

PS1 StackPetrosian table fields

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

Description: Contains the Petrosian (1976) magnitudes and radii for extended sources. See **StackObjectThin** table for discussion of primary, secondary, and best detections. References: Petrosian, V. 1976, ApJL, 209, L1.

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.
gpetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for g filter stack detection.
gpetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for g filter stack detection.
gpetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from g filter stack detection.
gpetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from g filter stack detection.
gpetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for g filter stack detection. at 50% light
gpetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for g filter stack detection. at 50% light
gpetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for g filter stack detection. at 90% light
gpetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for g filter stack detection. at 90% light
gpetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor 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.
rpetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for r filter stack detection.
rpetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for r filter stack detection.
rpetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from r filter stack detection.
rpetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from r filter stack detection.
rpetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for r filter stack detection. at 50% light
rpetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for r filter stack detection. at 50% light
rpetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for r filter stack detection. at 90% light
rpetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for r filter stack detection. at 90% light
rpetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor 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.
ipetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for i filter stack detection.
ipetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for i filter stack detection.
ipetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from i filter stack detection.
ipetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from i filter stack detection.
ipetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for i filter stack detection. at 50% light

ipetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for i filter stack detection. at 50% light
ipetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for i filter stack detection. at 90% light
ipetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for i filter stack detection. at 90% light
ipetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor 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.
zpetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for z filter stack detection.
zpetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for z filter stack detection.
zpetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from z filter stack detection.
zpetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from z filter stack detection.
zpetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for z filter stack detection. at 50% light
zpetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for z filter stack detection. at 50% light
zpetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for z filter stack detection. at 90% light
zpetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for z filter stack detection. at 90% light
zpetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor 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.
ypetRadius	arcsec	REAL	4	-999	Petrosian (1976) fit radius for y filter stack detection.
ypetRadiusErr	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for y filter stack detection.
ypetMag	AB magnitudes	REAL	4	-999	Petrosian (1976) magnitude from y filter stack detection.
ypetMagErr	AB magnitudes	REAL	4	-999	Error in Petrosian (1976) magnitude from y filter stack detection.
ypetR50	arcsec	REAL	4	-999	Petrosian (1976) fit radius for y filter stack detection. at 50% light
ypetR50Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for y filter stack detection. at 50% light
ypetR90	arcsec	REAL	4	-999	Petrosian (1976) fit radius for y filter stack detection. at 90% light
ypetR90Err	arcsec	REAL	4	-999	Error in Petrosian (1976) fit radius for y filter stack detection. at 90% light
ypetCf	dimensionless	REAL	4	-999	Petrosian (1976) fit coverage factor for y filter stack detection.