

PS1 StackModelFitDeVObjectView 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 StackModelFitDeV 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		Alternate name for this object.
objAltName3	dimensionless	VARCHAR(32)	32		Alternate 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.
htmlID	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).
posMeanChi sq	dimension less	REAL	4	-999	Reduced chi squared value of mean position.
cx	dimension less	FLOAT	8	NA	Cartesian x on a unit sphere.
cy	dimension less	FLOAT	8	NA	Cartesian y on a unit sphere.
cz	dimension less	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.
nStackObject Rows	dimension less	SMALLINT	2	-999	Number of independent StackObjectThin rows associated with this object.
nStackDetections	dimension less	SMALLINT	2	-999	Number of stack detections.
nDetections	dimension less	SMALLINT	2	-999	Number of single epoch detections in all filters.
ng	dimension less	SMALLINT	2	-999	Number of single epoch detections in g filter.
nr	dimension less	SMALLINT	2	-999	Number of single epoch detections in r filter.
ni	dimension less	SMALLINT	2	-999	Number of single epoch detections in i filter.
nz	dimension less	SMALLINT	2	-999	Number of single epoch detections in z filter.
ny	dimension less	SMALLINT	2	-999	Number of single epoch detections in y filter.
primaryDetection	dimension less	TINYINT	1	255	Identifies if this row is the primary stack detection.
bestDetection	dimension less	TINYINT	1	255	Identifies if this row is the best detection.
gippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
gstackDetectID	dimension less	BIGINT	8	NA	Unique stack detection identifier.
gstackImageID	dimension less	BIGINT	8	NA	Unique stack identifier for g filter detection.
gDeVRadius	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for g filter stack detection.
gDeVRadiusErr	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for g filter stack detection.
gDeVMag	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for g filter stack detection.
gDeVMagErr	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for g filter stack detection.
gDeVAb	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for g filter stack detection.
gDeVAbErr	dimension less	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for g filter stack detection.
gDeVPhi	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for g filter stack detection.
gDeVPhiErr	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for g filter stack detection.
gDeVRa	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for g filter stack detection.
gDeVDec	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for g filter stack detection.
gDeVRaErr	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for g filter stack detection.
gDeVDecErr	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for g filter stack detection.

gDeVChisq	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for g filter stack detection.
rippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
rstackDetectID	dimension less	BIGINT	8	NA	Unique stack detection identifier.
rstackImageID	dimension less	BIGINT	8	NA	Unique stack identifier for r filter detection.
rDeVRadius	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for r filter stack detection.
rDeVRadiusErr	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for r filter stack detection.
rDeVMag	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for r filter stack detection.
rDeVMagErr	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for r filter stack detection.
rDeVAb	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for r filter stack detection.
rDeVAbErr	dimension less	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for r filter stack detection.
rDeVPhi	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for r filter stack detection.
rDeVPhiErr	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for r filter stack detection.
rDeVRa	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for r filter stack detection.
rDeVDec	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for r filter stack detection.
rDeVRaErr	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for r filter stack detection.
rDeVDecErr	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for r filter stack detection.
rDeVChisq	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for r filter stack detection.
iippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
istackDetectID	dimension less	BIGINT	8	NA	Unique stack detection identifier.
istackImageID	dimension less	BIGINT	8	NA	Unique stack identifier for i filter detection.
iDeVRadius	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for i filter stack detection.
iDeVRadiusErr	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for i filter stack detection.
iDeVMag	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for i filter stack detection.
iDeVMagErr	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for i filter stack detection.
iDeVAb	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for i filter stack detection.
iDeVAbErr	dimension less	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for i filter stack detection.
iDeVPhi	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for i filter stack detection.
iDeVPhiErr	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for i filter stack detection.
iDeVRa	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for i filter stack detection.
iDeVDec	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for i filter stack detection.
iDeVRaErr	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for i filter stack detection.
iDeVDecErr	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for i filter stack detection.
iDeVChisq	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for i filter stack detection.
zippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
zstackDetectID	dimension less	BIGINT	8	NA	Unique stack detection identifier.

zstackImageID	dimension less	BIGINT	8	NA	Unique stack identifier for z filter detection.
zDeVRadius	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for z filter stack detection.
zDeVRadiusErr	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for z filter stack detection.
zDeVMag	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for z filter stack detection.
zDeVMagErr	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for z filter stack detection.
zDeVAb	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for z filter stack detection.
zDeVAbErr	dimension less	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for z filter stack detection.
zDeVPhi	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for z filter stack detection.
zDeVPhiErr	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for z filter stack detection.
zDeVRa	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for z filter stack detection.
zDeVDec	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for z filter stack detection.
zDeVRaErr	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for z filter stack detection.
zDeVDecErr	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for z filter stack detection.
zDeVChisq	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for z filter stack detection.
yippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
ystackDetectID	dimension less	BIGINT	8	NA	Unique stack detection identifier.
ystackImageID	dimension less	BIGINT	8	NA	Unique stack identifier for y filter detection.
yDeVRadius	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for y filter stack detection.
yDeVRadiusErr	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for y filter stack detection.
yDeVMag	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for y filter stack detection.
yDeVMagErr	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for y filter stack detection.
yDeVAb	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for y filter stack detection.
yDeVAbErr	dimension less	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for y filter stack detection.
yDeVPhi	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for y filter stack detection.
yDeVPhiErr	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for y filter stack detection.
yDeVRa	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for y filter stack detection.
yDeVDec	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for y filter stack detection.
yDeVRaErr	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for y filter stack detection.
yDeVDecErr	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for y filter stack detection.
yDeVChisq	dimension less	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for y filter stack detection.