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
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsSTid	dimensionless	BIGINT	8	NA	Unique internal PSPS stack identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
randomStackObjID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
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.
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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for g filter stack detection.
gDeVAbErr	dimensionless	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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared 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.
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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for r filter stack detection.
rDeVAbErr	dimensionless	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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared 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.
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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for i filter stack detection.
iDeVAbErr	dimensionless	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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared 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.
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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for z filter stack detection.
zDeVAbErr	dimensionless	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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared 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.
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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit axis ratio for y filter stack detection.
yDeVAbErr	dimensionless	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	dimensionless	REAL	4	-999	De Vaucouleurs (1948) fit reduced chi squared for y filter stack detection.