pfsArm [table]
pfsArmId	serial not null auto-incremented
frameId	varchar
visit	int4
calibFlatId	int4
calibBiasId	int4
calibDarkId	int4
calibArcsId	int4
pfsConfigId	int8
skyModelId	int4
psfModelId	int4

Calib [table]
| calibId | int4 not null |
| pfsDesignId | int8 |

pfsConfig [table]
| pfsConfigId | int8 not null |
| pfsDesignId | int8 |

Exposure [table]
frameId	varchar not null
visit	int4
pfsConfigId	int8
cloudConditionId	int4
beamSwitchModeId	int4

CloudCondition [table]
| cloudConditionId | int4 not null |

BeamSwitchMode [table]
| beamSwitchModeId | int4 not null |

SkyModel [table]
skyModelId	int4 not null
frameId	varchar
visit	int4

PsfModel [table]
psfModelId	int4 not null
frameId	varchar
visit	int4

Visit [table]
| visit | int4 not null |

pfsDesign [table]
| pfsDesignId | int8 not null |
| tileId | int4 |

CobraPosition [table]
| cobraId | int4 not null |
| fiberId | int4 |

FiducialFiberPosition [table]
| ffId | int4 not null |
| fiberId | int4 |

ObsFiber [table]
obsFiberId	bigserial not null auto-incremented
frameId	varchar
visit	int4
pfsConfigFiberId	int8
targetId	int8

pfsConfigFiber [table]
pfsConfigFiberId	bigserial not null auto-incremented
pfsConfigId	int8
fiberId	int4
targetId	int8

FiberPosition [table]
| fiberId | int4 not null |

Tile [table]
| tileId | serial not null auto-incremented |
| programId | int4 |

pfsArmObj [table]
pfsArmObjId	bigserial not null auto-incremented
pfsArmId	int4
visit	int4
fiberId	int4
pfsConfigFiberId	int8
QATypeId	int4

pfsDesignFiber [table]
pfsDesignFiberId	bigserial not null auto-incremented
pfsDesignId	int8
fiberId	int4
targetId	int8

Program [table]
| programId | int4 not null |

VisitsToCombine [table]
visitsToCombineId	bigserial not null auto-incremented
targetid	int8
visit	int4
pfsVisitHash	int8

Target [table]
targetId	bigserial not null auto-incremented
programId	int4
targetTypeId	int4
catId	int4
QATypeId	int4

TargetType [table]
| targetType | int4 not null |

InputCatalog [table]
| catId | int4 not null |

GuideStars [table]
guideStarId	int8 not null
catId	int4
objTypeId	int4

ObjType [table]
| objTypeId | int4 not null |

Drp1D [table]
drp1DId	serial not null auto-incremented
pfsObjectId	int8
objTypeId	int4

Drp1DRedshift [table]
| drp1DRedshiftId | bigserial not null auto-incremented |
| drp1DId | int4 |

VisitHash [table]
| pfsVisitHash | int8 not null |

pfsObject [table]
pfsObjectId	bigserial not null auto-incremented
targetId	int8
pfsVisitHash	int8
fluxCalibId	int4
QATypeId	int4

DrpGA [table]
drpGAId	serial not null auto-incremented
pfsObjectId	int8 not null
starTypeId	int4

Drp1DLine [table]
drp1DLineId	bigserial not null auto-incremented
drp1DId	int4
lineId	int4

FluxCalib [table]
| fluxCalibId | int4 not null |

QAType [table]
| QATypeId | int4 not null |

StarType [table]
| starTypeId | int4 not null |

LineList [table]
| lineId | int4 not null |

PFS Operational Database
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