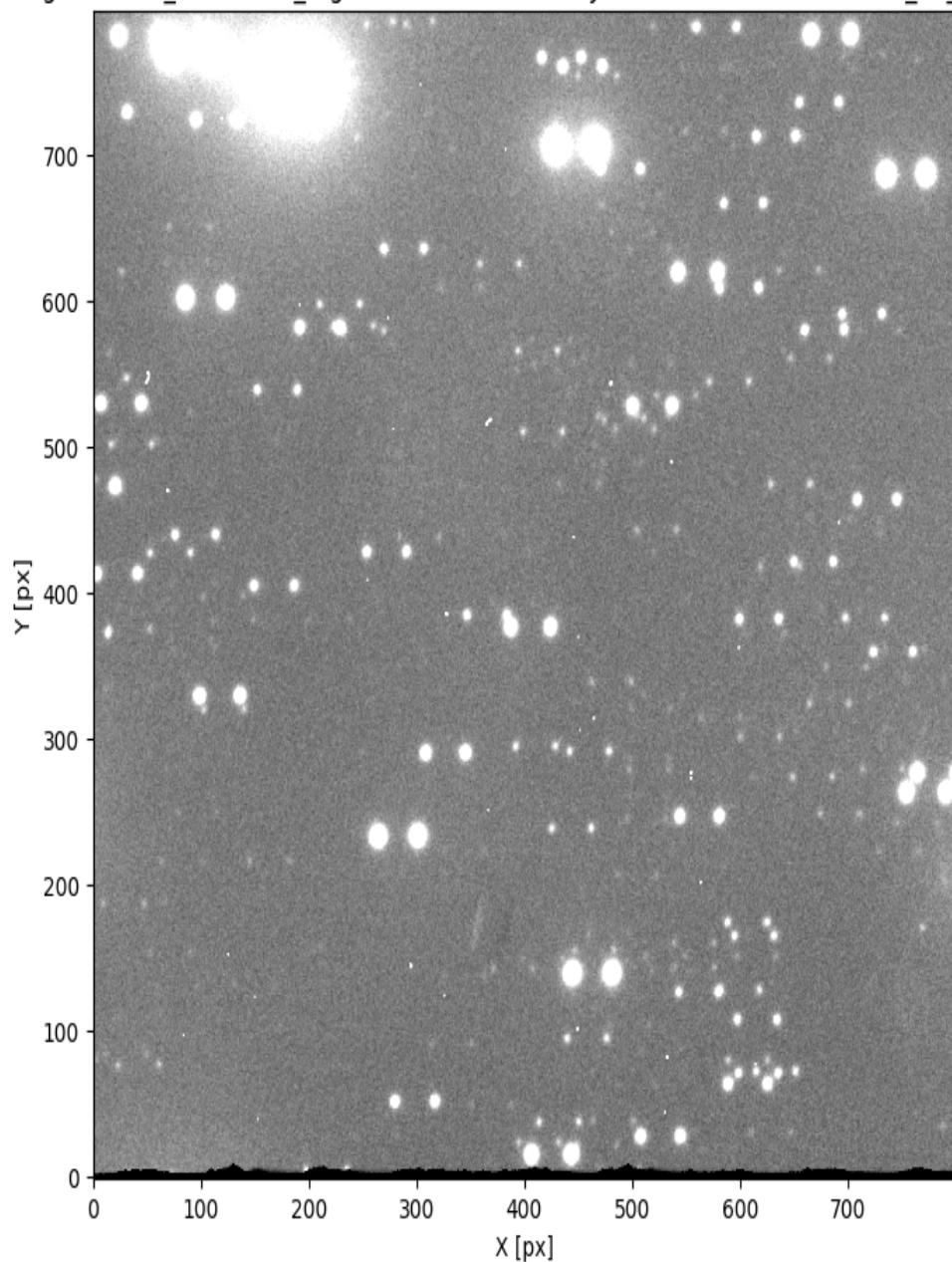
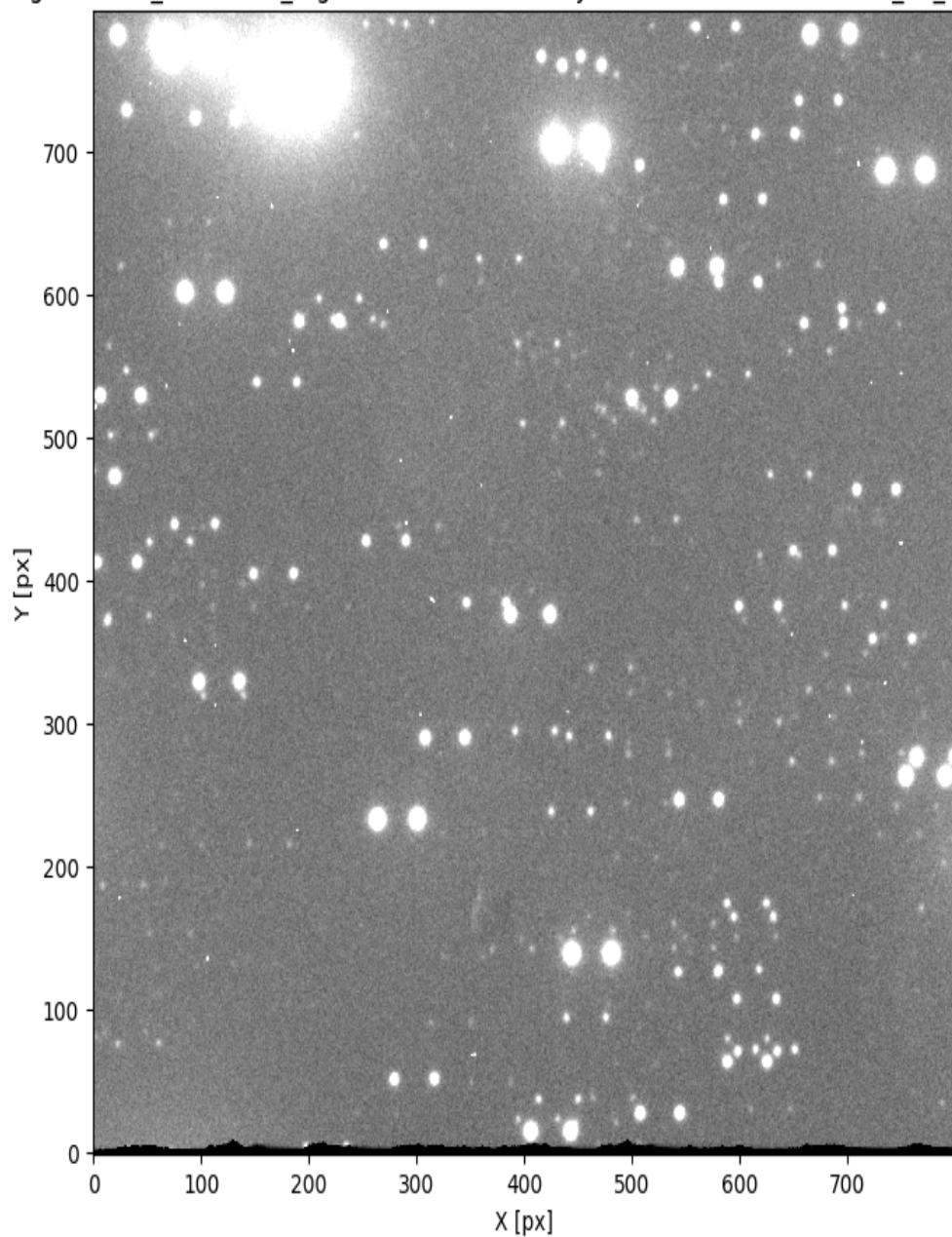


# 1. Imágenes originales

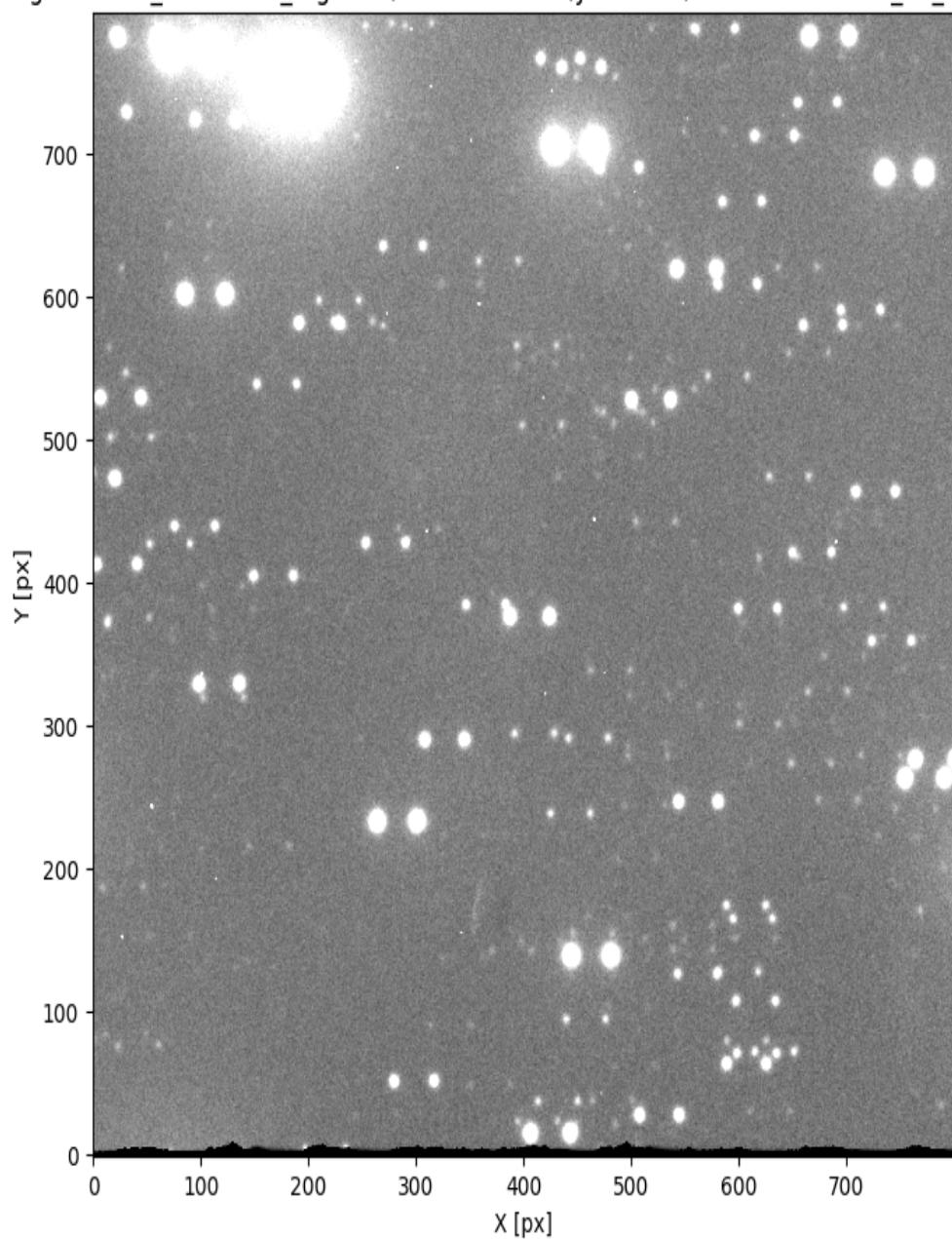
Reference Image noche1\_20230720\_organize/EXO2030+375/JohnsonV/caf-20230721-03\_24\_27-sci-blap\_b\_f.fits



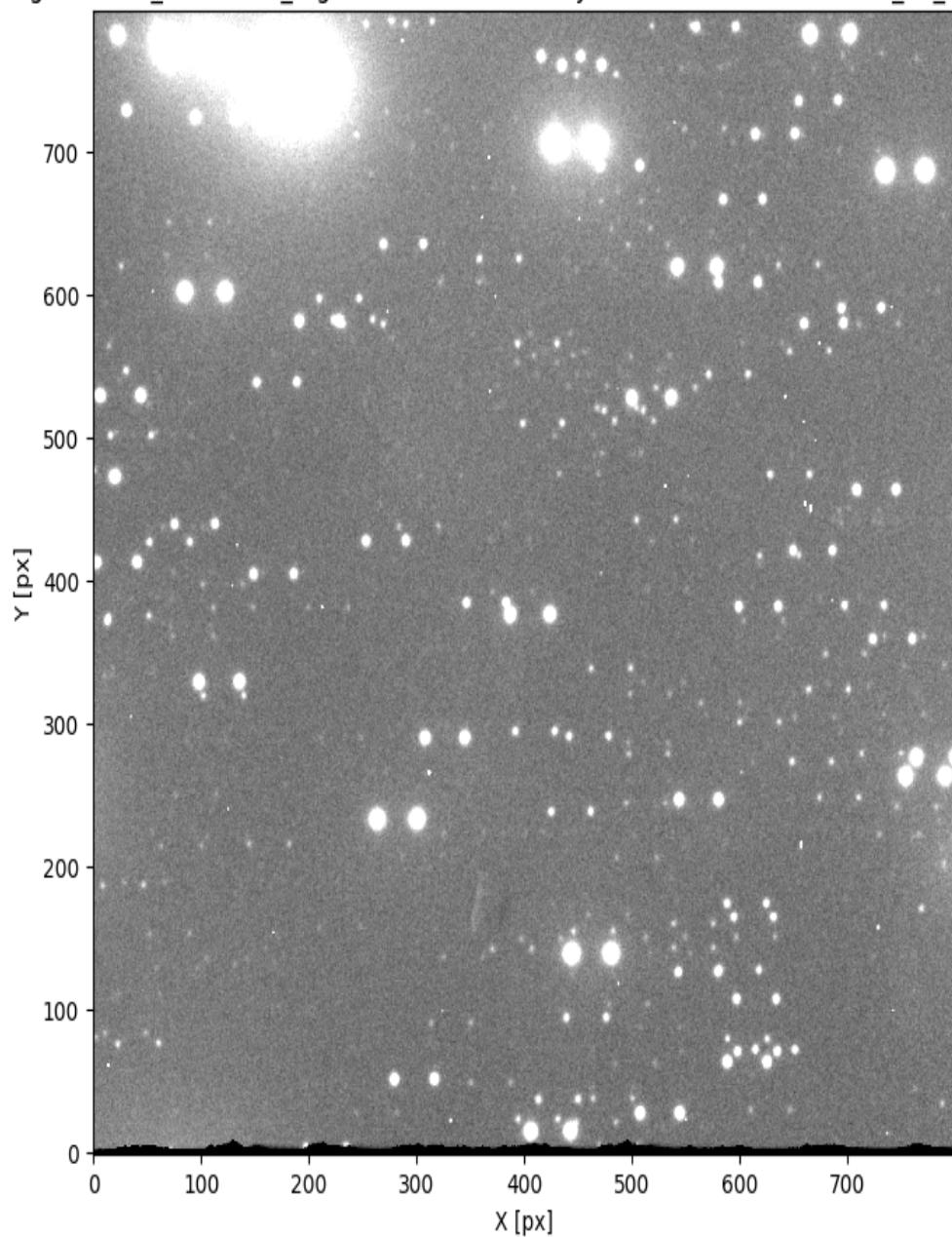
Original Image noche1\_20230720\_organize/EXO2030+375/johnsonV/caf-20230721-03\_27\_40-sci-blap\_b\_f.fits



Original Image noche1\_20230720\_organize/EXO2030+375/JohnsonV/caf-20230721-03\_30\_53-sci-blap\_b\_f.fits

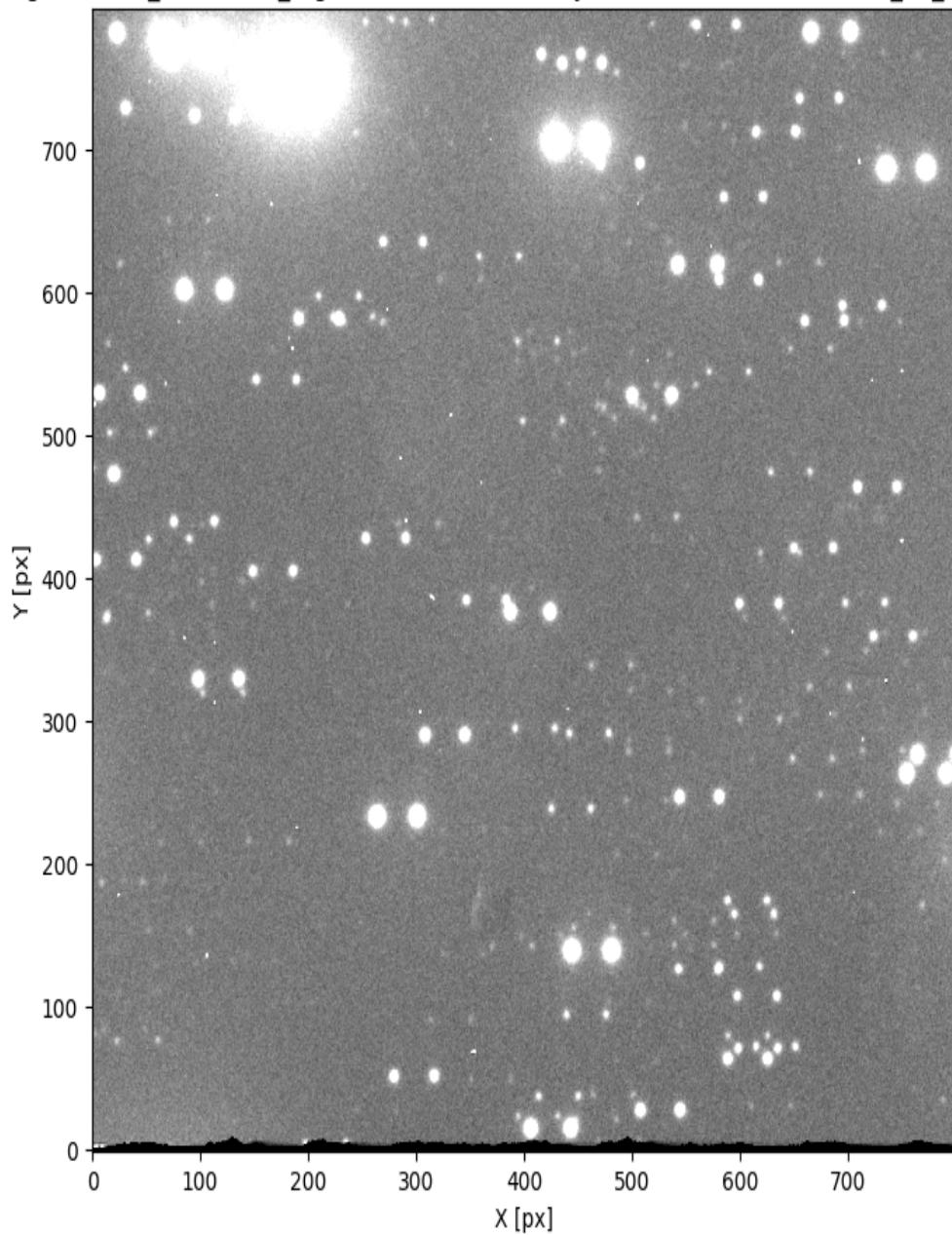


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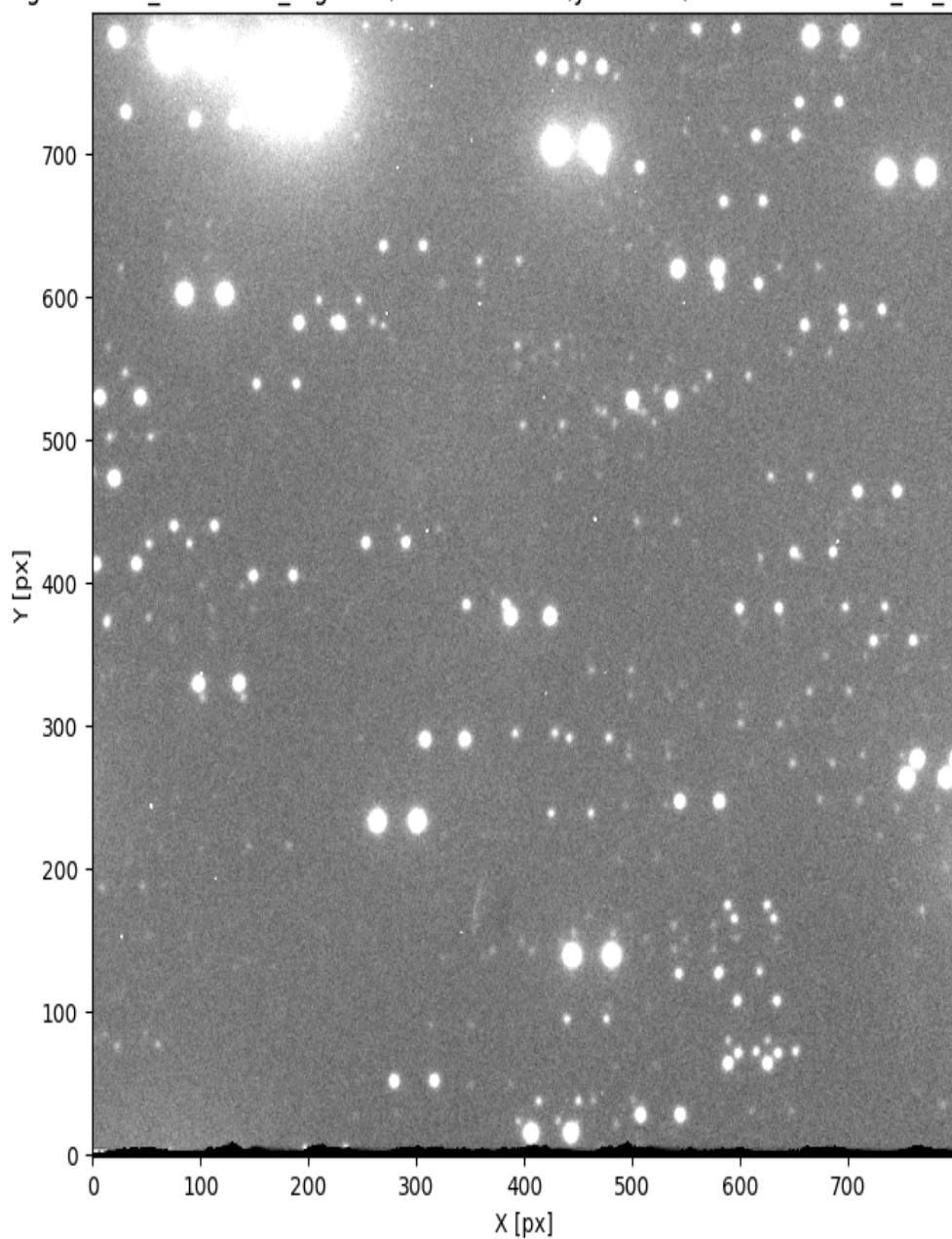


## 2. Imágenes alineadas

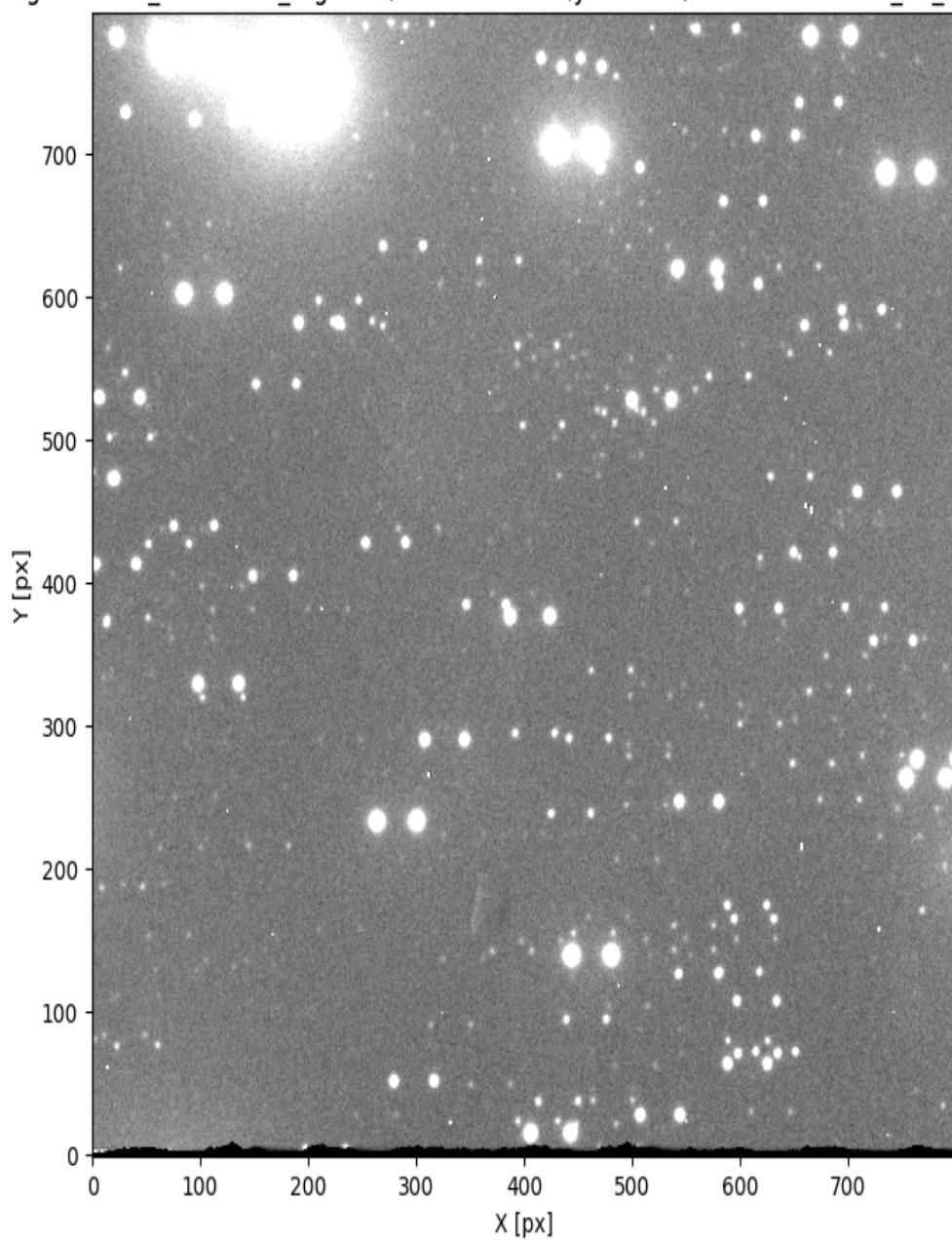
Aligned Image noche1\_20230720\_organize/EXO2030+375/JohnsonV/caf-20230721-03\_27\_40-sci-blap\_b\_f.fits



Aligned Image noche1\_20230720\_organize/EX02030+375/JohnsonV/caf-20230721-03\_30\_53-sci-blap\_b\_f.fits

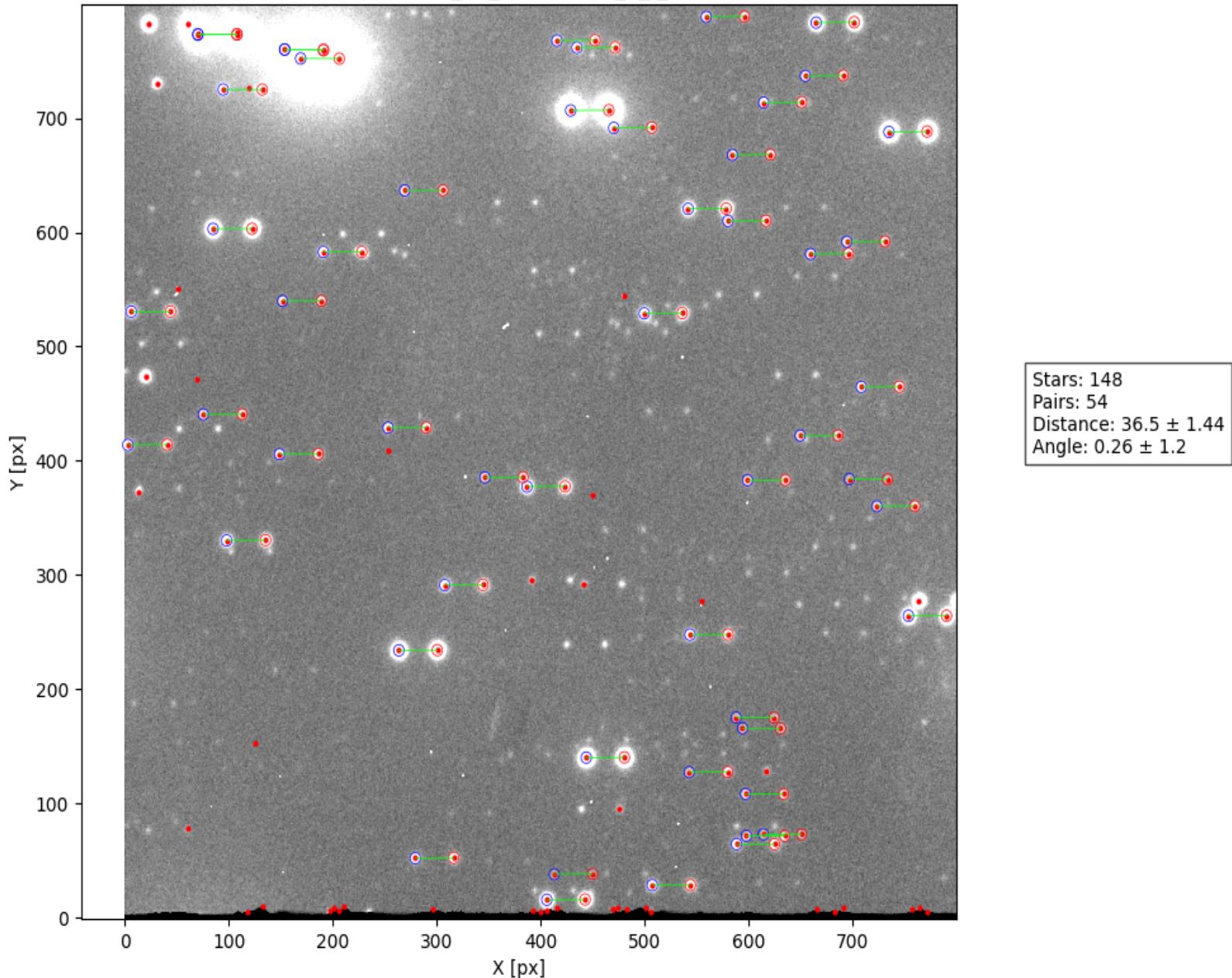


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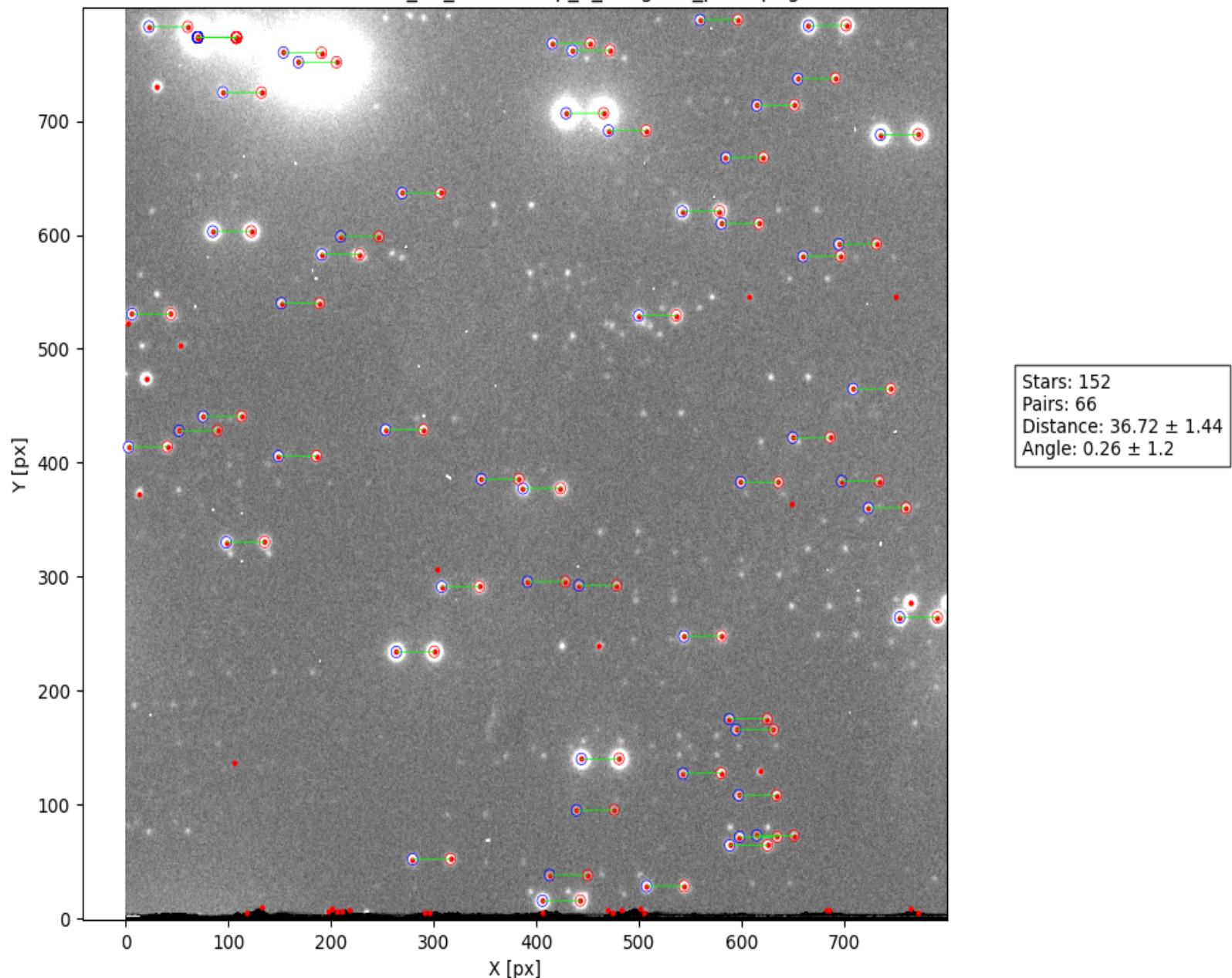


### 3. Imágenes con pares identificados

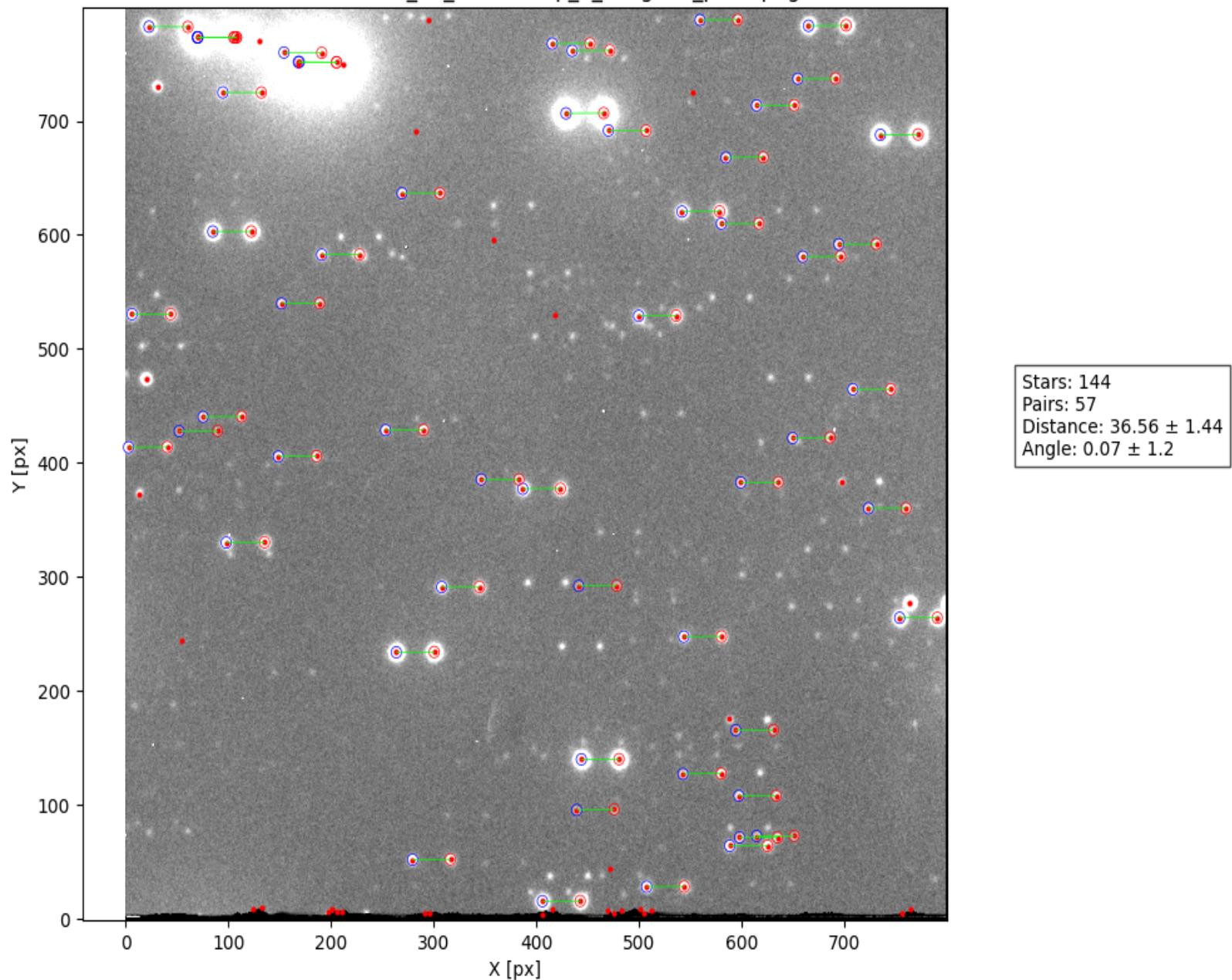
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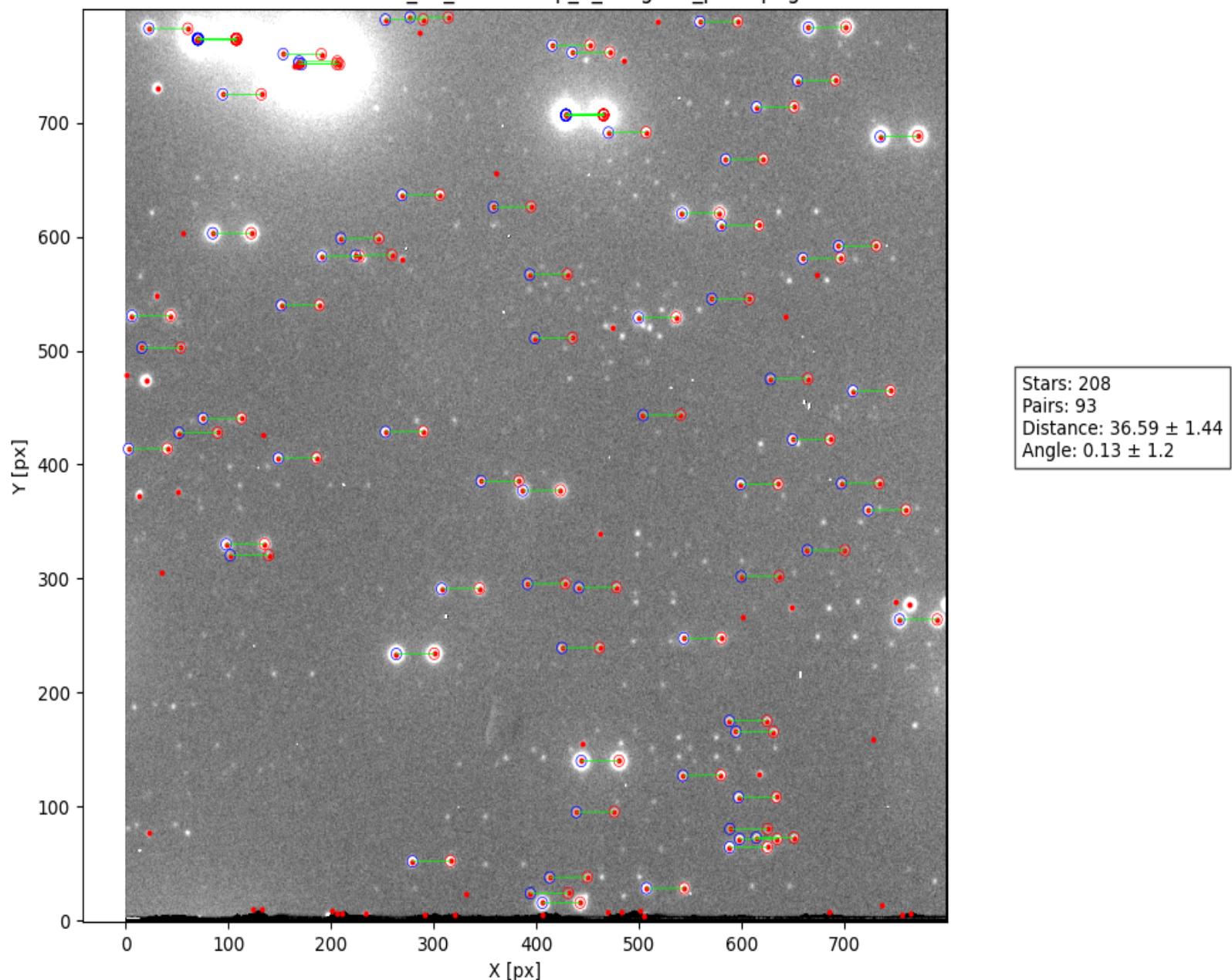
caf-20230721-03\_27\_40-sci-blap\_b\_f-aligned\_pairs.png



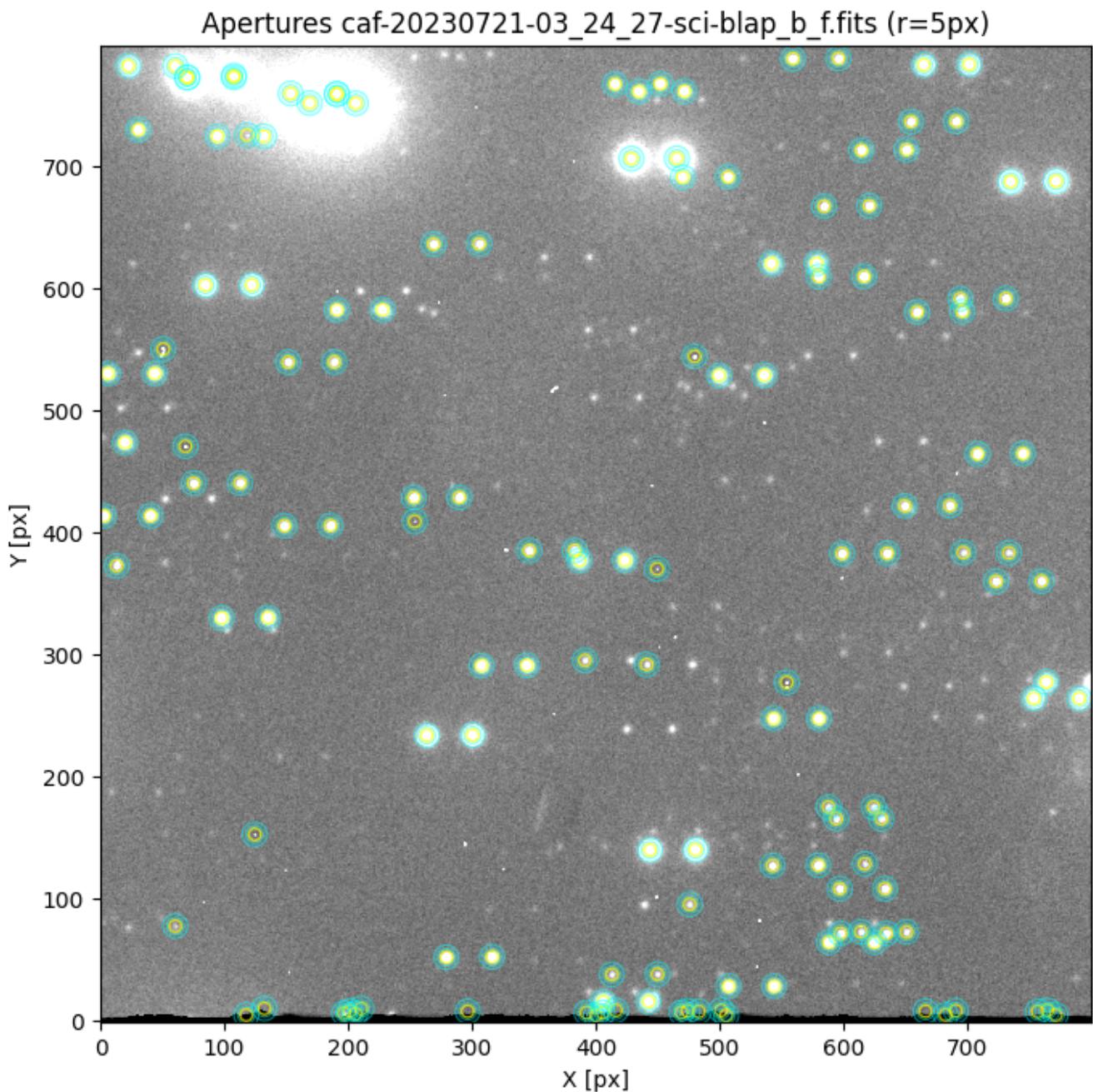
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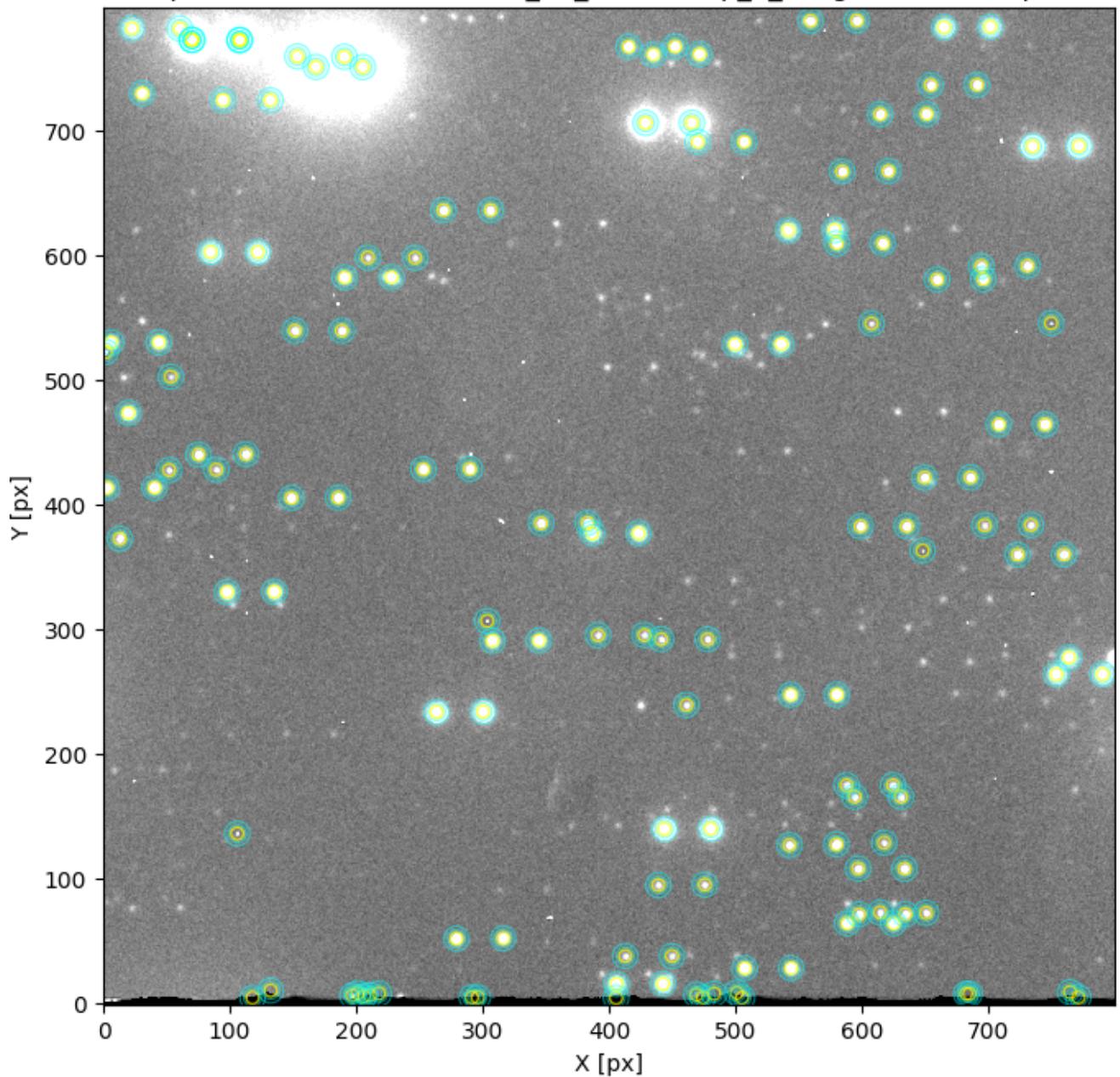
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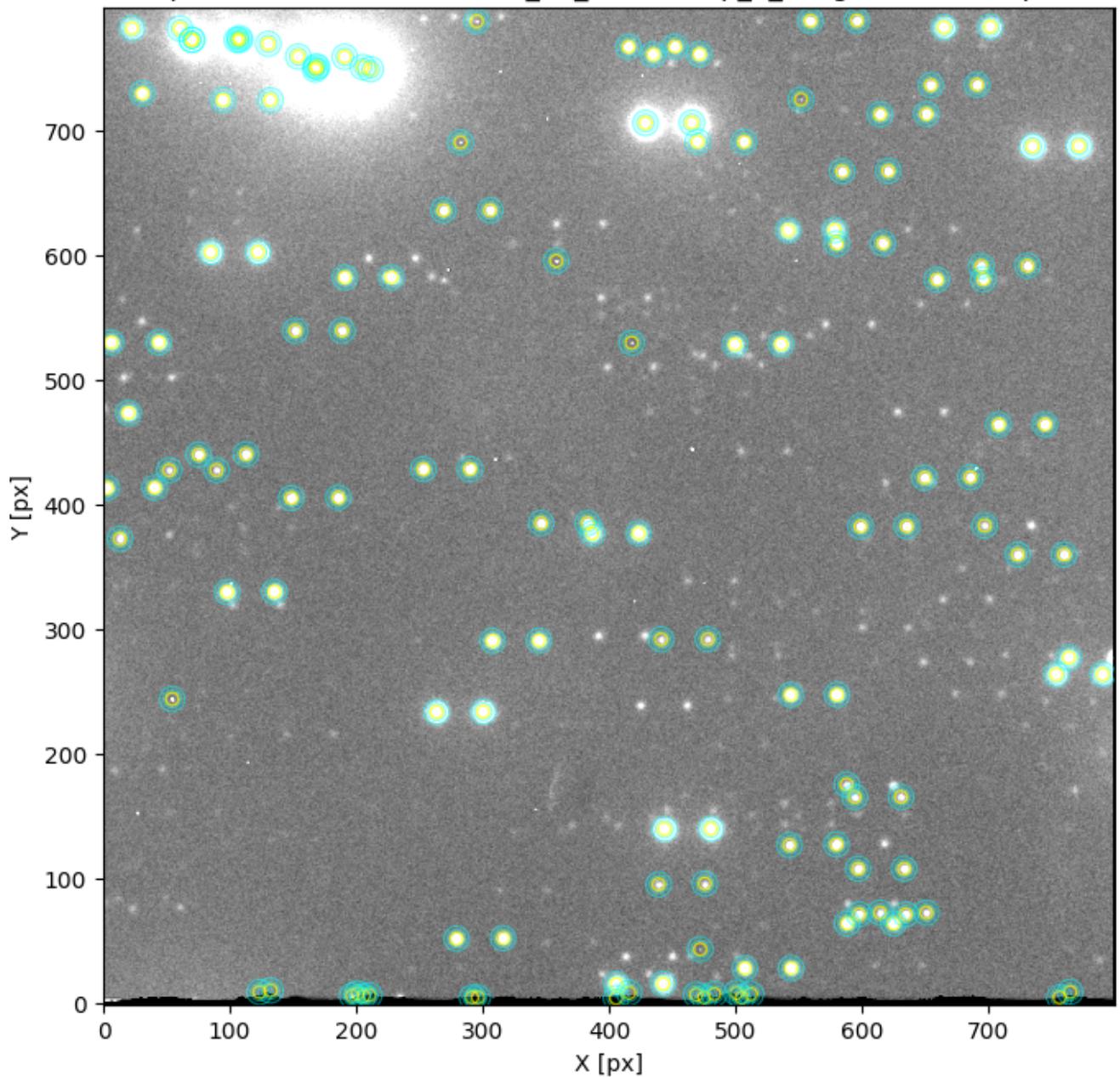
## 4. Fotometría — Aperturas



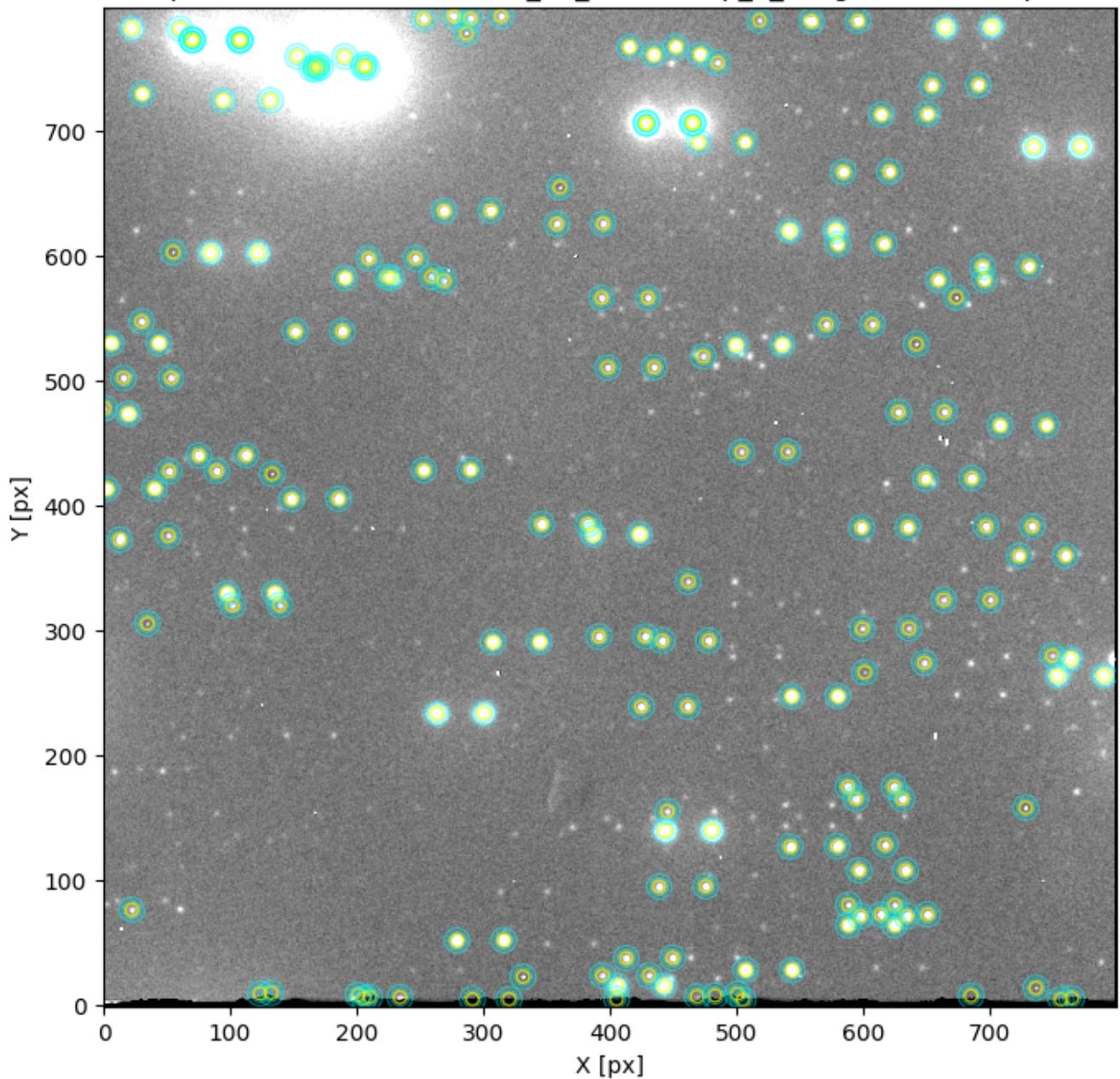
Apertures caf-20230721-03\_27\_40-sci-blap\_b\_f-aligned.fits (r=5px)



Apertures caf-20230721-03\_30\_53-sci-blap\_b\_f-aligned.fits (r=5px)

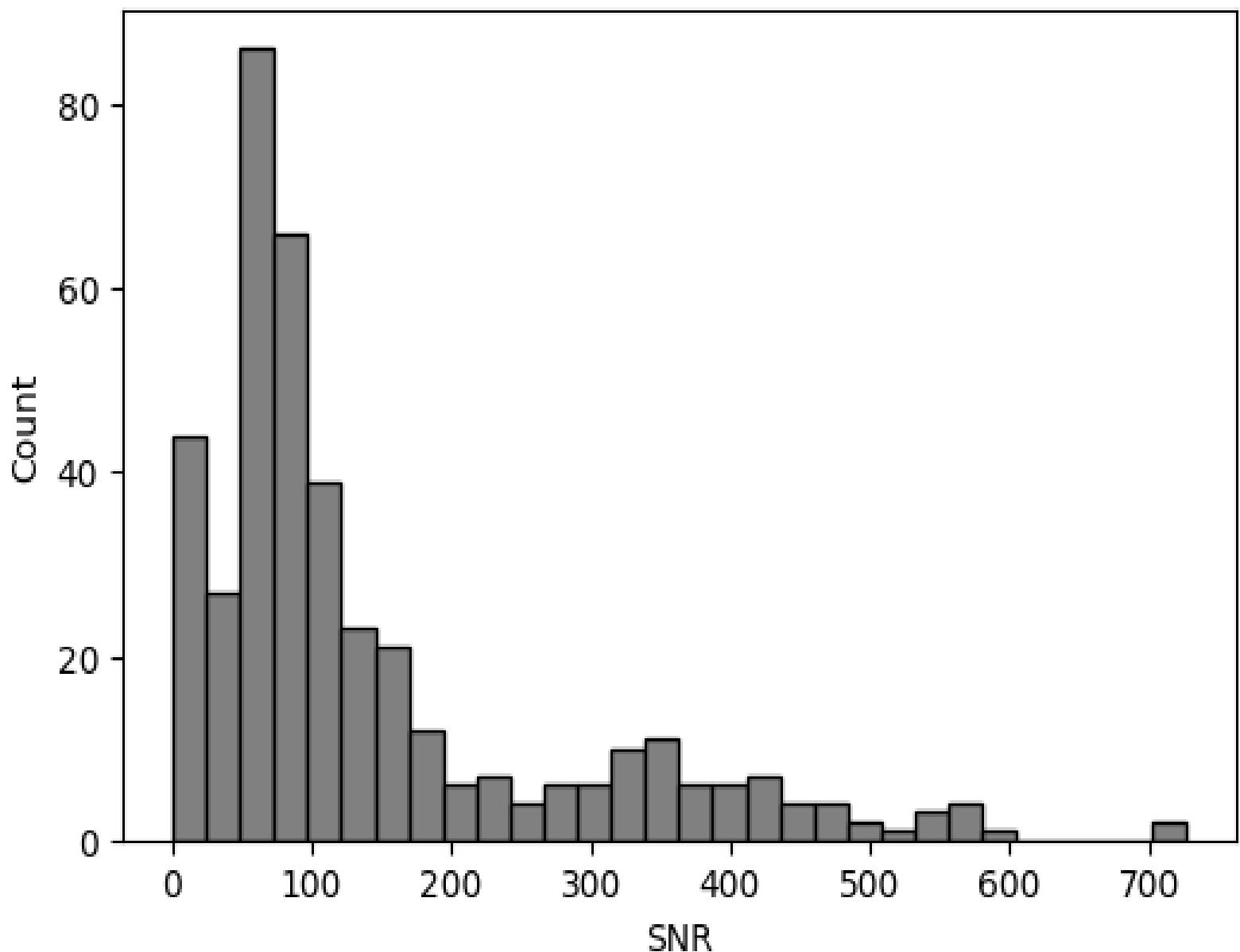


Apertures caf-20230721-03\_34\_07-sci-blap\_b\_f-aligned.fits (r=5px)

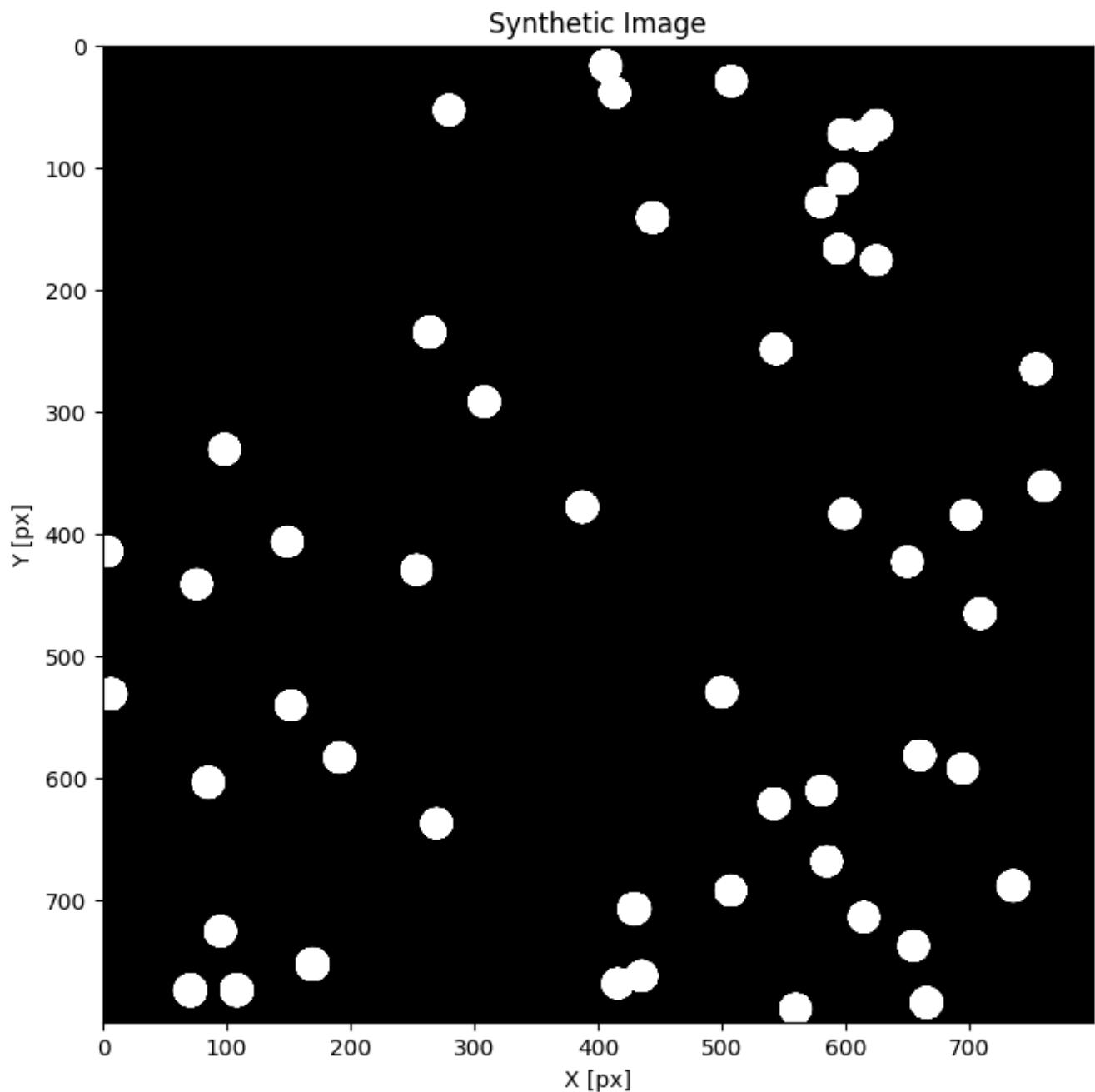


## 4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



## 5. Astrometría — Imagen sintética



## 5. Astrometría — Resultados SIMBAD

| Par | RA (°)     | DEC (°)   | Simbad ID                    | Object Type            |
|-----|------------|-----------|------------------------------|------------------------|
| 0   | 308.063076 | 37.704859 | No_ID                        |                        |
| 1   | 308.081667 | 37.702235 | ZTF J203219.63+374207.5      | BYDraV*                |
| 2   | 308.064180 | 37.701549 | No_ID                        |                        |
| 3   | 308.039379 | 37.700504 | No_ID                        |                        |
| 4   | 308.103030 | 37.696102 | Gaia DR3 2063803666303405696 | EclBin                 |
| 5   | 308.097941 | 37.695240 | Gaia DR3 2063803666303405696 | EclBin                 |
| 6   | 308.100966 | 37.694927 | Gaia DR3 2063803666303405696 | EclBin                 |
| 7   | 308.097442 | 37.689894 | Gaia DR3 2063803666303405696 | EclBin                 |
| 8   | 308.094063 | 37.687221 | 2MASS J20322097+3741148      | LongPeriodV*_Candidate |
| 9   | 308.068855 | 37.686425 | No_ID                        |                        |
| 10  | 308.096348 | 37.681536 | 2MASS J20322097+3741148      | LongPeriodV*_Candidate |
| 11  | 308.101848 | 37.679947 | No_ID                        |                        |
| 12  | 308.034715 | 37.674112 | USNO-B1.0 1276-00508569      | Star                   |
| 13  | 308.086208 | 37.669971 | No_ID                        |                        |
| 14  | 308.124849 | 37.665961 | No_ID                        |                        |
| 15  | 308.042303 | 37.665450 | ZTF J203207.92+373938.6      | EclBin                 |
| 16  | 308.003295 | 37.661363 | No_ID                        |                        |
| 17  | 308.125015 | 37.651896 | No_ID                        |                        |
| 18  | 308.056040 | 37.652281 | UCAC2 45062110               | Star                   |
| 19  | 308.095098 | 37.649830 | No_ID                        |                        |
| 20  | 308.113141 | 37.648946 | No_ID                        |                        |
| 22  | 308.011912 | 37.649957 | No_ID                        |                        |
| 23  | 307.984996 | 37.649904 | No_ID                        |                        |
| 24  | 308.104037 | 37.643735 | No_ID                        |                        |
| 25  | 308.030908 | 37.645792 | No_ID                        |                        |
| 26  | 307.998110 | 37.645445 | No_ID                        |                        |
| 27  | 308.114468 | 37.637073 | No_ID                        |                        |
| 28  | 308.075354 | 37.629297 | No_ID                        |                        |
| 29  | 307.984520 | 37.632884 | No_ID                        |                        |
| 30  | 308.011189 | 37.630400 | No_ID                        |                        |
| 31  | 308.104318 | 37.620483 | No_ID                        |                        |
| 32  | 308.018006 | 37.623853 | Gaia DR3 2063801505937478656 | EclBin                 |
| 33  | 308.110642 | 37.618633 | No_ID                        |                        |

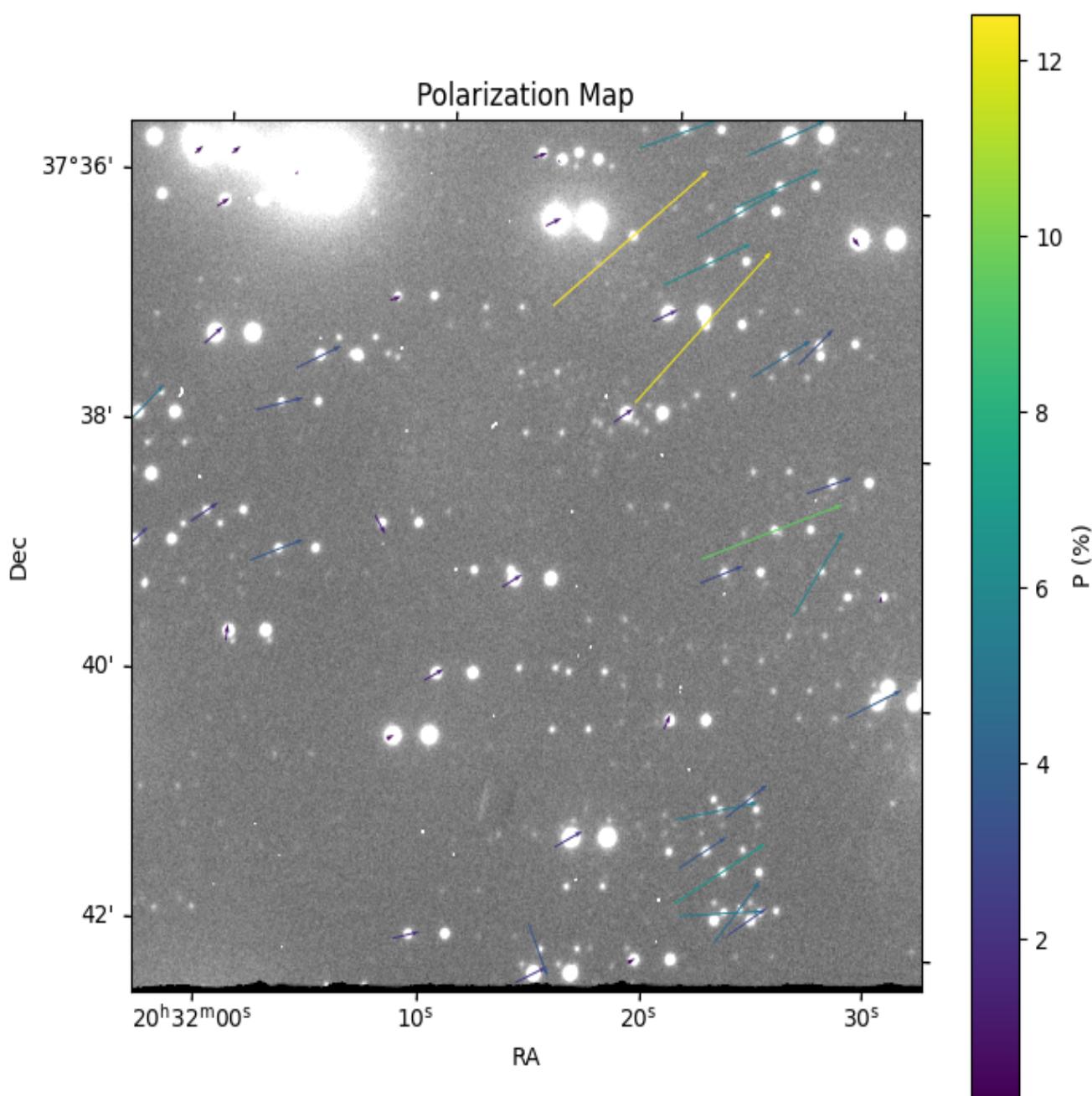
|    |            |           |                           |                        |
|----|------------|-----------|---------------------------|------------------------|
| 34 | 307.998296 | 37.621720 | 2MASS J20315963+3737177   | EmLine*                |
| 35 | 308.089397 | 37.616876 | UCAC2 45062139            | Star                   |
| 36 | 308.082246 | 37.615629 | UCAC2 45062139            | Star                   |
| 37 | 308.031880 | 37.615394 | [SUH2012] G077.127-01.228 | Cluster*_Candidate     |
| 38 | 308.089621 | 37.608417 | IRAS 20304+3725           | Infrared               |
| 39 | 308.117191 | 37.604315 | No_ID                     |                        |
| 40 | 308.075104 | 37.605521 | No_ID                     |                        |
| 41 | 308.060600 | 37.603950 | TYC 3153-950-1            | Star                   |
| 42 | 308.094711 | 37.601511 | IRAS 20304+3725           | Infrared               |
| 43 | 307.998945 | 37.603874 | TYC 3153-6-1              | Star                   |
| 44 | 308.101870 | 37.597780 | No_ID                     |                        |
| 45 | 308.012375 | 37.599341 | TYC 3153-612-1            | Star                   |
| 48 | 308.061174 | 37.595880 | TYC 3153-950-1            | Star                   |
| 49 | 308.057562 | 37.595147 | TYC 3153-950-1            | Star                   |
| 50 | 307.994009 | 37.597011 | TYC 3153-6-1              | Star                   |
| 51 | 308.000920 | 37.596743 | 2MASS J20320134+3735409   | LongPeriodV*_Candidate |
| 52 | 308.103343 | 37.590904 | No_ID                     |                        |
| 53 | 308.083817 | 37.590994 | IRAS 20304+3725           | Infrared               |

## 6. Polarimetría — Tabla de parámetros

| Par | q (%) | u (%) | P (%) | $\theta$ (°) | Error (%) |
|-----|-------|-------|-------|--------------|-----------|
| 0   | 1.44  | 1.65  | 2.19  | 24.42        | 0.00      |
| 1   | 0.27  | 0.48  | 0.55  | 30.32        | 0.00      |
| 2   | -2.41 | -2.29 | 3.33  | -68.26       | 0.00      |
| 3   | 1.61  | 0.74  | 1.77  | 12.42        | 0.00      |
| 4   | 1.25  | 2.62  | 2.90  | 32.28        | 0.00      |
| 5   | 5.22  | 0.55  | 5.24  | 2.98         | 0.00      |
| 6   | -0.89 | 4.54  | 4.62  | 50.56        | 0.00      |
| 7   | 3.19  | 5.89  | 6.70  | 30.80        | 0.00      |
| 8   | 1.67  | 3.16  | 3.57  | 31.09        | 0.00      |
| 9   | 1.16  | 1.66  | 2.03  | 27.47        | 0.00      |
| 10  | 4.95  | 1.92  | 5.31  | 10.61        | 0.00      |
| 11  | 1.00  | 3.08  | 3.24  | 35.98        | 0.00      |
| 12  | 0.30  | 0.41  | 0.51  | 26.91        | 0.00      |
| 13  | -0.58 | 0.72  | 0.92  | 64.54        | 0.00      |
| 14  | 2.45  | 2.86  | 3.76  | 24.71        | 0.00      |
| 15  | 0.82  | 1.19  | 1.45  | 27.77        | 0.00      |
| 16  | -0.93 | 0.24  | 0.96  | 82.86        | 0.00      |
| 17  | -0.36 | 0.11  | 0.37  | 81.72        | 0.00      |
| 18  | 0.75  | 1.21  | 1.42  | 29.24        | 0.00      |
| 19  | 2.25  | 1.89  | 2.94  | 20.05        | 0.00      |
| 20  | -2.37 | 5.28  | 5.78  | 57.11        | 0.00      |
| 22  | 2.82  | 2.24  | 3.60  | 19.22        | 0.00      |
| 23  | 0.45  | 2.54  | 2.58  | 40.00        | 0.00      |
| 24  | 7.44  | 5.93  | 9.51  | 19.28        | 0.00      |
| 25  | -0.64 | -1.19 | 1.35  | -59.08       | 0.00      |
| 26  | 0.94  | 1.84  | 2.06  | 31.50        | 0.00      |
| 27  | 2.48  | 1.75  | 3.04  | 17.62        | 0.00      |
| 28  | 0.64  | 1.34  | 1.48  | 32.13        | 0.00      |
| 29  | 0.27  | 4.88  | 4.89  | 43.41        | 0.00      |
| 30  | 2.78  | 1.35  | 3.09  | 12.95        | 0.00      |
| 31  | 2.22  | 3.69  | 4.31  | 29.46        | 0.00      |
| 32  | 2.10  | 2.31  | 3.12  | 23.87        | 0.00      |
| 33  | 0.27  | 3.01  | 3.02  | 42.44        | 0.00      |

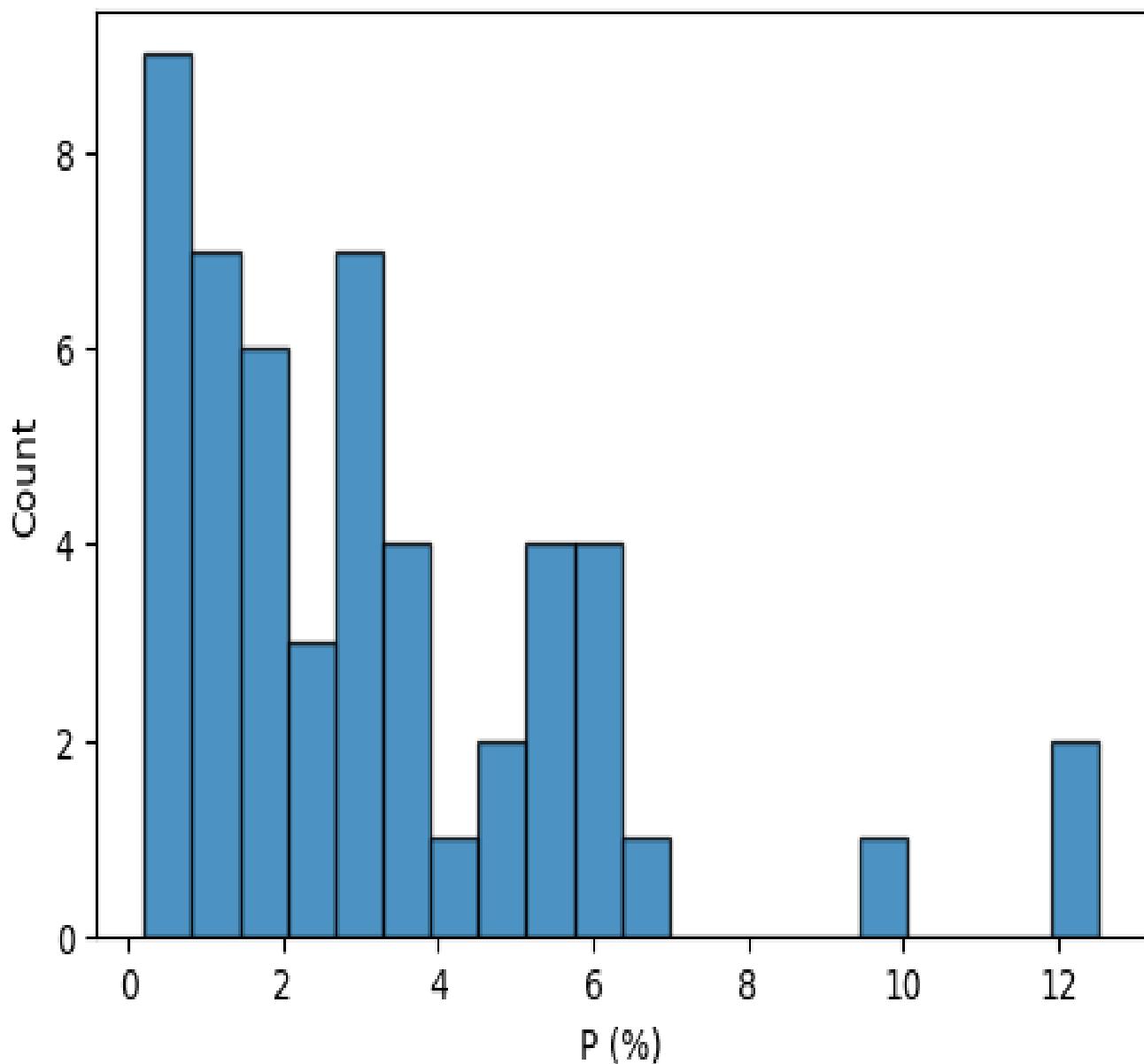
|    |       |       |       |        |      |
|----|-------|-------|-------|--------|------|
| 34 | 0.30  | 1.50  | 1.53  | 39.34  | 0.00 |
| 35 | -0.08 | 12.25 | 12.25 | 45.20  | 0.00 |
| 36 | 1.20  | 1.25  | 1.74  | 23.05  | 0.00 |
| 37 | 0.63  | 0.42  | 0.76  | 16.88  | 0.00 |
| 38 | 4.18  | 4.38  | 6.05  | 23.15  | 0.00 |
| 39 | -0.10 | -0.64 | 0.65  | -49.44 | 0.00 |
| 40 | 2.92  | 12.18 | 12.52 | 38.25  | 0.00 |
| 41 | 0.72  | 0.81  | 1.08  | 24.28  | 0.00 |
| 42 | 3.29  | 4.74  | 5.77  | 27.64  | 0.00 |
| 43 | 0.44  | 0.80  | 0.92  | 30.68  | 0.00 |
| 44 | 4.20  | 4.14  | 5.90  | 22.28  | 0.00 |
| 45 | -0.12 | 0.19  | 0.23  | 60.99  | 0.00 |
| 48 | -0.05 | -0.20 | 0.21  | -52.18 | 0.00 |
| 49 | 0.77  | 0.53  | 0.94  | 17.34  | 0.00 |
| 50 | 0.10  | 0.65  | 0.66  | 40.45  | 0.00 |
| 51 | 0.18  | 0.64  | 0.67  | 37.18  | 0.00 |
| 52 | 3.77  | 3.70  | 5.28  | 22.23  | 0.00 |
| 53 | 4.54  | 3.36  | 5.65  | 18.27  | 0.00 |

## 6. Polarimetría — Mapa de polarización



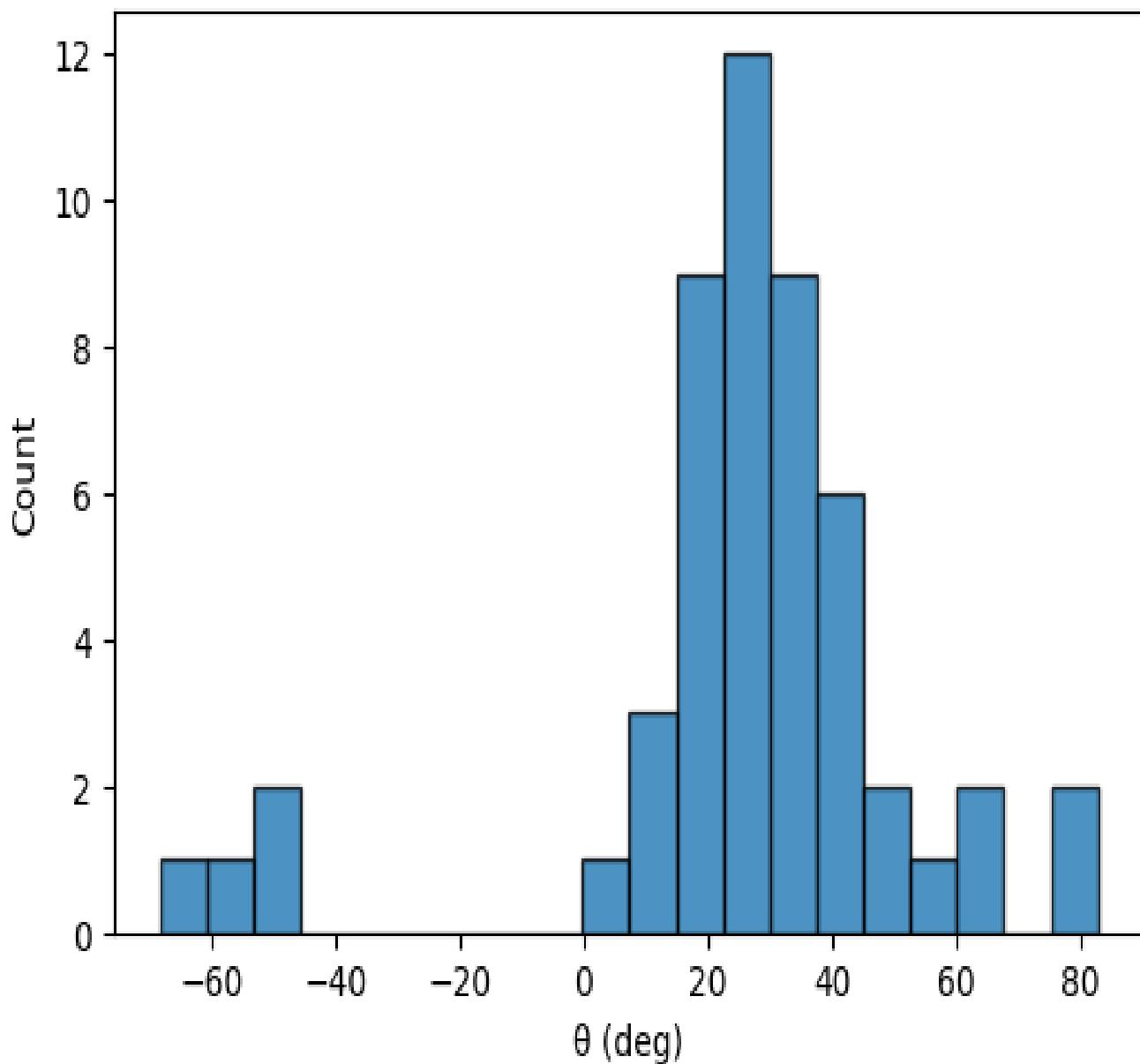
## 6. Polarimetría — Histograma de P

Histogram of Polarization Degree



## 6. Polarimetría — Histograma de $\theta$

Histogram of Polarization Angle



## 6. Polarimetría — Diagrama Q–U

