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	

unique_object

name	type	primary_key	autoincrement	comment
unique_object_id	BIGINT	True	True	Unique unique_object identifier
ra	FLOAT	False	False	ICRS (degree)
dec	FLOAT	False	False	ICRS (degree)
epoch	VARCHAR	False	False	Reference epoch, e.g., J2000.0, J2015.5, etc.
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
unique_object_id	BIGINT	False	False	
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)
user_ra	FLOAT	False	False	Original RA submitted by the observer at Phase 2 (ICRS, degree)
user_dec	FLOAT	False	False	Original Dec submitted by the observer at Phase 2 (ICRS, degree)
user_epoch	VARCHAR	False	False	Origina Epoch submitted by the observer at Phase 2
match_distance	FLOAT	False	False	Distance between the matched unique_object and the original coordinate (arcsec)
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
input_catalog_obj_id	BIGINT	False	False	Object ID in the specified input catalog
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)
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	