

PS1 StackApFlxExGalCon6 table fields

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

Description: Contains the fluxes within the SDSS R3 ($r = 1.03$ arcsec), R4 ($r = 1.76$ arcsec), R5 ($r = 3.00$ arcsec), R6 ($r = 4.63$ arcsec), R7 ($r = 7.43$ arcsec), R8 ($r = 11.42$ arcsec), R9 ($r = 18.20$ arcsec), R10 ($r = 28.20$ arcsec), and R11 ($r = 44.21$ arcsec) apertures (Stoughton 2003) for extended sources after the images have been convolved to a target of 6 sky pixels (1.5 arcsec). These measurements are only provided for objects in the extragalactic sky, i.e., they are not provided for objects in the Galactic plane because they are not useful in crowded areas. See StackObjectThin table for discussion of primary, secondary, and best detections. References: Stoughton, C., Lupton, R. H., Bernardi, M., et al. 2003, AJ, 123, 485.

| Name | Unit | Data Type | Size | Default Value | Description |
|-------------------|---------------|-----------|------|---------------|---|
| objID | dimensionless | BIGINT | 8 | NA | Unique object identifier. |
| uniquePspS Tid | dimensionless | BIGINT | 8 | NA | Unique internal PSPS stack identifier. |
| ippObjID | dimensionless | BIGINT | 8 | NA | IPP internal object identifier. |
| randomStack ObjID | 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. |
| gc6flxR3 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| gc6flxR3Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| gc6flxR3Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| gc6flxR3Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| gc6flxR4 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| gc6flxR4Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| gc6flxR4Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| gc6flxR4Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| gc6flxR5 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| gc6flxR5Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| gc6flxR5Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| gc6flxR5Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| gc6flxR6 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 4.63$ arcsec. |
| gc6flxR6Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 4.63$ arcsec. |

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|-----------------------|---------------|--------|---|------|--|
| gc6flxR6Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 4.63$ arcsec. |
| gc6flxR6Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 4.63$ arcsec. |
| gc6flxR7 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 7.43$ arcsec. |
| gc6flxR7Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 7.43$ arcsec. |
| gc6flxR7Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 7.43$ arcsec. |
| gc6flxR7Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 7.43$ arcsec. |
| gc6flxR8 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 11.42$ arcsec. |
| gc6flxR8Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 11.42$ arcsec. |
| gc6flxR8Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 11.42$ arcsec. |
| gc6flxR8Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 11.42$ arcsec. |
| gc6flxR9 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| gc6flxR9Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| gc6flxR9Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| gc6flxR9Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| gc6flxR10 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| gc6flxR10Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| gc6flxR10Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| gc6flxR10Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| gc6flxR11 | Janskys | REAL | 4 | -999 | Flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| gc6flxR11Err | Janskys | REAL | 4 | -999 | Error in flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| gc6flxR11Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| gc6flxR11Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for g filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| 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. |
| rc6flxR3 | Janskys | REAL | 4 | -999 | Flux from r filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| rc6flxR3Err | Janskys | REAL | 4 | -999 | Error in flux from r filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| rc6flxR3Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from r filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| rc6flxR3Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for r filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| rc6flxR4 | Janskys | REAL | 4 | -999 | Flux from r filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |

