PS1 ForcedGalaxyModelView table fields

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

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

Description: -- ObjectThin join ForcedGalaxyShape 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.
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	dimension less	REAL	4	-999	Sersic index of the model fit for the r filter measurement.
rGalFlags	dimension less	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (r filter measurement, values defined in ForcedGalaxyShapeFlags).
rGalChisq	dimension less	REAL	4	-999	Reduced chi squared value for r filter measurement.
iippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
istackImageID	dimension less	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	dimension less	REAL	4	-999	Sersic index of the model fit for the i filter measurement.
iGalFlags	dimension less	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (i filter measurement, values defined in ForcedGalaxyShapeFlags).
iGalChisq	dimension less	REAL	4	-999	Reduced chi squared value for i filter measurement.
zippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
zstackImageID	dimension less	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	dimension less	REAL	4	-999	Sersic index of the model fit for the z filter measurement.
zGalFlags	dimension less	SMALLINT	2	-999	Analysis flags for the galaxy model chi-square fit (z filter measurement, values defined in ForcedGalaxyShapeFlags).
zGalChisq	dimension less	REAL	4	-999	Reduced chi squared value for z filter measurement.
yippDetectID	dimension less	BIGINT	8	NA	IPP internal detection identifier.
ystackImageID	dimension less	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.