PS1 StackModelFitPetObjectView table fields

The starting point for the PS1 data archive is at Pan-STARRS1 data archive home page.

This page describes a "View", which is a database table created by joining other tables.

Description: -- ObjectThin join StackPetrosian joined by objID column.

Name	Unit	Data Type	Size	Default Value	Description
objName	dimensionless	VARCHAR(32)	32	NA	IAU name for this object.
objAltName1	dimensionless	VARCHAR(32)	32	NA	Alternate name for this object.
objAltName2	dimensionless	VARCHAR(32)	32		Altername name for this object.
objAltName3	dimensionless	VARCHAR(32)	32		Altername name for this object.
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsOBid	dimensionless	BIGINT	8	NA	Unique internal PSPS object identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
htmID	dimensionless	BIGINT	8	NA	Hierarchical triangular mesh (Szalay 2007) index.
zoneID	dimensionless	INT	4	NA	Local zone index, found by dividing the sky into bands of declination 1/2 arcminute in height: zoneID = floor((90 + declination)/0.0083333).
tessID	dimensionless	TINYINT	1	0	Tessellation identifier. Details in the TessellationType table.
projectionID	dimensionless	SMALLINT	2	-1	Projection cell identifier.
skyCellID	dimensionless	TINYINT	1	255	Skycell region identifier.
randomID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
batchID	dimensionless	BIGINT	8	NA	Internal database batch identifier.
dvoRegionID	dimensionless	INT	4	-1	Internal DVO region identifier.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.
objInfoFlag	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in ObjectInfoFlags.
qualityFlag	dimensionless	TINYINT	1	0	Subset of objInfoFlag denoting whether this object is real or a likely false positive. Values listed in ObjectQualityFlags.
raStack	degrees	FLOAT	8	-999	Right ascension from stack detections, weighted mean value across filters, in equinox J2000. See StackObjectThin for stack epoch information.
decStack	degrees	FLOAT	8	-999	Declination from stack detections, weighted mean value across filters, in equinox J2000. See StackObjectThin for stack epoch information.
raStackErr	arcsec	REAL	4	-999	Right ascension standard deviation from stack detections.
decStackErr	arcsec	REAL	4	-999	Declination standard deviation from stack detections.
raMean	degrees	FLOAT	8	-999	Right ascension from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean.
decMean	degrees	FLOAT	8	-999	Declination from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean.
raMeanErr	arcsec	REAL	4	-999	Right ascension standard deviation from single epoch detections.
decMeanErr	arcsec	REAL	4	-999	Declination standard deviation from single epoch detections.

epochMean	days	FLOAT	8	-999	Modified Julian Date of the mean epoch corresponding to raMean, decMean (equinox J2000).
posMeanChisq	dimensionless	REAL	4	-999	Reduced chi squared value of mean position.
cx	dimensionless	FLOAT	8	NA	Cartesian x on a unit sphere.
cy	dimensionless	FLOAT	8	NA	Cartesian y on a unit sphere.
cz	dimensionless	FLOAT	8	NA	Cartesian z on a unit sphere.
lambda	degrees	FLOAT	8	-999	Ecliptic longitude.
beta	degrees	FLOAT	8	-999	Ecliptic latitude.
l	degrees	FLOAT	8	-999	Galactic longitude.
b	degrees	FLOAT	8	-999	Galactic latitude.
nStackObjectRows	dimensionless	SMALLINT	2	-999	Number of independent StackObjectThin rows associated with this object.
nStackDetections	dimensionless	SMALLINT	2	-999	Number of stack detections.
nDetections	dimensionless	SMALLINT	2	-999	Number of single epoch detections in all filters.
ng	dimensionless	SMALLINT	2	-999	Number of single epoch detections in g filter.
nr	dimensionless	SMALLINT	2	-999	Number of single epoch detections in r filter.
ni	dimensionless	SMALLINT	2	-999	Number of single epoch detections in i filter.
nz	dimensionless	SMALLINT	2	-999	Number of single epoch detections in z filter.
ny	dimensionless	SMALLINT	2	-999	Number of single epoch detections in y filter.
primaryDetection	dimensionless	TINYINT	1	255	Identifies if this row is the primary stack detection.
bestDetection	dimensionless	TINYINT	1	255	Identifies if this row is the best detection.
gippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
gstackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
gstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for g filter detection.
gpetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for g filter stack detection.
gpetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for g filter stack detection.
gpetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from g filter stack detection.
gpetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from g filter stack detection.
gpetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for g filter stack detection. at 50% light
gpetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for g filter stack detection. at 50% light
gpetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for g filter stack detection. at 90% light
gpetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for g filter stack detection. at 90% light
gpetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor for g filter stack detection.
rippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
rstackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
rstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for r filter detection.

rpetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for r filter stack detection.
rpetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for r filter stack detection.
rpetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from r filter stack detection.
rpetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from r filter stack detection.
rpetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for r filter stack detection. at 50% light
rpetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for r filter stack detection. at 50% light
rpetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for r filter stack detection. at 90% light
rpetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for r filter stack detection. at 90% light
rpetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor for r filter stack detection.
iippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
istackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
istackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for i filter detection.
ipetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for i filter stack detection.
ipetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for i filter stack detection.
ipetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from i filter stack detection.
ipetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from i filter stack detection.
ipetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for i filter stack detection. at 50% light
ipetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for i filter stack detection. at 50% light
ipetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for i filter stack detection. at 90% light
ipetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for i filter stack detection. at 90% light
ipetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor for i filter stack detection.
zippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
zstackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
zstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for z filter detection.
zpetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for z filter stack detection.
zpetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for z filter stack detection.
zpetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from z filter stack detection.
zpetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from z filter stack detection.
zpetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for z filter stack detection. at 50% light
zpetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for z filter stack detection. at 50% light
zpetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for z filter stack detection. at 90% light
zpetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for z filter stack detection. at 90% light
zpetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor for z filter stack detection.
yippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
ystackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
ystackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for y filter detection.
ypetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for y filter stack detection.

ypetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for y filter stack detection.
ypetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from y filter stack detection.
ypetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from y filter stack detection.
ypetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for y filter stack detection. at 50% light
ypetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for y filter stack detection. at 50% light
ypetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for y filter stack detection. at 90% light
ypetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for y filter stack detection. at 90% light
ypetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor for y filter stack detection.