**pfs_arm** [table]
| pfs_arm_id | serial not null |
| | auto-incremented |
| frame_id | varchar |
| visit_id | int4 |
| calib_flat_id | int4 |
| calib_bias_id | int4 |
| calib_dark_id | int4 |
| calib_arcs_id | int4 |
| pfs_config_id | int8 |
| sky_model_id | int4 |
| psf_model_id | int4 |

**calib** [table]
| calib_id | int4 not null |
| pfs_design_id | int8 |

**sky_model** [table]
| sky_model_id | int4 not null |
| frame_id | varchar |
| visit | int4 |

**psf_model** [table]
| psf_model_id | int4 not null |
| frame_id | varchar |
| visit_id | int4 |

**mcs_exposure** [table]
| mcs_exposure_id | serial not null |
| | auto-incremented |
| frame_id | int4 not null |

**mcs_boresight** [table]
| mcs_boresight_id | serial not null |
| | auto-incremented |

**pfs_config** [table]
| pfs_config_id | serial not null |
| | auto-incremented |
| pfs_design_id | int8 |
| visit0 | int4 |

**exposure** [table]
| frame_id | varchar not null |
| visit_id | int4 |
| pfs_config_id | int8 |
| cloud_condition_id | int4 |
| beam_switch_mode_id | int4 |

**cloud_condition** [table]
| cloud_condition_id | int4 not null |

**beam_switch_mode** [table]
| beam_switch_mode_id | int4 not null |

**pfs_design** [table]
| pfs_design_id | int8 not null |
| tile_id | int4 |

**visit** [table]
| visit_id | int4 not null |

**pfs_arm_obj** [table]
| pfs_arm_obj_id | bigserial not null |
| | auto-incremented |
| pfs_arm_id | int4 |
| visit_id | int4 |
| fiber_id | int4 |
| pfs_config_fiber_id | int8 |
| qa_type_id | int4 |

**tile** [table]
| tile_id | serial not null |
| | auto-incremented |
| program_id | int4 |

**cobra_position** [table]
| cobra_id | int4 not null |
| fiber_id | int4 |
| version | varchar not null |

**obs_fiber** [table]
| obsfiber_id | bigserial not null |
| | auto-incremented |
| frame_id | varchar |
| visit_id | int4 |
| pfs_config_fiber_id | int8 |
| target_id | int8 |

**fiber_position** [table]
| fiber_id | int4 not null |

**fiducial_fiber_position** [table]
| ff_id | int4 not null |
| fiber_id | int4 |
| version | varchar not null |

**pfs_config_fiber** [table]
| pfs_config_fiber_id | int8 not null |
| pfs_config_id | int8 |
| fiber_id | int4 |
| target_id | int8 |

**cobra_config** [table]
| cobra_config_id | bigserial not null |
| | auto-incremented |
| pfs_config_fiber_id | int8 |
| mcs_id | int4 |

**proposal** [table]
| proposal_id | varchar not null |

**program** [table]
| program_id | int4 not null |
| proposal_id | varchar |

**pfs_design_fiber** [table]
| pfs_design_fiber_id | bigserial not null |
| | auto-incremented |
| pfs_design_id | int8 |
| fiber_id | int4 |
| target_id | int8 |

**target_type** [table]
| target_type_id | int4 not null |

**target** [table]
| target_id | bigserial not null |
| | auto-incremented |
| program_id | int4 |
| target_type_id | int4 |
| cat_id | int4 |
| qa_type_id | int4 |

**mcs_data** [table]
| mcs_id | serial not null |
| | auto-incremented |
| frame_id | int4 |

**input_catalog** [table]
| cat_id | int4 not null |

**guide_stars** [table]
| guide_star_id | int8 not null |
| cat_id | int4 |
| obj_type_id | int4 |

**visits_to_combine** [table]
| visits_to_combine_id | bigserial not null |
| | auto-incremented |
| target_id | int8 |
| visit | int4 |
| pfs_visit_hash | int8 |

**drp1d_redshift** [table]
| drp1d_redshift_id | bigserial not null |
| | auto-incremented |
| drp1d_id | int4 |

**visit_hash** [table]
| pfs_visit_hash | int8 not null |

**drp1d** [table]
| drp1d_id | serial not null |
| | auto-incremented |
| pfs_object_id | int8 |
| obj_type_id | int4 |

**obj_type** [table]
| obj_type_id | int4 not null |

**drp1d_line** [table]
| drp1d_line_id | bigserial not null |
| | auto-incremented |
| drp1d_id | int4 |
| line_id | int4 |

**pfs_object** [table]
| pfs_object_id | bigserial not null |
| | auto-incremented |
| target_id | int8 |
| pfs_visit_hash | int8 |
| flux_calib_id | int4 |
| qa_type_id | int4 |

**drp_ga** [table]
| drp_ga_id | serial not null |
| | auto-incremented |
| pfs_object_id | int8 not null |
| star_type_id | int4 |

**flux_calib** [table]
| flux_calib_id | int4 not null |

**qa_type** [table]
| qa_type_id | int4 not null |

**star_type** [table]
| star_type_id | int4 not null |

**line_list** [table]
| line_id | int4 not null |

PFS Operational Database
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