PS1 Database object and detection tables

This page describes the contents of the PanSTARRS-1 database object and detection tables. These tables have information such as positions, magnitudes, and morphological descriptions for the objects in the PS1 catalogs. They also include time-dependent measurements of those parameters. Tables with multi-epoch measurements are not included in the DR1 data release and are listed separately.

These descriptions are extracted from the PSPS Schema Browser interface created by the University of Hawaii. For a high-level overview of the tables, see the PS1 Source extraction and catalogs documentation page.

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The starting point for the PS1 data archive is at Pan-STARRS1 data archive home page.

Tables included in DR1

ObjectThin

Description: Contains the positional information for objects in a number of coordinate systems. The objects associate single epoch detections and the stacked detections within a one arcsecond radius. The mean position from the single epoch data is used as the basis for coordinates when available, or the position of an object in the stack when it is not. The right ascension and declination for both the stack and single epoch mean is provided. The number of detections in each filter from single epoch data is listed, along with which filters the object has a stack detection. References: Szalay, A. S., Gray, J., Fekete, G., et al. 2007, arXiv:cs /0701164.

Note that as of June 2022 the raMean and decMean positions have been updated using Gaia EDR3 and new columns have been added with proper motions for a subset of objects. See the PS1 Astrometry Correction Using Gaia EDR3 for more information.

Name	Unit	Data Type	Size	Default Value	Description

objName	dimensionless	VARCHAR(32)	32	NA	IAU name for this object.
objPSOName	dimensionless	VARCHAR(32)	32	NA	Alternate Pan-STARRS 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.
objPopularName	dimensionless	VARCHAR(140)	140		Well known 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.
htmID	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 and here
astrometryCorrectionFlag	dimensionless	INT	4	0	Information flag bitmask indicating details of the astrometry correction. Values listed in AstrometryCorrectionFlags and here
qualityFlag	dimensionless	TINYINT	1	0	Subset of objInfoFlag denoting whether this object is real or a likely false positive. Values listed in ObjectQualityFlags and here
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.
pmra	milliarcseconds per year	FLOAT	8	NULL	Proper motion in right ascension direction from single epoch detections.
pmdec	milliarcseconds per year	FLOAT	8	NULL	Proper motion in right ascension direction from single epoch detections.
pmraErr	milliarcseconds per year	FLOAT	8	NULL	RA proper motion standard deviation.
pmdecErr	milliarcseconds per year	FLOAT	8	NULL	Dec proper motion standard deviation.
epochMean	days	FLOAT	8	-999	Modified Julian Date of the mean epoch corresponding to raMean, decMean and pmra, pmdec (equinox J2000). This is a weighted mean of the PS1 observation epochs.
posMeanChisq	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.
nStackObjectRows	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.

MeanObject

Description: Contains the mean photometric information for objects based on the single epoch data, calculated as described in Magnier et al (2013). To be included in this table, an object must be bright enough to have been detected at least once in an individual exposure. PSF, Kron (1980), and aperture magnitudes and statistics are listed for all filters. References: Kron, R. G. 1980, ApJS, 43, 305; Magnier, E. A., Schlafly, E., Finkbeiner, D., et al. 2013, ApJS, 205, 20.

Name	Unit	Data Type	Size	Default Value	Description

objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsOBid	dimensionless	BIGINT	8	NA	Unique internal PSPS object identifier.
gQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from g filter detections.
gMeanPSFMag	AB magnitudes	REAL	4	-999	Mean PSF magnitude from g filter detections.
gMeanPSFMagErr	AB magnitudes	REAL	4	-999	Error in mean PSF magnitude from g filter detections.
gMeanPSFMagStd	AB magnitudes	REAL	4	-999	Standard deviation of PSF magnitudes from g filter detections.
gMeanPSFMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean PSF magnitude from g filter detections.
gMeanPSFMagMin	AB magnitudes	REAL	4	-999	Minimum PSF magnitude from g filter detections.
gMeanPSFMagMax	AB magnitudes	REAL	4	-999	Maximum PSF magnitude from g filter detections.
gMeanKronMag	AB magnitudes	REAL	4	-999	Mean Kron (1980) magnitude from g filter detections.
gMeanKronMagErr	AB magnitudes	REAL	4	-999	Error in mean Kron (1980) magnitude from g filter detections.
gMeanKronMagStd	AB magnitudes	REAL	4	-999	Standard deviation of Kron (1980) magnitudes from g filter detections.
gMeanKronMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean Kron (1980) magnitude from g filter detections.
gMeanApMag	AB magnitudes	REAL	4	-999	Mean aperture magnitude from g filter detections.
gMeanApMagErr	AB magnitudes	REAL	4	-999	Error in mean aperture magnitude from g filter detections.
gMeanApMagStd	AB magnitudes	REAL	4	-999	Standard deviation of aperture magnitudes from g filter detections.
gMeanApMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from g filter detections.
gFlags	dimensionless	INT	4	0	Information flag bitmask for mean object from g filter detections. Values listed in ObjectFilterFlags.
rQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from r filter detections.
rMeanPSFMag	AB magnitudes	REAL	4	-999	Mean PSF magnitude from r filter detections.
rMeanPSFMagErr	AB magnitudes	REAL	4	-999	Error in mean PSF magnitude from r filter detections.
rMeanPSFMagStd	AB magnitudes	REAL	4	-999	Standard deviation of PSF magnitudes from r filter detections.
rMeanPSFMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean PSF magnitude from r filter detections.
rMeanPSFMagMin	AB magnitudes	REAL	4	-999	Minimum PSF magnitude from r filter detections.
rMeanPSFMagMax	AB magnitudes	REAL	4	-999	Maximum PSF magnitude from r filter detections.

rMeanKronMag	AB magnitudes	REAL	4	-999	Mean Kron (1980) magnitude from r filter detections.
rMeanKronMagErr	AB magnitudes	REAL	4	-999	Error in mean Kron (1980) magnitude from r filter detections.
rMeanKronMagStd	AB magnitudes	REAL	4	-999	Standard deviation of Kron (1980) magnitudes from r filter detections.
rMeanKronMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean Kron (1980) magnitude from r filter detections.
rMeanApMag	AB magnitudes	REAL	4	-999	Mean aperture magnitude from r filter detections.
rMeanApMagErr	AB magnitudes	REAL	4	-999	Error in mean aperture magnitude from r filter detections.
rMeanApMagStd	AB magnitudes	REAL	4	-999	Standard deviation of aperture magnitudes from r filter detections.
rMeanApMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from r filter detections.
rFlags	dimensionless	INT	4	0	Information flag bitmask for mean object from r filter detections. Values listed in ObjectFilterFlags.
iQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from i filter detections.
iMeanPSFMag	AB magnitudes	REAL	4	-999	Mean PSF magnitude from i filter detections.
iMeanPSFMagErr	AB magnitudes	REAL	4	-999	Error in mean PSF magnitude from i filter detections.
iMeanPSFMagStd	AB magnitudes	REAL	4	-999	Standard deviation of PSF magnitudes from i filter detections.
iMeanPSFMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean PSF magnitude from i filter detections.
iMeanPSFMagMin	AB magnitudes	REAL	4	-999	Minimum PSF magnitude from i filter detections.
iMeanPSFMagMax	AB magnitudes	REAL	4	-999	Maximum PSF magnitude from i filter detections.
iMeanKronMag	AB magnitudes	REAL	4	-999	Mean Kron (1980) magnitude from i filter detections.
iMeanKronMagErr	AB magnitudes	REAL	4	-999	Error in mean Kron (1980) magnitude from i filter detections.
iMeanKronMagStd	AB magnitudes	REAL	4	-999	Standard deviation of Kron (1980) magnitudes from i filter detections.
iMeanKronMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean Kron (1980) magnitude from i filter detections.
iMeanApMag	AB magnitudes	REAL	4	-999	Mean aperture magnitude from i filter detections.
iMeanApMagErr	AB magnitudes	REAL	4	-999	Error in mean aperture magnitude from i filter detections.
iMeanApMagStd	AB magnitudes	REAL	4	-999	Standard deviation of aperture magnitudes from i filter detections.
iMeanApMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from i filter detections.

iFlags	dimensionless	INT	4	0	Information flag bitmask for mean object from i filter detections. Values listed in ObjectFilterFlags.
zQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from z filter detections.
zMeanPSFMag	AB magnitudes	REAL	4	-999	Mean PSF magnitude from z filter detections.
zMeanPSFMagErr	AB magnitudes	REAL	4	-999	Error in mean PSF magnitude from z filter detections.
zMeanPSFMagStd	AB magnitudes	REAL	4	-999	Standard deviation of PSF magnitudes from z filter detections.
zMeanPSFMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean PSF magnitude from z filter detections.
zMeanPSFMagMin	AB magnitudes	REAL	4	-999	Minimum PSF magnitude from z filter detections.
zMeanPSFMagMax	AB magnitudes	REAL	4	-999	Maximum PSF magnitude from z filter detections.
zMeanKronMag	AB magnitudes	REAL	4	-999	Mean Kron (1980) magnitude from z filter detections.
zMeanKronMagErr	AB magnitudes	REAL	4	-999	Error in mean Kron (1980) magnitude from z filter detections.
zMeanKronMagStd	AB magnitudes	REAL	4	-999	Standard deviation of Kron (1980) magnitudes from z filter detections.
zMeanKronMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean Kron (1980) magnitude from z filter detections.
zMeanApMag	AB magnitudes	REAL	4	-999	Mean aperture magnitude from z filter detections.
zMeanApMagErr	AB magnitudes	REAL	4	-999	Error in mean aperture magnitude from z filter detections.
zMeanApMagStd	AB magnitudes	REAL	4	-999	Standard deviation of aperture magnitudes from z filter detections.
zMeanApMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from z filter detections.
zFlags	dimensionless	INT	4	0	Information flag bitmask for mean object from z filter detections. Values listed in ObjectFilterFlags.
yQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from y filter detections.
yMeanPSFMag	AB magnitudes	REAL	4	-999	Mean PSF magnitude from y filter detections.
yMeanPSFMagErr	AB magnitudes	REAL	4	-999	Error in mean PSF magnitude from y filter detections.
yMeanPSFMagStd	AB magnitudes	REAL	4	-999	Standard deviation of PSF magnitudes from y filter detections.
yMeanPSFMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean PSF magnitude from y filter detections.
yMeanPSFMagMin	AB magnitudes	REAL	4	-999	Minimum PSF magnitude from y filter detections.
yMeanPSFMagMax	AB magnitudes	REAL	4	-999	Maximum PSF magnitude from y filter detections.

yMeanKronMag	AB magnitudes	REAL	4	-999	Mean Kron (1980) magnitude from y filter detections.
yMeanKronMagErr	AB magnitudes	REAL	4	-999	Error in mean Kron (1980) magnitude from y filter detections.
yMeanKronMagStd	AB magnitudes	REAL	4	-999	Standard deviation of Kron (1980) magnitudes from y filter detections.
yMeanKronMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean Kron (1980) magnitude from y filter detections.
yMeanApMag	AB magnitudes	REAL	4	-999	Mean aperture magnitude from y filter detections.
yMeanApMagErr	AB magnitudes	REAL	4	-999	Error in mean aperture magnitude from y filter detections.
yMeanApMagStd	AB magnitudes	REAL	4	-999	Standard deviation of aperture magnitudes from y filter detections.
yMeanApMagNpt	dimensionless	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from y filter detections.
yFlags	dimensionless	INT	4	0	Information flag bitmask for mean object from y filter detections. Values listed in ObjectFilterFlags.

AstrometryCorrection

Description: Contains metadata for objects that have had their astrometry corrected using Gaia EDR3. This table contains the original values from the ObjectThin table that have been updated, the replacement values that are in ObjectThin (highlighted in the comments), as well as additional information on the new astrometry. See PS1 Astrometry Correction Using Gaia EDR3 for details.

Most users will simply use the updated values in ObjectThin; the values in this table may be useful for ongoing research projects that rely on details of the original PS1 DR2 positions.

Name	Unit	Data Type	Size	Default Value	Description
objID	dimensionless	BIGINT	8	NA	Unique object identifier used to join to ObjectThin.
mdra	degrees	FLOAT	8	NA	Initial Right ascension position (J2000) determined from weighted mean of Detection positions (before Gaia correction).
mddec	degrees	FLOAT	8	NA	Initial Declination position (J2000) determined from weighted mean of Detection positions (before Gaia correction).
mdmjd	days	FLOAT	8	NA	**astrometry corrected replacement for epochMean in ObjectThin:** Modified Julian Date (MJD) of the mean epoch corresponding to positions and proper motions. This is the average of mdmjdra and mdmjddec.
mdmjdra	days	FLOAT	8	NA	Weighted mean MJD for measurements that contributed to mdra.
mdmjddec	days	FLOAT	8	NA	Weighted mean MJD for measurements that contributed to mddec.
nmd	dimensionless	INT	4	NA	Number of detection measurements used.
mdraErr	milliarcseconds	FLOAT	8	NA	**astrometry corrected replacement for raMeanErr in ObjectThin:** Standard deviation in RA from weighted single epoch errors. Value is converted to arcsec in ObjectThin.
mddecErr	milliarcseconds	FLOAT	8	NA	**astrometry corrected replacement for raMeanErr in ObjectThin:** Standard deviation in Dec from weighted single epoch errors. Value is converted to arcsec in ObjectThin.

mdpmra	milliarcseconds per year	FLOAT	8	NA	Proper motion in RA determined from weighted mean of Detection positions (before Gaia correction).
mdpmdec	milliarcseconds per year	FLOAT	8	NA	Proper motion in Dec determined from weighted mean of Detection positions (before Gaia correction).
mdpmraErr	milliarcseconds per year	FLOAT	8	NA	**new column pmraErr in ObjectThin:** Standard deviation in pmra from weighted single epoch errors.
mdpmdecErr	milliarcseconds per year	FLOAT	8	NA	**new column pmdecErr in ObjectThin:** Standard deviation in pmdec from weighted single epoch errors.
chisqra	dimensionless	FLOAT	8	NA	**astrometry corrected replacement for posMeanChisq in ObjectThin = (chisqra+chisqdec)/2:** Reduced chi-square in RA PM fit
chisqdec	dimensionless	FLOAT	8	NA	**astrometry corrected replacement for posMeanChisq in ObjectThin = (chisqra+chisqdec)/2:** Reduced chi-square in Dec PM fit
dcr	dimensionless	BIT	1	NA	Differential chromatic refraction correction applied: 1=yes, 0=no
ra	degrees	FLOAT	8	NA	**astrometry corrected replacement for raMean in ObjectThin:** RA from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean after correction using Gaia EDR3 using the algorithm described in the paper.
dec	degrees	FLOAT	8	NA	**astrometry corrected replacement for decMean in ObjectThin:** Dec from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean after correction using Gaia EDR3 using the algorithm described in the paper.
pmra	milliarcseconds per year	FLOAT	8	NA	**new column pmra in ObjectThin:** Proper motion in RA from single epoch detections after correction using Gaia EDR3 using the algorithm described in the paper.
pmdec	milliarcseconds per year	FLOAT	8	NA	**new column pmdec in ObjectThin:** Proper motion in Dec from single epoch detections after correction using Gaia EDR3 using the algorithm described in the paper.
cx	dimensionless	FLOAT	8	NA	**astrometry corrected replacement for cx in ObjectThin:** Cartesian x on a unit sphere.
cy	dimensionless	FLOAT	8	NA	**astrometry corrected replacement for cy in ObjectThin:** Cartesian y on a unit sphere.
cz	dimensionless	FLOAT	8	NA	**astrometry corrected replacement for cz in ObjectThin:** Cartesian z on a unit sphere.
htmid	dimensionless	BIGINT	8	NA	**astrometry corrected replacement for htmID in ObjectThin:** Hierarchical triangular mesh (Szalay 2007) index.
Values for columns below are the original values from ObjectThin, copied before the astrometry update was applied. **NOTE:** When querying this table, if these original column values are all NULL it indicates that the object (objid) does not exist in ObjectThin. That applies mainly to objects south of declination -30 degrees.					
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.

epochMean	days	FLOAT	8	-999	Modified Julian Date of the mean epoch corresponding to raMean, decMean (equinox J2000). Note that Gaia DR1 data is sometimes included in the mean position (see the FAQ for details); in those cases, the epochMean value is near the Gaia DR1 epoch 2015.5 = MJD 15023. As a result, epochMean is not necessarily near the mean value of the PS1 measurement dates. That is no longer true of the new astrometry-corrected value of epochMean – the new positions do not include any Gaia position or epoch information in the calculations except to calibrate local disortions in the PS1 coordinate system.
posMeanChisq	dimensionless	REAL	4	-999	Reduced chi squared value of mean position.
cxOrig	dimensionless	FLOAT	8	NA	Cartesian x on a unit sphere.
cyOrig	dimensionless	FLOAT	8	NA	Cartesian y on a unit sphere.
czOrig	dimensionless	FLOAT	8	NA	Cartesian z on a unit sphere.
htmIDOrig	dimensionless	BIGINT	8	NA	Hierarchical triangular mesh (Szalay 2007) index.

StackObjectThin

Description: Contains the positional and photometric information for point-source photometry of stack detections. The information for all filters are joined into a single row, with metadata indicating if this stack object represents the primary detection. Due to overlaps in the stack tessellations, an object may appear in multiple stack images. The primary detection is the unique detection from the stack image that provides the best coverage with minimal projection stretching. All other detections of the object in that filter are secondary, regardless of their properties. The detection flagged as best is the primary detection if that detection has a psfQf value greater than 0.98; if that is not met, then any of the primary or secondary detections with the highest psfQf value is flagged as best. References: Kron, R. G. 1980, ApJS, 43, 305; Magnier et al. 2015, in prep.

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.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
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.
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. Note that in the DR1 database, about 0.5% of the objects have more than one entry with primaryDetection=1. This may be fixed in a future modification of the DR2 database. Note also that as primaryDetection is entirely a geometric issue within a skycell, it is possible for an object (particularly if near the detection limit) to be undetected on the primary area within a skycell, but to appear on the overlapping non-primary area in an adjacent skycell. Such objects will not have any measurement which is flagged as a primaryDetection.

bestDetection	dimensionless	TINYINT	1	255	Identifies if this row is the best detection. The entries in this column are currently corrupted in the DR2 database and should not be used. We recommend using the primaryDetection flag instead (although it also has shortcomings - see above). This is planned to be fixed in DR2.1.
dvoRegionID	dimensionless	INT	4	-1	Internal DVO region identifier.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.
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.
gra	degrees	FLOAT	8	-999	Right ascension from g filter stack detection.
gdec	degrees	FLOAT	8	-999	Declination from g filter stack detection.
graErr	arcsec	REAL	4	-999	Right ascension error from g filter stack detection.
gdecErr	arcsec	REAL	4	-999	Declination error from g filter stack detection.
gEpoch	days	FLOAT	8	-999	Modified Julian Date of the mean epoch of images contributing to the the g-band stack (equinox J2000).
gPSFMag	AB magnitudes	REAL	4	-999	PSF magnitude from g filter stack detection.
gPSFMagErr	AB magnitudes	REAL	4	-999	Error in PSF magnitude from g filter stack detection.
gApMag	AB magnitudes	REAL	4	-999	Aperture magnitude from g filter stack detection.
gApMagErr	AB magnitudes	REAL	4	-999	Error in aperture magnitude from g filter stack detection.
gKronMag	AB magnitudes	REAL	4	-999	Kron (1980) magnitude from g filter stack detection.
gKronMagErr	AB magnitudes	REAL	4	-999	Error in Kron (1980) magnitude from g filter stack detection.
ginfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the g filter stack photometry. Values listed in DetectionFlags.
ginfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the g filter stack photometry. Values listed in DetectionFlags2.
ginfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the g filter stack photometry. Values listed in DetectionFlags3.
gnFrames	dimensionless	INT	4	-999	Number of input frames/exposures contributing to the 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.
rra	degrees	FLOAT	8	-999	Right ascension from r filter stack detection.
rdec	degrees	FLOAT	8	-999	Declination from r filter stack detection.
rraErr	arcsec	REAL	4	-999	Right ascension error from r filter stack detection.
rdecErr	arcsec	REAL	4	-999	Declination error from r filter stack detection.
rEpoch	days	FLOAT	8	-999	Modified Julian Date of the mean epoch of images contributing to the the r-band stack (equinox J2000).

rPSFMag	AB magnitudes	REAL	4	-999	PSF magnitude from r filter stack detection.
rPSFMagErr	AB magnitudes	REAL	4	-999	Error in PSF magnitude from r filter stack detection.
rApMag	AB magnitudes	REAL	4	-999	Aperture magnitude from r filter stack detection.
rApMagErr	AB magnitudes	REAL	4	-999	Error in aperture magnitude from r filter stack detection.
rKronMag	AB magnitudes	REAL	4	-999	Kron (1980) magnitude from r filter stack detection.
rKronMagErr	AB magnitudes	REAL	4	-999	Error in Kron (1980) magnitude from r filter stack detection.
rinfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the r filter stack photometry. Values listed in DetectionFlags.
rinfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the r filter stack photometry. Values listed in DetectionFlags2.
rinfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the r filter stack photometry. Values listed in DetectionFlags3.
rnFrames	dimensionless	INT	4	-999	Number of input frames/exposures contributing to the 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.
ira	degrees	FLOAT	8	-999	Right ascension from i filter stack detection.
idec	degrees	FLOAT	8	-999	Declination from i filter stack detection.
iraErr	arcsec	REAL	4	-999	Right ascension error from i filter stack detection.
idecErr	arcsec	REAL	4	-999	Declination error from i filter stack detection.
iEpoch	days	FLOAT	8	-999	Modified Julian Date of the mean epoch of images contributing to the the i-band stack (equinox J2000).
iPSFMag	AB magnitudes	REAL	4	-999	PSF magnitude from i filter stack detection.
iPSFMagErr	AB magnitudes	REAL	4	-999	Error in PSF magnitude from i filter stack detection.
iApMag	AB magnitudes	REAL	4	-999	Aperture magnitude from i filter stack detection.
iApMagErr	AB magnitudes	REAL	4	-999	Error in aperture magnitude from i filter stack detection.
iKronMag	AB magnitudes	REAL	4	-999	Kron (1980) magnitude from i filter stack detection.
iKronMagErr	AB magnitudes	REAL	4	-999	Error in Kron (1980) magnitude from i filter stack detection.
iinfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the i filter stack photometry. Values listed in DetectionFlags.
iinfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the i filter stack photometry. Values listed in DetectionFlags2.
iinfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the i filter stack photometry. Values listed in DetectionFlags3.

inFrames	dimensionless	INT	4	-999	Number of input frames/exposures contributing to the 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.
zra	degrees	FLOAT	8	-999	Right ascension from z filter stack detection.
zdec	degrees	FLOAT	8	-999	Declination from z filter stack detection.
zraErr	arcsec	REAL	4	-999	Right ascension error from z filter stack detection.
zdecErr	arcsec	REAL	4	-999	Declination error from z filter stack detection.
zEpoch	days	FLOAT	8	-999	Modified Julian Date of the mean epoch of images contributing to the the z-band stack (equinox J2000).
zPSFMag	AB magnitudes	REAL	4	-999	PSF magnitude from z filter stack detection.
zPSFMagErr	AB magnitudes	REAL	4	-999	Error in PSF magnitude from z filter stack detection.
zApMag	AB magnitudes	REAL	4	-999	Aperture magnitude from z filter stack detection.
zApMagErr	AB magnitudes	REAL	4	-999	Error in aperture magnitude from z filter stack detection.
zKronMag	AB magnitudes	REAL	4	-999	Kron (1980) magnitude from z filter stack detection.
zKronMagErr	AB magnitudes	REAL	4	-999	Error in Kron (1980) magnitude from z filter stack detection.
zinfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the z filter stack photometry. Values listed in DetectionFlags.
zinfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the z filter stack photometry. Values listed in DetectionFlags2.
zinfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the z filter stack photometry. Values listed in DetectionFlags3.
znFrames	dimensionless	INT	4	-999	Number of input frames/exposures contributing to the 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.
yra	degrees	FLOAT	8	-999	Right ascension from y filter stack detection.
ydec	degrees	FLOAT	8	-999	Declination from y filter stack detection.
yraErr	arcsec	REAL	4	-999	Right ascension error from y filter stack detection.
ydecErr	arcsec	REAL	4	-999	Declination error from y filter stack detection.
yEpoch	days	FLOAT	8	-999	Modified Julian Date of the mean epoch of images contributing to the the y-band stack (equinox J2000).
yPSFMag	AB magnitudes	REAL	4	-999	PSF magnitude from y filter stack detection.
yPSFMagErr	AB magnitudes	REAL	4	-999	Error in PSF magnitude from y filter stack detection.
yApMag	AB magnitudes	REAL	4	-999	Aperture magnitude from y filter stack detection.

yApMagErr	AB magnitudes	REAL	4	-999	Error in aperture magnitude from y filter stack detection.
yKronMag	AB magnitudes	REAL	4	-999	Kron (1980) magnitude from y filter stack detection.
yKronMagErr	AB magnitudes	REAL	4	-999	Error in Kron (1980) magnitude from y filter stack detection.
yinfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the y filter stack photometry. Values listed in DetectionFlags.
yinfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the y filter stack photometry. Values listed in DetectionFlags2.
yinfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the y filter stack photometry. Values listed in DetectionFlags3.
ynFrames	dimensionless	INT	4	-999	Number of input frames/exposures contributing to the y filter stack detection.

StackObjectAttributes

Description: Contains the PSF, Kron (1980), and aperture fluxes for all filters in a single row, along with point-source object shape parameters. See StackObjectThin table for discussion of primary, secondary, and best detections. References: Kron, R. G. 1980, ApJS, 43, 305.

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.
gxPos	sky pixels	REAL	4	-999	PSF x center location from g filter stack detection.
gyPos	sky pixels	REAL	4	-999	PSF y center location from g filter stack detection.
gxPosErr	sky pixels	REAL	4	-999	Error in PSF x center location from g filter stack detection.
gyPosErr	sky pixels	REAL	4	-999	Error in PSF y center location from g filter stack detection.
gpsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM from g filter stack detection.
gpsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM from g filter stack detection.
gpsfTheta	degrees	REAL	4	-999	PSF major axis orientation from g filter stack detection.
gpsfCore	dimensionless	REAL	4	-999	PSF core parameter k from g filter stack detection, where F = F0 / (1 + k r^2 + r^3.33).

gpsfLikelihood	dimensionless	REAL	4	-999	Likelihood that this g filter stack detection is best fit by a PSF.
gpsfQf	dimensionless	REAL	4	-999	PSF coverage factor for g filter stack detection.
gpsfQfPerfect	dimensionless	REAL	4	-999	PSF-weighted fraction of pixels totally unmasked for g filter stack detection.
gpsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit for g filter stack detection.
gmomentXX	arcsec^2	REAL	4	-999	Second moment M_xx for g filter stack detection.
gmomentXY	arcsec^2	REAL	4	-999	Second moment M_xy for g filter stack detection.
gmomentYY	arcsec^2	REAL	4	-999	Second moment M_yy for g filter stack detection.
gmomentR1	arcsec	REAL	4	-999	First radial moment for g filter stack detection.
gmomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting) for g filter stack detection.
gPSFFlux	Janskys	REAL	4	-999	PSF flux from g filter stack detection.
gPSFFluxErr	Janskys	REAL	4	-999	Error in PSF flux from g filter stack detection.
gApFlux	Janskys	REAL	4	-999	Aperture flux from g filter stack detection.
gApFluxErr	Janskys	REAL	4	-999	Error in aperture flux from g filter stack detection.
gApFillFac	dimensionless	REAL	4	-999	Aperture fill factor from g filter stack detection.
gApRadius	arcsec	REAL	4	-999	Aperture radius for g filter stack detection.
gKronFlux	Janskys	REAL	4	-999	Kron (1980) flux from g filter stack detection.
gKronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux from g filter stack detection.
gKronRad	arcsec	REAL	4	-999	Kron (1980) radius from g filter stack detection.
gexpTime	seconds	REAL	4	-999	Exposure time of the g filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
gExtNSigma	dimensionless	REAL	4	-999	An extendedness measure for the g filter stack detection based on the deviation between PSF and Kron (1980) magnitudes, normalized by the PSF magnitude uncertainty.
gsky	Janskys/arcsec^2	REAL	4	-999	Residual background sky level at the g filter stack detection.
gskyErr	Janskys/arcsec^2	REAL	4	-999	Error in residual background sky level at the g filter stack detection.
gzp	magnitudes	REAL	4	0	Photometric zeropoint for the g filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
gPlateScale	arcsec/pixel	REAL	4	0	Local plate scale for the g filter stack.
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.
rxPos	sky pixels	REAL	4	-999	PSF x center location from r filter stack detection.

ryPos	sky pixels	REAL	4	-999	PSF y center location from r filter stack detection.
rxPosErr	sky pixels	REAL	4	-999	Error in PSF x center location from r filter stack detection.
ryPosErr	sky pixels	REAL	4	-999	Error in PSF y center location from r filter stack detection.
rpsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM from r filter stack detection.
rpsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM from r filter stack detection.
rpsfTheta	degrees	REAL	4	-999	PSF major axis orientation from r filter stack detection.
rpsfCore	dimensionless	REAL	4	-999	PSF core parameter k from r filter stack detection, where F = F0 / (1 + k r^2 + r^3.33).
rpsfLikelihood	dimensionless	REAL	4	-999	Likelihood that this r filter stack detection is best fit by a PSF.
rpsfQf	dimensionless	REAL	4	-999	PSF coverage factor for r filter stack detection.
rpsfQfPerfect	dimensionless	REAL	4	-999	PSF-weighted fraction of pixels totally unmasked for r filter stack detection.
rpsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit for r filter stack detection.
rmomentXX	arcsec^2	REAL	4	-999	Second moment M_xx for r filter stack detection.
rmomentXY	arcsec^2	REAL	4	-999	Second moment M_xy for r filter stack detection.
rmomentYY	arcsec^2	REAL	4	-999	Second moment M_yy for r filter stack detection.
rmomentR1	arcsec	REAL	4	-999	First radial moment for r filter stack detection.
rmomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting) for r filter stack detection.
rPSFFlux	Janskys	REAL	4	-999	PSF flux from r filter stack detection.
rPSFFluxErr	Janskys	REAL	4	-999	Error in PSF flux from r filter stack detection.
rApFlux	Janskys	REAL	4	-999	Aperture flux from r filter stack detection.
rApFluxErr	Janskys	REAL	4	-999	Error in aperture flux from r filter stack detection.
rApFillFac	dimensionless	REAL	4	-999	Aperture fill factor from r filter stack detection.
rApRadius	arcsec	REAL	4	-999	Aperture radius for r filter stack detection.
rKronFlux	Janskys	REAL	4	-999	Kron (1980) flux from r filter stack detection.
rKronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux from r filter stack detection.
rKronRad	arcsec	REAL	4	-999	Kron (1980) radius from r filter stack detection.
rexpTime	seconds	REAL	4	-999	Exposure time of the r filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
rExtNSigma	dimensionless	REAL	4	-999	An extendedness measure for the r filter stack detection based on the deviation between PSF and Kron (1980) magnitudes, normalized by the PSF magnitude uncertainty.
rsky	Janskys/arcsec^2	REAL	4	-999	Residual background sky level at the r filter stack detection.
rskyErr	Janskys/arcsec^2	REAL	4	-999	Error in residual background sky level at the r filter stack detection.

rzp	magnitudes	REAL	4	0	Photometric zeropoint for the r filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
rPlateScale	arcsec/pixel	REAL	4	0	Local plate scale for the r filter stack.
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.
ixPos	sky pixels	REAL	4	-999	PSF x center location from i filter stack detection.
iyPos	sky pixels	REAL	4	-999	PSF y center location from i filter stack detection.
ixPosErr	sky pixels	REAL	4	-999	Error in PSF x center location from i filter stack detection.
iyPosErr	sky pixels	REAL	4	-999	Error in PSF y center location from i filter stack detection.
ipsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM from i filter stack detection.
ipsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM from i filter stack detection.
ipsfTheta	degrees	REAL	4	-999	PSF major axis orientation from i filter stack detection.
ipsfCore	dimensionless	REAL	4	-999	PSF core parameter k from i filter stack detection, where F = F0 / (1 + k r^2 + r^3.33).
ipsfLikelihood	dimensionless	REAL	4	-999	Likelihood that this i filter stack detection is best fit by a PSF.
ipsfQf	dimensionless	REAL	4	-999	PSF coverage factor for i filter stack detection.
ipsfQfPerfect	dimensionless	REAL	4	-999	PSF-weighted fraction of pixels totally unmasked for i filter stack detection.
ipsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit for i filter stack detection.
imomentXX	arcsec^2	REAL	4	-999	Second moment M_xx for i filter stack detection.
imomentXY	arcsec^2	REAL	4	-999	Second moment M_xy for i filter stack detection.
imomentYY	arcsec^2	REAL	4	-999	Second moment M_yy for i filter stack detection.
imomentR1	arcsec	REAL	4	-999	First radial moment for i filter stack detection.
imomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting) for i filter stack detection.
iPSFFlux	Janskys	REAL	4	-999	PSF flux from i filter stack detection.
iPSFFluxErr	Janskys	REAL	4	-999	Error in PSF flux from i filter stack detection.
iApFlux	Janskys	REAL	4	-999	Aperture flux from i filter stack detection.
iApFluxErr	Janskys	REAL	4	-999	Error in aperture flux from i filter stack detection.
iApFillFac	dimensionless	REAL	4	-999	Aperture fill factor from i filter stack detection.
iApRadius	arcsec	REAL	4	-999	Aperture radius for i filter stack detection.
iKronFlux	Janskys	REAL	4	-999	Kron (1980) flux from i filter stack detection.
iKronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux from i filter stack detection.
iKronRad	arcsec	REAL	4	-999	Kron (1980) radius from i filter stack detection.

iexpTime	seconds	REAL	4	-999	Exposure time of the i filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
iExtNSigma	dimensionless	REAL	4	-999	An extendedness measure for the i filter stack detection based on the deviation between PSF and Kron (1980) magnitudes, normalized by the PSF magnitude uncertainty.
isky	Janskys /arcsec^2	REAL	4	-999	Residual background sky level at the i filter stack detection.
iskyErr	Janskys /arcsec^2	REAL	4	-999	Error in residual background sky level at the i filter stack detection.
izp	magnitudes	REAL	4	0	Photometric zeropoint for the i filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
iPlateScale	arcsec /pixel	REAL	4	0	Local plate scale for the i filter stack.
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.
zxPos	sky pixels	REAL	4	-999	PSF x center location from z filter stack detection.
zyPos	sky pixels	REAL	4	-999	PSF y center location from z filter stack detection.
zxPosErr	sky pixels	REAL	4	-999	Error in PSF x center location from z filter stack detection.
zyPosErr	sky pixels	REAL	4	-999	Error in PSF y center location from z filter stack detection.
zpsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM from z filter stack detection.
zpsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM from z filter stack detection.
zpsfTheta	degrees	REAL	4	-999	PSF major axis orientation from z filter stack detection.
zpsfCore	dimensionless	REAL	4	-999	PSF core parameter k from z filter stack detection, where F = F0 / (1 + k r^2 + r^3.33).
zpsfLikelihood	dimensionless	REAL	4	-999	Likelihood that this z filter stack detection is best fit by a PSF.
zpsfQf	dimensionless	REAL	4	-999	PSF coverage factor for z filter stack detection.
zpsfQfPerfect	dimensionless	REAL	4	-999	PSF-weighted fraction of pixels totally unmasked for z filter stack detection.
zpsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit for z filter stack detection.
zmomentXX	arcsec^2	REAL	4	-999	Second moment M_xx for z filter stack detection.
zmomentXY	arcsec^2	REAL	4	-999	Second moment M_xy for z filter stack detection.
zmomentYY	arcsec^2	REAL	4	-999	Second moment M_yy for z filter stack detection.
zmomentR1	arcsec	REAL	4	-999	First radial moment for z filter stack detection.
zmomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting) for z filter stack detection.
zPSFFlux	Janskys	REAL	4	-999	PSF flux from z filter stack detection.
zPSFFluxErr	Janskys	REAL	4	-999	Error in PSF flux from z filter stack detection.

zApFlux	Janskys	REAL	4	-999	Aperture flux from z filter stack detection.
zApFluxErr	Janskys	REAL	4	-999	Error in aperture flux from z filter stack detection.
zApFillFac	dimensionless	REAL	4	-999	Aperture fill factor from z filter stack detection.
zApRadius	arcsec	REAL	4	-999	Aperture radius for z filter stack detection.
zKronFlux	Janskys	REAL	4	-999	Kron (1980) flux from z filter stack detection.
zKronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux from z filter stack detection.
zKronRad	arcsec	REAL	4	-999	Kron (1980) radius from z filter stack detection.
zexpTime	seconds	REAL	4	-999	Exposure time of the z filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
zExtNSigma	dimensionless	REAL	4	-999	An extendedness measure for the z filter stack detection based on the deviation between PSF and Kron (1980) magnitudes, normalized by the PSF magnitude uncertainty.
zsky	Janskys /arcsec^2	REAL	4	-999	Residual background sky level at the z filter stack detection.
zskyErr	Janskys /arcsec^2	REAL	4	-999	Error in residual background sky level at the z filter stack detection.
zzp	magnitudes	REAL	4	0	Photometric zeropoint for the z filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
zPlateScale	arcsec /pixel	REAL	4	0	Local plate scale for the z filter stack.
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.
yxPos	sky pixels	REAL	4	-999	PSF x center location from y filter stack detection.
yyPos	sky pixels	REAL	4	-999	PSF y center location from y filter stack detection.
yxPosErr	sky pixels	REAL	4	-999	Error in PSF x center location from y filter stack detection.
yyPosErr	sky pixels	REAL	4	-999	Error in PSF y center location from y filter stack detection.
ypsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM from y filter stack detection.
ypsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM from y filter stack detection.
ypsfTheta	degrees	REAL	4	-999	PSF major axis orientation from y filter stack detection.
ypsfCore	dimensionless	REAL	4	-999	PSF core parameter k from y filter stack detection, where F = F0 / (1 + k r^2 + r^3.33).
ypsfLikelihood	dimensionless	REAL	4	-999	Likelihood that this y filter stack detection is best fit by a PSF.
ypsfQf	dimensionless	REAL	4	-999	PSF coverage factor for y filter stack detection.
ypsfQfPerfect	dimensionless	REAL	4	-999	PSF-weighted fraction of pixels totally unmasked for y filter stack detection.
ypsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit for y filter stack detection.

ymomentXX	arcsec^2	REAL	4	-999	Second moment M_xx for y filter stack detection.
ymomentXY	arcsec^2	REAL	4	-999	Second moment M_xy for y filter stack detection.
ymomentYY	arcsec^2	REAL	4	-999	Second moment M_yy for y filter stack detection.
ymomentR1	arcsec	REAL	4	-999	First radial moment for y filter stack detection.
ymomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting) for y filter stack detection.
yPSFFlux	Janskys	REAL	4	-999	PSF flux from y filter stack detection.
yPSFFluxErr	Janskys	REAL	4	-999	Error in PSF flux from y filter stack detection.
yApFlux	Janskys	REAL	4	-999	Aperture flux from y filter stack detection.
yApFluxErr	Janskys	REAL	4	-999	Error in aperture flux from y filter stack detection.
yApFillFac	dimensionless	REAL	4	-999	Aperture fill factor from y filter stack detection.
yApRadius	arcsec	REAL	4	-999	Aperture radius for y filter stack detection.
yKronFlux	Janskys	REAL	4	-999	Kron (1980) flux from y filter stack detection.
yKronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux from y filter stack detection.
yKronRad	arcsec	REAL	4	-999	Kron (1980) radius from y filter stack detection.
yexpTime	seconds	REAL	4	-999	Exposure time of the y filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
yExtNSigma	dimensionless	REAL	4	-999	An extendedness measure for the y filter stack detection based on the deviation between PSF and Kron (1980) magnitudes, normalized by the PSF magnitude uncertainty.
ysky	Janskys/arcsec^2	REAL	4	-999	Residual background sky level at the y filter stack detection.
yskyErr	Janskys/arcsec^2	REAL	4	-999	Error in residual background sky level at the y filter stack detection.
yzp	magnitudes	REAL	4	0	Photometric zeropoint for the y filter stack. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
yPlateScale	arcsec/pixel	REAL	4	0	Local plate scale for the y filter stack.

StackApFlx

Description: Contains the unconvolved fluxes within the SDSS R5 (r = 3.00 arcsec), R6 (r = 4.63 arcsec), and R7 (r = 7.43 arcsec) apertures (Stoughton 2003). Convolved fluxes within these same apertures are also provided for images convolved to 6 sky pixels (1.5 arcsec) and 8 sky pixels (2.0 arcsec). All filters are matched into a single row. 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.
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.
gstackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
gstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for g filter detection.
gippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
gflxR5	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR5Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR6	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR6Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR7	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR7Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 7.43 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.
gc6flxR5FiII	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.
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.
gc6flxR6FiII	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.
gc8flxR5	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR5Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR6	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR6Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR7	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR7Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rstackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
rstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for r filter detection.
rippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
rflxR5	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR5Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR6	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR6Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 4.63 arcsec.

rflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR7	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR7Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 7.43 arcsec.
rc6flxR5	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 = 3.00 arcsec.
rc6flxR5Err	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 = 3.00 arcsec.
rc6flxR5Std	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 = 3.00 arcsec.
rc6flxR5Fill	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 = 3.00 arcsec.
rc6flxR6	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 = 4.63 arcsec.
rc6flxR6Err	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 = 4.63 arcsec.
rc6flxR6Std	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 = 4.63 arcsec.
rc6flxR6Fill	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 = 4.63 arcsec.
rc6flxR7	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 = 7.43 arcsec.
rc6flxR7Err	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 = 7.43 arcsec.
rc6flxR7Std	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 = 7.43 arcsec.
rc6flxR7Fill	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 = 7.43 arcsec.
rc8flxR5	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR5Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR6	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR6Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.

rc8flxR6 Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR6 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR7	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rc8flxR7 Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rc8flxR7 Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rc8flxR7 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
istackDe tectID	dimens ionless	BIGINT	8	NA	Unique stack detection identifier.
istackIm ageID	dimens ionless	BIGINT	8	NA	Unique stack identifier for i filter detection.
iippDete ctID	dimens ionless	BIGINT	8	NA	IPP internal detection identifier.
iflxR5	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR5Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR5Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR6	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR6Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR6Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR7	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR7Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR7Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 7.43 arcsec.
ic6flxR5	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 = 3.00 arcsec.
ic6flxR5 Err	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 = 3.00 arcsec.
ic6flxR5 Std	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 = 3.00 arcsec.
ic6flxR5 Fill	dimens ionless	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 = 3.00 arcsec.
ic6flxR6	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 = 4.63 arcsec.

ic6flxR6 Err	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 = 4.63 arcsec.
ic6flxR6 Std	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 = 4.63 arcsec.
ic6flxR6 Fill	dimens ionless	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 = 4.63 arcsec.
ic6flxR7	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 = 7.43 arcsec.
ic6flxR7 Err	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 = 7.43 arcsec.
ic6flxR7 Std	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 = 7.43 arcsec.
ic6flxR7 Fill	dimens ionless	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 = 7.43 arcsec.
ic8flxR5	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR5 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR5 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR5 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR6	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR6 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR6 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR6 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR7	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR7 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR7 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR7 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zstackD etectID	dimens ionless	BIGINT	8	NA	Unique stack detection identifier.
zstackI mageID	dimens ionless	BIGINT	8	NA	Unique stack identifier for z filter detection.
zippDet ectID	dimens ionless	BIGINT	8	NA	IPP internal detection identifier.
zflxR5	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR5Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 3.00 arcsec.

zflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR6	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR6Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR7	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 7.43 arcsec.
zflxR7Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 7.43 arcsec.
zflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 7.43 arcsec.
zflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 7.43 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.
zc6flxR6Err	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 = 4.63 arcsec.
zc6flxR6Std	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 = 4.63 arcsec.
zc6flxR6Fill	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 = 4.63 arcsec.
zc6flxR7	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 = 7.43 arcsec.
zc6flxR7Err	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 = 7.43 arcsec.
zc6flxR7Std	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 = 7.43 arcsec.
zc6flxR7Fill	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 = 7.43 arcsec.
zc8flxR5	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR5Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.

zc8flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR6	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR6Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR7	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR7Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ystackDetectID	dimensionless	BIGINT	8	NA	Unique stack detection identifier.
ystackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for y filter detection.
yippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
yflxR5	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR5Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR6	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR6Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR7	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR7Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 7.43 arcsec.
yc6flxR5	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 3.00 arcsec.
yc6flxR5Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 3.00 arcsec.

yc6flxR5 Std	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 = 3.00 arcsec.
yc6flxR5 Fill	dimens ionless	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 = 3.00 arcsec.
yc6flxR6	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 4.63 arcsec.
yc6flxR6 Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 4.63 arcsec.
yc6flxR6 Std	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 = 4.63 arcsec.
yc6flxR6 Fill	dimens ionless	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 = 4.63 arcsec.
yc6flxR7	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 7.43 arcsec.
yc6flxR7 Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 7.43 arcsec.
yc6flxR7 Std	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 = 7.43 arcsec.
yc6flxR7 Fill	dimens ionless	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 = 7.43 arcsec.
yc8flxR5	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR5 Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR5 Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR5 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR6	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR6 Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR6 Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR6 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR7	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR7 Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR7 Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR7 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.

StackApFlxExGalUnc

Description: Contains the unconvolved 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. 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.
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.
gflxR3	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 1.03 arcsec.
gflxR3Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 1.03 arcsec.
gflxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 1.03 arcsec.
gflxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 1.03 arcsec.
gflxR4	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 1.76 arcsec.
gflxR4Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 1.76 arcsec.
gflxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 1.76 arcsec.
gflxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 1.76 arcsec.
gflxR5	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR5Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 3.00 arcsec.
gflxR6	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR6Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 4.63 arcsec.

gflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 4.63 arcsec.
gflxR7	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR7Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 7.43 arcsec.
gflxR8	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 11.42 arcsec.
gflxR8Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 11.42 arcsec.
gflxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 11.42 arcsec.
gflxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 11.42 arcsec.
gflxR9	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 18.20 arcsec.
gflxR9Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 18.20 arcsec.
gflxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 18.20 arcsec.
gflxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 18.20 arcsec.
gflxR10	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 28.20 arcsec.
gflxR10Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 28.20 arcsec.
gflxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 28.20 arcsec.
gflxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection within an aperture of radius r = 28.20 arcsec.
gflxR11	Janskys	REAL	4	-999	Flux from g filter detection within an aperture of radius r = 44.21 arcsec.
gflxR11Err	Janskys	REAL	4	-999	Error in flux from g filter detection within an aperture of radius r = 44.21 arcsec.
gflxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection within an aperture of radius r = 44.21 arcsec.
gflxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection 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.
rflxR3	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 1.03 arcsec.
rflxR3Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 1.03 arcsec.
rflxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 1.03 arcsec.
rflxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 1.03 arcsec.
rflxR4	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 1.76 arcsec.
rflxR4Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 1.76 arcsec.

rflxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 1.76 arcsec.
rflxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 1.76 arcsec.
rflxR5	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR5Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 3.00 arcsec.
rflxR6	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR6Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 4.63 arcsec.
rflxR7	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR7Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 7.43 arcsec.
rflxR8	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 11.42 arcsec.
rflxR8Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 11.42 arcsec.
rflxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 11.42 arcsec.
rflxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 11.42 arcsec.
rflxR9	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 18.20 arcsec.
rflxR9Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 18.20 arcsec.
rflxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 18.20 arcsec.
rflxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 18.20 arcsec.
rflxR10	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 28.20 arcsec.
rflxR10Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 28.20 arcsec.
rflxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 28.20 arcsec.
rflxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 28.20 arcsec.
rflxR11	Janskys	REAL	4	-999	Flux from r filter detection within an aperture of radius r = 44.21 arcsec.
rflxR11Err	Janskys	REAL	4	-999	Error in flux from r filter detection within an aperture of radius r = 44.21 arcsec.
rflxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection within an aperture of radius r = 44.21 arcsec.
rflxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection within an aperture of radius r = 44.21 arcsec.

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.
iflxR3	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 1.03 arcsec.
iflxR3Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 1.03 arcsec.
iflxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 1.03 arcsec.
iflxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 1.03 arcsec.
iflxR4	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 1.76 arcsec.
iflxR4Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 1.76 arcsec.
iflxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 1.76 arcsec.
iflxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 1.76 arcsec.
iflxR5	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR5Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 3.00 arcsec.
iflxR6	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR6Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 4.63 arcsec.
iflxR7	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR7Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 7.43 arcsec.
iflxR8	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 11.42 arcsec.
iflxR8Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 11.42 arcsec.
iflxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 11.42 arcsec.
iflxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 11.42 arcsec.
iflxR9	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 18.20 arcsec.
iflxR9Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 18.20 arcsec.
iflxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 18.20 arcsec.

iflxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 18.20 arcsec.
iflxR10	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 28.20 arcsec.
iflxR10Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 28.20 arcsec.
iflxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 28.20 arcsec.
iflxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection within an aperture of radius r = 28.20 arcsec.
iflxR11	Janskys	REAL	4	-999	Flux from i filter detection within an aperture of radius r = 44.21 arcsec.
iflxR11Err	Janskys	REAL	4	-999	Error in flux from i filter detection within an aperture of radius r = 44.21 arcsec.
iflxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection within an aperture of radius r = 44.21 arcsec.
iflxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection 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.
zflxR3	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 1.03 arcsec.
zflxR3Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 1.03 arcsec.
zflxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 1.03 arcsec.
zflxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 1.03 arcsec.
zflxR4	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 1.76 arcsec.
zflxR4Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 1.76 arcsec.
zflxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 1.76 arcsec.
zflxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 1.76 arcsec.
zflxR5	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR5Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 3.00 arcsec.
zflxR6	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR6Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 4.63 arcsec.
zflxR7	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 7.43 arcsec.
zflxR7Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 7.43 arcsec.

zflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 7.43 arcsec.
zflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 7.43 arcsec.
zflxR8	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 11.42 arcsec.
zflxR8Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 11.42 arcsec.
zflxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 11.42 arcsec.
zflxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 11.42 arcsec.
zflxR9	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 18.20 arcsec.
zflxR9Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 18.20 arcsec.
zflxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 18.20 arcsec.
zflxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 18.20 arcsec.
zflxR10	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 28.20 arcsec.
zflxR10Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 28.20 arcsec.
zflxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 28.20 arcsec.
zflxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 28.20 arcsec.
zflxR11	Janskys	REAL	4	-999	Flux from z filter detection within an aperture of radius r = 44.21 arcsec.
zflxR11Err	Janskys	REAL	4	-999	Error in flux from z filter detection within an aperture of radius r = 44.21 arcsec.
zflxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection within an aperture of radius r = 44.21 arcsec.
zflxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection within an aperture of radius r = 44.21 arcsec.
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.
yflxR3	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 1.03 arcsec.
yflxR3Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 1.03 arcsec.
yflxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 1.03 arcsec.
yflxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 1.03 arcsec.
yflxR4	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 1.76 arcsec.
yflxR4Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 1.76 arcsec.
yflxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 1.76 arcsec.
yflxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 1.76 arcsec.
yflxR5	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 3.00 arcsec.

yflxR5Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 3.00 arcsec.
yflxR6	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR6Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 4.63 arcsec.
yflxR7	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR7Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 7.43 arcsec.
yflxR8	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 11.42 arcsec.
yflxR8Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 11.42 arcsec.
yflxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 11.42 arcsec.
yflxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 11.42 arcsec.
yflxR9	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 18.20 arcsec.
yflxR9Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 18.20 arcsec.
yflxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 18.20 arcsec.
yflxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 18.20 arcsec.
yflxR10	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 28.20 arcsec.
yflxR10Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 28.20 arcsec.
yflxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 28.20 arcsec.
yflxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 28.20 arcsec.
yflxR11	Janskys	REAL	4	-999	Flux from y filter detection within an aperture of radius r = 44.21 arcsec.
yflxR11Err	Janskys	REAL	4	-999	Error in flux from y filter detection within an aperture of radius r = 44.21 arcsec.
yflxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection within an aperture of radius r = 44.21 arcsec.
yflxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection within an aperture of radius r = 44.21 arcsec.

StackApFlxExGalCon6

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.
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.
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.
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.
rc6flxR4Err	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 = 1.76 arcsec.
rc6flxR4Std	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 = 1.76 arcsec.
rc6flxR4Fill	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 = 1.76 arcsec.
rc6flxR5	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 = 3.00 arcsec.
rc6flxR5Err	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 = 3.00 arcsec.
rc6flxR5Std	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 = 3.00 arcsec.
rc6flxR5Fill	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 = 3.00 arcsec.
rc6flxR6	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 = 4.63 arcsec.
rc6flxR6Err	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 = 4.63 arcsec.
rc6flxR6Std	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 = 4.63 arcsec.
rc6flxR6Fill	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 = 4.63 arcsec.
rc6flxR7	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 = 7.43 arcsec.
rc6flxR7Err	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 = 7.43 arcsec.

rc6flxR7 Std	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 = 7.43 arcsec.
rc6flxR7 Fill	dimens ionless	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 = 7.43 arcsec.
rc6flxR8	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 = 11.42 arcsec.
rc6flxR8 Err	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 = 11.42 arcsec.
rc6flxR8 Std	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 = 11.42 arcsec.
rc6flxR8 Fill	dimens ionless	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 = 11.42 arcsec.
rc6flxR9	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 = 18.20 arcsec.
rc6flxR9 Err	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 = 18.20 arcsec.
rc6flxR9 Std	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 = 18.20 arcsec.
rc6flxR9 Fill	dimens ionless	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 = 18.20 arcsec.
rc6flxR10	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 = 28.20 arcsec.
rc6flxR1 0Err	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 = 28.20 arcsec.
rc6flxR1 0Std	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 = 28.20 arcsec.
rc6flxR1 0Fill	dimens ionless	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 = 28.20 arcsec.
rc6flxR11	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 = 44.21 arcsec.
rc6flxR1 1Err	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 = 44.21 arcsec.
rc6flxR1 1Std	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 = 44.21 arcsec.
rc6flxR1 1Fill	dimens ionless	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 = 44.21 arcsec.
iippDete ctID	dimens ionless	BIGINT	8	NA	IPP internal detection identifier.
istackD etectID	dimens ionless	BIGINT	8	NA	Unique stack detection identifier.
istackIm ageID	dimens ionless	BIGINT	8	NA	Unique stack identifier for i filter detection.
ic6flxR3	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 = 1.03 arcsec.
ic6flxR3 Err	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 = 1.03 arcsec.

ic6flxR3 Std	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 = 1.03 arcsec.
ic6flxR3 Fill	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 = 1.03 arcsec.
ic6flxR4	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 = 1.76 arcsec.
ic6flxR4 Err	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 = 1.76 arcsec.
ic6flxR4 Std	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 = 1.76 arcsec.
ic6flxR4 Fill	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 = 1.76 arcsec.
ic6flxR5	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 = 3.00 arcsec.
ic6flxR5 Err	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 = 3.00 arcsec.
ic6flxR5 Std	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 = 3.00 arcsec.
ic6flxR5 Fill	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 = 3.00 arcsec.
ic6flxR6	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 = 4.63 arcsec.
ic6flxR6 Err	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 = 4.63 arcsec.
ic6flxR6 Std	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 = 4.63 arcsec.
ic6flxR6 Fill	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 = 4.63 arcsec.
ic6flxR7	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 = 7.43 arcsec.
ic6flxR7 Err	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 = 7.43 arcsec.
ic6flxR7 Std	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 = 7.43 arcsec.
ic6flxR7 Fill	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 = 7.43 arcsec.
ic6flxR8	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 = 11.42 arcsec.
ic6flxR8 Err	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 = 11.42 arcsec.
ic6flxR8 Std	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.
ic6flxR8 Fill	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.
ic6flxR9 Err	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.
ic6flxR9 Std	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.
ic6flxR9 Fill	dimens ionless	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.
ic6flxR1 0Err	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.
ic6flxR1 0Std	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.
ic6flxR1 0Fill	dimens ionless	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.
ic6flxR1 1Err	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.
ic6flxR1 1Std	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.
ic6flxR1 1Fill	dimens ionless	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.
zippDet ectID	dimens ionless	BIGINT	8	NA	IPP internal detection identifier.
zstackD etectID	dimens ionless	BIGINT	8	NA	Unique stack detection identifier.
zstackI mageID	dimens ionless	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.
zc6flxR3 Err	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.
zc6flxR3 Std	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.
zc6flxR3 Fill	dimens ionless	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.
zc6flxR4 Err	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.
zc6flxR4 Std	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.
zc6flxR4 Fill	dimens ionless	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.
zc6flxR5 Err	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.
zc6flxR5 Std	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.
zc6flxR5 Fill	dimens ionless	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.
zc6flxR6 Err	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 = 4.63 arcsec.
zc6flxR6 Std	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 = 4.63 arcsec.
zc6flxR6 Fill	dimens ionless	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 = 4.63 arcsec.
zc6flxR7	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 = 7.43 arcsec.
zc6flxR7 Err	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 = 7.43 arcsec.
zc6flxR7 Std	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 = 7.43 arcsec.
zc6flxR7 Fill	dimens ionless	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 = 7.43 arcsec.
zc6flxR8	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 = 11.42 arcsec.
zc6flxR8 Err	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 = 11.42 arcsec.
zc6flxR8 Std	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 = 11.42 arcsec.
zc6flxR8 Fill	dimens ionless	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 = 11.42 arcsec.
zc6flxR9	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 = 18.20 arcsec.
zc6flxR9 Err	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 = 18.20 arcsec.
zc6flxR9 Std	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 = 18.20 arcsec.
zc6flxR9 Fill	dimens ionless	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 = 18.20 arcsec.
zc6flxR10	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 = 28.20 arcsec.
zc6flxR10Err	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 = 28.20 arcsec.

zc6flxR10Std	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 = 28.20 arcsec.
zc6flxR10Fill	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 = 28.20 arcsec.
zc6flxR11	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 = 44.21 arcsec.
zc6flxR11Err	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 = 44.21 arcsec.
zc6flxR11Std	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 = 44.21 arcsec.
zc6flxR11Fill	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 = 44.21 arcsec.
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.
yc6flxR3	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 1.03 arcsec.
yc6flxR3Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 1.03 arcsec.
yc6flxR3Std	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 = 1.03 arcsec.
yc6flxR3Fill	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 = 1.03 arcsec.
yc6flxR4	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 1.76 arcsec.
yc6flxR4Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 1.76 arcsec.
yc6flxR4Std	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 = 1.76 arcsec.
yc6flxR4Fill	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 = 1.76 arcsec.
yc6flxR5	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 3.00 arcsec.
yc6flxR5Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 3.00 arcsec.
yc6flxR5Std	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 = 3.00 arcsec.
yc6flxR5Fill	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 = 3.00 arcsec.
yc6flxR6	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 4.63 arcsec.
yc6flxR6Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 4.63 arcsec.

yc6flxR6Std	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 = 4.63 arcsec.
yc6flxR6Fill	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 = 4.63 arcsec.
yc6flxR7	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 7.43 arcsec.
yc6flxR7Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 7.43 arcsec.
yc6flxR7Std	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 = 7.43 arcsec.
yc6flxR7Fill	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 = 7.43 arcsec.
yc6flxR8	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 11.42 arcsec.
yc6flxR8Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 11.42 arcsec.
yc6flxR8Std	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 = 11.42 arcsec.
yc6flxR8Fill	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 = 11.42 arcsec.
yc6flxR9	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 18.20 arcsec.
yc6flxR9Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 18.20 arcsec.
yc6flxR9Std	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 = 18.20 arcsec.
yc6flxR9Fill	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 = 18.20 arcsec.
yc6flxR10	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 28.20 arcsec.
yc6flxR10Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 6 sky pixels (1.5 arcsec) within an aperture of radius r = 28.20 arcsec.
yc6flxR10Std	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 = 28.20 arcsec.
yc6flxR10Fill	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 = 28.20 arcsec.
yc6flxR11	Janskys	REAL	4	-999	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.
yc6flxR11Err	Janskys	REAL	4	-999	Error in 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.
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.

StackApFlxExGalCon8

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 8 sky pixels (2.0 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.
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.
gc8flxR3	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
gc8flxR3Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
gc8flxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
gc8flxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
gc8flxR4	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
gc8flxR4Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
gc8flxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
gc8flxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
gc8flxR5	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR5Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.

gc8flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
gc8flxR6	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR6Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
gc8flxR7	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR7Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
gc8flxR8	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
gc8flxR8Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
gc8flxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
gc8flxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
gc8flxR9	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
gc8flxR9Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
gc8flxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
gc8flxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
gc8flxR10	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
gc8flxR10Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
gc8flxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
gc8flxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
gc8flxR11	Janskys	REAL	4	-999	Flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.

gc8flxR11Err	Janskys	REAL	4	-999	Error in flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
gc8flxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from g filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
gc8flxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for g filter detection convolved to a target of 8 sky pixels (2.0 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.
rc8flxR3	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
rc8flxR3Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
rc8flxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
rc8flxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
rc8flxR4	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
rc8flxR4Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
rc8flxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
rc8flxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
rc8flxR5	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR5Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
rc8flxR6	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR6Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
rc8flxR7	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.

rc8flxR7 Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rc8flxR7 Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rc8flxR7 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
rc8flxR8	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
rc8flxR8 Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
rc8flxR8 Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
rc8flxR8 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
rc8flxR9	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
rc8flxR9 Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
rc8flxR9 Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
rc8flxR9 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
rc8flxR10	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
rc8flxR1 0Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
rc8flxR1 0Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
rc8flxR1 0Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
rc8flxR11	Janskys	REAL	4	-999	Flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
rc8flxR1 1Err	Janskys	REAL	4	-999	Error in flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
rc8flxR1 1Std	Janskys	REAL	4	-999	Standard deviation of flux from r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
rc8flxR1 1Fill	dimens ionless	REAL	4	-999	Aperture fill factor for r filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
iippDete ctID	dimens ionless	BIGINT	8	NA	IPP internal detection identifier.
istackD etectID	dimens ionless	BIGINT	8	NA	Unique stack detection identifier.
istackIm ageID	dimens ionless	BIGINT	8	NA	Unique stack identifier for i filter detection.
ic8flxR3	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.

ic8flxR3 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
ic8flxR3 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
ic8flxR3 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
ic8flxR4	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
ic8flxR4 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
ic8flxR4 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
ic8flxR4 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
ic8flxR5	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR5 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR5 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR5 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
ic8flxR6	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR6 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR6 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR6 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
ic8flxR7	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR7 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR7 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR7 Fill	dimens ionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
ic8flxR8	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
ic8flxR8 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
ic8flxR8 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.

ic8flxR8 Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
ic8flxR9	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
ic8flxR9 Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
ic8flxR9 Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
ic8flxR9 Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
ic8flxR10	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
ic8flxR10Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
ic8flxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
ic8flxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
ic8flxR11	Janskys	REAL	4	-999	Flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
ic8flxR11Err	Janskys	REAL	4	-999	Error in flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
ic8flxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from i filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
ic8flxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for i filter detection convolved to a target of 8 sky pixels (2.0 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.
zc8flxR3	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
zc8flxR3 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
zc8flxR3 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
zc8flxR3 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
zc8flxR4	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
zc8flxR4 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
zc8flxR4 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.

zc8flxR4 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
zc8flxR5	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR5 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR5 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR5 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
zc8flxR6	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR6 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR6 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR6 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
zc8flxR7	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR7 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR7 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR7 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
zc8flxR8	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
zc8flxR8 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
zc8flxR8 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
zc8flxR8 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
zc8flxR9	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
zc8flxR9 Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
zc8flxR9 Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
zc8flxR9 Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
zc8flxR10	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.

zc8flxR10Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
zc8flxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
zc8flxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
zc8flxR11	Janskys	REAL	4	-999	Flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
zc8flxR11Err	Janskys	REAL	4	-999	Error in flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
zc8flxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
zc8flxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for z filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
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.
yc8flxR3	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
yc8flxR3Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
yc8flxR3Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
yc8flxR3Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.03 arcsec.
yc8flxR4	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
yc8flxR4Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
yc8flxR4Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
yc8flxR4Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 1.76 arcsec.
yc8flxR5	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR5Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 3.00 arcsec.
yc8flxR6	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.

yc8flxR6Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 4.63 arcsec.
yc8flxR7	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR7Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 7.43 arcsec.
yc8flxR8	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
yc8flxR8Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
yc8flxR8Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
yc8flxR8Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 11.42 arcsec.
yc8flxR9	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
yc8flxR9Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
yc8flxR9Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
yc8flxR9Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 18.20 arcsec.
yc8flxR10	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
yc8flxR10Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
yc8flxR10Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
yc8flxR10Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 28.20 arcsec.
yc8flxR11	Janskys	REAL	4	-999	Flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
yc8flxR11Err	Janskys	REAL	4	-999	Error in flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.
yc8flxR11Std	Janskys	REAL	4	-999	Standard deviation of flux from y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.

yc8flxR11Fill	dimensionless	REAL	4	-999	Aperture fill factor for y filter detection convolved to a target of 8 sky pixels (2.0 arcsec) within an aperture of radius r = 44.21 arcsec.

StackModelFitExp

Description: Contains the exponential fit parameters to extended sources. See StackObjectThin table for discussion of primary, secondary, and best detections.

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.
gExpRadius	arcsec	REAL	4	-999	Exponential fit radius for g filter stack detection.
gExpRadiusErr	arcsec	REAL	4	-999	Error in exponential fit radius for g filter stack detection.
gExpMag	AB magnitudes	REAL	4	-999	Exponential fit magnitude for g filter stack detection.
gExpMagErr	AB magnitudes	REAL	4	-999	Error in exponential fit magnitude for g filter stack detection.
gExpAb	dimensionless	REAL	4	-999	Exponential fit axis ratio for g filter stack detection.
gExpAbErr	dimensionless	REAL	4	-999	Error in exponential fit axis ratio for g filter stack detection.
gExpPhi	degrees	REAL	4	-999	Major axis position angle, phi, of exponential fit for g filter stack detection.
gExpPhiErr	degrees	REAL	4	-999	Error in major axis position angle of exponential fit for g filter stack detection.
gExpRa	degrees	FLOAT	8	-999	Right ascension of exponential fit center for g filter stack detection.
gExpDec	degrees	FLOAT	8	-999	Declination of exponential fit center for g filter stack detection.
gExpRaErr	arcsec	REAL	4	-999	Error in right ascension of exponential fit center for g filter stack detection.
gExpDecErr	arcsec	REAL	4	-999	Error in declination of exponential fit center for g filter stack detection.
gExpChisq	dimensionless	REAL	4	-999	Exponential 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.
rExpRadius	arcsec	REAL	4	-999	Exponential fit radius for r filter stack detection.
rExpRadiusErr	arcsec	REAL	4	-999	Error in exponential fit radius for r filter stack detection.
rExpMag	AB magnitudes	REAL	4	-999	Exponential fit magnitude for r filter stack detection.
rExpMagErr	AB magnitudes	REAL	4	-999	Error in exponential fit magnitude for r filter stack detection.
rExpAb	dimensionless	REAL	4	-999	Exponential fit axis ratio for r filter stack detection.
rExpAbErr	dimensionless	REAL	4	-999	Error in exponential fit axis ratio for r filter stack detection.
rExpPhi	degrees	REAL	4	-999	Major axis position angle, phi, of exponential fit for r filter stack detection.
rExpPhiErr	degrees	REAL	4	-999	Error in major axis position angle of exponential fit for r filter stack detection.
rExpRa	degrees	FLOAT	8	-999	Right ascension of exponential fit center for r filter stack detection.
rExpDec	degrees	FLOAT	8	-999	Declination of exponential fit center for r filter stack detection.
rExpRaErr	arcsec	REAL	4	-999	Error in right ascension of exponential fit center for r filter stack detection.
rExpDecErr	arcsec	REAL	4	-999	Error in declination of exponential fit center for r filter stack detection.
rExpChisq	dimensionless	REAL	4	-999	Exponential 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.
iExpRadius	arcsec	REAL	4	-999	Exponential fit radius for i filter stack detection.
iExpRadiusErr	arcsec	REAL	4	-999	Error in exponential fit radius for i filter stack detection.
iExpMag	AB magnitudes	REAL	4	-999	Exponential fit magnitude for i filter stack detection.
iExpMagErr	AB magnitudes	REAL	4	-999	Error in exponential fit magnitude for i filter stack detection.
iExpAb	dimensionless	REAL	4	-999	Exponential fit axis ratio for i filter stack detection.
iExpAbErr	dimensionless	REAL	4	-999	Error in exponential fit axis ratio for i filter stack detection.
iExpPhi	degrees	REAL	4	-999	Major axis position angle, phi, of exponential fit for i filter stack detection.
iExpPhiErr	degrees	REAL	4	-999	Error in major axis position angle of exponential fit for i filter stack detection.
iExpRa	degrees	FLOAT	8	-999	Right ascension of exponential fit center for i filter stack detection.
iExpDec	degrees	FLOAT	8	-999	Declination of exponential fit center for i filter stack detection.
iExpRaErr	arcsec	REAL	4	-999	Error in right ascension of exponential fit center for i filter stack detection.
iExpDecErr	arcsec	REAL	4	-999	Error in declination of exponential fit center for i filter stack detection.
iExpChisq	dimensionless	REAL	4	-999	Exponential 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.
zExpRadius	arcsec	REAL	4	-999	Exponential fit radius for z filter stack detection.
zExpRadiusErr	arcsec	REAL	4	-999	Error in exponential fit radius for z filter stack detection.
zExpMag	AB magnitudes	REAL	4	-999	Exponential fit magnitude for z filter stack detection.
zExpMagErr	AB magnitudes	REAL	4	-999	Error in exponential fit magnitude for z filter stack detection.
zExpAb	dimensionless	REAL	4	-999	Exponential fit axis ratio for z filter stack detection.
zExpAbErr	dimensionless	REAL	4	-999	Error in exponential fit axis ratio for z filter stack detection.
zExpPhi	degrees	REAL	4	-999	Major axis position angle, phi, of exponential fit for z filter stack detection.
zExpPhiErr	degrees	REAL	4	-999	Error in major axis position angle of exponential fit for z filter stack detection.
zExpRa	degrees	FLOAT	8	-999	Right ascension of exponential fit center for z filter stack detection.
zExpDec	degrees	FLOAT	8	-999	Declination of exponential fit center for z filter stack detection.
zExpRaErr	arcsec	REAL	4	-999	Error in right ascension of exponential fit center for z filter stack detection.
zExpDecErr	arcsec	REAL	4	-999	Error in declination of exponential fit center for z filter stack detection.
zExpChisq	dimensionless	REAL	4	-999	Exponential 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.
yExpRadius	arcsec	REAL	4	-999	Exponential fit radius for y filter stack detection.
yExpRadiusErr	arcsec	REAL	4	-999	Error in exponential fit radius for y filter stack detection.
yExpMag	AB magnitudes	REAL	4	-999	Exponential fit magnitude for y filter stack detection.
yExpMagErr	AB magnitudes	REAL	4	-999	Error in exponential fit magnitude for y filter stack detection.
yExpAb	dimensionless	REAL	4	-999	Exponential fit axis ratio for y filter stack detection.
yExpAbErr	dimensionless	REAL	4	-999	Error in exponential fit axis ratio for y filter stack detection.
yExpPhi	degrees	REAL	4	-999	Major axis position angle, phi, of exponential fit for y filter stack detection.
yExpPhiErr	degrees	REAL	4	-999	Error in major axis position angle of exponential fit for y filter stack detection.
yExpRa	degrees	FLOAT	8	-999	Right ascension of exponential fit center for y filter stack detection.
yExpDec	degrees	FLOAT	8	-999	Declination of exponential fit center for y filter stack detection.
yExpRaErr	arcsec	REAL	4	-999	Error in right ascension of exponential fit center for y filter stack detection.

yExpDecErr	arcsec	REAL	4	-999	Error in declination of exponential fit center for y filter stack detection.
yExpChisq	dimensionless	REAL	4	-999	Exponential fit reduced chi squared for y filter stack detection.

StackModelFitDeV

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.

StackModelFitSer

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.
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.
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.

StackPetrosian

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.
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.
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.

ForcedMeanObject

Description: Contains the mean of single-epoch photometric information for sources detected in the stacked data, calculated as described in Magnier et al. (2013). The mean is calculated for detections associated into objects within a one arcsecond correlation radius. PSF, Kron (1980), and SDSS aperture R5 (r = 3.00 arcsec), R6 (r = 4.63 arcsec), and R7 (r = 7.43 arcsec) apertures (Stoughton 2003) magnitudes and statistics are listed for all filters. References: Kaiser, N., Squires, G., and Broadhurst, T. 1995, ApJ, 449, 460; Kron, R. G. 1980, ApJS, 43, 305; Magnier, E. A., Schlafly, E., Finkbeiner, D., et al. 2013, ApJS, 205, 20; 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.
uniquePspsFOid	dimensionless	BIGINT	8	NA	Unique internal PSPS forced object identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
randomForcedObjID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
nDetections	dimensionless	SMALLINT	2	-999	Number of single epoch detections in all filters.
batchID	dimensionless	BIGINT	8	NA	Internal database batch identifier.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.
gnTotal	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in g filter.
gnIncPSFFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in PSF flux mean in g filter.
gnIncKronFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in Kron (1980) flux mean in g filter.
gnIncApFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in aperture flux mean in g filter.
gnIncR5	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R5 (r = 3.00 arcsec) aperture flux mean in g filter.
gnIncR6	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R6 (r = 4.63 arcsec) aperture flux mean in g filter.
gnIncR7	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R7 (r = 7.43 arcsec) aperture flux mean in g filter.
gFPSFFlux	Janskys	REAL	4	-999	Mean PSF flux from forced single epoch g filter detections.
gFPSFFluxErr	Janskys	REAL	4	-999	Error in mean PSF flux from forced single epoch g filter detections.
gFPSFFluxStd	Janskys	REAL	4	-999	Standard deviation of PSF fluxes from forced single epoch g filter detections.
gFPSFMag	AB magnitudes	REAL	4	-999	Magnitude from mean PSF flux from forced single epoch g filter detections.
gFPSFMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean PSF flux from forced single epoch g filter detections.
gFKronFlux	Janskys	REAL	4	-999	Mean Kron (1980) flux from forced single epoch g filter detections.
gFKronFluxErr	Janskys	REAL	4	-999	Error in mean Kron (1980) flux from forced single epoch g filter detections.

gFKronFluxStd	Janskys	REAL	4	-999	Standard deviation of Kron (198) fluxes from forced single epoch g filter detections.
gFKronMag	AB magnitudes	REAL	4	-999	Magnitude from mean Kron (1980) flux from forced single epoch g filter detections.
gFKronMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean Kron (1980) flux from forced single epoch g filter detections.
gFApFlux	Janskys	REAL	4	-999	Mean aperture flux from forced single epoch g filter detections.
gFApFluxErr	Janskys	REAL	4	-999	Error in mean aperture flux from forced single epoch g filter detections.
gFApFluxStd	Janskys	REAL	4	-999	Standard deviation of aperture fluxes from forced single epoch g filter detections.
gFApMag	AB magnitudes	REAL	4	-999	Magnitude from mean aperture flux from forced single epoch g filter detections.
gFApMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean aperture flux from forced single epoch g filter detections.
gFmeanflxR5	Janskys	REAL	4	-999	Mean flux from forced single epoch g filter detections within an aperture of radius r = 3.00 arcsec.
gFmeanflxR5Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch g filter detections within an aperture of radius r = 3.00 arcsec.
gFmeanflxR5Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch g filter detection fluxes within an aperture of radius r = 3.00 arcsec.
gFmeanflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch g filter detections within an aperture of radius r = 3.00 arcsec.
gFmeanMagR5	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch g filter detections within an aperture of radius r = 3.00 arcsec.
gFmeanMagR5Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch g filter detections within an aperture of radius r = 3.00 arcsec.
gFmeanflxR6	Janskys	REAL	4	-999	Mean flux from forced single epoch g filter detections within an aperture of radius r = 4.63 arcsec.
gFmeanflxR6Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch g filter detections within an aperture of radius r = 4.63 arcsec.
gFmeanflxR6Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch g filter detection fluxes within an aperture of radius r = 4.63 arcsec.
gFmeanflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch g filter detections within an aperture of radius r = 4.63 arcsec.
gFmeanMagR6	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch g filter detections within an aperture of radius r = 4.63 arcsec.
gFmeanMagR6Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch g filter detections within an aperture of radius r = 4.63 arcsec.
gFmeanflxR7	Janskys	REAL	4	-999	Mean flux from forced single epoch g filter detections within an aperture of radius r = 7.43 arcsec.
gFmeanflxR7Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch g filter detections within an aperture of radius r = 7.43 arcsec.
gFmeanflxR7Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch g filter detection fluxes within an aperture of radius r = 7.43 arcsec.
gFmeanflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch g filter detections within an aperture of radius r = 7.43 arcsec.
gFmeanMagR7	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch g filter detections within an aperture of radius r = 7.43 arcsec.
gFmeanMagR7Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch g filter detections within an aperture of radius r = 7.43 arcsec.

gFlags	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry from forced single epoch g filter detections. Values listed in ObjectFilterFlags.
gE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e1 = (Mxx - Myy) / (Mxx + Myy) from forced single epoch g filter detections.
gE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e2 = (2 Mxy) / (Mxx + Myy) from forced single epoch g filter detections.
rnTotal	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in r filter.
rnIncPSFFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in PSF flux mean in r filter.
rnIncKronFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in Kron (1980) flux mean in r filter.
rnIncApFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in aperture flux mean in r filter.
rnIncR5	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R5 (r = 3.00 arcsec) aperture flux mean in r filter.
rnIncR6	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R6 (r = 4.63 arcsec) aperture flux mean in r filter.
rnIncR7	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R7 (r = 7.43 arcsec) aperture flux mean in r filter.
rFPSFFlux	Janskys	REAL	4	-999	Mean PSF flux from forced single epoch r filter detections.
rFPSFFluxErr	Janskys	REAL	4	-999	Error in mean PSF flux from forced single epoch r filter detections.
rFPSFFluxStd	Janskys	REAL	4	-999	Standard deviation of PSF fluxes from forced single epoch r filter detections.
rFPSFMag	AB magnitudes	REAL	4	-999	Magnitude from mean PSF flux from forced single epoch r filter detections.
rFPSFMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean PSF flux from forced single epoch r filter detections.
rFKronFlux	Janskys	REAL	4	-999	Mean Kron (1980) flux from forced single epoch r filter detections.
rFKronFluxErr	Janskys	REAL	4	-999	Error in mean Kron (1980) flux from forced single epoch r filter detections.
rFKronFluxStd	Janskys	REAL	4	-999	Standard deviation of Kron (198) fluxes from forced single epoch r filter detections.
rFKronMag	AB magnitudes	REAL	4	-999	Magnitude from mean Kron (1980) flux from forced single epoch r filter detections.
rFKronMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean Kron (1980) flux from forced single epoch r filter detections.
rFApFlux	Janskys	REAL	4	-999	Mean aperture flux from forced single epoch r filter detections.
rFApFluxErr	Janskys	REAL	4	-999	Error in mean aperture flux from forced single epoch r filter detections.
rFApFluxStd	Janskys	REAL	4	-999	Standard deviation of aperture fluxes from forced single epoch g filter detections.
rFApMag	AB magnitudes	REAL	4	-999	Magnitude from mean aperture flux from forced single epoch r filter detections.
rFApMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean aperture flux from forced single epoch r filter detections.
rFmeanflxR5	Janskys	REAL	4	-999	Mean flux from forced single epoch r filter detections within an aperture of radius r = 3.00 arcsec.
rFmeanflxR5Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch r filter detections within an aperture of radius r = 3.00 arcsec.
rFmeanflxR5Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch r filter detection fluxes within an aperture of radius r = 3.00 arcsec.

rFmeanflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch r filter detections within an aperture of radius r = 3.00 arcsec.
rFmeanMagR5	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch r filter detections within an aperture of radius r = 3.00 arcsec.
rFmeanMagR5Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch r filter detections within an aperture of radius r = 3.00 arcsec.
rFmeanflxR6	Janskys	REAL	4	-999	Mean flux from forced single epoch r filter detections within an aperture of radius r = 4.63 arcsec.
rFmeanflxR6Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch r filter detections within an aperture of radius r = 4.63 arcsec.
rFmeanflxR6Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch r filter detection fluxes within an aperture of radius r = 4.63 arcsec.
rFmeanflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch r filter detections within an aperture of radius r = 4.63 arcsec.
rFmeanMagR6	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch r filter detections within an aperture of radius r = 4.63 arcsec.
rFmeanMagR6Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch r filter detections within an aperture of radius r = 4.63 arcsec.
rFmeanflxR7	Janskys	REAL	4	-999	Mean flux from forced single epoch r filter detections within an aperture of radius r = 7.43 arcsec.
rFmeanflxR7Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch r filter detections within an aperture of radius r = 7.43 arcsec.
rFmeanflxR7Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch r filter detection fluxes within an aperture of radius r = 7.43 arcsec.
rFmeanflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch r filter detections within an aperture of radius r = 7.43 arcsec.
rFmeanMagR7	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch r filter detections within an aperture of radius r = 7.43 arcsec.
rFmeanMagR7Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch r filter detections within an aperture of radius r = 7.43 arcsec.
rFlags	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry from forced single epoch r filter detections. Values listed in ObjectFilterFlags.
rE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e1 = (Mxx - Myy) / (Mxx + Myy) from forced single epoch r filter detections.
rE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e2 = (2 Mxy) / (Mxx + Myy) from forced single epoch r filter detections.
inTotal	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in i filter.
inIncPSFFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in PSF flux mean in i filter.
inIncKronFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in Kron (1980) flux mean in i filter.
inIncApFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in aperture flux mean in i filter.
inIncR5	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R5 (r = 3.00 arcsec) aperture flux mean in i filter.
inIncR6	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R6 (r = 4.63 arcsec) aperture flux mean in i filter.
inIncR7	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R7 (r = 7.43 arcsec) aperture flux mean in i filter.
iFPSFFlux	Janskys	REAL	4	-999	Mean PSF flux from forced single epoch i filter detections.
iFPSFFluxErr	Janskys	REAL	4	-999	Error in mean PSF flux from forced single epoch i filter detections.
iFPSFFluxStd	Janskys	REAL	4	-999	Standard deviation of PSF fluxes from forced single epoch i filter detections.

iFPSFMag	AB magnitudes	REAL	4	-999	Magnitude from mean PSF flux from forced single epoch i filter detections.
iFPSFMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean PSF flux from forced single epoch i filter detections.
iFKronFlux	Janskys	REAL	4	-999	Mean Kron (1980) flux from forced single epoch i filter detections.
iFKronFluxErr	Janskys	REAL	4	-999	Error in mean Kron (1980) flux from forced single epoch i filter detections.
iFKronFluxStd	Janskys	REAL	4	-999	Standard deviation of Kron (198) fluxes from forced single epoch i filter detections.
iFKronMag	AB magnitudes	REAL	4	-999	Magnitude from mean Kron (1980) flux from forced single epoch i filter detections.
iFKronMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean Kron (1980) flux from forced single epoch i filter detections.
iFApFlux	Janskys	REAL	4	-999	Mean aperture flux from forced single epoch i filter detections.
iFApFluxErr	Janskys	REAL	4	-999	Error in mean aperture flux from forced single epoch i filter detections.
iFApFluxStd	Janskys	REAL	4	-999	Standard deviation of aperture fluxes from forced single epoch i filter detections.
iFApMag	AB magnitudes	REAL	4	-999	Magnitude from mean aperture flux from forced single epoch i filter detections.
iFApMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean aperture flux from forced single epoch i filter detections.
iFmeanflxR5	Janskys	REAL	4	-999	Mean flux from forced single epoch i filter detections within an aperture of radius r = 3.00 arcsec.
iFmeanflxR5Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch i filter detections within an aperture of radius r = 3.00 arcsec.
iFmeanflxR5Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch i filter detection fluxes within an aperture of radius r = 3.00 arcsec.
iFmeanflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch i filter detections within an aperture of radius r = 3.00 arcsec.
iFmeanMagR5	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch i filter detections within an aperture of radius r = 3.00 arcsec.
iFmeanMagR5Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch i filter detections within an aperture of radius r = 3.00 arcsec.
iFmeanflxR6	Janskys	REAL	4	-999	Mean flux from forced single epoch i filter detections within an aperture of radius r = 4.63 arcsec.
iFmeanflxR6Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch i filter detections within an aperture of radius r = 4.63 arcsec.
iFmeanflxR6Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch i filter detection fluxes within an aperture of radius r = 4.63 arcsec.
iFmeanflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch i filter detections within an aperture of radius r = 4.63 arcsec.
iFmeanMagR6	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch i filter detections within an aperture of radius r = 4.63 arcsec.
iFmeanMagR6Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch i filter detections within an aperture of radius r = 4.63 arcsec.
iFmeanflxR7	Janskys	REAL	4	-999	Mean flux from forced single epoch i filter detections within an aperture of radius r = 7.43 arcsec.
iFmeanflxR7Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch i filter detections within an aperture of radius r = 7.43 arcsec.
iFmeanflxR7Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch i filter detection fluxes within an aperture of radius r = 7.43 arcsec.

iFmeanflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch i filter detections within an aperture of radius r = 7.43 arcsec.
iFmeanMagR7	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch i filter detections within an aperture of radius r = 7.43 arcsec.
iFmeanMagR7Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch i filter detections within an aperture of radius r = 7.43 arcsec.
iFlags	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry from forced single epoch i filter detections. Values listed in ObjectFilterFlags.
iE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e1 = (Mxx - Myy) / (Mxx + Myy) from forced single epoch i filter detections.
iE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e2 = (2 Mxy) / (Mxx + Myy) from forced single epoch i filter detections.
znTotal	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in z filter.
znIncPSFFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in PSF flux mean in z filter.
znIncKronFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in Kron (1980) flux mean in z filter.
znIncApFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in aperture flux mean in z filter.
znIncR5	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R5 (r = 3.00 arcsec) aperture flux mean in z filter.
znIncR6	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R6 (r = 4.63 arcsec) aperture flux mean in z filter.
znIncR7	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R7 (r = 7.43 arcsec) aperture flux mean in z filter.
zFPSFFlux	Janskys	REAL	4	-999	Mean PSF flux from forced single epoch z filter detections.
zFPSFFluxErr	Janskys	REAL	4	-999	Error in mean PSF flux from forced single epoch z filter detections.
zFPSFFluxStd	Janskys	REAL	4	-999	Standard deviation of PSF fluxes from forced single epoch z filter detections.
zFPSFMag	AB magnitudes	REAL	4	-999	Magnitude from mean PSF flux from forced single epoch z filter detections.
zFPSFMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean PSF flux from forced single epoch z filter detections.
zFKronFlux	Janskys	REAL	4	-999	Mean Kron (1980) flux from forced single epoch z filter detections.
zFKronFluxErr	Janskys	REAL	4	-999	Error in mean Kron (1980) flux from forced single epoch z filter detections.
zFKronFluxStd	Janskys	REAL	4	-999	Standard deviation of Kron (198) fluxes from forced single epoch z filter detections.
zFKronMag	AB magnitudes	REAL	4	-999	Magnitude from mean Kron (1980) flux from forced single epoch z filter detections.
zFKronMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean Kron (1980) flux from forced single epoch z filter detections.
zFApFlux	Janskys	REAL	4	-999	Mean aperture flux from forced single epoch z filter detections.
zFApFluxErr	Janskys	REAL	4	-999	Error in mean aperture flux from forced single epoch z filter detections.
zFApFluxStd	Janskys	REAL	4	-999	Standard deviation of aperture fluxes from forced single epoch z filter detections.
zFApMag	AB magnitudes	REAL	4	-999	Magnitude from mean aperture flux from forced single epoch z filter detections.

zFApMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean aperture flux from forced single epoch z filter detections.
zFmeanflxR5	Janskys	REAL	4	-999	Mean flux from forced single epoch z filter detections within an aperture of radius r = 3.00 arcsec.
zFmeanflxR5Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch z filter detections within an aperture of radius r = 3.00 arcsec.
zFmeanflxR5Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch z filter detection fluxes within an aperture of radius r = 3.00 arcsec.
zFmeanflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch z filter detections within an aperture of radius r = 3.00 arcsec.
zFmeanMagR5	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch z filter detections within an aperture of radius r = 3.00 arcsec.
zFmeanMagR5Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch z filter detections within an aperture of radius r = 3.00 arcsec.
zFmeanflxR6	Janskys	REAL	4	-999	Mean flux from forced single epoch z filter detections within an aperture of radius r = 4.63 arcsec.
zFmeanflxR6Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch z filter detections within an aperture of radius r = 4.63 arcsec.
zFmeanflxR6Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch z filter detection fluxes within an aperture of radius r = 4.63 arcsec.
zFmeanflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch z filter detections within an aperture of radius r = 4.63 arcsec.
zFmeanMagR6	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch z filter detections within an aperture of radius r = 4.63 arcsec.
zFmeanMagR6Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch z filter detections within an aperture of radius r = 4.63 arcsec.
zFmeanflxR7	Janskys	REAL	4	-999	Mean flux from forced single epoch z filter detections within an aperture of radius r = 7.43 arcsec.
zFmeanflxR7Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch z filter detections within an aperture of radius r = 7.43 arcsec.
zFmeanflxR7Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch z filter detection fluxes within an aperture of radius r = 7.43 arcsec.
zFmeanflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch z filter detections within an aperture of radius r = 7.43 arcsec.
zFmeanMagR7	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch z filter detections within an aperture of radius r = 7.43 arcsec.
zFmeanMagR7Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch z filter detections within an aperture of radius r = 7.43 arcsec.
zFlags	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry from forced single epoch z filter detections. Values listed in ObjectFilterFlags.
zE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e1 = (Mxx - Myy) / (Mxx + Myy) from forced single epoch z filter detections.
zE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e2 = (2 Mxy) / (Mxx + Myy) from forced single epoch z filter detections.
ynTotal	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in y filter.
ynIncPSFFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in PSF flux mean in y filter.
ynIncKronFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in Kron (1980) flux mean in y filter.
ynIncApFlux	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in aperture flux mean in y filter.
ynIncR5	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R5 (r = 3.00 arcsec) aperture flux mean in y filter.

ynIncR6	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R6 (r = 4.63 arcsec) aperture flux mean in y filter.
ynIncR7	dimensionless	SMALLINT	2	-999	Number of forced single epoch detections in R7 (r = 7.43 arcsec) aperture flux mean in y filter.
yFPSFFlux	Janskys	REAL	4	-999	Mean PSF flux from forced single epoch y filter detections.
yFPSFFluxErr	Janskys	REAL	4	-999	Error in mean PSF flux from forced single epoch y filter detections.
yFPSFFluxStd	Janskys	REAL	4	-999	Standard deviation of PSF fluxes from forced single epoch y filter detections.
yFPSFMag	AB magnitudes	REAL	4	-999	Magnitude from mean PSF flux from forced single epoch y filter detections.
yFPSFMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean PSF flux from forced single epoch y filter detections.
yFKronFlux	Janskys	REAL	4	-999	Mean Kron (1980) flux from forced single epoch y filter detections.
yFKronFluxErr	Janskys	REAL	4	-999	Error in mean Kron (1980) flux from forced single epoch y filter detections.
yFKronFluxStd	Janskys	REAL	4	-999	Standard deviation of Kron (198) fluxes from forced single epoch y filter detections.
yFKronMag	AB magnitudes	REAL	4	-999	Magnitude from mean Kron (1980) flux from forced single epoch y filter detections.
yFKronMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean Kron (1980) flux from forced single epoch y filter detections.
yFApFlux	Janskys	REAL	4	-999	Mean aperture flux from forced single epoch y filter detections.
yFApFluxErr	Janskys	REAL	4	-999	Error in mean aperture flux from forced single epoch y filter detections.
yFApFluxStd	Janskys	REAL	4	-999	Standard deviation of aperture fluxes from forced single epoch y filter detections.
yFApMag	AB magnitudes	REAL	4	-999	Magnitude from mean aperture flux from forced single epoch y filter detections.
yFApMagErr	AB magnitudes	REAL	4	-999	Error in magnitude from mean aperture flux from forced single epoch y filter detections.
yFmeanflxR5	Janskys	REAL	4	-999	Mean flux from forced single epoch y filter detections within an aperture of radius r = 3.00 arcsec.
yFmeanflxR5Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch y filter detections within an aperture of radius r = 3.00 arcsec.
yFmeanflxR5Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch y filter detection fluxes within an aperture of radius r = 3.00 arcsec.
yFmeanflxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch y filter detections within an aperture of radius r = 3.00 arcsec.
yFmeanMagR5	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch y filter detections within an aperture of radius r = 3.00 arcsec.
yFmeanMagR5Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch y filter detections within an aperture of radius r = 3.00 arcsec.
yFmeanflxR6	Janskys	REAL	4	-999	Mean flux from forced single epoch y filter detections within an aperture of radius r = 4.63 arcsec.
yFmeanflxR6Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch y filter detections within an aperture of radius r = 4.63 arcsec.
yFmeanflxR6Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch y filter detection fluxes within an aperture of radius r = 4.63 arcsec.
yFmeanflxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch y filter detections within an aperture of radius r = 4.63 arcsec.

yFmeanMagR6	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch y filter detections within an aperture of radius r = 4.63 arcsec.
yFmeanMagR6Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch y filter detections within an aperture of radius r = 4.63 arcsec.
yFmeanflxR7	Janskys	REAL	4	-999	Mean flux from forced single epoch y filter detections within an aperture of radius r = 7.43 arcsec.
yFmeanflxR7Err	Janskys	REAL	4	-999	Error in mean flux from forced single epoch y filter detections within an aperture of radius r = 7.43 arcsec.
yFmeanflxR7Std	Janskys	REAL	4	-999	Standard deviation of forced single epoch y filter detection fluxes within an aperture of radius r = 7.43 arcsec.
yFmeanflxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced single epoch y filter detections within an aperture of radius r = 7.43 arcsec.
yFmeanMagR7	AB magnitudes	REAL	4	-999	Magnitude from mean flux from forced single epoch y filter detections within an aperture of radius r = 7.43 arcsec.
yFmeanMagR7Err	AB magnitudes	REAL	4	-999	Error in magnitude from mean flux from forced single epoch y filter detections within an aperture of radius r = 7.43 arcsec.
yFlags	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry from forced single epoch y filter detections. Values listed in ObjectFilterFlags.
yE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e1 = (Mxx - Myy) / (Mxx + Myy) from forced single epoch y filter detections.
yE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) polarization parameter e2 = (2 Mxy) / (Mxx + Myy) from forced single epoch y filter detections.

ForcedMeanLensing

Description: Contains the mean Kaiser et al. (1995) lensing parameters measured from the forced photometry of objects detected in stacked images on the individual single epoch data. References: Kaiser, N., Squires, G., and Broadhurst, T. 1995, ApJ, 449, 460.

Name	Unit	Data Type	Size	Default Value	Description
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsFOid	dimensionless	BIGINT	8	NA	Unique internal PSPS forced object identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
randomForcedObjID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
nDetections	dimensionless	SMALLINT	2	-999	Number of single epoch detections in all filters.
batchID	dimensionless	BIGINT	8	NA	Internal database batch identifier.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.
gLensObjSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced g filter detections.
gLensObjSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced g filter detections.
gLensObjSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced g filter detections.
gLensObjSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced g filter detections.

gLensObjSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from forced g filter detections.
gLensObjShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from forced g filter detections.
gLensObjShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from forced g filter detections.
gLensObjShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from forced g filter detections.
gLensObjShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from forced g filter detections.
gLensObjShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from forced g filter detections.
gLensPSFSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced g filter detections.
gLensPSFSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced g filter detections.
gLensPSFSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced g filter detections.
gLensPSFSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced g filter detections.
gLensPSFSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced g filter detections.
gLensPSFShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced g filter detections.
gLensPSFShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced g filter detections.
gLensPSFShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced g filter detections.
gLensPSFShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced g filter detections.
gLensPSFShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced g filter detections.
rLensObjSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced r filter detections.
rLensObjSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced r filter detections.
rLensObjSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced r filter detections.
rLensObjSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced r filter detections.
rLensObjSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from forced r filter detections.
rLensObjShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from forced r filter detections.
rLensObjShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from forced r filter detections.
rLensObjShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from forced r filter detections.
rLensObjShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from forced r filter detections.
rLensObjShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from forced r filter detections.
rLensPSFSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced r filter detections.
rLensPSFSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced r filter detections.
rLensPSFSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced r filter detections.
rLensPSFSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced r filter detections.

rLensPSFSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced r filter detections.
rLensPSFShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced r filter detections.
rLensPSFShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced r filter detections.
rLensPSFShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced r filter detections.
rLensPSFShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced r filter detections.
rLensPSFShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced r filter detections.
iLensObjSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced i filter detections.
iLensObjSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced i filter detections.
iLensObjSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced i filter detections.
iLensObjSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced i filter detections.
iLensObjSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from forced i filter detections.
iLensObjShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from forced i filter detections.
iLensObjShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from forced i filter detections.
iLensObjShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from forced i filter detections.
iLensObjShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from forced i filter detections.
iLensObjShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from forced i filter detections.
iLensPSFSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced i filter detections.
iLensPSFSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced i filter detections.
iLensPSFSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced i filter detections.
iLensPSFSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced i filter detections.
iLensPSFSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced i filter detections.
iLensPSFShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced i filter detections.
iLensPSFShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced i filter detections.
iLensPSFShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced i filter detections.
iLensPSFShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced i filter detections.
iLensPSFShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced i filter detections.
zLensObjSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced z filter detections.
zLensObjSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced z filter detections.
zLensObjSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced z filter detections.
zLensObjSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced z filter detections.

zLensObjSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from forced z filter detections.
zLensObjShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from forced z filter detections.
zLensObjShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from forced z filter detections.
zLensObjShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from forced z filter detections.
zLensObjShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from forced z filter detections.
zLensObjShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from forced z filter detections.
zLensPSFSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced z filter detections.
zLensPSFSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced z filter detections.
zLensPSFSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced z filter detections.
zLensPSFSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced z filter detections.
zLensPSFSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced z filter detections.
zLensPSFShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced z filter detections.
zLensPSFShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced z filter detections.
zLensPSFShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced z filter detections.
zLensPSFShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced z filter detections.
zLensPSFShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced z filter detections.
yLensObjSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced y filter detections.
yLensObjSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced y filter detections.
yLensObjSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced y filter detections.
yLensObjSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced y filter detections.
yLensObjSmearE2	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from forced y filter detections.
yLensObjShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from forced y filter detections.
yLensObjShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from forced y filter detections.
yLensObjShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from forced y filter detections.
yLensObjShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from forced y filter detections.
yLensObjShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from forced y filter detections.
yLensPSFSmearX11	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced y filter detections.
yLensPSFSmearX12	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced y filter detections.
yLensPSFSmearX22	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced y filter detections.
yLensPSFSmearE1	arcsec^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced y filter detections.

yLensPSF SmearE2	arcsec ^-2	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced y filter detections.
yLensPSF ShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced y filter detections.
yLensPSF ShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced y filter detections.
yLensPSF ShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced y filter detections.
yLensPSF ShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced y filter detections.
yLensPSF ShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced y filter detections.

Tables included in DR2

These tables were not included in DR1 but are in the DR2 database.

Detection

Description: Contains single epoch photometry of individual detections from a single exposure. The identifiers connecting the detection back to the original image and to the object association are provided. PSF, aperture, and Kron (1980) photometry are included, along with sky and detector coordinate positions. References: Kron, R. G. 1980, ApJS, 43, 305.

Name	Unit	Data Type	Size	Default Value	Description
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsP2id	dimensionless	BIGINT	8	NA	Unique internal PSPS detection identifier.
detectID	dimensionless	BIGINT	8	NA	Unique detection identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
ippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
filterID	dimensionless	TINYINT	1	NA	Filter identifier. Details in the Filter table.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
imageID	dimensionless	BIGINT	8	NA	Unique image identifier. Constructed as (100 * frameID + ccdID).
randomDetID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
dvoRegionID	dimensionless	INT	4	-1	Internal DVO region identifier.
obsTime	days	FLOAT	8	-999	Modified Julian Date at the midpoint of the observation. Note these are international atomic time rather than UTC, so if you want UTC times you will need to add 34 or 35 seconds to correct for leap seconds.
xPos	raw pixels	REAL	4	-999	PSF x center location.
yPos	raw pixels	REAL	4	-999	PSF y center location.
xPosErr	raw pixels	REAL	4	-999	Error in PSF x center location.
yPosErr	raw pixels	REAL	4	-999	Error in PSF y center location.

pltScale	arcsec /pixel	REAL	4	-999	Local plate scale at this location.
posAngle	degrees	REAL	4	-999	Position angle (sky-to-chip) at this location.
ra	degrees	FLOAT	8	-999	Right ascension.
dec	degrees	FLOAT	8	-999	Declination.
raErr	arcsec	REAL	4	-999	Right ascension error.
decErr	arcsec	REAL	4	-999	Declination error.
extNSigma	dimensionless	REAL	4	0	An extendedness measure based on the deviation between PSF and Kron (1980) magnitudes, normalized by the PSF magnitude uncertainty.
zp	magnitudes	REAL	4	0	Photometric zeropoint. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
telluricExt	magnitudes	REAL	4	NA	Estimated Telluric extinction due to non-photometric observing conditions. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
expTime	seconds	REAL	4	-999	Exposure time of the frame/exposure. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
airMass	dimensionless	REAL	4	0	Airmass at midpoint of the exposure. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
psfFlux	Janskys	REAL	4	-999	Flux from PSF fit.
psfFluxErr	Janskys	REAL	4	-999	Error on flux from PSF fit.
psfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM.
psfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM.
psfTheta	degrees	REAL	4	-999	PSF major axis orientation.
psfCore	dimensionless	REAL	4	-999	PSF core parameter k, where F = F0 / (1 + k r^2 + r^3.33).
psfQf	dimensionless	REAL	4	-999	PSF coverage factor.
psfQfPerfect	dimensionless	REAL	4	-999	PSF weighted fraction of pixels totally unmasked.
psfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit.
psfLikelihood	dimensionless	REAL	4	-999	Likelihood that this detection is best fit by a PSF.
momentXX	arcsec ^2	REAL	4	-999	Second moment M_xx.
momentXY	arcsec ^2	REAL	4	-999	Second moment M_xy.
momentYY	arcsec ^2	REAL	4	-999	Second moment M_yy.
momentR1	arcsec	REAL	4	-999	First radial moment.
momentRH	arcsec ^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting).
momentM3C	arcsec ^2	REAL	4	-999	Cosine of trefoil second moment term: r^2 cos(3 theta) = M_xxx - 3 * M_xyy.
momentM3S	arcsec ^2	REAL	4	-999	Sine of trefoil second moment: r^2 sin (3 theta) = 3 * M_xxy - M_yyy.
momentM4C	arcsec ^2	REAL	4	-999	Cosine of quadrupole second moment: r^2 cos (4 theta) = M_xxxx - 6 * M_xxyy + M_yyyy.
momentM4S	arcsec ^2	REAL	4	-999	Sine of quadrupole second moment: r^2 sin (4 theta) = 4 * M_xxxy - 4 * M_xyyy.
apFlux	Janskys	REAL	4	-999	Flux in seeing-dependent aperture.

apFluxErr	Janskys	REAL	4	-999	Error on flux in seeing-dependent aperture.
apFillF	dimensionless	REAL	4	-999	Aperture fill factor.
apRadius	arcsec	REAL	4	-999	Aperture radius.
kronFlux	Janskys	REAL	4	-999	Kron (1980) flux.
kronFluxErr	Janskys	REAL	4	-999	Error on Kron (1980) flux.
kronRad	arcsec	REAL	4	-999	Kron (1980) radius.
sky	Janskys/arcsec^2	REAL	4	-999	Background sky level.
skyErr	Janskys/arcsec^2	REAL	4	-999	Error in background sky level.
infoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags.
infoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags2.
infoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags3.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.

ForcedWarpMeasurement

Description: Contains single epoch forced photometry of individual measurements of objects detected in the stacked images. The identifiers connecting the measurement back to the original image and to the object association are provided. PSF, aperture, and Kron (1980) photometry are included, along with sky and detector coordinate positions. References: Kron, R. G. 1980, ApJS, 43, 305.

Name	Unit	Data Type	Size	Default Value	Description
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsFWid	dimensionless	BIGINT	8	NA	Unique internal PSPS forced warp identifier.
detectID	dimensionless	BIGINT	8	NA	Unique detection identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
ippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
filterID	dimensionless	TINYINT	1	NA	Filter identifier. Details in the Filter table.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
forcedSummaryID	dimensionless	BIGINT	8	NA	Unique forced warp summary identifier.
forcedWarpID	dimensionless	BIGINT	8	NA	Unique forced warp identifier.
randomWarpID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
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.
dvoRegionID	dimensionless	INT	4	-1	Internal DVO region identifier.
obsTime	days	FLOAT	8	-999	Modified Julian Date at the midpoint of the observation. Note these are international atomic time rather than UTC, so if you want UTC times you will need to add 34 or 35 seconds to correct for leap seconds.
zp	magnitudes	REAL	4	0	Photometric zeropoint. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
telluricExt	magnitudes	REAL	4	NA	Estimated Telluric extinction due to non-photometric observing conditions. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
expTime	seconds	REAL	4	-999	Exposure time of the frame/exposure. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
airMass	dimensionless	REAL	4	0	Airmass at midpoint of the exposure. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
FpsfFlux	Janskys	REAL	4	-999	PSF flux.
FpsfFluxErr	Janskys	REAL	4	-999	Error in PSF flux.
xPosChip	raw pixels	REAL	4	-999	PSF x position in original chip pixels.
yPosChip	raw pixels	REAL	4	-999	PSF y position in original chip pixels.
FccdID	dimensionsless	SMALLINT	2	-999	OTA identifier of original chip (see ImageMeta).
FpsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM.
FpsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM.
FpsfTheta	degrees	REAL	4	-999	PSF major axis orientation.
FpsfCore	dimensionless	REAL	4	-999	PSF core parameter k, where F = F0 / (1 + k r^2 + r^3.33).
FpsfQf	dimensionless	REAL	4	-999	PSF coverage factor.
FpsfQfPerfect	dimensionless	REAL	4	-999	PSF weighted fraction of pixels totally unmasked.
FpsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit.
FmomentXX	arcsec^2	REAL	4	-999	Second moment M_xx.
FmomentXY	arcsec^2	REAL	4	-999	Second moment M_xy.
FmomentYY	arcsec^2	REAL	4	-999	Second moment M_yy.
FmomentR1	arcsec	REAL	4	-999	First radial moment.
FmomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting).
FmomentM3C	arcsec^2	REAL	4	-999	Cosine of trefoil second moment term: r^2 cos(3 theta) = M_xxx - 3 * M_xyy.
FmomentM3S	arcsec^2	REAL	4	-999	Sine of trefoil second moment: r^2 sin (3 theta) = 3 * M_xxy - M_yyy.
FmomentM4C	arcsec^2	REAL	4	-999	Cosine of quadrupole second moment: r^2 cos (4 theta) = M_xxxx - 6 * M_xxyy + M_yyyy.
FmomentM4S	arcsec^2	REAL	4	-999	Sine of quadrupole second moment: r^2 sin (4 theta) = 4 * M_xxxy - 4 * M_xyyy.

FapFlux	Janskys	REAL	4	-999	Aperture flux.
FapFluxErr	Janskys	REAL	4	-999	Error in aperture flux.
FapFillF	dimensionless	REAL	4	-999	Aperture fill factor.
FapRadius	arcsec	REAL	4	-999	Aperture radius for forced warp detection.
FkronFlux	Janskys	REAL	4	-999	Kron (1980) flux.
FkronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux.
FkronRad	arcsec	REAL	4	-999	Kron (1980) radius.
Fsky	Janskys /arcsec^2	REAL	4	-999	Background sky level.
FskyErr	Janskys /arcsec^2	REAL	4	-999	Error in background sky level.
FinfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags.
FinfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags2.
FinfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags3.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.

ForcedWarpExtended

Description: Contains the single epoch forced photometry fluxes within the SDSS R5 (r = 3.00 arcsec), R6 (r = 4.63 arcsec), and R7 (r = 7.43 arcsec) apertures (Stoughton 2003) for objects detected in the stacked images. 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.
uniquePspsFWid	dimensionless	BIGINT	8	NA	Unique internal PSPS forced warp identifier.
detectID	dimensionless	BIGINT	8	NA	Unique detection identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
ippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
filterID	dimensionless	TINYINT	1	NA	Filter identifier. Details in the Filter table.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
forcedWarpID	dimensionless	BIGINT	8	NA	Unique forced warp identifier.
randomWarpID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
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.
dvoRegionID	dimensionless	INT	4	-1	Internal DVO region identifier.
obsTime	days	FLOAT	8	-999	Modified Julian Date at the midpoint of the observation. Note these are international atomic time rather than UTC, so if you want UTC times you will need to add 34 or 35 seconds to correct for leap seconds.
flxR5	Janskys	REAL	4	-999	Flux from forced photometry measurement within an aperture of radius r = 3.00 arcsec.
flxR5Err	Janskys	REAL	4	-999	Error in flux from forced photometry measurement within an aperture of radius r = 3.00 arcsec.
flxR5Std	Janskys	REAL	4	-999	Standard deviation of flux from forced photometry measurement within an aperture of radius r = 3.00 arcsec.
flxR5Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced photometry measurement within an aperture of radius r = 3.00 arcsec.
flxR6	Janskys	REAL	4	-999	Flux from forced photometry measurement within an aperture of radius r = 4.63 arcsec.
flxR6Err	Janskys	REAL	4	-999	Error in flux from forced photometry measurement within an aperture of radius r = 4.63 arcsec.
flxR6Std	Janskys	REAL	4	-999	Standard deviation of flux from forced photometry measurement within an aperture of radius r = 4.63 arcsec.
flxR6Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced photometry measurement within an aperture of radius r = 4.63 arcsec.
flxR7	Janskys	REAL	4	-999	Flux from forced photometry measurement within an aperture of radius r = 7.43 arcsec.
flxR7Err	Janskys	REAL	4	-999	Error in flux from forced photometry measurement within an aperture of radius r = 7.43 arcsec.
flxR7Std	Janskys	REAL	4	-999	Standard deviation of flux from forced photometry measurement within an aperture of radius r = 7.43 arcsec.
flxR7Fill	dimensionless	REAL	4	-999	Aperture fill factor for forced photometry measurement within an aperture of radius r = 7.43 arcsec.

ForcedWarpMasked

Description: Contains an entry for objects detected in the stacked images which were in the footprint of a single epoch exposure, but for which there are no unmasked pixels at that epoch.

Name	Unit	Data Type	Size	Default Value	Description
objID	dimensionless	BIGINT	8	NA	Unique object identifier.
uniquePspsFWid	dimensionless	BIGINT	8	NA	Unique internal PSPS forced warp identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
ippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
filterID	dimensionless	TINYINT	1	NA	Filter identifier. Details in the Filter table.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
forcedSummaryID	dimensionless	BIGINT	8	NA	Forced warp summary meta identifier
forcedWarpID	dimensionless	BIGINT	8	NA	Unique forced warp identifier.

randomWarpID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
tessID	dimensionless	TINYINT	1	0	Tessellation identifier. Details in the TessellationType table.
projectionID	dimensionless	SMALLINT	2	-1	Projection cell identifier.
skyCellID	dimensionless	REAL	4	-999	Skycell region identifier.
dvoRegionID	dimensionless	REAL	4	-999	Internal DVO region identifier.
obsTime	days	FLOAT	8	-999	Modified Julian Date at the midpoint of the observation. Note these are international atomic time rather than UTC, so if you want UTC times you will need to add 34 or 35 seconds to correct for leap seconds.

ForcedGalaxyShape

Description: Contains the extended source galaxy shape parameters. All filters are matched into a single row. The positions, magnitudes, fluxes, and Sersic indices are inherited from their parent measurement in the StackModelFit tables, and are reproduced here for convenience. The major and minor axes and orientation are recalculated on a warp-by-warp basis from the best fit given these inherited properties. 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.
uniquePspsFGid	dimensionless	BIGINT	8	NA	Unique internal PSPS forced galaxy identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
randomForcedGalID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
galModelType	dimensionless	TINYINT	1	-999	Galaxy model identifier.
nFilter	dimensionless	TINYINT	1	-999	Number of filters with valid model measurements.
gippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
gstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for the g filter stack that was the original detection source.
gGalMajor	arcsec	REAL	4	-999	Galaxy major axis for g filter measurement.
gGalMajorErr	arcsec	REAL	4	-999	Error in galaxy major axis for g filter measurement.
gGalMinor	arcsec	REAL	4	-999	Galaxy minor axis for g filter measurement.
gGalMinorErr	arcsec	REAL	4	-999	Error in galaxy minor axis for g filter measurement.
gGalMag	AB magnitudes	REAL	4	-999	Galaxy fit magnitude for g filter measurement.
gGalMagErr	AB magnitudes	REAL	4	-999	Error in galaxy fit magnitude for g filter measurement.
gGalPhi	degrees	REAL	4	-999	Major axis position angle of the model fit for the g filter measurement.
gGalIndex	dimensionless	REAL	4	-999	Sersic index of the model fit for the g filter measurement.

gGalFlags	dimensionless	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (g filter measurement, values defined in ForcedGalaxyShapeFlags).
gGalChisq	dimensionless	REAL	4	-999	Reduced chi squared value for g filter measurement.
rippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
rstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for the r filter stack that was the original detection source.
rGalMajor	arcsec	REAL	4	-999	Galaxy major axis for r filter measurement.
rGalMajorErr	arcsec	REAL	4	-999	Error in galaxy major axis for r filter measurement.
rGalMinor	arcsec	REAL	4	-999	Galaxy minor axis for r filter measurement.
rGalMinorErr	arcsec	REAL	4	-999	Error in galaxy minor axis for r filter measurement.
rGalMag	AB magnitudes	REAL	4	-999	Galaxy fit magnitude for r filter measurement.
rGalMagErr	AB magnitudes	REAL	4	-999	Error in galaxy fit magnitude for r filter measurement.
rGalPhi	degrees	REAL	4	-999	Major axis position angle of the model fit for the r filter measurement.
rGalIndex	dimensionless	REAL	4	-999	Sersic index of the model fit for the r filter measurement.
rGalFlags	dimensionless	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (r filter measurement, values defined in ForcedGalaxyShapeFlags).
rGalChisq	dimensionless	REAL	4	-999	Reduced chi squared value for r filter measurement.
iippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
istackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for the i filter stack that was the original detection source.
iGalMajor	arcsec	REAL	4	-999	Galaxy major axis for i filter measurement.
iGalMajorErr	arcsec	REAL	4	-999	Error in galaxy major axis for i filter measurement.
iGalMinor	arcsec	REAL	4	-999	Galaxy minor axis for i filter measurement.
iGalMinorErr	arcsec	REAL	4	-999	Error in galaxy minor axis for i filter measurement.
iGalMag	AB magnitudes	REAL	4	-999	Galaxy fit magnitude for i filter measurement.
iGalMagErr	AB magnitudes	REAL	4	-999	Error in galaxy fit magnitude for i filter measurement.
iGalPhi	degrees	REAL	4	-999	Major axis position angle of the model fit for the i filter measurement.
iGalIndex	dimensionless	REAL	4	-999	Sersic index of the model fit for the i filter measurement.
iGalFlags	dimensionless	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (i filter measurement, values defined in ForcedGalaxyShapeFlags).
iGalChisq	dimensionless	REAL	4	-999	Reduced chi squared value for i filter measurement.
zippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
zstackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for the z filter stack that was the original detection source.
zGalMajor	arcsec	REAL	4	-999	Galaxy major axis for z filter measurement.

zGalMajorErr	arcsec	REAL	4	-999	Error in galaxy major axis for z filter measurement.
zGalMinor	arcsec	REAL	4	-999	Galaxy minor axis for z filter measurement.
zGalMinorErr	arcsec	REAL	4	-999	Error in galaxy minor axis for z filter measurement.
zGalMag	AB magnitudes	REAL	4	-999	Galaxy fit magnitude for z filter measurement.
zGalMagErr	AB magnitudes	REAL	4	-999	Error in galaxy fit magnitude for z filter measurement.
zGalPhi	degrees	REAL	4	-999	Major axis position angle of the model fit for the z filter measurement.
zGalIndex	dimensionless	REAL	4	-999	Sersic index of the model fit for the z filter measurement.
zGalFlags	dimensionless	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (z filter measurement, values defined in ForcedGalaxyShapeFlags).
zGalChisq	dimensionless	REAL	4	-999	Reduced chi squared value for z filter measurement.
yippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
ystackImageID	dimensionless	BIGINT	8	NA	Unique stack identifier for the z filter stack that was the original detection source.
yGalMajor	arcsec	REAL	4	-999	Galaxy major axis for y filter measurement.
yGalMajorErr	arcsec	REAL	4	-999	Error in galaxy major axis for y filter measurement.
yGalMinor	arcsec	REAL	4	-999	Galaxy minor axis for y filter measurement.
yGalMinorErr	arcsec	REAL	4	-999	Error in galaxy minor axis for y filter measurement.
yGalMag	AB magnitudes	REAL	4	-999	Galaxy fit magnitude for y filter measurement.
yGalMagErr	AB magnitudes	REAL	4	-999	Error in galaxy fit magnitude for y filter measurement.
yGalPhi	degrees	REAL	4	-999	Major axis position angle of the model fit for the y filter measurement.
yGalIndex	dimensionless	REAL	4	-999	Sersic index of the model fit for the y filter measurement.
yGalFlags	dimensionless	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (y filter measurement, values defined in ForcedGalaxyShapeFlags).
yGalChisq	dimensionless	REAL	4	-999	Reduced chi squared value for y filter measurement.

StackModelFitExtra

Description: Contains the galaxy shape and concentration parameters measured from the stack detections. See StackObjectThin table for discussion of primary, secondary, and best detections. References: Blakeslee, J. P., Holden, B. P., Franx, M., et al. 2006, ApJ, 644, 30; Cheng, J. Y., Faber, S. M., Schade, D., Lilly, S. J., Crampton, D., et al. 1995, ApJL, 451, L1; Simard, L., et al. 2011, MNRAS, 412, 727; Simard, L., Willmer, C. N. A., Vogt, N. P., et al. 2003, ApJS, 142, 1.

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.
gS2	dimensionless	REAL	4	-999	Smoothness parameter s2 from g filter stack detection (Cheng 2011; Simard 2003).
glogRT	dimensionless	REAL	4	-999	Total residual from elliptically symmetric model from g filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
glogRA	dimensionless	REAL	4	-999	Asymmetric residual from elliptically symmetric model from g filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
gbumpy	dimensionless	REAL	4	-999	Bumpiness parameter from g filter stack detection (Blakeslee 2006).
ghalfLightRad	arcsec	REAL	4	-999	Half-light radius from 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.
rS2	dimensionless	REAL	4	-999	Smoothness parameter s2 from r filter stack detection (Cheng 2011; Simard 2003).
rlogRT	dimensionless	REAL	4	-999	Total residual from elliptically symmetric model from r filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
rlogRA	dimensionless	REAL	4	-999	Asymmetric residual from elliptically symmetric model from r filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
rbumpy	dimensionless	REAL	4	-999	Bumpiness parameter from r filter stack detection (Blakeslee 2006).
rhalfLightRad	arcsec	REAL	4	-999	Half-light radius from 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.
iS2	dimensionless	REAL	4	-999	Smoothness parameter s2 from i filter stack detection (Cheng 2011; Simard 2003).
ilogRT	dimensionless	REAL	4	-999	Total residual from elliptically symmetric model from i filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
ilogRA	dimensionless	REAL	4	-999	Asymmetric residual from elliptically symmetric model from i filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
ibumpy	dimensionless	REAL	4	-999	Bumpiness parameter from i filter stack detection (Blakeslee 2006).
ihalfLightRad	arcsec	REAL	4	-999	Half-light radius from 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.
zS2	dimensionless	REAL	4	-999	Smoothness parameter s2 from z filter stack detection (Cheng 2011; Simard 2003).
zlogRT	dimensionless	REAL	4	-999	Total residual from elliptically symmetric model from z filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
zlogRA	dimensionless	REAL	4	-999	Asymmetric residual from elliptically symmetric model from z filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
zbumpy	dimensionless	REAL	4	-999	Bumpiness parameter from z filter stack detection (Blakeslee 2006).
zhalfLightRad	arcsec	REAL	4	-999	Half-light radius from 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.
yS2	dimensionless	REAL	4	-999	Smoothness parameter s2 from y filter stack detection (Cheng 2011; Simard 2003).
ylogRT	dimensionless	REAL	4	-999	Total residual from elliptically symmetric model from y filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
ylogRA	dimensionless	REAL	4	-999	Asymmetric residual from elliptically symmetric model from y filter stack detection (Cheng 2011; Simard 2003; Schade 1995).
ybumpy	dimensionless	REAL	4	-999	Bumpiness parameter from y filter stack detection (Blakeslee 2006).
yhalfLightRad	arcsec	REAL	4	-999	Half-light radius from y filter stack detection.

Tables not included in DR1 or DR2

The tables below are not part of the DR1 or DR2 databases (yet), but their descriptions are included for completeness.

DiffDetection

Description: Contains the photometry of individual detections from a difference image. The identifiers connecting the detection back to the difference image and to the object association are provided. PSF, aperture, and Kron (1980) photometry are included, along with sky and detector coordinate positions. Statistics References: Kron, R. G. 1980, ApJS, 43, 305.

Name	Unit	Data Type	Size	Default Value	Description
diffObjID	dimensionless	BIGINT	8	NA	Unique difference object identifier.
uniquePspsDFid	dimensionless	BIGINT	8	NA	Unique internal PSPS difference detection identifier.
diffDetID	dimensionless	BIGINT	8	NA	Unique difference detection identifier.
diffImageID	dimensionless	BIGINT	8	NA	Difference detection meta identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.

ippDetectID	dimensionless	BIGINT	8	NA	IPP internal detection identifier.
fromPosImage	dimensionless	TINYINT	1	NA	Detection is from positive image (if 1) or negative image (if 0).
filterID	dimensionless	TINYINT	1	NA	Filter identifier. Details in the Filter table.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
randomDiffID	dimensionless	FLOAT	8	NA	Random value drawn from the interval between zero and one.
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.
dvoRegionID	dimensionless	INT	4	-1	Internal DVO region identifier.
obsTime	days	FLOAT	8	-999	Modified Julian Date at the midpoint of the observation. Note these are international atomic time rather than UTC, so if you want UTC times you will need to add 34 or 35 seconds to correct for leap seconds.
xPos	sky pixels	REAL	4	-999	PSF x center location.
yPos	sky pixels	REAL	4	-999	PSF y center location.
xPosErr	sky pixels	REAL	4	-999	Error in PSF x center location.
yPosErr	sky pixels	REAL	4	-999	Error in PSF y center location.
pltScale	arcsec /pixel	REAL	4	-999	Local plate scale at this location.
posAngle	degrees	REAL	4	-999	Position angle (sky-to-chip) at this location.
ra	degrees	FLOAT	8	-999	Right ascension.
dec	degrees	FLOAT	8	-999	Declination.
raErr	arcsec	REAL	4	-999	Right ascension error.
decErr	arcsec	REAL	4	-999	Declination error.
zp	magnitudes	REAL	4	0	Photometric zeropoint. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
telluricExt	magnitudes	REAL	4	NA	Estimated Telluric extinction due to non-photometric observing conditions. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
expTime	seconds	REAL	4	-999	Exposure time of the positive single-epoch image. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
airMass	dimensionless	REAL	4	0	Airmass at midpoint of the exposure. Necessary for converting listed fluxes and magnitudes back to measured ADU counts.
DpsfFlux	Janskys	REAL	4	-999	Flux from PSF fit.
DpsfFluxErr	Janskys	REAL	4	-999	Error in PSF flux.
xPosChip	raw pixels	REAL	4	-999	PSF x position in original chip pixels.
yPosChip	raw pixels	REAL	4	-999	PSF y position in original chip pixels.
ccdID	dimensionsless	SMALLINT	2	-999	OTA identifier of original chip (see ImageMeta).
DpsfMajorFWHM	arcsec	REAL	4	-999	PSF major axis FWHM.
DpsfMinorFWHM	arcsec	REAL	4	-999	PSF minor axis FWHM.

DpsfTheta	degrees	REAL	4	-999	PSF major axis orientation.
DpsfCore	dimensionless	REAL	4	-999	PSF core parameter k, where F = F0 / (1 + k r^2 + r^3.33).
DpsfQf	dimensionless	REAL	4	-999	PSF coverage factor.
DpsfQfPerfect	dimensionless	REAL	4	-999	PSF-weighted fraction of pixels totally unmasked.
DpsfChiSq	dimensionless	REAL	4	-999	Reduced chi squared value of the PSF model fit.
DpsfLikelihood	dimensionless	REAL	4	-999	Likelihood that this detection is best fit by a PSF.
DmomentXX	arcsec^2	REAL	4	-999	Second moment M_xx.
DmomentXY	arcsec^2	REAL	4	-999	Second moment M_xy.
DmomentYY	arcsec^2	REAL	4	-999	Second moment M_yy.
DmomentR1	arcsec	REAL	4	-999	First radial moment.
DmomentRH	arcsec^0.5	REAL	4	-999	Half radial moment (r^0.5 weighting).
DapFlux	Janskys	REAL	4	-999	Aperture flux.
DapFluxErr	Janskys	REAL	4	-999	Error in aperture flux.
DapFillF	dimensionless	REAL	4	-999	Aperture fill factor.
DkronFlux	Janskys	REAL	4	-999	Kron (1980) flux.
DkronFluxErr	Janskys	REAL	4	-999	Error in Kron (1980) flux.
DkronRad	arcsec	REAL	4	-999	Kron (1980) radius.
diffNPos	sky pixels	INT	4	-999	Number of difference pixels within the aperture that are positive.
diffFPosRatio	dimensionless	REAL	4	-999	Ratio of the sum of positive flux pixel values to the sum of the absolute value of all unmasked pixel within the aperture.
diffNPosRatio	dimensionless	REAL	4	-999	Ratio of the number of positive flux pixels to the number of unmasked pixels within the aperture.
diffNPosMask	dimensionless	REAL	4	-999	Ratio of the number of positive flux pixels to the number of positive or masked pixels within the aperture.
diffNPosAll	dimensionless	REAL	4	-999	Ratio of the number of positive flux pixels to the total number of all pixels within the aperture.
diffPosDist	sky pixels	REAL	4	-999	Distance to matching source in positive image.
diffNegDist	sky pixels	REAL	4	-999	Distance to matching source in negative image.
diffPosSN	dimensionless	REAL	4	-999	Signal to noise of matching source in positive image.
diffNegSN	dimensionless	REAL	4	-999	Signal to noise of matching source in negative image.
Dsky	Janskys /arcsec^2	REAL	4	-999	Background sky level.
DskyErr	Janskys /arcsec^2	REAL	4	-999	Error in background sky level.
DinfoFlag	dimensionless	BIGINT	8	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags.

DinfoFlag2	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags2.
DinfoFlag3	dimensionless	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in DetectionFlags3.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.

DiffDetObject

Description: Contains the positional information for difference detection objects in a number of coordinate systems. The objects associate difference detections within a one arcsecond radius. The number of detections in each filter from is listed, along with maximum coverage fractions. References: Szalay, A. S., Gray, J., Fekete, G., et al. 2007, arXiv:cs/0701164.

Name	Unit	Data Type	Size	Default Value	Description
diffObjName	dimensionless	VARCHAR(32)	32	NA	IAU name for this object.
diffObjPSOName	dimensionless	VARCHAR(32)	32	NA	Alternate Pan-STARRS name for this object.
diffObjAltName1	dimensionless	VARCHAR(32)	32		Alternname name for this object.
diffObjAltName2	dimensionless	VARCHAR(32)	32		Alternname name for this object.
diffObjAltName3	dimensionless	VARCHAR(32)	32		Alternname name for this object.
diffObjPopularName	dimensionless	VARCHAR(140)	140		Well known name for this object.
diffObjID	dimensionless	BIGINT	8	NA	Unique difference object identifier.
uniquePspsDOid	dimensionless	BIGINT	8	NA	Unique internal PSPS difference object identifier.
ippObjID	dimensionless	BIGINT	8	NA	IPP internal object identifier.
surveyID	dimensionless	TINYINT	1	NA	Survey identifier. Details in the Survey table.
htmID	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).
randomDiffObjID	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.
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.
ra	degrees	FLOAT	8	-999	Right ascension mean.
dec	degrees	FLOAT	8	-999	Declination mean.
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.
gQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from g filter detections.
rQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from r filter detections.
iQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from i filter detections.
zQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from z filter detections.
yQfPerfect	dimensionless	REAL	4	-999	Maximum PSF weighted fraction of pixels totally unmasked from y filter detections.
processingVersion	dimensionless	TINYINT	1	NA	Data release version.
nDetections	dimensionless	SMALLINT	2	-999	Number of difference detections in all filters.
ng	dimensionless	SMALLINT	2	-999	Number of difference detections in g filter.
nr	dimensionless	SMALLINT	2	-999	Number of difference detections in r filter.
ni	dimensionless	SMALLINT	2	-999	Number of difference detections in i filter.
nz	dimensionless	SMALLINT	2	-999	Number of difference detections in z filter.
ny	dimensionless	SMALLINT	2	-999	Number of difference detections in y filter.

Views in DR1 and DR2

There are a number of views in the Pan-STARRS databases, which are generally cases where there are two related tables that are joined to make a wide table that includes columns from both tables. Rather than make this page extremely long, we simply list the relevant views below with links to the individual pages that list the columns in those views.

There are also some views that are created because a very large table is broken up into multiple pieces for practical database implementation reasons. The various chunks of rows are combined together into what looks like a single big table. An example is the Detection table, which was simply too large to put into a single table. Those "virtual" tables are listed above with the regular tables because they are never accessed by users as individual tables. It is a confusing fact that they appear in the MyDB Views tab when exploring the database.

Name of View	Joined tables	Notes
DetectionObjectView	ObjectThin, Detection	DR2
DiffDetObjectView	DiffDetObject, DiffDetection	Not populated in DR2
ForcedGalaxyModelView	ObjectThin, ForcedGalaxyShape	DR2
ForcedMeanObjectView	ObjectThin, ForcedMeanObject	Not yet in DR2
MeanObjectView	MeanObject, ObjectThin	
StackApFlxExGalCon6ObjectView	ObjectThin, StackApFlxExGalCon6	

StackApFlxExGalCon8ObjectView	ObjectThin, StackApFlxExGalCon8	
StackApFlxExGalUncView	ObjectThin, StackApFlxExGalUnc	
StackApFlxObjectView	ObjectThin, StackApFlx, StackModelFitSer	
StackModelFitDeVObjectView	ObjectThin, StackModelFitDeV	
StackModelFitExpObjectView	ObjectThin, StackModelFitExp	
StackModelFitPetObjectView	ObjectThin, StackPetrosian	
StackModelFitSerObjectView	ObjectThin, StackModelFitSer	
StackModelObjectView	ObjectThin, StackModelFitExp, StackModelFitDeVm, StackModelFitSer, StackPetrosian	Note: User beware that this view contains a lot of columns and selecting all of them is not recommended.
StackObjectView	ObjectThin, StackObjectThin, StackObjectAttributes	