

# 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 PSPS 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 <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced g filter detections.
gLensObjSmearX12	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced g filter detections.
gLensObjSmearX22	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced g filter detections.
gLensObjSmearE1	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced g filter detections.
gLensObjSmearE2	arcsec <sup>2</sup>	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 <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced g filter detections.
gLensPSFSmearX12	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced g filter detections.
gLensPSFSmearX22	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced g filter detections.
gLensPSFSmearE1	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced g filter detections.
gLensPSFSmearE2	arcsec <sup>2</sup>	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.

[illegible]

[illegible]

<b>zLensPSFShearE2</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced z filter detections.
<b>yLensObjSmearX11</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from forced y filter detections.
<b>yLensObjSmearX12</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from forced y filter detections.
<b>yLensObjSmearX22</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from forced y filter detections.
<b>yLensObjSmearE1</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from forced y filter detections.
<b>yLensObjSmearE2</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from forced y filter detections.
<b>yLensObjShearX11</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from forced y filter detections.
<b>yLensObjShearX12</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from forced y filter detections.
<b>yLensObjShearX22</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from forced y filter detections.
<b>yLensObjShearE1</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from forced y filter detections.
<b>yLensObjShearE2</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from forced y filter detections.
<b>yLensPSFSmearX11</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X11 term from PSF model for forced y filter detections.
<b>yLensPSFSmearX12</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X12 term from PSF model for forced y filter detections.
<b>yLensPSFSmearX22</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A11) smear polarizability X22 term from PSF model for forced y filter detections.
<b>yLensPSFSmearE1</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e1 term from PSF model for forced y filter detections.
<b>yLensPSFSmearE2</b>	arcsec <sup>2</sup>	REAL	4	-999	Kaiser et al. (1995) equation (A12) smear polarizability e2 term from PSF model for forced y filter detections.
<b>yLensPSFShearX11</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X11 term from PSF model for forced y filter detections.
<b>yLensPSFShearX12</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X12 term from PSF model for forced y filter detections.
<b>yLensPSFShearX22</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B11) shear polarizability X22 term from PSF model for forced y filter detections.
<b>yLensPSFShearE1</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e1 term from PSF model for forced y filter detections.
<b>yLensPSFShearE2</b>	dimensionless	REAL	4	-999	Kaiser et al. (1995) equation (B12) shear polarizability e2 term from PSF model forced y filter detections.