

PS1 StackModelFitSer table fields

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

Description: Contains the Sersic (1963) fit parameters to extended sources. Only objects with magnitudes brighter than 21.5 outside the Galactic plane have Sersic fits. See StackObjectThin table for discussion of primary, secondary, and best detections. References: Sersic, J. L. 1963, Boletin de la Asociacion Argentina de Astronomia La Plata Argentina, 6, 41.

Name	Unit	Data Type	Size	Default Value	Description
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspSTid	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.
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	dimensionless	REAL	4	-999	Sersic (1963) fit axis ratio for g filter stack detection.
gSerAbErr	dimensionless	REAL	4	-999	Error in Sersic (1963) fit axis ratio for g filter stack detection.
gSerNu	dimensionless	REAL	4	-999	Sersic (1963) fit index for g filter stack detection.
gSerNuErr	dimensionless	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	dimensionless	REAL	4	-999	Sersic (1963) 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.
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	dimensionless	REAL	4	-999	Sersic (1963) fit axis ratio for r filter stack detection.
rSerAbErr	dimensionless	REAL	4	-999	Error in Sersic (1963) fit axis ratio for r filter stack detection.
rSerNu	dimensionless	REAL	4	-999	Sersic (1963) fit index for r filter stack detection.
rSerNuErr	dimensionless	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	dimensionless	REAL	4	-999	Sersic (1963) 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.
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	dimensionless	REAL	4	-999	Sersic (1963) fit axis ratio for i filter stack detection.
iSerAbErr	dimensionless	REAL	4	-999	Error in Sersic (1963) fit axis ratio for i filter stack detection.
iSerNu	dimensionless	REAL	4	-999	Sersic (1963) fit index for i filter stack detection.
iSerNuErr	dimensionless	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	dimensionless	REAL	4	-999	Sersic (1963) 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.
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	dimensionless	REAL	4	-999	Sersic (1963) fit axis ratio for z filter stack detection.
zSerAbErr	dimensionless	REAL	4	-999	Error in Sersic (1963) fit axis ratio for z filter stack detection.
zSerNu	dimensionless	REAL	4	-999	Sersic (1963) fit index for z filter stack detection.
zSerNuErr	dimensionless	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	dimensionless	REAL	4	-999	Sersic (1963) 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.
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	dimensionless	REAL	4	-999	Sersic (1963) fit axis ratio for y filter stack detection.
ySerAbErr	dimensionless	REAL	4	-999	Error in Sersic (1963) fit axis ratio for y filter stack detection.
ySerNu	dimensionless	REAL	4	-999	Sersic (1963) fit index for y filter stack detection.
ySerNuErr	dimensionless	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	dimensionless	REAL	4	-999	Sersic (1963) fit reduced chi squared for y filter stack detection.