

PS1 MeanObjectView 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 MeanObject and ObjectThin joined by objID columnn.					
Name	Unit	Data Type	Size	Default Value	Description
objName	dimension less	VARCHAR(32)	32	NA	IAU name for this object.
objAltName1	dimension less	VARCHAR(32)	32	NA	Alternate name for this object.
objAltName2	dimension less	VARCHAR(32)	32		Alternate name for this object.
objAltName3	dimension less	VARCHAR(32)	32		Alternate name for this object.
objID	dimension less	BIGINT	8	NA	Unique object identifier.
uniquePspsoBid	dimension less	BIGINT	8	NA	Unique internal PSPS object identifier.
ippObjID	dimension less	BIGINT	8	NA	IPP internal object identifier.
surveyID	dimension less	TINYINT	1	NA	Survey identifier. Details in the Survey table.
htmlID	dimension less	BIGINT	8	NA	Hierarchical triangular mesh (Szalay 2007) index.
zoneID	dimension less	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	dimension less	TINYINT	1	0	Tessellation identifier. Details in the TessellationType table.
projectionID	dimension less	SMALLINT	2	-1	Projection cell identifier.
skyCellID	dimension less	TINYINT	1	255	Skycell region identifier.
randomID	dimension less	FLOAT	8	NA	Random value drawn from the interval between zero and one.
batchID	dimension less	BIGINT	8	NA	Internal database batch identifier.
dvoRegionID	dimension less	INT	4	-1	Internal DVO region identifier.
processingVersion	dimension less	TINYINT	1	NA	Data release version.
objInfoFlag	dimension less	INT	4	0	Information flag bitmask indicating details of the photometry. Values listed in ObjectInfoFlags.
qualityFlag	dimension less	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	dimension less	REAL	4	-999	Reduced chi squared value of mean position.
cx	dimension less	FLOAT	8	NA	Cartesian x on a unit sphere.
cy	dimension less	FLOAT	8	NA	Cartesian y on a unit sphere.
cz	dimension less	FLOAT	8	NA	Cartesian z on a unit sphere.
lambda	degrees	FLOAT	8	-999	Ecliptic longitude.
beta	degrees	FLOAT	8	-999	Ecliptic latitude.
l	degrees	FLOAT	8	-999	Galactic longitude.
b	degrees	FLOAT	8	-999	Galactic latitude.
nStackObject Rows	dimension less	SMALLINT	2	-999	Number of independent StackObjectThin rows associated with this object.
nStackDetections	dimension less	SMALLINT	2	-999	Number of stack detections.
nDetections	dimension less	SMALLINT	2	-999	Number of single epoch detections in all filters.
ng	dimension less	SMALLINT	2	-999	Number of single epoch detections in g filter.
nr	dimension less	SMALLINT	2	-999	Number of single epoch detections in r filter.
ni	dimension less	SMALLINT	2	-999	Number of single epoch detections in i filter.
nz	dimension less	SMALLINT	2	-999	Number of single epoch detections in z filter.
ny	dimension less	SMALLINT	2	-999	Number of single epoch detections in y filter.
gQfPerfect	dimension less	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	dimension less	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	dimension less	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	dimension less	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from g filter detections.

gFlags	dimension less	INT	4	0	Information flag bitmask for mean object from g filter detections. Values listed in ObjectFilterFlags.
rQfPerfect	dimension less	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	dimension less	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	dimension less	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	dimension less	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from r filter detections.
rFlags	dimension less	INT	4	0	Information flag bitmask for mean object from r filter detections. Values listed in ObjectFilterFlags.
iQfPerfect	dimension less	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	dimension less	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	dimension less	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	dimension less	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from i filter detections.
iFlags	dimension less	INT	4	0	Information flag bitmask for mean object from i filter detections. Values listed in ObjectFilterFlags.
zQfPerfect	dimension less	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	dimension less	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	dimension less	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	dimension less	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from z filter detections.
zFlags	dimension less	INT	4	0	Information flag bitmask for mean object from z filter detections. Values listed in ObjectFilterFlags.
yQfPerfect	dimension less	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	dimension less	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	dimension less	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.
yMeanApMag Err	AB magnitudes	REAL	4	-999	Error in mean aperture magnitude from y filter detections.
yMeanApMag Std	AB magnitudes	REAL	4	-999	Standard deviation of aperture magnitudes from y filter detections.
yMeanApMag Npt	dimension less	SMALLINT	2	-999	Number of measurements included in mean aperture magnitude from y filter detections.
yFlags	dimension less	INT	4	0	Information flag bitmask for mean object from y filter detections. Values listed in ObjectFilterFlags.