

PS1 StackApFlxExGalCon6ObjectView table fields

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

This page describes a "View", which is a database table created by joining other tables.

| Description: -- ObjectThin join StackApFlxExGalCon6 joined by objID column. | | | | | |
|---|---------------|-------------|------|---------------|---|
| Name | Unit | Data Type | Size | Default Value | Description |
| objName | dimensionless | VARCHAR(32) | 32 | NA | IAU name for this object. |
| objAltName1 | dimensionless | VARCHAR(32) | 32 | NA | Alternate name for this object. |
| objAltName2 | dimensionless | VARCHAR(32) | 32 | | Alternate name for this object. |
| objAltName3 | dimensionless | VARCHAR(32) | 32 | | Alternate name for this object. |
| objID | dimensionless | BIGINT | 8 | NA | Unique object identifier. |
| uniquePspsoBid | dimensionless | BIGINT | 8 | NA | Unique internal PSPS object identifier. |
| ippObjID | dimensionless | BIGINT | 8 | NA | IPP internal object identifier. |
| surveyID | dimensionless | TINYINT | 1 | NA | Survey identifier. Details in the Survey table. |
| htmlID | dimensionless | BIGINT | 8 | NA | Hierarchical triangular mesh (Szalay 2007) index. |
| zoneID | dimensionless | INT | 4 | NA | Local zone index, found by dividing the sky into bands of declination 1/2 arcminute in height: zoneID = floor((90 + declination)/0.0083333). |
| tessID | dimensionless | TINYINT | 1 | 0 | Tessellation identifier. Details in the TessellationType table. |
| projectionID | dimensionless | SMALLINT | 2 | -1 | Projection cell identifier. |
| skyCellID | dimensionless | TINYINT | 1 | 255 | Skycell region identifier. |
| randomID | dimensionless | FLOAT | 8 | NA | Random value drawn from the interval between zero and one. |
| batchID | dimensionless | BIGINT | 8 | NA | Internal database batch identifier. |
| dvoRegionID | dimensionless | INT | 4 | -1 | Internal DVO region identifier. |
| processingVersion | dimensionless | TINYINT | 1 | NA | Data release version. |
| objInfoFlag | dimensionless | INT | 4 | 0 | Information flag bitmask indicating details of the photometry. Values listed in ObjectInfoFlags. |
| qualityFlag | dimensionless | TINYINT | 1 | 0 | Subset of objInfoFlag denoting whether this object is real or a likely false positive. Values listed in ObjectQualityFlags. |
| raStack | degrees | FLOAT | 8 | -999 | Right ascension from stack detections, weighted mean value across filters, in equinox J2000. See StackObjectThin for stack epoch information. |
| decStack | degrees | FLOAT | 8 | -999 | Declination from stack detections, weighted mean value across filters, in equinox J2000. See StackObjectThin for stack epoch information. |
| raStackErr | arcsec | REAL | 4 | -999 | Right ascension standard deviation from stack detections. |
| decStackErr | arcsec | REAL | 4 | -999 | Declination standard deviation from stack detections. |
| raMean | degrees | FLOAT | 8 | -999 | Right ascension from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean. |
| decMean | degrees | FLOAT | 8 | -999 | Declination from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean. |
| raMeanErr | arcsec | REAL | 4 | -999 | Right ascension standard deviation from single epoch detections. |
| decMeanErr | arcsec | REAL | 4 | -999 | Declination standard deviation from single epoch detections. |

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|--------------------------|---------------|----------|---|------|---|
| epochMean | days | FLOAT | 8 | -999 | Modified Julian Date of the mean epoch corresponding to raMean, decMean (equinox J2000). |
| posMeanChi sq | dimensionless | REAL | 4 | -999 | Reduced chi squared value of mean position. |
| cx | dimensionless | FLOAT | 8 | NA | Cartesian x on a unit sphere. |
| cy | dimensionless | FLOAT | 8 | NA | Cartesian y on a unit sphere. |
| cz | dimensionless | FLOAT | 8 | NA | Cartesian z on a unit sphere. |
| lambda | degrees | FLOAT | 8 | -999 | Ecliptic longitude. |
| beta | degrees | FLOAT | 8 | -999 | Ecliptic latitude. |
| l | degrees | FLOAT | 8 | -999 | Galactic longitude. |
| b | degrees | FLOAT | 8 | -999 | Galactic latitude. |
| nStackObject Rows | dimensionless | SMALLINT | 2 | -999 | Number of independent StackObjectThin rows associated with this object. |
| nStackDetections | dimensionless | SMALLINT | 2 | -999 | Number of stack detections. |
| nDetections | dimensionless | SMALLINT | 2 | -999 | Number of single epoch detections in all filters. |
| ng | dimensionless | SMALLINT | 2 | -999 | Number of single epoch detections in g filter. |
| nr | dimensionless | SMALLINT | 2 | -999 | Number of single epoch detections in r filter. |
| ni | dimensionless | SMALLINT | 2 | -999 | Number of single epoch detections in i filter. |
| nz | dimensionless | SMALLINT | 2 | -999 | Number of single epoch detections in z filter. |
| ny | dimensionless | SMALLINT | 2 | -999 | Number of single epoch detections in y filter. |
| 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. |

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| ic6flxR8Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 11.42$ arcsec. |
| ic6flxR8Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 11.42$ arcsec. |
| ic6flxR9 | Janskys | REAL | 4 | -999 | Flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| ic6flxR9Err | Janskys | REAL | 4 | -999 | Error in flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| ic6flxR9Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| ic6flxR9Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 18.20$ arcsec. |
| ic6flxR10 | Janskys | REAL | 4 | -999 | Flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| ic6flxR10Err | Janskys | REAL | 4 | -999 | Error in flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| ic6flxR10Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| ic6flxR10Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 28.20$ arcsec. |
| ic6flxR11 | Janskys | REAL | 4 | -999 | Flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| ic6flxR11Err | Janskys | REAL | 4 | -999 | Error in flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| ic6flxR11Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| ic6flxR11Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for i filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| 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. |
| zc6flxR3 | Janskys | REAL | 4 | -999 | Flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| zc6flxR3Err | Janskys | REAL | 4 | -999 | Error in flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| zc6flxR3Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| zc6flxR3Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.03$ arcsec. |
| zc6flxR4 | Janskys | REAL | 4 | -999 | Flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| zc6flxR4Err | Janskys | REAL | 4 | -999 | Error in flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| zc6flxR4Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| zc6flxR4Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 1.76$ arcsec. |
| zc6flxR5 | Janskys | REAL | 4 | -999 | Flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| zc6flxR5Err | Janskys | REAL | 4 | -999 | Error in flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| zc6flxR5Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| zc6flxR5Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for z filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 3.00$ arcsec. |
| zc6flxR6 | Janskys | REAL | 4 | -999 | Flux from z 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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| yc6flxR11Std | Janskys | REAL | 4 | -999 | Standard deviation of flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |
| yc6flxR11Fill | dimensionless | REAL | 4 | -999 | Aperture fill factor for y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius $r = 44.21$ arcsec. |