

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 ⁻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. |

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|-------------------------|---------------------|------|---|------|--|
| 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. |