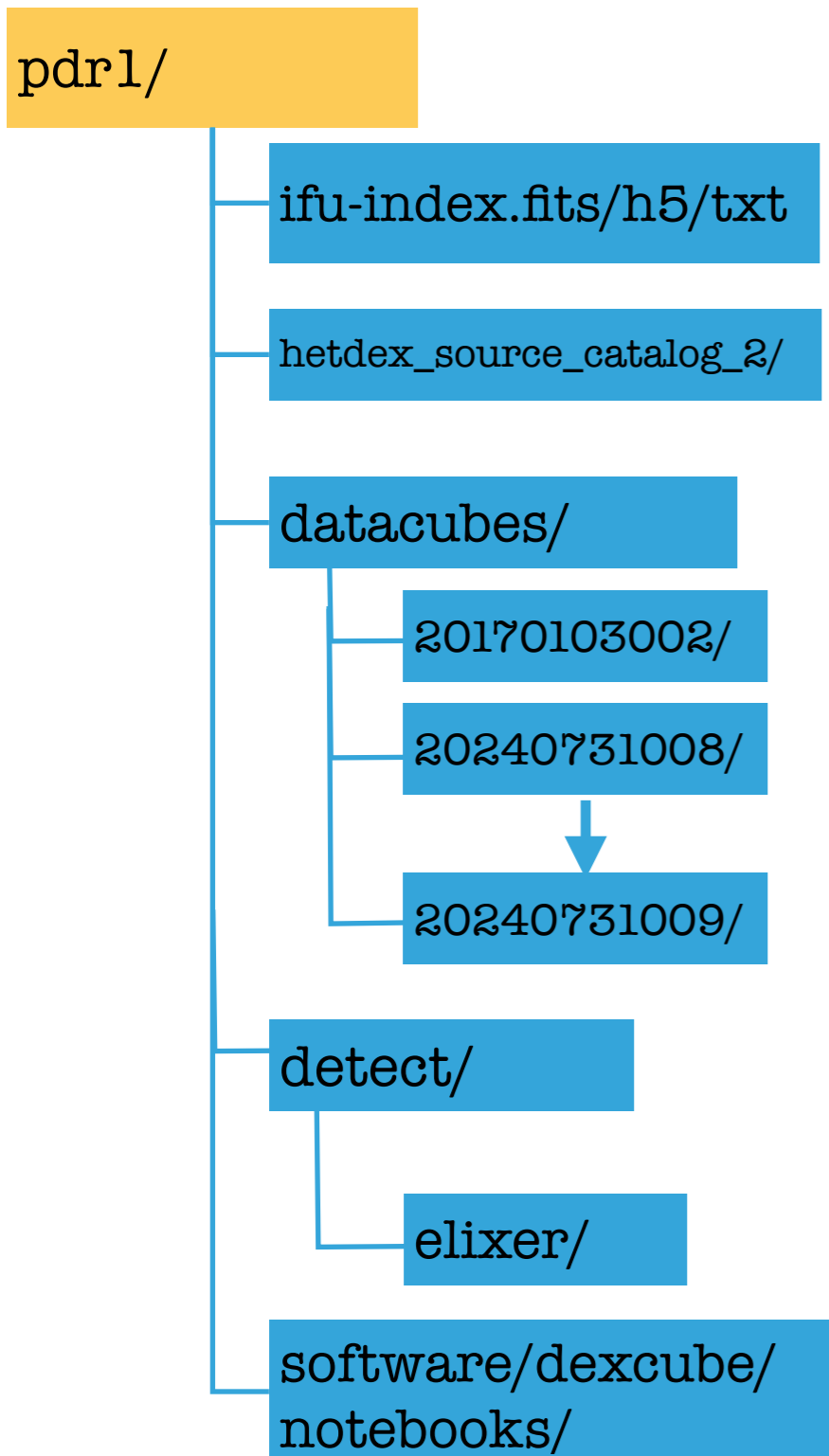


HETDEX PUBLIC DATA RELEASE DATA MODEL

DATAPATH On TACC JupyterHub (<https://jupyter.tacc.cloud/>): /home/jovyan/Hobby-Eberly-Public/HETDEX/pdr/
 Remote users using the Docker Container Environment: /home/jovyan/work/



Data Files	Data Description	Size
ifu-info.fits/h5/txt	Master manifest table containing metadata and quality assurance information for all IFU observations	<200 Mb
hetdex_sc2_v1.2.fits/.dat hetdex_sc2_spec_v1.2.fits hetdex_sc2_detinfo_v1.2.fits/.dat	The main HPSC2 catalog contains one source observation per row. *spec* file Includes source spectra for main HPSC2 The supplemental DETINFO catalog contains all detections and low confidence LAE detections.	11 Gb
20170103002/ ... 20240731008/ 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 cube consists of a Primary HDU and three ImageHDUs: DATA, ERROR, MASK Dimensions are 1036 x 104 x 104 Wavelength Range = 3470Å-5540Å Spatial resolution = 0.5"	Each dex_cube is ~19 MB Total = 7.4 Tb 6778 Shotids 431K IFU FITS FILES
detect_index_hdr5.h5 detect_hdrX.h5 cont_hdrX.h5	Internal pipeline raw detections. The detection index H5 contains basic info for all HETDEX detections. Detailed detection info, spectra and fiber info in other H5 files.	1.7 Tb
30000/30000000068.jpg ... 50900/	Elixer Report Database for all detections in full HPSC2 main and supplemental catalogs	~150 Kb each, 587 Gb total
01-DataModel+IFU-Index.ipynb 02-DownloadingCubes.ipynb ...	Collection of Jupyter notebooks providing data access tutorials and analysis examples	< 100 Mb