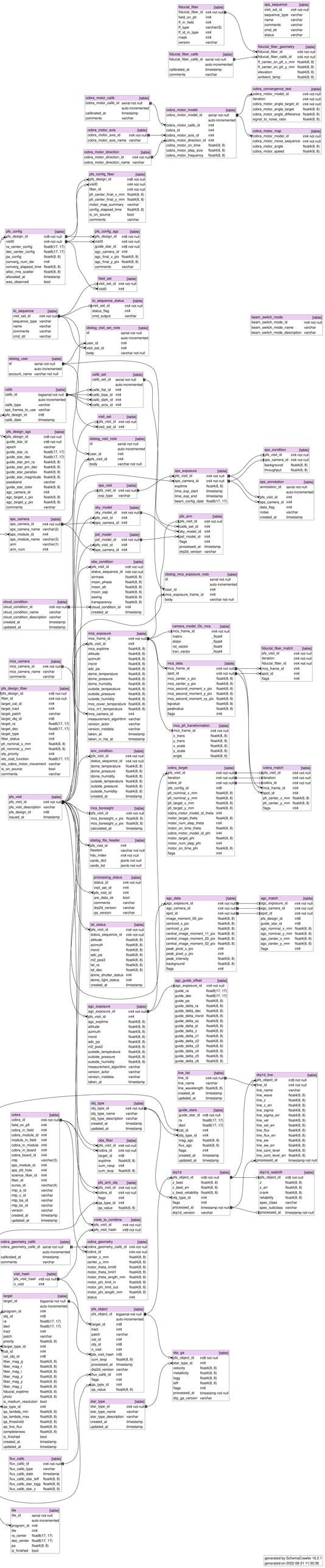
fiducial_fiber [table]
fiducial_fiber_id int4 not null
field_on_pfi int4
ff_in_field int4
ff_type varchar(5)
ff_id_in_type int4
mask int4
version varchar
sps_sequence [table]
visit_set_id int4 not null
sequence_type varchar
name varchar
comments varchar
cmd_str varchar
status varchar
fiducial_fiber_geometry [table]
fiducial_fiber_id int4 not null
fiducial_fiber_calib_id int4 not null
ff_center_on_pfi_x_mm float4(8, 8)
ff_center_on_pfi_y_mm float4(8, 8)
elevation float4(8, 8)
ambient_temp float4(8, 8)
fiducial_fiber_calib [table]
fiducial_fiber_calib_id serial not null
auto-incremented
calibrated_at timestamp
comments varchar
cobra_convergence_test [table]
cobra_motor_model_id int4 not null
iteration int4 not null
cobra_motor_angle_target_id int4 not null
cobra_motor_angle_target float4(8, 8)
cobra_motor_angle_difference float4(8, 8)
signal_to_noise_ratio float4(8, 8)
cobra_motor_model [table]
cobra_motor_model_id serial not null
auto-incremented
cobra_motor_calib_id int4
cobra_id int4
cobra_motor_axis_id int4
cobra_motor_direction_id int4
cobra_motor_on_time float4(9, 8)
cobra_motor_step_size float4(8, 8)
cobra_motor_frequency float4(8, 8)
cobra_motor_map [table]
cobra_motor_model_id int4 not null
cobra_motor_move_sequence int4 not null
cobra_motor_angle float4(8, 8)
cobra_motor_speed float4(8, 8)
cobra_motor_calib [table]
cobra_motor_calib_id serial not null
auto-incremented
calibrated_at timestamp
comments varchar
cobra_motor_axis [table]
cobra_motor_axis_id int4 not null
cobra_motor_axis_name varchar
cobra_motor_direction [table]
cobra_motor_direction_id int4 not null
cobra_motor_direction_name varchar
pfs_config_fiber [table]
pfs_design_id int8 not null
visit0 int4 not null
fiber_id int4 not null
pfi_center_final_x_mm float4(8, 8)
pfi_center_final_y_mm float4(8, 8)
motor_map_summary varchar
config_elapsed_time float4(8, 8)
is_on_source bool
comments varchar
pfs_config [table]
pfs_design_id int8 not null
visit0 int4 not null
ra_center_config float8(17, 17)
dec_center_config float8(17, 17)
pa_config float4(8, 8)
converg_num_iter int4
converg_elapsed_time float4(8, 8)
altoc_rms_scatter float4(8, 8)
allocated_at timestamp
was_observed bool
pfs_config_agc [table]
pfs_design_id int8 not null
visit0 int4 not null
guide_star_id int8 not null
agc_camera_id int4
agc_final_x_pix float4(8, 8)
agc_final_y_pix float4(8, 8)
comments varchar
field_set [table]
visit_set_id int4 not null
visit0 int4
iic_sequence_status [table]
visit_set_id int4 not null
status_flag int4
cmd_output varchar
iic_sequence [table]
visit_set_id int4 not null
sequence_type varchar
name varchar
comments varchar
cmd_str varchar
obslog_visit_set_note [table]
id serial not null
auto-incremented
visit_set_id int4
body varchar not null
obslog_user [table]
id serial not null
auto-incremented
account_name varchar not null
beam_switch_mode [table]
beam_switch_mode_id int4 not null
beam_switch_mode_name varchar
beam_switch_mode_description varchar
calib_set [table]
calib_set_id serial not null
auto-incremented
calib_flat_id int4
calib_bias_id int4
calib_dark_id int4
calib_arcs_id int4
calib [table]
calib_id bigserial not null
auto-incremented
calib_type varchar
sps_frames_to_use varchar
pfs_design_id int8
calib_date timestamp
visit_set [table]
pfs_visit_id int4 not null
visit_set_id int4
pfs_design [table]
pfs_design_id int8 not null
design_name varchar
tile_id int4
ra_center_designed float8(17, 17)
dec_center_designed float8(17, 17)
pa_designed float4(8, 8)
num_sci_designed int4
num_cal_designed int4
num_sky_designed int4
num_guide_stars int4
exptime_tot float4(8, 8)
exptime_min float4(8, 8)
ets_version varchar
ets_assigner varchar
designed_at timestamp
to_be_observed_at timestamp
is_obsolete bool
pfs_design_agc [table]
pfs_design_id int8 not null
guide_star_id int8 not null
epoch varchar
guide_star_ra float8(17, 17)
guide_star_dec float8(17, 17)
guide_star_pm_ra float4(8, 8)
guide_star_pm_dec float4(8, 8)
guide_star_parallax float4(8, 8)
guide_star_magnitude float4(8, 8)
passband varchar
guide_star_color float4(8, 8)
agc_camera_id int4
agc_target_x_pix float4(8, 8)
agc_target_y_pix float4(8, 8)
comments varchar
obslog_visit_note [table]
id serial not null
auto-incremented
user_id int4
visit_set_id int4
body varchar not null
sps_exposure [table]
pfs_visit_id int4 not null
sps_camera_id int4 not null
exptime float4(8, 8)
time_exp_start timestamp
time_exp_end timestamp
beam_config_date float8(17, 17)
sps_condition [table]
pfs_visit_id int4 not null
sps_camera_id int4 not null
background float4(8, 8)
throughput float4(8, 8)
sps_annotation [table]
annotation_id serial not null
auto-incremented
pfs_visit_id int4
sps_camera_id int4
data_flag int4
notes varchar
created_at timestamp
sps_module [table]
sps_module_id int4 not null
description varchar
sps_camera [table]
sps_camera_id int4 not null
sps_camera_name varchar(2)
sps_module_id int4
sps_module_name varchar(3)
arm varchar(1)
arm_num int4
sps_visit [table]
pfs_visit_id int4 not null
exp_type varchar
sky_model [table]
sky_model_id int4 not null
pfs_visit_id int4
sps_camera_id int4
psf_model [table]
psf_model_id int4 not null
pfs_visit_id int4
sps_camera_id int4
pfs_arm [table]
pfs_visit_id int4 not null
pfs_calib_set_id int4
sky_model_id int4
psf_model_id int4
flags int4
processed_at timestamp
drp2d_version varchar
obs_condition [table]
pfs_visit_id int4 not null
status_sequence_id int4 not null
airmass float4(8, 8)
moon_phase float4(8, 8)
moon_alt float4(8, 8)
moon_sep float4(8, 8)
seeing float4(8, 8)
transparency float4(8, 8)
cloud_condition_id int4
created_at timestamp
obslog_mcs_exposure_note [table]
id serial not null
auto-incremented
user_id int4
mcs_exposure_frame_id int4
body varchar not null
cloud_condition [table]
cloud_condition_id int4 not null
cloud_condition_name varchar
cloud_condition_description varchar
created_at timestamp
updated_at timestamp
mcs_exposure [table]
mcs_frame_id int4 not null
pfs_visit_id int4
mcs_exptime float4(8, 8)
altitude float4(8, 8)
azimuth float4(8, 8)
insrot float4(8, 8)
adc_pa float4(8, 8)
dome_temperature float4(8, 8)
dome_pressure float4(8, 8)
dome_humidity float4(8, 8)
outside_temperature float4(8, 8)
outside_pressure float4(8, 8)
outside_humidity float4(8, 8)
mcs_cover_temperature float4(8, 8)
mcs_m1_temperature float4(8, 8)
mcs_camera_id int4
measurement_algorithm varchar
version_actor varchar
version_instdata varchar
taken_at timestamp
taken_in_hst_at timestamp
camera_model_f3c_mcs [table]
mcs_frame_id int4 not null
_matrix _float4
distor _float4
int_vector _float4
tran_vector _float4
mcs_camera [table]
mcs_camera_id int4 not null
mcs_camera_name varchar
comments varchar
mcs_data [table]
mcs_frame_id int4 not null
spot_id int4 not null
mcs_center_x_pix float4(8, 8)
mcs_center_y_pix float4(8, 8)
mcs_second_moment_x_pix float4(8, 8)
mcs_second_moment_y_pix float4(8, 8)
mcs_second_moment_xy_pix float4(8, 8)
bgvalue float4(8, 8)
peakvalue float4(8, 8)
flags int4
fiducial_fiber_match [table]
pfs_visit_id int4 not null
iteration int4 not null
fiducial_fiber_id int4 not null
mcs_frame_id int4
spot_id int4
flags int4
mcs_pfi_transformation [table]
mcs_frame_id int4 not null
x_trans float4(8, 8)
y_trans float4(8, 8)
x_scale float4(8, 8)
y_scale float4(8, 8)
angle float4(8, 8)
pfs_design_fiber [table]
pfs_design_id int8 not null
fiber_id int4 not null
target_cat_id int4
target_tract int4
target_patch varchar
target_obj_id int8
target_ra float8(17, 17)
target_dec float8(17, 17)
target_type int4
fiber_status int4
pfi_nominal_x_mm float4(8, 8)
pfi_nominal_y_mm float4(8, 8)
ets_priority int4
ets_cost_function float8(17, 17)
ets_cobra_motor_movement varchar
is_on_source bool
comments varchar
cobra_target [table]
pfs_visit_id int4 not null
iteration int4 not null
cobra_id int4 not null
pfs_config_id int8
pfi_nominal_x_mm float4(8, 8)
pfi_nominal_y_mm float4(8, 8)
pfi_target_x_mm float4(8, 8)
pfi_target_y_mm float4(8, 8)
cobra_motor_model_id_theta int4
motor_target_theta float4(8, 8)
motor_num_step_theta int4
motor_on_time_theta float4(8, 8)
cobra_motor_model_id_phi int4
motor_target_phi float4(8, 8)
motor_num_step_phi int4
motor_on_time_phi float4(8, 8)
flags int4
cobra_match [table]
pfs_visit_id int4 not null
iteration int4 not null
cobra_id int4 not null
mcs_frame_id int4
spot_id int4
pfi_center_x_mm float4(8, 8)
pfi_center_y_mm float4(8, 8)
flags int4
pfs_visit [table]
pfs_visit_id int4 not null
pfs_visit_description varchar
pfs_design_id int8
issued_at timestamp
mcs_boresight [table]
pfs_visit_id int4 not null
mcs_boresight_x_pix float4(8, 8)
mcs_boresight_y_pix float4(8, 8)
calculated_at timestamp
agc_exposure [table]
agc_exposure_id int4 not null
pfs_visit_id int4
agc_exptime float4(8, 8)
altitude float4(8, 8)
azimuth float4(8, 8)
insrot float4(8, 8)
adc_pa float4(8, 8)
m2_pos3 float4(8, 8)
outside_temperature float4(8, 8)
outside_pressure float4(8, 8)
outside_humidity float4(8, 8)
measurement_algorithm varchar
version_actor varchar
version_instdata varchar
taken_at timestamp
agc_data [table]
agc_exposure_id int4 not null
agc_camera_id int4 not null
spot_id int4 not null
image_moment_00_pix float4(8, 8)
centroid_x_pix float4(8, 8)
centroid_y_pix float4(8, 8)
central_image_moment_11_pix float4(8, 8)
central_image_moment_20_pix float4(8, 8)
central_image_moment_02_pix float4(8, 8)
peak_pixel_x_pix int4
peak_pixel_y_pix int4
peak_intensity float4(8, 8)
background float4(8, 8)
flags int4
agc_match [table]
agc_exposure_id int4 not null
agc_camera_id int4 not null
spot_id int4 not null
pfs_design_id int8
guide_star_id int8
agc_nominal_x_mm float4(8, 8)
agc_nominal_y_mm float4(8, 8)
agc_center_x_mm float4(8, 8)
agc_center_y_mm float4(8, 8)
flags int4
tel_status [table]
pfs_visit_id int4 not null
status_sequence_id int4 not null
altitude float4(8, 8)
azimuth float4(8, 8)
insrot float4(8, 8)
adc_pa float4(8, 8)
m2_pos3 float4(8, 8)
tel_ra float4(8, 8)
tel_dec float4(8, 8)
dome_shutter_status int4
dome_light_status int4
created_at timestamp
agc_guide_offset [table]
agc_exposure_id int4 not null
guide_ra float8(17, 17)
guide_dec float8(17, 17)
guide_pa float4(8, 8)
guide_delta_ra float4(8, 8)
guide_delta_dec float4(8, 8)
guide_delta_insrot float4(8, 8)
guide_delta_az float4(8, 8)
guide_delta_el float4(8, 8)
guide_delta_z float4(8, 8)
guide_delta_z1 float4(8, 8)
guide_delta_z2 float4(8, 8)
guide_delta_z3 float4(8, 8)
guide_delta_z4 float4(8, 8)
guide_delta_z5 float4(8, 8)
guide_delta_z6 float4(8, 8)
obslog_fits_header [table]
pfs_visit_id int4
filestem varchar not null
hdu_index int4 not null
cards_dict jsonb not null
cards_list jsonb not null
processing_status [table]
status_id int4 not null
visit_set_id int4
pfs_visit_id int4
are_data_ok bool
comments varchar
drp2d_version varchar
qa_version varchar
line_list [table]
line_id int4 not null
line_name varchar
line_wavelength float4(8, 8)
created_at timestamp
updated_at timestamp
drp1d_line [table]
pfs_object_id int8 not null
line_id int4 not null
line_name varchar
line_wave float4(8, 8)
line_z float4(8, 8)
line_z_err float4(8, 8)
line_sigma float4(8, 8)
line_sigma_err float4(8, 8)
line_vel float4(8, 8)
line_vel_err float4(8, 8)
line_flux float4(8, 8)
line_flux_err float4(8, 8)
line_ew float4(8, 8)
line_ew_err float4(8, 8)
line_cont_level float4(8, 8)
line_cont_level_err float4(8, 8)
processed_at timestamp not null
obj_type [table]
obj_type_id int4 not null
obj_type_name varchar
obj_type_description varchar
created_at timestamp
updated_at timestamp
guide_stars [table]
guide_star_id int8 not null
ra float8(17, 17)
decl float8(17, 17)
cat_id int4
obj_type_id int4
mag_agc float4(8, 8)
flux_agc float4(8, 8)
flags int4
created_at timestamp
updated_at timestamp
drp1d [table]
pfs_object_id int8 not null
z_best float4(8, 8)
z_best_err float4(8, 8)
z_best_reliability float4(8, 8)
obj_type_id int4
flags int4
processed_at timestamp not null
drp1d_version varchar
drp1d_redshift [table]
pfs_object_id int8 not null
z float4(8, 8)
z_err float4(8, 8)
zrank float4(8, 8)
reliability float4(8, 8)
spec_class varchar
spec_subclass varchar
processed_at timestamp not null
cobra [table]
cobra_id int4 not null
field_on_pfi int4
cobra_in_field int4
cobra_module_id int4
module_in_field int4
cobra_in_module int4
cobra_in_board int4
cobra_board_id int4
mtp varchar(3)
sps_module_id int4
sps_slit_hole int4
science_fiber_id int4
fiber_id int4
sunss_id varchar(4)
mtp_a_id varchar
mtp_c_id varchar
mtp_ba_id varchar
mtp_bc_id varchar
version varchar
created_at timestamp
updated_at timestamp
obj_fiber [table]
pfs_visit_id int4 not null
cobra_id int4 not null
target_id int8
exptime float4(8, 8)
cum_nexp int4
cum_texp float4(8, 8)
pfs_arm_obj [table]
pfs_visit_id int4 not null
cobra_id int4 not null
flags int4
sps_type_id int4
qa_value float4(8, 8)
visits_to_combine [table]
pfs_visit_id int4 not null
pfs_visit_hash int8 not null
input_catalog [table]
cat_id int4 not null
input_catalog_name varchar
input_catalog_description varchar
created_at timestamp
updated_at timestamp
cobra_geometry_calib [table]
cobra_geometry_calib_id serial not null
auto-incremented
calibrated_at timestamp
comments varchar
visit_hash [table]
pfs_visit_hash int8 not null
n_visit int4
cobra_geometry [table]
cobra_geometry_calib_id int4 not null
cobra_id int4 not null
center_x_mm float4(8, 8)
center_y_mm float4(8, 8)
motor_theta_limit0 float4(8, 8)
motor_theta_limit1 float4(8, 8)
motor_theta_length_mm float4(8, 8)
motor_phi_limit_in float4(8, 8)
motor_phi_limit_out float4(8, 8)
motor_phi_length_mm float4(8, 8)
status int4
target [table]
target_id bigserial not null
auto-incremented
program_id int4
obj_id int8
ra float8(17, 17)
decl float8(17, 17)
tract int4
patch varchar
priority float4(8, 8)
target_type_id int4
cat_id int4
cat_obj_id int8
fiber_mag_g float4(8, 8)
fiber_mag_r float4(8, 8)
fiber_mag_i float4(8, 8)
fiber_mag_z float4(8, 8)
fiber_mag_y float4(8, 8)
fiber_mag_j float4(8, 8)
fiducial_exptime float4(8, 8)
photz float4(8, 8)
is_medium_resolution bool
qa_type_id int4
qa_lambda_min float4(8, 8)
qa_lambda_max float4(8, 8)
qa_threshold float4(8, 8)
qa_line_flux float4(8, 8)
completeness float4(8, 8)
is_finished bool
created_at timestamp
updated_at timestamp
target_type [table]
target_type_id int4 not null
target_type_name varchar
target_type_description varchar
created_at timestamp
updated_at timestamp
qa_type [table]
qa_type_id int4 not null
qa_type_name varchar
qa_type_description varchar
created_at timestamp
updated_at timestamp
pfs_object [table]
pfs_object_id bigserial not null
auto-incremented
target_id int8
tract int4
patch varchar
cat_id int4
obj_id int8
n_visit int4
pfs_visit_hash int8
cum_texp float4(8, 8)
processed_at timestamp
drp2d_version varchar
flux_calib_id int4
flags int4
qa_type_id int4
qa_value float4(8, 8)
drp_ga [table]
pfs_object_id int8 not null
star_type_id int4
velocity float4(8, 8)
metallicity float4(8, 8)
logg float4(8, 8)
teff float4(8, 8)
flags int4
processed_at timestamp not null
drp_ga_version varchar
star_type [table]
star_type_id int4 not null
star_type_name varchar
star_type_description varchar
created_at timestamp
updated_at timestamp
flux_calib [table]
flux_calib_id int4 not null
flux_calib_type varchar
flux_calib_date timestamp
flux_calib_star_teff float4(8, 8)
flux_calib_star_logg float4(8, 8)
flux_calib_star_z float4(8, 8)
program [table]
program_id int4 not null
program_name varchar
program_description varchar
proposal_id varchar
is_filler bool
created_at timestamp
updated_at timestamp
proposal [table]
proposal_id varchar not null
created_at timestamp
updated_at timestamp
tile [table]
tile_id serial not null
auto-incremented
program_id int4
tile int4
ra_center float8(17, 17)
dec_center float8(17, 17)
pa float4(8, 8)
is_finished bool
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