

PS1 StackModelFitSerObjectView 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 StackModelFitSer joined by objID column.					
Name	Unit	Data Type	Size	Default Value	Description
objName	dimension less	VARCHAR(32)	32	NA	IAU name for this object.
objAltName1	dimension less	VARCHAR(32)	32	NA	Alternate name for this object.
objAltName2	dimension less	VARCHAR(32)	32		Alternate name for this object.
objAltName3	dimension less	VARCHAR(32)	32		Alternate name for this object.
objID	dimension less	BIGINT	8	NA	Unique object identifier.
uniquePspOBid	dimension less	BIGINT	8	NA	Unique internal PSPS object identifier.
ippObjID	dimension less	BIGINT	8	NA	IPP internal object identifier.
surveyID	dimension less	TINYINT	1	NA	Survey identifier. Details in the Survey table.
htmlID	dimension less	BIGINT	8	NA	Hierarchical triangular mesh (Szalay 2007) index.
zoneID	dimension less	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	dimension less	TINYINT	1	0	Tessellation identifier. Details in the TessellationType table.
projectionID	dimension less	SMALLINT	2	-1	Projection cell identifier.
skyCellID	dimension less	TINYINT	1	255	Skycell region identifier.
randomID	dimension less	FLOAT	8	NA	Random value drawn from the interval between zero and one.
batchID	dimension less	BIGINT	8	NA	Internal database batch identifier.
dvoRegionID	dimension less	INT	4	-1	Internal DVO region identifier.
processingVersion	dimension less	TINYINT	1	NA	Data release version.
objInfoFlag	dimension less	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in ObjectInfoFlags.
qualityFlag	dimension less	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.
gstackDetect ID	dimension less	BIGINT	8	NA	Unique stack detection identifier.
gstackImageID	dimension less	BIGINT	8	NA	Unique stack identifier for g filter detection.
gSerRadius	arcsec	REAL	4	-999	Sersic (1963) fit radius for g filter stack detection.
gSerRadiusErr	arcsec	REAL	4	-999	Error in Sersic (1963) fit radius for g filter stack detection.
gSerMag	AB magnitudes	REAL	4	-999	Sersic (1963) fit magnitude for g filter stack detection.
gSerMagErr	AB magnitudes	REAL	4	-999	Error in Sersic (1963) fit magnitude for g filter stack detection.
gSerAb	dimension less	REAL	4	-999	Sersic (1963) fit axis ratio for g filter stack detection.
gSerAbErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit axis ratio for g filter stack detection.
gSerNu	dimension less	REAL	4	-999	Sersic (1963) fit index for g filter stack detection.
gSerNuErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit index for g filter stack detection.
gSerPhi	degrees	REAL	4	-999	Major axis position angle, phi, of Sersic (1963) fit for g filter stack detection.
gSerPhiErr	degrees	REAL	4	-999	Error in major axis position angle of Sersic (1963) fit for g filter stack detection.
gSerRa	degrees	FLOAT	8	-999	Right ascension of Sersic (1963) fit center for g filter stack detection.
gSerDec	degrees	FLOAT	8	-999	Declination of Sersic (1963) fit center for g filter stack detection.

gSerRaErr	arcsec	REAL	4	-999	Error in right ascension of Sersic (1963) fit center for g filter stack detection.
gSerDecErr	arcsec	REAL	4	-999	Error in declination of Sersic (1963) fit center for g filter stack detection.
gSerChisq	dimension less	REAL	4	-999	Sersic (1963) 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.
rSerRadius	arcsec	REAL	4	-999	Sersic (1963) fit radius for r filter stack detection.
rSerRadiusErr	arcsec	REAL	4	-999	Error in Sersic (1963) fit radius for r filter stack detection.
rSerMag	AB magnitudes	REAL	4	-999	Sersic (1963) fit magnitude for r filter stack detection.
rSerMagErr	AB magnitudes	REAL	4	-999	Error in Sersic (1963) fit magnitude for r filter stack detection.
rSerAb	dimension less	REAL	4	-999	Sersic (1963) fit axis ratio for r filter stack detection.
rSerAbErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit axis ratio for r filter stack detection.
rSerNu	dimension less	REAL	4	-999	Sersic (1963) fit index for r filter stack detection.
rSerNuErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit index for r filter stack detection.
rSerPhi	degrees	REAL	4	-999	Major axis position angle, phi, of Sersic (1963) fit for r filter stack detection.
rSerPhiErr	degrees	REAL	4	-999	Error in major axis position angle of Sersic (1963) fit for r filter stack detection.
rSerRa	degrees	FLOAT	8	-999	Right ascension of Sersic (1963) fit center for r filter stack detection.
rSerDec	degrees	FLOAT	8	-999	Declination of Sersic (1963) fit center for r filter stack detection.
rSerRaErr	arcsec	REAL	4	-999	Error in right ascension of Sersic (1963) fit center for r filter stack detection.
rSerDecErr	arcsec	REAL	4	-999	Error in declination of Sersic (1963) fit center for r filter stack detection.
rSerChisq	dimension less	REAL	4	-999	Sersic (1963) 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.
iSerRadius	arcsec	REAL	4	-999	Sersic (1963) fit radius for i filter stack detection.
iSerRadiusErr	arcsec	REAL	4	-999	Error in Sersic (1963) fit radius for i filter stack detection.
iSerMag	AB magnitudes	REAL	4	-999	Sersic (1963) fit magnitude for i filter stack detection.
iSerMagErr	AB magnitudes	REAL	4	-999	Error in Sersic (1963) fit magnitude for i filter stack detection.
iSerAb	dimension less	REAL	4	-999	Sersic (1963) fit axis ratio for i filter stack detection.
iSerAbErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit axis ratio for i filter stack detection.
iSerNu	dimension less	REAL	4	-999	Sersic (1963) fit index for i filter stack detection.
iSerNuErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit index for i filter stack detection.
iSerPhi	degrees	REAL	4	-999	Major axis position angle, phi, of Sersic (1963) fit for i filter stack detection.
iSerPhiErr	degrees	REAL	4	-999	Error in major axis position angle of Sersic (1963) fit for i filter stack detection.
iSerRa	degrees	FLOAT	8	-999	Right ascension of Sersic (1963) fit center for i filter stack detection.
iSerDec	degrees	FLOAT	8	-999	Declination of Sersic (1963) fit center for i filter stack detection.

iSerRaErr	arcsec	REAL	4	-999	Error in right ascension of Sersic (1963) fit center for i filter stack detection.
iSerDecErr	arcsec	REAL	4	-999	Error in declination of Sersic (1963) fit center for i filter stack detection.
iSerChisq	dimension less	REAL	4	-999	Sersic (1963) 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.
zSerRadius	arcsec	REAL	4	-999	Sersic (1963) fit radius for z filter stack detection.
zSerRadiusErr	arcsec	REAL	4	-999	Error in Sersic (1963) fit radius for z filter stack detection.
zSerMag	AB magnitudes	REAL	4	-999	Sersic (1963) fit magnitude for z filter stack detection.
zSerMagErr	AB magnitudes	REAL	4	-999	Error in Sersic (1963) fit magnitude for z filter stack detection.
zSerAb	dimension less	REAL	4	-999	Sersic (1963) fit axis ratio for z filter stack detection.
zSerAbErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit axis ratio for z filter stack detection.
zSerNu	dimension less	REAL	4	-999	Sersic (1963) fit index for z filter stack detection.
zSerNuErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit index for z filter stack detection.
zSerPhi	degrees	REAL	4	-999	Major axis position angle, phi, of Sersic (1963) fit for z filter stack detection.
zSerPhiErr	degrees	REAL	4	-999	Error in major axis position angle of Sersic (1963) fit for z filter stack detection.
zSerRa	degrees	FLOAT	8	-999	Right ascension of Sersic (1963) fit center for z filter stack detection.
zSerDec	degrees	FLOAT	8	-999	Declination of Sersic (1963) fit center for z filter stack detection.
zSerRaErr	arcsec	REAL	4	-999	Error in right ascension of Sersic (1963) fit center for z filter stack detection.
zSerDecErr	arcsec	REAL	4	-999	Error in declination of Sersic (1963) fit center for z filter stack detection.
zSerChisq	dimension less	REAL	4	-999	Sersic (1963) 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.
ySerRadius	arcsec	REAL	4	-999	Sersic (1963) fit radius for y filter stack detection.
ySerRadiusErr	arcsec	REAL	4	-999	Error in Sersic (1963) fit radius for y filter stack detection.
ySerMag	AB magnitudes	REAL	4	-999	Sersic (1963) fit magnitude for y filter stack detection.
ySerMagErr	AB magnitudes	REAL	4	-999	Error in Sersic (1963) fit magnitude for y filter stack detection.
ySerAb	dimension less	REAL	4	-999	Sersic (1963) fit axis ratio for y filter stack detection.
ySerAbErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit axis ratio for y filter stack detection.
ySerNu	dimension less	REAL	4	-999	Sersic (1963) fit index for y filter stack detection.
ySerNuErr	dimension less	REAL	4	-999	Error in Sersic (1963) fit index for y filter stack detection.
ySerPhi	degrees	REAL	4	-999	Major axis position angle, phi, of Sersic (1963) fit for y filter stack detection.
ySerPhiErr	degrees	REAL	4	-999	Error in major axis position angle of Sersic (1963) fit for y filter stack detection.
ySerRa	degrees	FLOAT	8	-999	Right ascension of Sersic (1963) fit center for y filter stack detection.

ySerDec	degrees	FLOAT	8	-999	Declination of Sersic (1963) fit center for y filter stack detection.
ySerRaErr	arcsec	REAL	4	-999	Error in right ascension of Sersic (1963) fit center for y filter stack detection.
ySerDecErr	arcsec	REAL	4	-999	Error in declination of Sersic (1963) fit center for y filter stack detection.
ySerChisq	dimension less	REAL	4	-999	Sersic (1963) fit reduced chi squared for y filter stack detection.