input_catalog

name	type	primary_key	autoincrement	comment
input_catalog_id	INTEGER	True	False	Unique identifier for input catalogs
input_catalog_name	VARCHAR	False	False	Name of the input catalog (e.g., Gaia DR2, HSC-SSP PDR3, etc.)
input_catalog_description	VARCHAR	False	False	Description of the input catalog
created_at	DATETIME	False	False	
updated_at	DATETIME	False	False	

proposal_category

name	type	primary_key	autoincrement	comment
proposal_category_id	INTEGER	True	False	Unique identifier of proposal category
proposal_category_name	VARCHAR	False	False	Proposal category name (e.g., Openuse, Keck, Gemini, and UH)
proposal_category_description	VARCHAR	False	False	Proposal category description (e.g., Openuse, Time exchange, etc.
created_at	DATETIME	False	False	Creation time
updated_at	DATETIME	False	False	Update time

target_type

name	type	primary_key	autoincrement	comment
target_type_id	INTEGER	True	False	Unique identifier for target types
target_type_name	VARCHAR	False	False	Name for the target type.

target_type_description	VARCHAR	False	False	Description of the target type
created_at	DATETIME	False	False	
updated_at	DATETIME	False	False	

fluxstd

name	type	primary_key	autoincrement	comment
fluxstd_id	BIGINT	True	True	Unique identifier for each flux standard star
obj_id	BIGINT	False	False	Object ID from the catalog from which the object is extracted
ra	FLOAT	False	False	RA (ICRS, degree)
dec	FLOAT	False	False	Dec (ICRS, degree)
epoch	VARCHAR	False	False	Epoch (e.g., J2000.0, J2015.5, etc.)
tract	INTEGER	False	False	same definition as HSC-SSP?; can be derived from the coordinate
patch	INTEGER	False	False	same definition as HSC-SSP?; can be derived from the coordinate; Note that it's defined as an integer
target_type_id	INTEGER	False	False	target_type_id must be 3 for FLUXSTD
input_catalog_id	INTEGER	False	False	Input catalog ID from the input_catalog table
psf_mag_g	FLOAT	False	False	g-band PSF magnitude (AB mag)
psf_mag_r	FLOAT	False	False	r-band PSF magnitude (AB mag)
psf_mag_i	FLOAT	False	False	i-band PSF magnitude (AB mag)
psf_mag_z	FLOAT	False	False	z-band PSF magnitude (AB mag)
psf_mag_y	FLOAT	False	False	y-band PSF magnitude (AB mag)
psf_mag_j	FLOAT	False	False	J band PSF magnitude (AB

				mag)
psf_flux_g	FLOAT	False	False	g-band PSF flux (nJy)
psf_flux_r	FLOAT	False	False	r-band PSF flux (nJy)
psf_flux_i	FLOAT	False	False	i-band PSF flux (nJy)
psf_flux_z	FLOAT	False	False	z-band PSF flux (nJy)
psf_flux_y	FLOAT	False	False	y-band PSF flux (nJy)
psf_flux_j	FLOAT	False	False	J band PSF flux (nJy)
prob_f_star	FLOAT	False	False	Probability to be a F-star
created_at	DATETIME	False	False	
updated_at	DATETIME	False	False	

proposal

name	type	primary_key	autoincrement	comment
proposal_id	VARCHAR	True	False	Unique identifier for proposal (e.g, S21B-OT06?)
group_id	VARCHAR	False	False	Group ID in STARS (e.g., o21195?)
pi_first_name	VARCHAR	False	False	PI's first name
pi_last_name	VARCHAR	False	False	PI's last name
pi_middle_name	VARCHAR	False	False	PI's middle name
rank	FLOAT	False	False	TAC score
grade	VARCHAR	False	False	TAC grade (A/B/C/F in the case of HSC queue)
allocated_time	FLOAT	False	False	Total fiberhours allocated by TAC (hour)
proposal_category_id	INTEGER	False	False	
created_at	DATETIME	False	False	Creation time [YYYY-MM-DDThh:mm:ss] (UTC or HST?)
updated_at	DATETIME	False	False	Update time [YYYY-MM-DDThh:mm:ss] (UTC or HST?)

target

name	type	primary_key	autoincrement	comment
target_id	BIGINT	True	True	Unique identifier for each target
proposal_id	VARCHAR	False	False	
obj_id	BIGINT	False	False	Object ID as specified by the observer at Phase 2 (can be same as the input_catalog_object_id)
ra	FLOAT	False	False	RA (ICRS, degree)
dec	FLOAT	False	False	Dec (ICRS, degree)
epoch	VARCHAR	False	False	Epoch
tract	INTEGER	False	False	same definition as HSC-SSP?; can be derived from the coordinate
patch	INTEGER	False	False	same definition as HSC-SSP?; can be derived from the coordinate; Note that it's defined as an integer
target_type_id	INTEGER	False	False	
input_catalog_id	INTEGER	False	False	Input catalog ID from the input_catalog table
fiber_mag_g	FLOAT	False	False	g-band magnitude within a fiber (AB mag)
fiber_mag_r	FLOAT	False	False	r-band magnitude within a fiber (AB mag)
fiber_mag_i	FLOAT	False	False	i-band magnitude within a fiber (AB mag)
fiber_mag_z	FLOAT	False	False	z-band magnitude within a fiber (AB mag)
fiber_mag_y	FLOAT	False	False	y-band magnitude within a fiber (AB mag)
fiber_mag_j	FLOAT	False	False	J band magnitude within a fiber (AB mag)
psf_mag_g	FLOAT	False	False	g-band PSF magnitude (AB mag)
psf_mag_r	FLOAT	False	False	r-band PSF magnitude (AB mag)
psf_mag_i	FLOAT	False	False	i-band PSF magnitude

				(AB mag)
psf_mag_z	FLOAT	False	False	z-band PSF magnitude (AB mag)
psf_mag_y	FLOAT	False	False	y-band PSF magnitude (AB mag)
psf_mag_j	FLOAT	False	False	J band PSF magnitude (AB mag)
psf_flux_g	FLOAT	False	False	g-band PSF flux (nJy)
psf_flux_r	FLOAT	False	False	r-band PSF flux (nJy)
psf_flux_i	FLOAT	False	False	i-band PSF flux (nJy)
psf_flux_z	FLOAT	False	False	z-band PSF flux (nJy)
psf_flux_y	FLOAT	False	False	y-band PSF flux (nJy)
psf_flux_j	FLOAT	False	False	J band PSF flux (nJy)
priority	FLOAT	False	False	Priority of the target specified by the observer within the proposal
effective_exptime	FLOAT	False	False	Requested effective exposure time (s)
is_medium_resolution	BOOLEAN	False	False	True if the medium resolution mode is requested
qa_relative_throughput	FLOAT	False	False	Relative throughput to the reference value requested by the observer
qa_relative_noise	FLOAT	False	False	Relative noise to the reference value requested by the observer
qa_reference_lambda	FLOAT	False	False	Reference wavelength to evaluate effective exposure time (angstrom or nm?)
created_at	DATETIME	False	False	
updated_at	DATETIME	False	False	