PS1 StackObjectView table fields

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

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

Description: -- View based on a combination of the tables ObjectThin, StackObjectThin and StackObjectAttributes joined by objID column.

Name	Unit	Data Type	Size	Default Value	Description
objName	dimensionless	VARCHAR(32)	32	NA	IAU name for this object.
objAltName1	dimensionless	VARCHAR(32)	32	NA	Alternate name for this object.
objAltName2	dimensionless	VARCHAR(32)	32		Alternname name for this object.
objAltName3	dimensionless	VARCHAR(32)	32		Alternname 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.
qualityFlag	dimensionless	TINYINT	1	0	Subset of objInfoFlag denoting whether this object is real or a likely false positive. Values listed in ObjectQualityFlags.
raStack	degrees	FLOAT	8	-999	Right ascension from stack detections, weighted mean value across filters, in equinox J2000. See StackObjectThin for stack epoch information.
decStack	degrees	FLOAT	8	-999	Declination from stack detections, weighted mean value across filters, in equinox J2000. See StackObjectThin for stack epoch information.
raStackErr	arcsec	REAL	4	-999	Right ascension standard deviation from stack detections.
decStackErr	arcsec	REAL	4	-999	Declination standard deviation from stack detections.
raMean	degrees	FLOAT	8	-999	Right ascension from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean.
decMean	degrees	FLOAT	8	-999	Declination from single epoch detections (weighted mean) in equinox J2000 at the mean epoch given by epochMean.
raMeanErr	arcsec	REAL	4	-999	Right ascension standard deviation from single epoch detections.
decMeanErr	arcsec	REAL	4	-999	Declination standard deviation from single epoch detections.

epochMean	days	FLOAT	8	-999	Modified Julian Date of the mean epoch corresponding to raMean, decMean (equinox J2000).
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
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.