

# PS1 StackModelFitDeV table fields

The starting point for the PS1 data archive is at [Pan-STARRS1 data archive home page](#).

**Description:** Contains the de Vaucouleurs (1948) fit parameters to extended sources. See `StackObjectThin` table for discussion of primary, secondary, and best detections. **References:** de Vaucouleurs, G. 1948, *Annales d'Astrophysique*, 11, 247.

Name	Unit	Data Type	Size	Default Value	Description
<code>objID</code>	dimensionless	BIGINT	8	NA	Unique object identifier.
<code>uniquePspSTid</code>	dimensionless	BIGINT	8	NA	Unique internal PSPS stack identifier.
<code>ippObjID</code>	dimensionless	BIGINT	8	NA	IPP internal object identifier.
<code>randomStackObjID</code>	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
<code>primaryDetection</code>	dimensionless	TINYINT	1	255	Identifies if this row is the primary stack detection.
<code>bestDetection</code>	dimensionless	TINYINT	1	255	Identifies if this row is the best detection.
<code>gippDetectID</code>	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
<code>gstackDetectID</code>	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
<code>gstackImageID</code>	dimensionless	BIGINT	8	NA	Unique stack identifier for g filter detection.
<code>gDeVRadius</code>	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for g filter stack detection.
<code>gDeVRadiusErr</code>	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for g filter stack detection.
<code>gDeVMag</code>	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for g filter stack detection.
<code>gDeVMagErr</code>	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for g filter stack detection.
<code>gDeVAb</code>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for g filter stack detection.
<code>gDeVAbErr</code>	dimensionless	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for g filter stack detection.
<code>gDeVPhi</code>	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for g filter stack detection.
<code>gDeVPhiErr</code>	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for g filter stack detection.
<code>gDeVRa</code>	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for g filter stack detection.
<code>gDeVDec</code>	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for g filter stack detection.
<code>gDeVRaErr</code>	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for g filter stack detection.
<code>gDeVDecErr</code>	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for g filter stack detection.
<code>gDeVChisq</code>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for g filter stack detection.
<code>rippDetectID</code>	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
<code>rstackDetectID</code>	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
<code>rstackImageID</code>	dimensionless	BIGINT	8	NA	Unique stack identifier for r filter detection.
<code>rDeVRadius</code>	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for r filter stack detection.
<code>rDeVRadiusErr</code>	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for r filter stack detection.
<code>rDeVMag</code>	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for r filter stack detection.
<code>rDeVMagErr</code>	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for r filter stack detection.
<code>rDeVAb</code>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for r filter stack detection.
<code>rDeVAbErr</code>	dimensionless	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for r filter stack detection.
<code>rDeVPhi</code>	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for r filter stack detection.
<code>rDeVPhiErr</code>	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for r filter stack detection.
<code>rDeVRa</code>	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for r filter stack detection.
<code>rDeVDec</code>	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for r filter stack detection.

<b>rDeVRaErr</b>	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for r filter stack detection.
<b>rDeVDecErr</b>	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for r filter stack detection.
<b>rDeVChisq</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for r filter stack detection.
<b>iippDetectID</b>	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
<b>istackDetectID</b>	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
<b>istackImageID</b>	dimensionless	BIGINT	8	NA	Unique stack identifier for i filter detection.
<b>iDeVRadius</b>	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for i filter stack detection.
<b>iDeVRadiusErr</b>	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for i filter stack detection.
<b>iDeVMag</b>	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for i filter stack detection.
<b>iDeVMagErr</b>	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for i filter stack detection.
<b>iDeVAb</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for i filter stack detection.
<b>iDeVAbErr</b>	dimensionless	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for i filter stack detection.
<b>iDeVPhi</b>	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for i filter stack detection.
<b>iDeVPhiErr</b>	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for i filter stack detection.
<b>iDeVRa</b>	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for i filter stack detection.
<b>iDeVDec</b>	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for i filter stack detection.
<b>iDeVRaErr</b>	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for i filter stack detection.
<b>iDeVDecErr</b>	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for i filter stack detection.
<b>iDeVChisq</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for i filter stack detection.
<b>zippDetectID</b>	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
<b>zstackDetectID</b>	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
<b>zstackImageID</b>	dimensionless	BIGINT	8	NA	Unique stack identifier for z filter detection.
<b>zDeVRadius</b>	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for z filter stack detection.
<b>zDeVRadiusErr</b>	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for z filter stack detection.
<b>zDeVMag</b>	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for z filter stack detection.
<b>zDeVMagErr</b>	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for z filter stack detection.
<b>zDeVAb</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for z filter stack detection.
<b>zDeVAbErr</b>	dimensionless	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for z filter stack detection.
<b>zDeVPhi</b>	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for z filter stack detection.
<b>zDeVPhiErr</b>	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for z filter stack detection.
<b>zDeVRa</b>	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for z filter stack detection.
<b>zDeVDec</b>	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for z filter stack detection.
<b>zDeVRaErr</b>	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for z filter stack detection.
<b>zDeVDecErr</b>	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for z filter stack detection.
<b>zDeVChisq</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for z filter stack detection.
<b>yippDetectID</b>	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
<b>ystackDetectID</b>	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
<b>ystackImageID</b>	dimensionless	BIGINT	8	NA	Unique stack identifier for y filter detection.
<b>yDeVRadius</b>	arcsec	REAL	4	-999	De Vaucouleurs (1948) fit radius for y filter stack detection.
<b>yDeVRadiusErr</b>	arcsec	REAL	4	-999	Error in de Vaucouleurs (1948) fit radius for y filter stack detection.
<b>yDeVMag</b>	AB magnitudes	REAL	4	-999	De Vaucouleurs (1948) fit magnitude for y filter stack detection.
<b>yDeVMagErr</b>	AB magnitudes	REAL	4	-999	Error in de Vaucouleurs (1948) fit magnitude for y filter stack detection.

<b>yDeVAb</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for y filter stack detection.
<b>yDeVAbErr</b>	dimensionless	REAL	4	-999	Error in de Vaucouleurs (1948) fit axis ratio for y filter stack detection.
<b>yDeVPhi</b>	degrees	REAL	4	-999	Major axis position angle, phi, of de Vaucouleurs (1948) fit for y filter stack detection.
<b>yDeVPhiErr</b>	degrees	REAL	4	-999	Error in major axis position angle of de Vaucouleurs (1948) fit for y filter stack detection.
<b>yDeVRa</b>	degrees	FLOAT	8	-999	Right ascension of de Vaucouleurs (1948) fit center for y filter stack detection.
<b>yDeVDec</b>	degrees	FLOAT	8	-999	Declination of de Vaucouleurs (1948) fit center for y filter stack detection.
<b>yDeVRaErr</b>	arcsec	REAL	4	-999	Error in right ascension of de Vaucouleurs (1948) fit center for y filter stack detection.
<b>yDeVDecErr</b>	arcsec	REAL	4	-999	Error in declination of de Vaucouleurs (1948) fit center for y filter stack detection.
<b>yDeVChisq</b>	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for y filter stack detection.