

# DiffDetEffMeta

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

Name	Unit	Data Type	Size	Default Value	Description
diffImageID	dimensionless	BIGINT	8	NA	Unique difference image 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.

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