

pfs_visit	
pfs_visit_id	int4 not null
pfs_visit_description	varchar
pfs_design_id	int8
issued_at	timestamp without time zone

cobra_convergence	
pfs_visit_id	int4 not null
number_converged	int4
residual_mean	float4(8, 8)
residual_median	float4(8, 8)
residual_sigma	float4(8, 8)

data_processing	
run_id	serial not null auto-incremented
pfs_visit_id	int4
drp_id	int4
drp_version	varchar
process_type	varchar
process_datetime_start	timestamp without time zone
process_datetime_end	timestamp without time zone

data_qa	
run_id	serial not null auto-incremented
pfs_visit_id	int4
qa_version	varchar
qa_type	varchar
process_datetime_start	timestamp without time zone
process_datetime_end	timestamp without time zone

exposure_time	
pfs_visit_id	int4 not null
nominal_exposure_time	float4(8, 8)
effective_exposure_time_b	float4(8, 8)
effective_exposure_time_r	float4(8, 8)
effective_exposure_time_n	float4(8, 8)
effective_exposure_time_m	float4(8, 8)

guide_offset	
pfs_visit_id	int4 not null
number_guide_stars	int4
offset_mean	float4(8, 8)
offset_median	float4(8, 8)
offset_sigma	float4(8, 8)

moon	
pfs_visit_id	int4 not null
moon_phase	float4(8, 8)
moon_alt	float4(8, 8)
moon_sep	float4(8, 8)

noise	
pfs_visit_id	int4 not null
noise_b_mean	float4(8, 8)
noise_b_median	float4(8, 8)
noise_b_sigma	float4(8, 8)
wavelength_ref_b	float4(8, 8)
noise_r_mean	float4(8, 8)
noise_r_median	float4(8, 8)
noise_r_sigma	float4(8, 8)
wavelength_ref_r	float4(8, 8)
noise_n_mean	float4(8, 8)
noise_n_median	float4(8, 8)
noise_n_sigma	float4(8, 8)
wavelength_ref_n	float4(8, 8)
noise_m_mean	float4(8, 8)
noise_m_median	float4(8, 8)
noise_m_sigma	float4(8, 8)
wavelength_ref_m	float4(8, 8)

seeing	
pfs_visit_id	int4 not null
seeing_mean	float4(8, 8)
seeing_median	float4(8, 8)
seeing_sigma	float4(8, 8)
wavelength_ref	float4(8, 8)

seeing_agc_exposure	
pfs_visit_id	int4 not null
agc_exposure_id	int4
seeing_mean	float4(8, 8)
seeing_median	float4(8, 8)
seeing_sigma	float4(8, 8)
wavelength_ref	float4(8, 8)
taken_at	timestamp without time zone

sky	
pfs_visit_id	int4 not null
sky_background_b_mean	float4(8, 8)
sky_background_b_median	float4(8, 8)
sky_background_b_sigma	float4(8, 8)
wavelength_ref_b	float4(8, 8)
sky_background_r_mean	float4(8, 8)
sky_background_r_median	float4(8, 8)
sky_background_r_sigma	float4(8, 8)
wavelength_ref_r	float4(8, 8)
sky_background_n_mean	float4(8, 8)
sky_background_n_median	float4(8, 8)
sky_background_n_sigma	float4(8, 8)
wavelength_ref_n	float4(8, 8)
sky_background_m_mean	float4(8, 8)
sky_background_m_median	float4(8, 8)
sky_background_m_sigma	float4(8, 8)
wavelength_ref_m	float4(8, 8)
agc_background_mean	float4(8, 8)
agc_background_median	float4(8, 8)
agc_background_sigma	float4(8, 8)

telescope	
pfs_visit_id	int4 not null
azimuth	float4(8, 8)
altitude	float4(8, 8)
airmass	float4(8, 8)

throughput	
pfs_visit_id	int4 not null
throughput_b_mean	float4(8, 8)
throughput_b_median	float4(8, 8)
throughput_b_sigma	float4(8, 8)
wavelength_ref_b	float4(8, 8)
throughput_r_mean	float4(8, 8)
throughput_r_median	float4(8, 8)
throughput_r_sigma	float4(8, 8)
wavelength_ref_r	float4(8, 8)
throughput_n_mean	float4(8, 8)
throughput_n_median	float4(8, 8)
throughput_n_sigma	float4(8, 8)
wavelength_ref_n	float4(8, 8)
throughput_m_mean	float4(8, 8)
throughput_m_median	float4(8, 8)
throughput_m_sigma	float4(8, 8)
wavelength_ref_m	float4(8, 8)

transparency	
pfs_visit_id	int4 not null
transparency_mean	float4(8, 8)
transparency_median	float4(8, 8)
transparency_sigma	float4(8, 8)
wavelength_ref	float4(8, 8)

transparency_agc_exposure	
pfs_visit_id	int4 not null
agc_exposure_id	int4 not null
transparency_mean	float4(8, 8)
transparency_median	float4(8, 8)
transparency_sigma	float4(8, 8)
wavelength_ref	float4(8, 8)
taken_at	timestamp without time zone

test	
test_id	serial not null auto-incremented
test_val1	int4
test_val2	float4(8, 8)
test_val3	varchar
test_val4	timestamp without time zone

data_processing_results	
run_id	int4 not null
tbd	float4(8, 8)

cosmic_rays	
run_id	int4 not null
spectrograph	int4 not null
arm	varchar(1) not null
tbd	float4(8, 8)

detector_map	
run_id	int4 not null
spectrograph	int4 not null
arm	varchar(1) not null
residual_wavelength_mean	float4(8, 8)
residual_wavelength_median	float4(8, 8)
residual_wavelength_sigma	float4(8, 8)
residual_trace_mean	float4(8, 8)
residual_trace_median	float4(8, 8)
residual_trace_sigma	float4(8, 8)

dichroic_continuity	
run_id	int4 not null
spectrograph	int4 not null
br_continuity	float4(8, 8)
rn_continuity	float4(8, 8)

flux_calibration	
run_id	int4 not null
spectrograph	int4 not null
arm	varchar(1) not null
number_of_flux_standards	int4
tbd	float4(8, 8)

h4_persistence	
run_id	int4 not null
spectrograph	int4 not null
tbd	float4(8, 8)

mask	
run_id	int4 not null
spectrograph	int4 not null
arm	varchar(1) not null
number_of_pix_in_each_bit	int4

redshift_measurement	
run_id	int4 not null
number_of_galaxies	int4
chisq_mean	float4(8, 8)
chisq_median	float4(8, 8)
chisq_sigma	float4(8, 8)

sky_subtraction	
run_id	int4 not null
spectrograph	int4 not null
arm	varchar(1) not null
number_of_sky_fibers	int4
residual_chi_mean	float4(8, 8)
residual_chi_median	float4(8, 8)
residual_chi_sigma	float4(8, 8)