

PS1 ForcedMeanLensing table fields

The starting point for the PS1 data archive is at [Pan-STARRS1 data archive home page](#).

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.
uniquePspFOid	dimensionless	BIGINT	8	NA	Unique internal PPS 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.

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.
yLensPSFSmearE2	arcsec ⁻²	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced y filter detections.
yLensPSFShearX11	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced y filter detections.
yLensPSFShearX12	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced y filter detections.
yLensPSFShearX22	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced y filter detections.
yLensPSFShearE1	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced y filter detections.
yLensPSFShearE2	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced y filter detections.