

CIPS Observation Catalog

Nov 8, 2005

last updated: June 30, 2008

Orbits

orbitNum - int - PK
missionDay - small int
startTime - double
endTime - double

Level4Ozone

stackId - int - PK, FK
level4Version - char(6) - PK
fileId - int - FK
orbitNum - int - FK
minOzoneColDens - float
maxOzoneColDens - float
meanOzoneColDens - float

Level2OrbitStrips

orbitNum - int - PK
level2Version - char(6) - PK
stackId - int - FK
fileId - int - FK
qualityFlags - int

Level3Aimages

missionDay - small int - PK
level3AVersion - char(6) - PK
fileId - int - FK, UK
qualityFlags - int
level2DependantVersion - char(6)

Level1Aimages

gpsTime - double - PK
midImageTimestamp - double
level1AVersion - char(6) - PK
camerald - char(2) - PK, FK
fileId - int - FK
orbitNum - int - FK
observationTypeId - tinyint - FK
scLatitude - float
scLongitude - float
scAltitude - float
qualityFlags - int
centerLatitude - float
centerLongitude - float
minScatteringAngle - float
maxScatteringAngle - float
minZenithAngleRayPeak - float
maxZenithAngleRayPeak - float
minZenithAngleDeck - float
maxZenithAngleDeck - float
cvolImage - tinyint
indexNumInFile - int

Level4CloudPropsCVO

stackId - int - PK, FK
level4Version - char(6) - PK
fileId - int - FK
orbitNum - int - FK
qualityFlags - int
startTime - double
endTime - double
percentClouds - float
minScaleHt - float
maxScaleHt - float
meanScaleHt - float
minParticleRad - float
maxParticleRad - float
meanParticleRad - float
minZenithAngleRayPeak - float
maxZenithAngleRayPeak - float

Level4CloudProps

stackId - int - PK, FK
level4Version - char(6) - PK
fileId - int - FK
orbitNum - int - FK
qualityFlags - int
centerLongitude - float
percentClouds - float
meanCldAlbedo - float
minScaleHt - float
maxScaleHt - float
meanScaleHt - float
minParticleRad - float
maxParticleRad - float
meanParticleRad - float
minZenithAngleRayPeak - float
maxZenithAngleRayPeak - float

Files

fileId - int - PK
productId - smallInt - FK
fileName - varchar(255) - UK
minTime - double
maxTime - double
productionDateTime - datetime

Level1BStacks

stackId - int - PK
fileId - int - FK, UK
orbitNum - int - FK
level1BVersion - char(6)
dependant1AVersionPX - char(6)
dependant1AVersionMX - char(6)
dependant1AVersionPY - char(6)
dependant1AVersionMY - char(6)
hemisphere - char(1)
centerLongitude - float
minZenithAngleRayPeak - float
maxZenithAngleRayPeak - float
qualityFlags - int

QualityFlagBitDefinitions

table - varchar(255) - PK
bitPosition - int - PK
description - varchar(255)

ProductVersionMetadata

productId - small int - PK
productName - varchar(31)
description - varchar(255)
productVersion - char(6)
frequency - varchar(31)
dataProdVersionDesc - varchar(255)
softwareMajorDesc - varchar(255)
dataProductRevision - float
productFormatVersion - float
inputCalVersion - float
softwareName - varchar(255)
versionCreationDate - datetime
dqConfidence - char(1)
dqReview - char(1)
dqUses - char(1)
parameters - varchar(255)
notes - varchar(255)

DatasetProductVersions

datasetVersion - tinyint - PK
productType - varchar(31) - PK
productId - int - FK

for Level 1A: Level1A-px, Level1A-mx, etc...

Level1BStacksCVO

stackId - int - PK, FK
fileId - int - FK
orbitNum - int - FK
qualityFlags - int

Level1CStacks

level1CVersion - char(6)
stackId - int - PK, FK
fileId - int - FK, UK
orbitNum - int - FK

CameraDefinitions

camerald - char(2) - PK
description - varchar(255)

CurrentDatasetVersion

datasetVersionBeingProcessed - tinyint
datasetPublicReleaseVersion - tinyint

ObservationTypeDefns

observationTypeId - tinyint - PK
observationName - varChar (15)
observationDesc - varChar(255)