PS1 MeanObject table fields

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

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.