

ImageDetEffMeta

Description: Contains the detection efficiency information for a given individual OTA image. Provides the number of recovered sources out of 500 injected fake source and statistics about the magnitudes of the recovered sources for a range of magnitude offsets.

Name	Unit	Data Type	Size	Default Value	Description
imageID	dimensionless	BIGINT	8	NA	Unique image identifier. Constructed as (100 * frameID + ccdID).
frameID	dimensionless	INT	4	NA	Unique frame/exposure identifier.
magref	magnitudes	REAL	4	NA	Detection efficiency reference magnitude.
nInjected	dimensionless	INT	4	NA	Number of fake sources injected in each magnitude bin.
offset01	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 1.
counts01	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 1.
diffMean01	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 1.
diffStdev01	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 1.
errMean01	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 1.
offset02	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 2.
counts02	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 2.
diffMean02	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 2.
diffStdev02	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 2.
errMean02	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 2.
offset03	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 3.
counts03	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 3.
diffMean03	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 3.
diffStdev03	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 3.
errMean03	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 3.
offset04	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 4.
counts04	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 4.
diffMean04	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 4.
diffStdev04	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 4.
errMean04	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 4.
offset05	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 5.
counts05	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 5.
diffMean05	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 5.
diffStdev05	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 5.
errMean05	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 5.
offset06	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 6.
counts06	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 6.
diffMean06	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 6.
diffStdev06	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 6.
errMean06	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 6.
offset07	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 7.
counts07	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 7.
diffMean07	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 7.
diffStdev07	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 7.
errMean07	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 7.
offset08	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 8.

counts08	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 8.
diffMean08	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 8.
diffStdev08	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 8.
errMean08	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 8.
offset09	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 9.
counts09	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 9.
diffMean09	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 9.
diffStdev09	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 9.
errMean09	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 9.
offset10	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 10.
counts10	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 10.
diffMean10	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 10.
diffStdev10	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 10.
errMean10	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 10.
offset11	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 11.
counts11	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 11.
diffMean11	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 11.
diffStdev11	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 11.
errMean11	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 11.
offset12	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 12.
counts12	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 12.
diffMean12	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 12.
diffStdev12	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 12.
errMean12	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 12.
offset13	magnitudes	REAL	4	NA	Detection efficiency magnitude offset for bin 13.
counts13	dimensionless	REAL	4	NA	Detection efficiency count of recovered sources in bin 13.
diffMean13	magnitudes	REAL	4	NA	Detection efficiency mean magnitude difference in bin 13.
diffStdev13	magnitudes	REAL	4	NA	Detection efficiency standard deviation of magnitude differences in bin 13.
errMean13	magnitudes	REAL	4	NA	Detection efficiency mean magnitude error in bin 13.