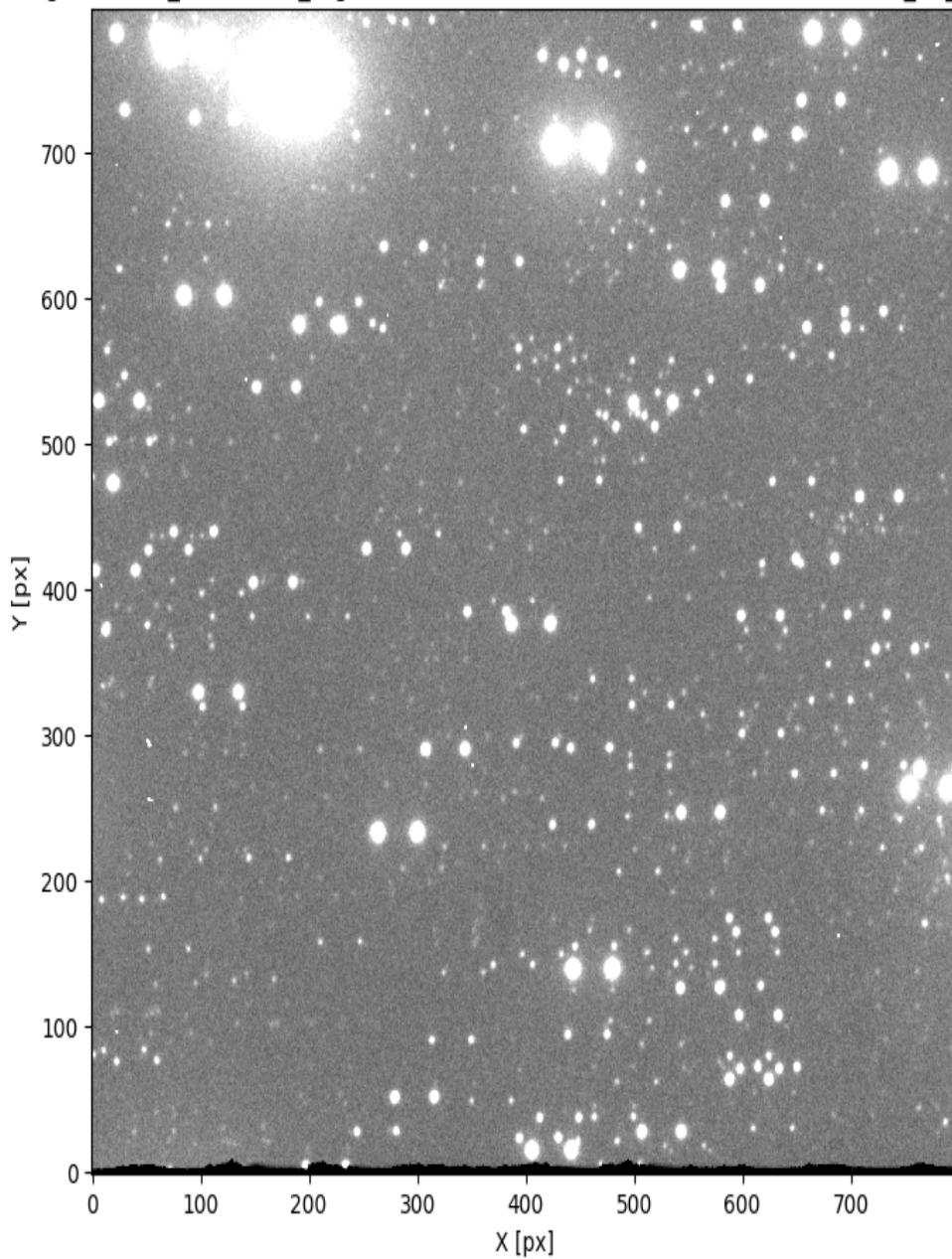
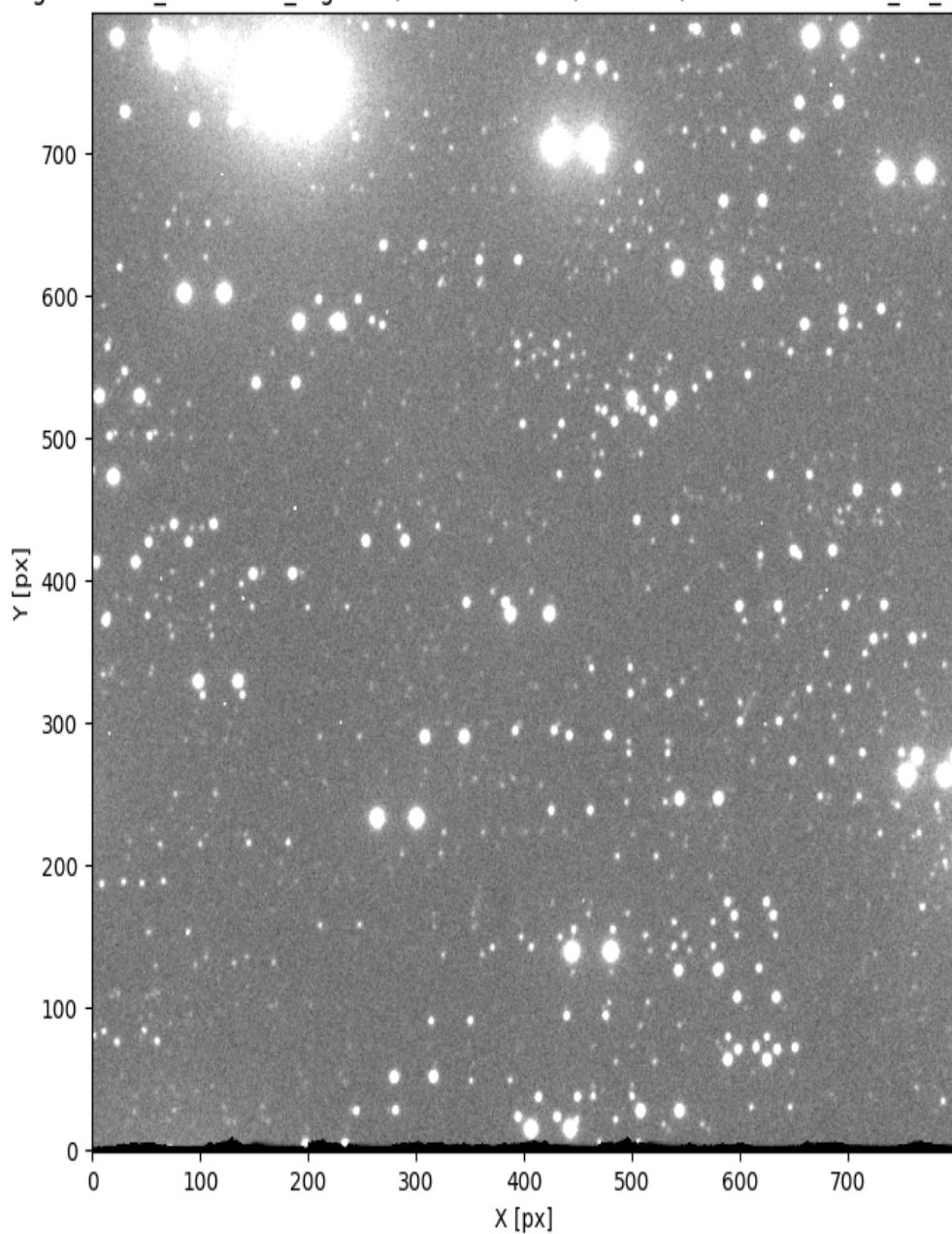


1. Imágenes originales

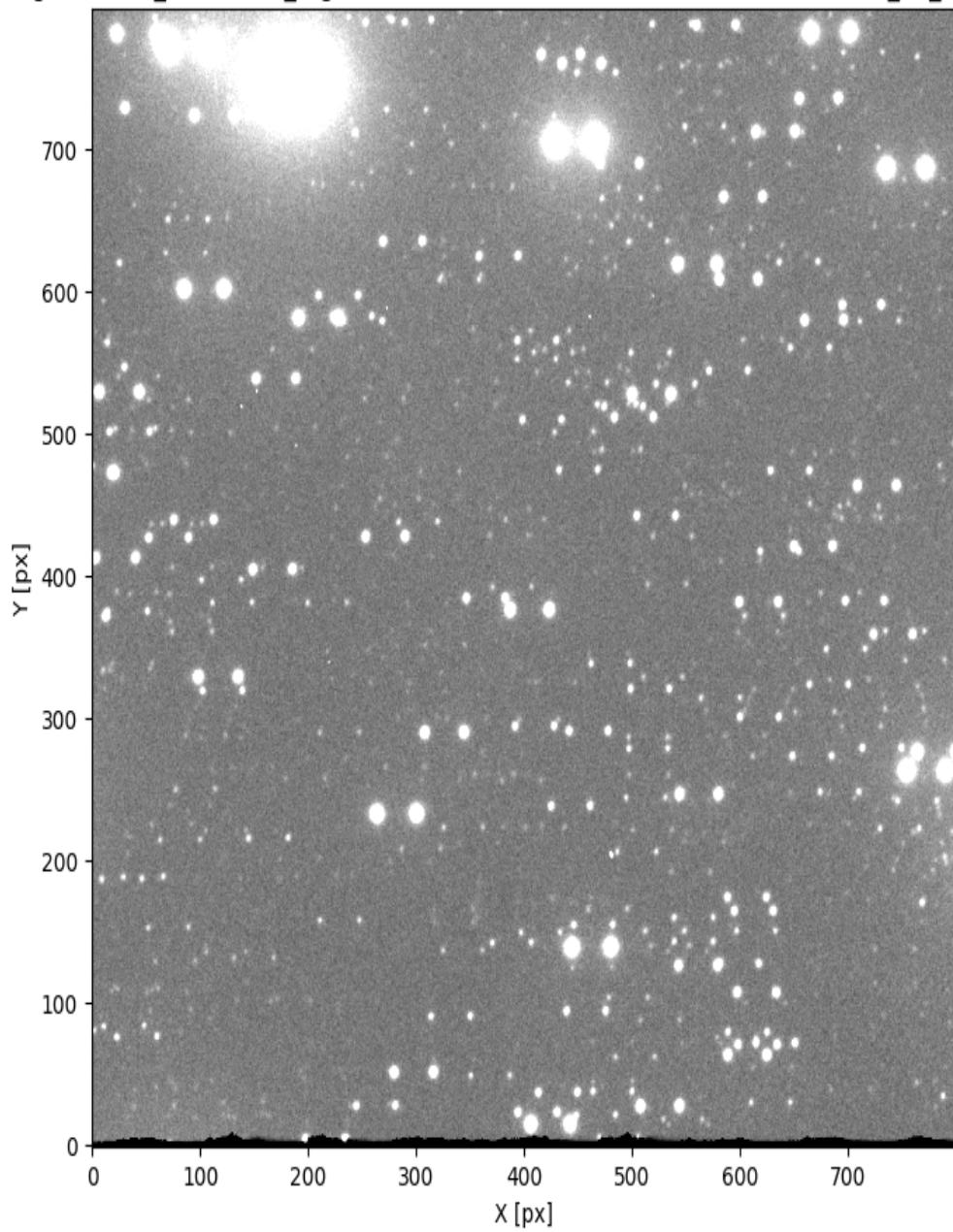
Reference Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_37_55-sci-blap_b_f.fits



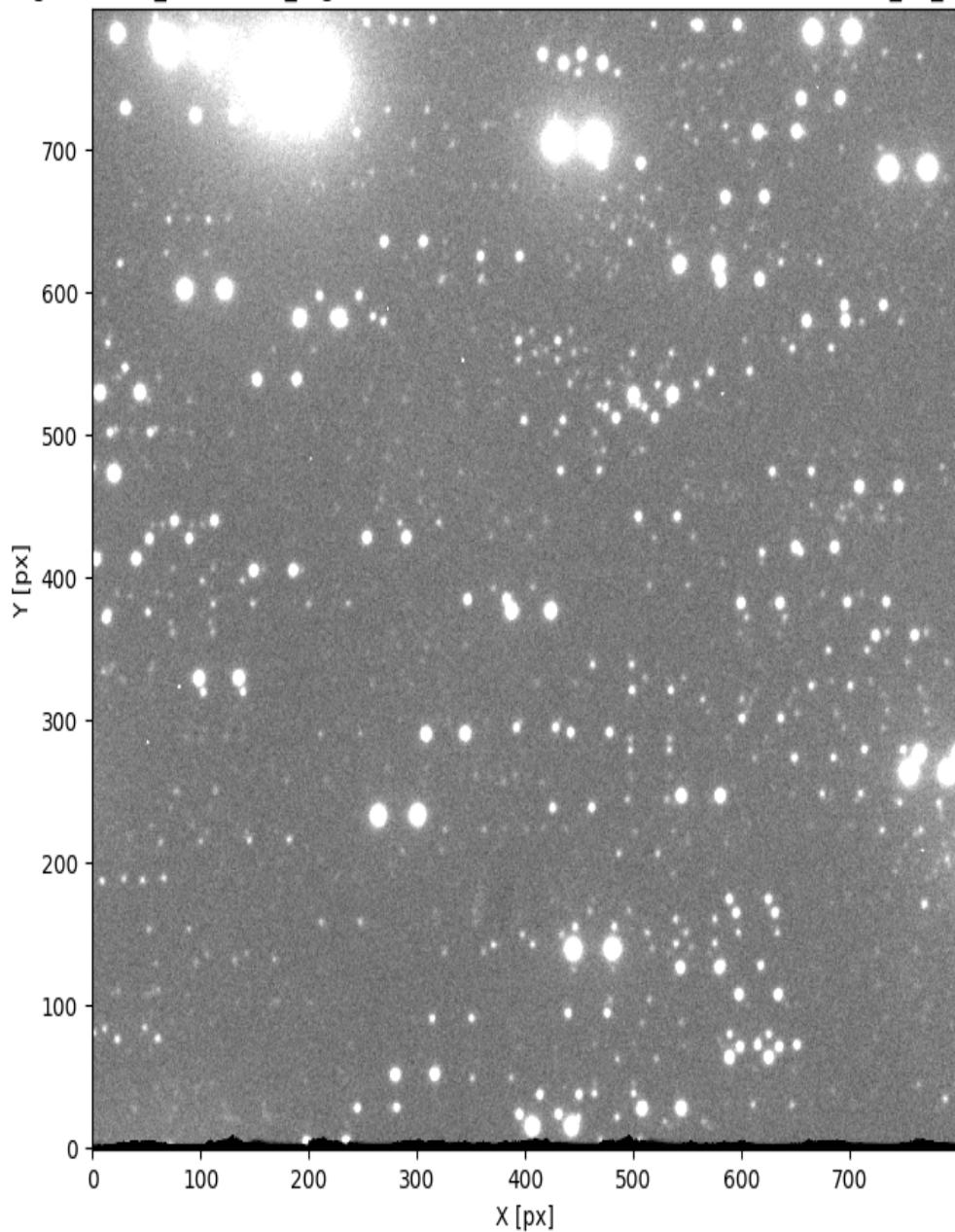
Original Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_39_28-sci-blap_b_f.fits



Original Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_41_02-sci-blap_b_f.fits

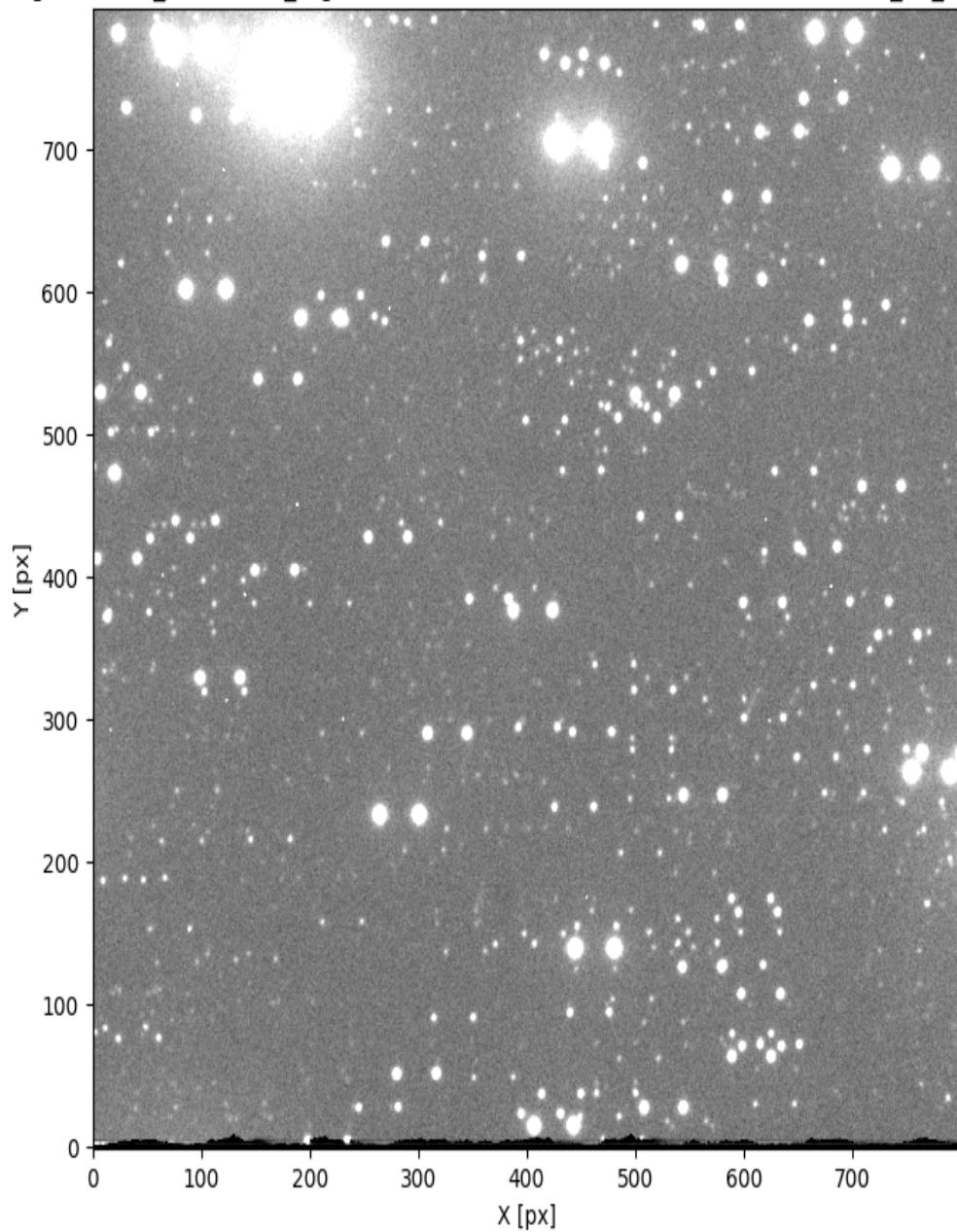


Original Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_42_35-sci-blap_b_f.fits

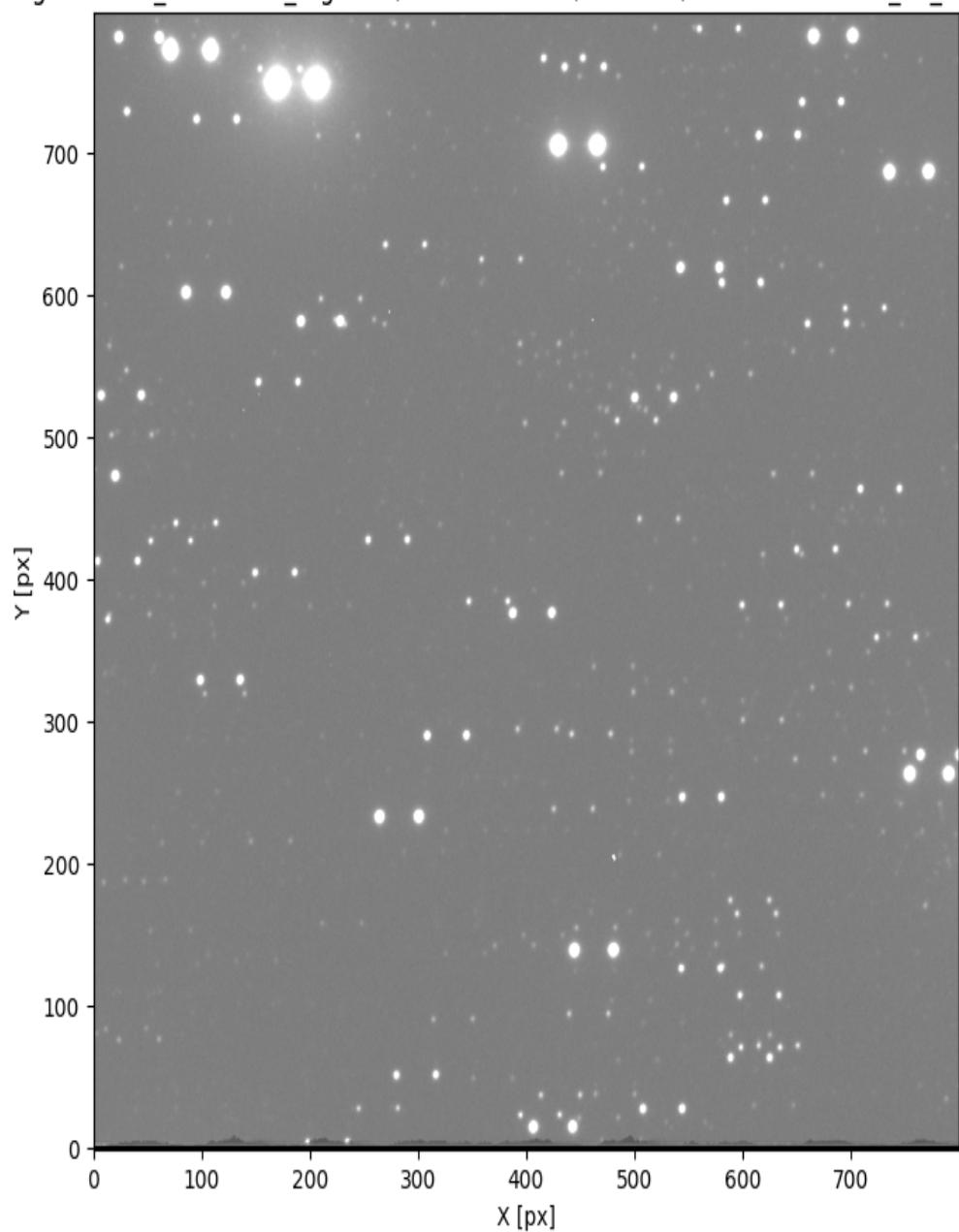


2. Imágenes alineadas

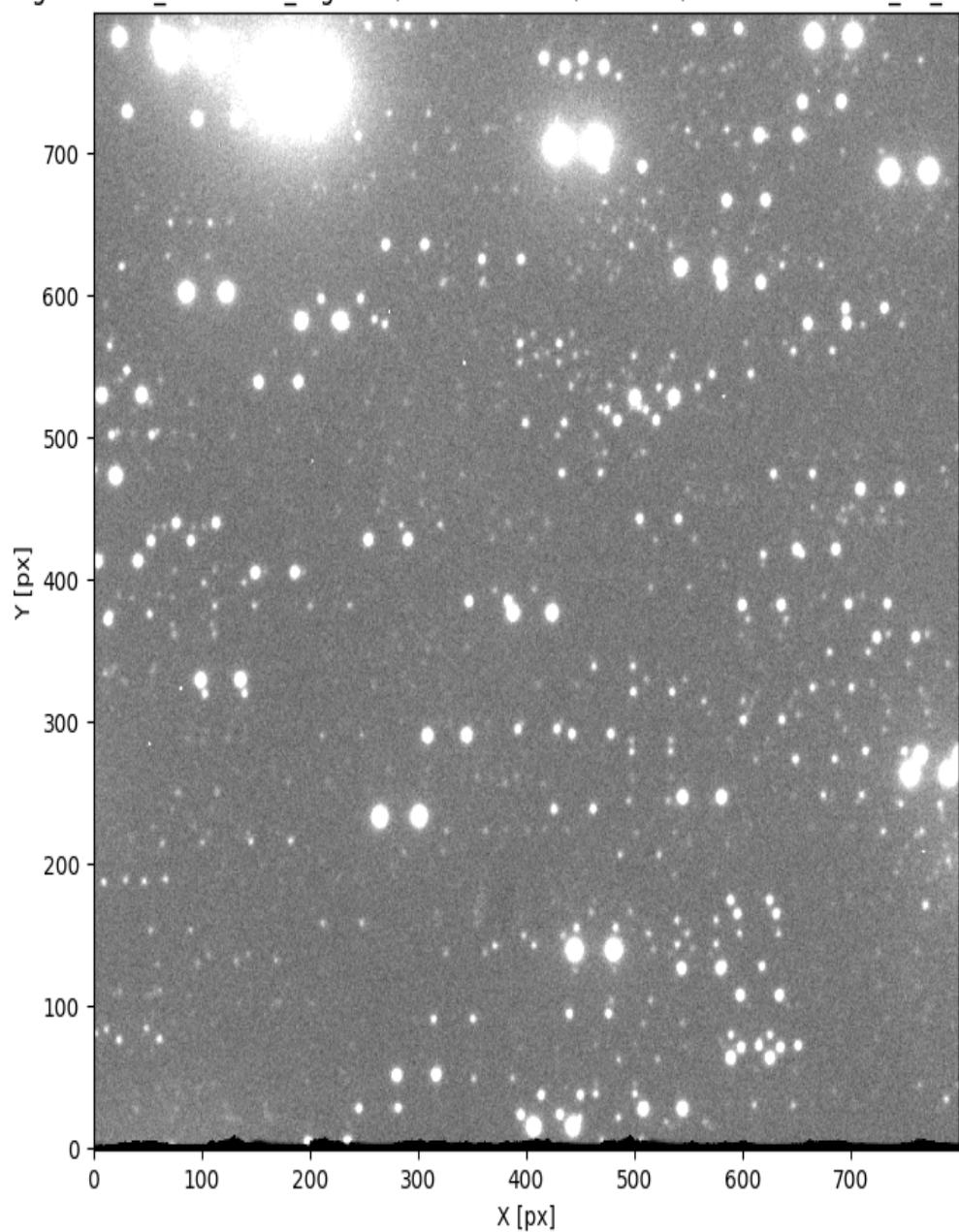
Aligned Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_39_28-sci-blap_b_f.fits



Aligned Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_41_02-sci-blap_b_f.fits

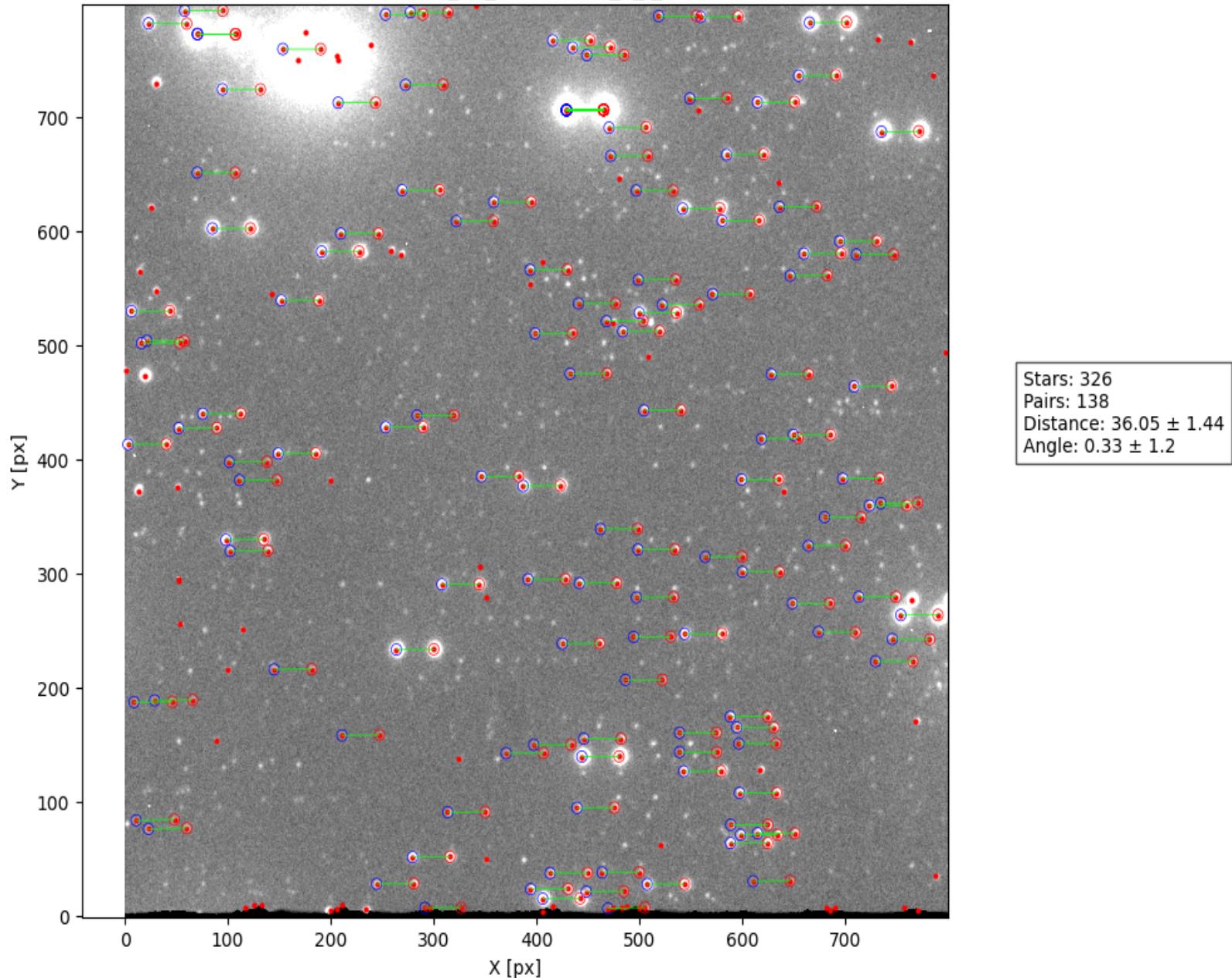


Aligned Image noche1_20230720_organize/EXO2030+375/BesselR/caf-20230721-03_42_35-sci-blap_b_f.fits

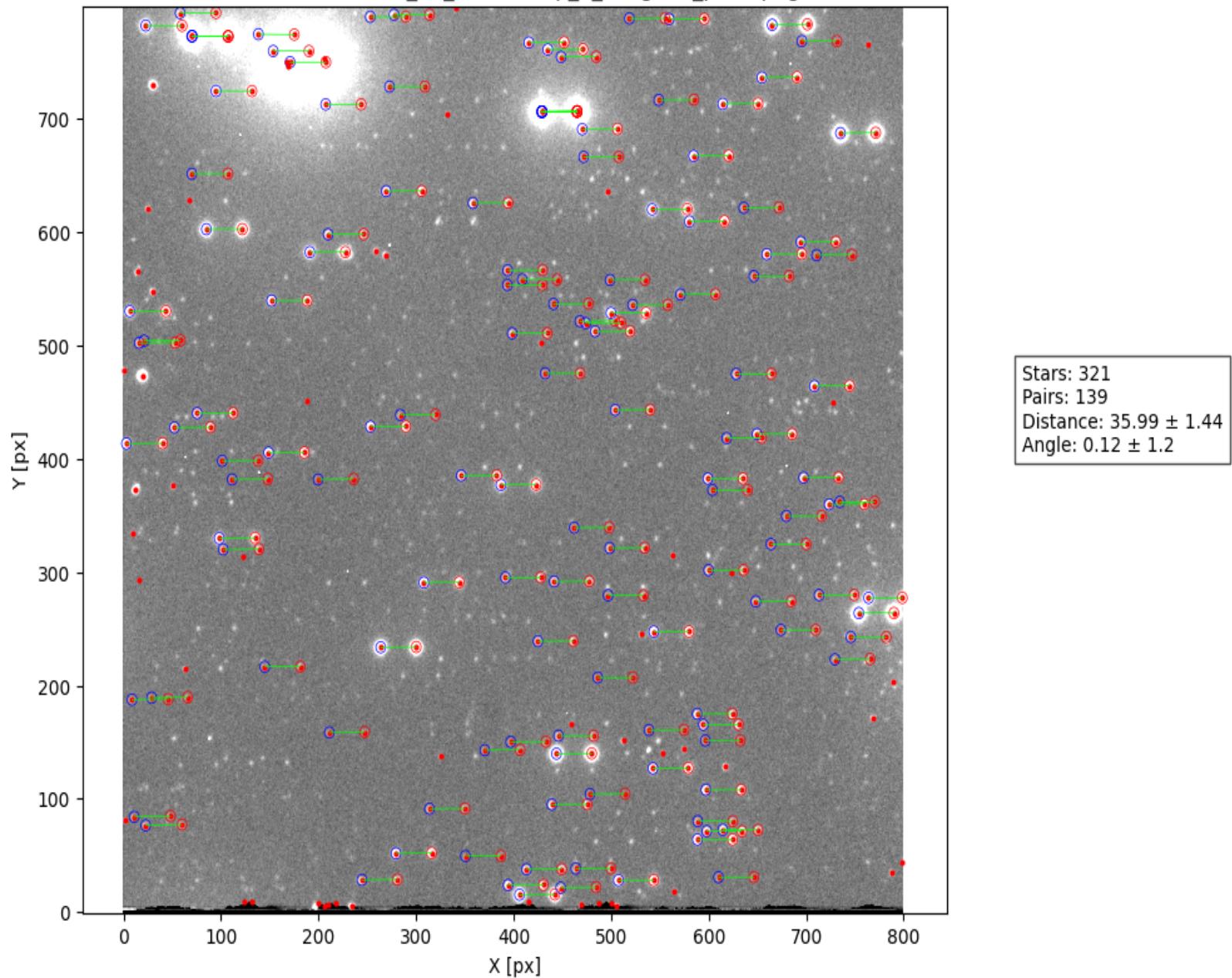


3. Imágenes con pares identificados

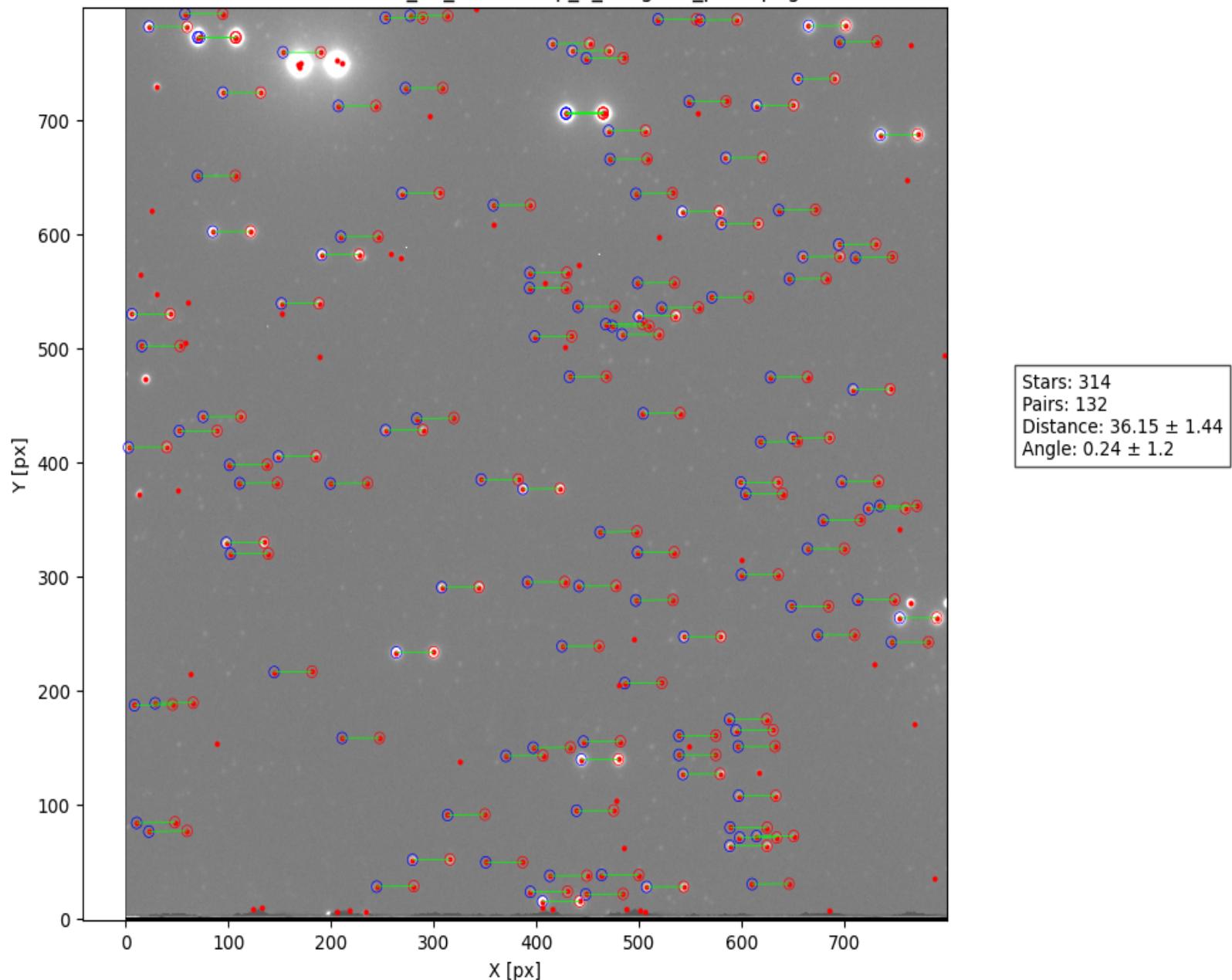
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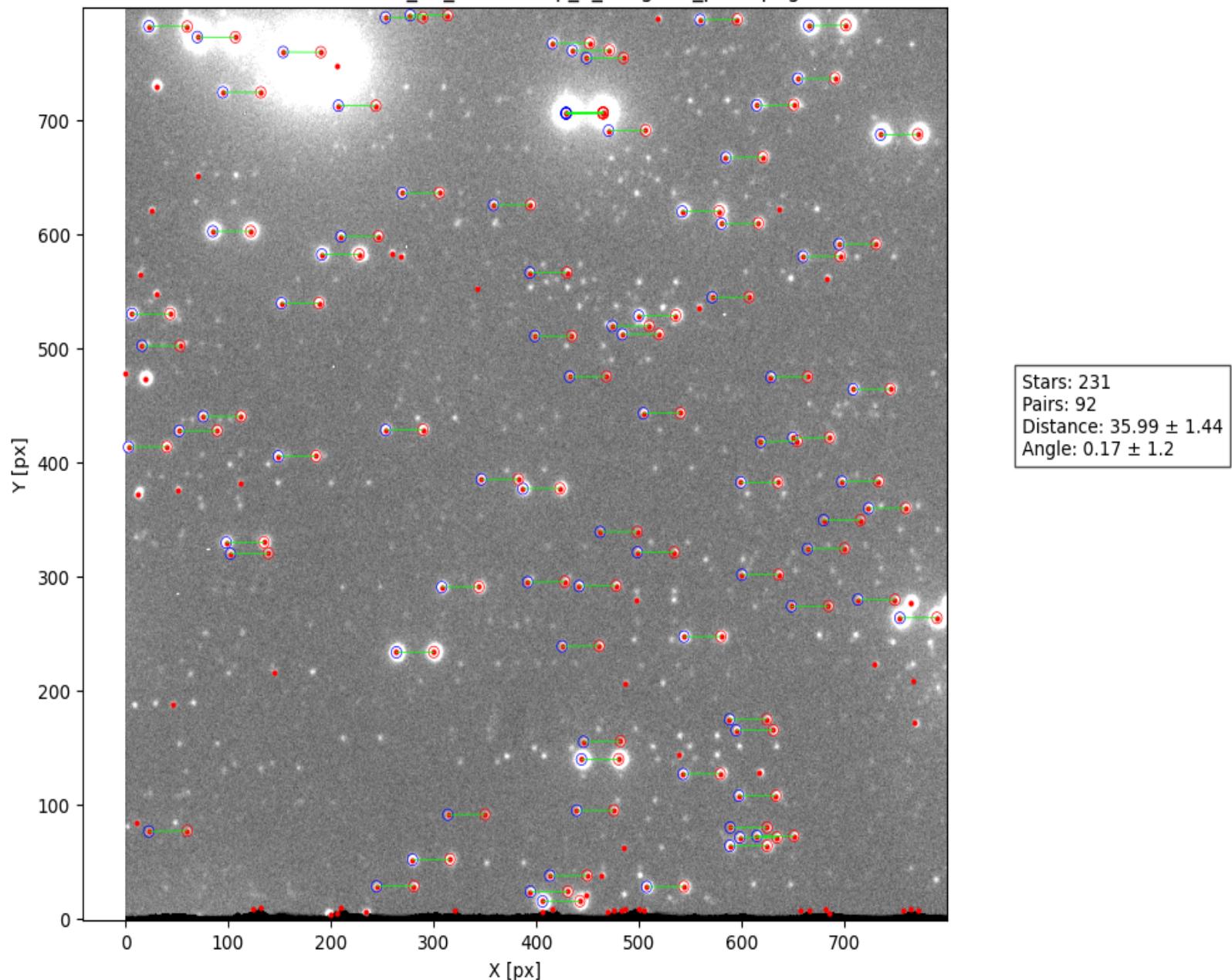
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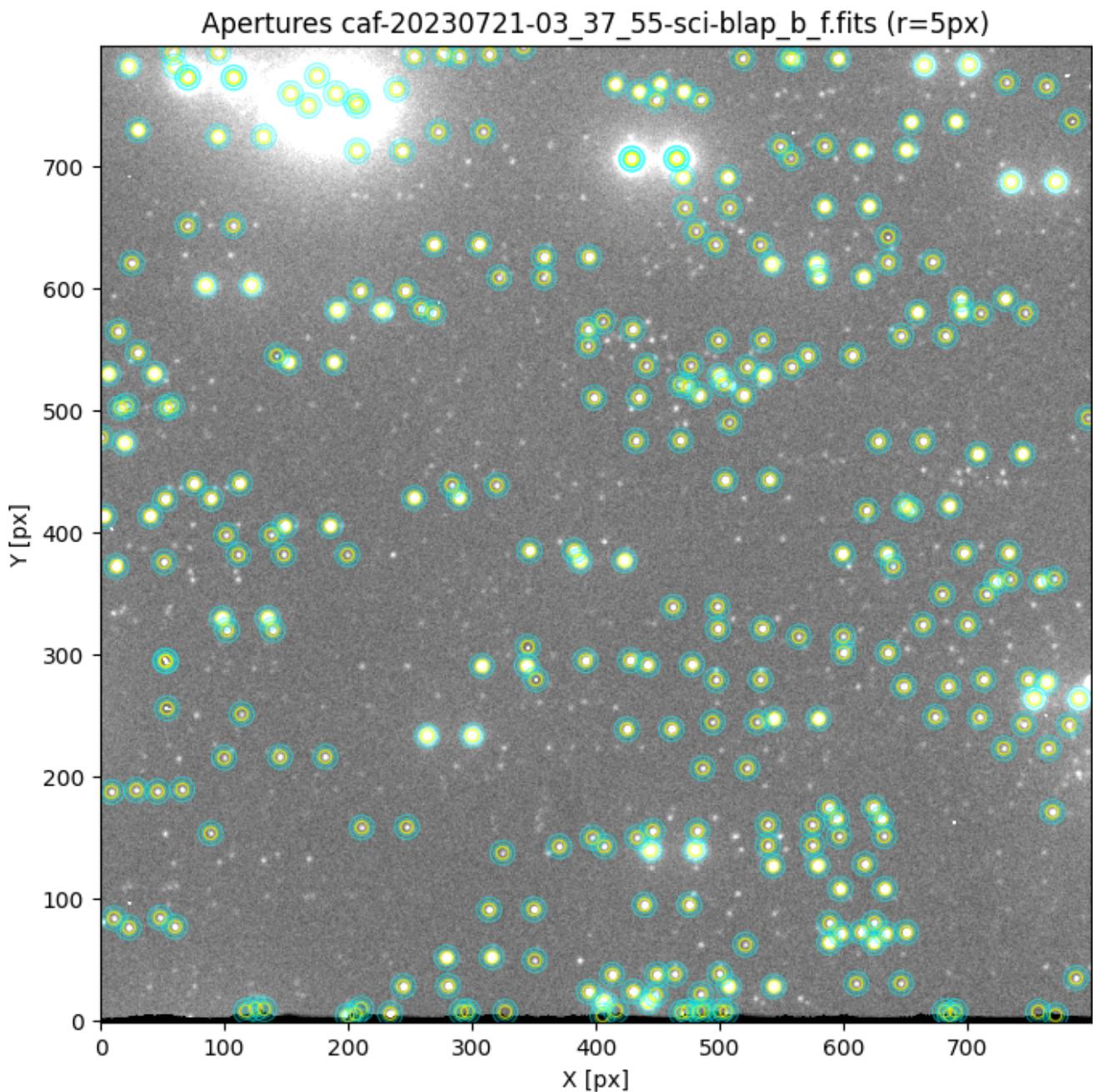
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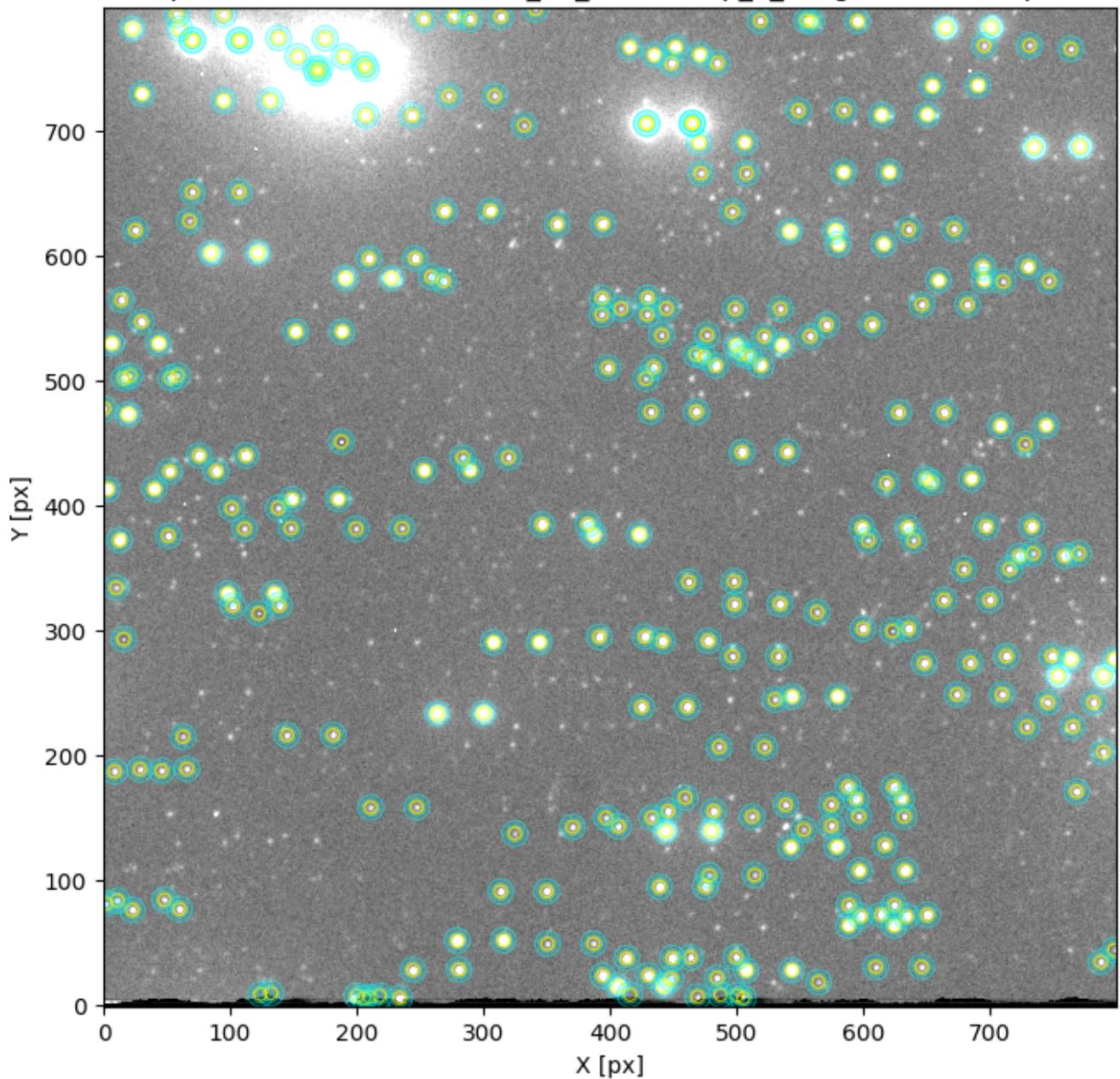
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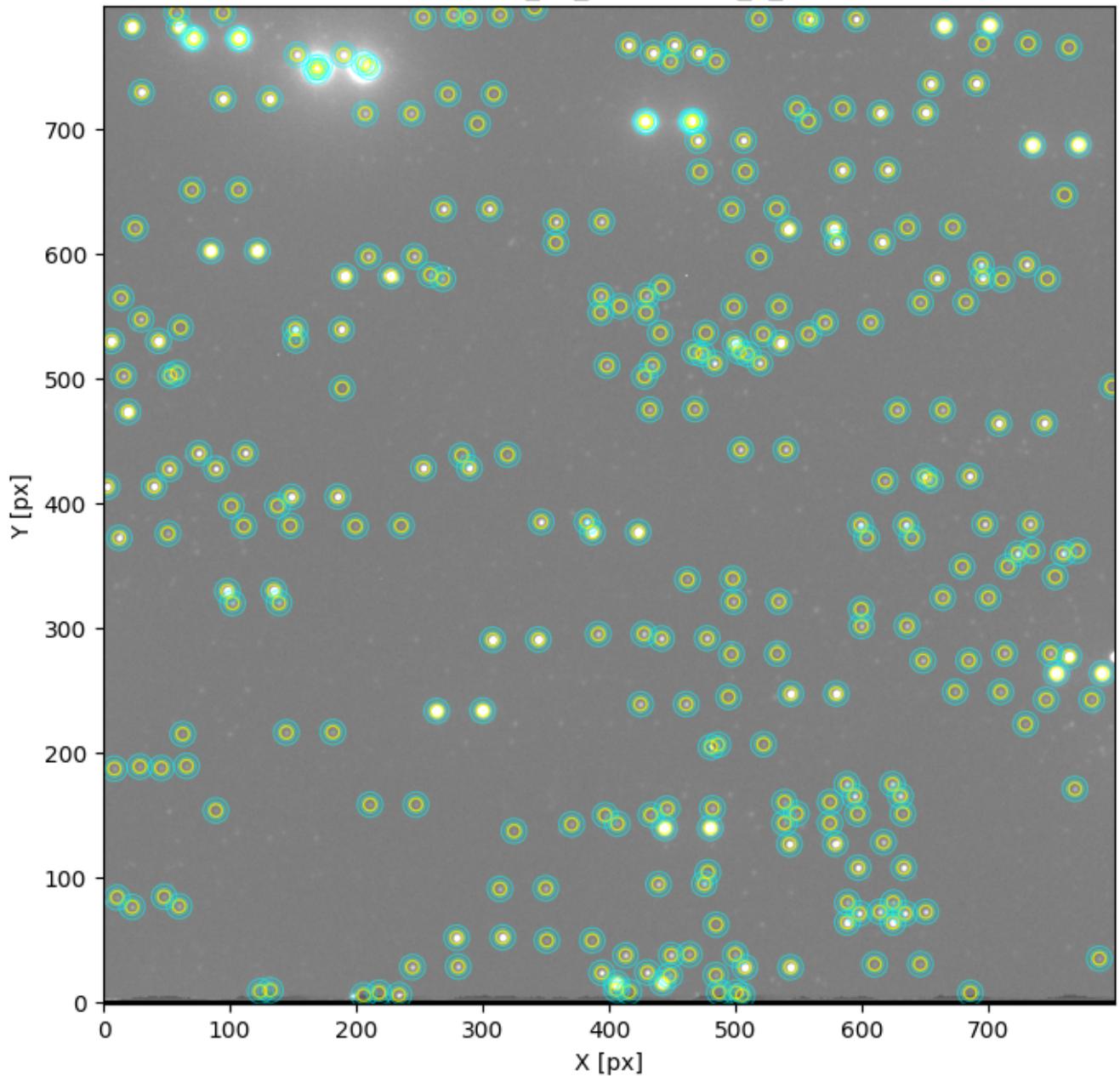
4. Fotometría — Aperturas



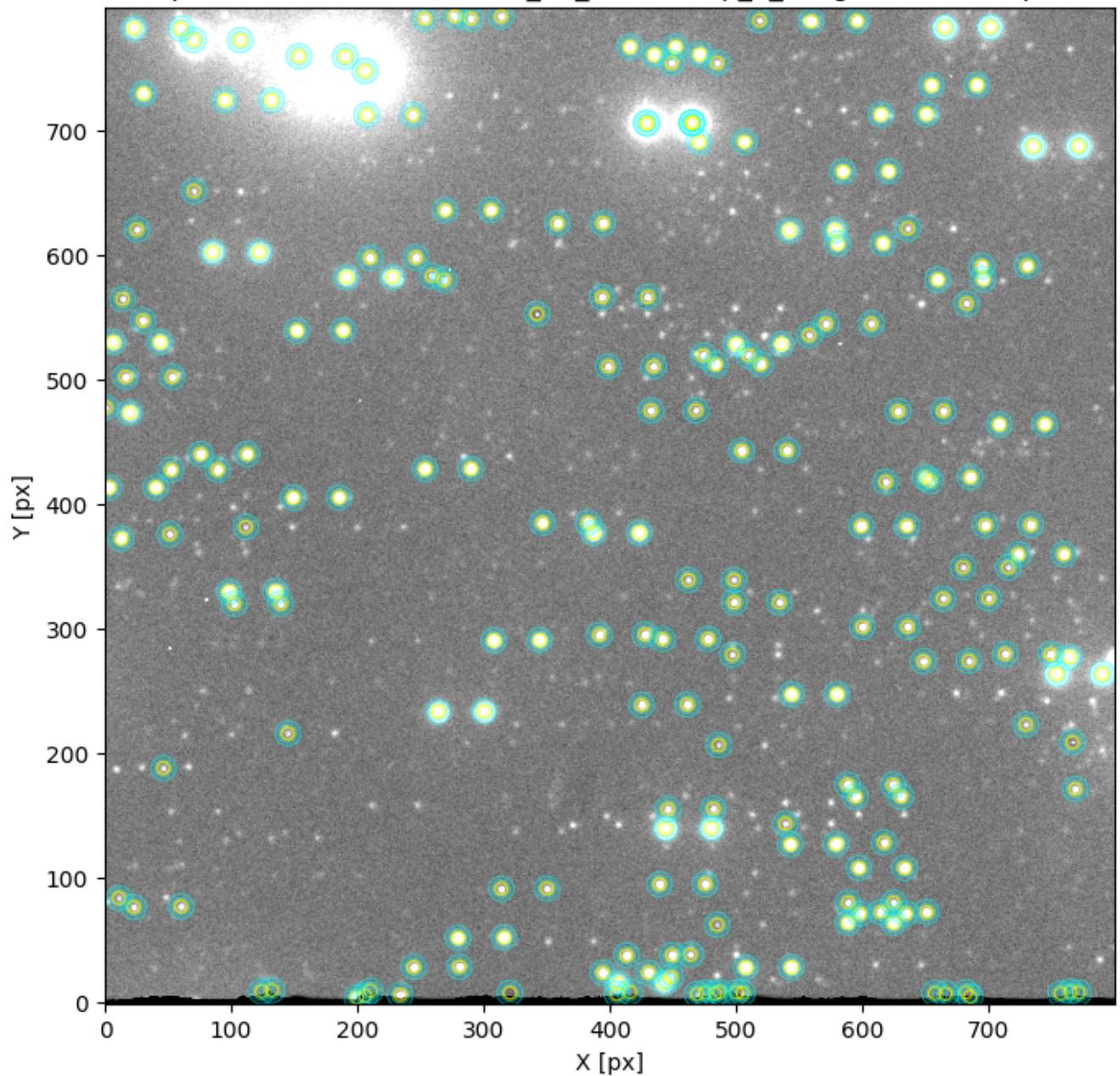
Apertures caf-20230721-03_39_28-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230721-03_41_02-sci-blap_b_f-aligned.fits (r=5px)

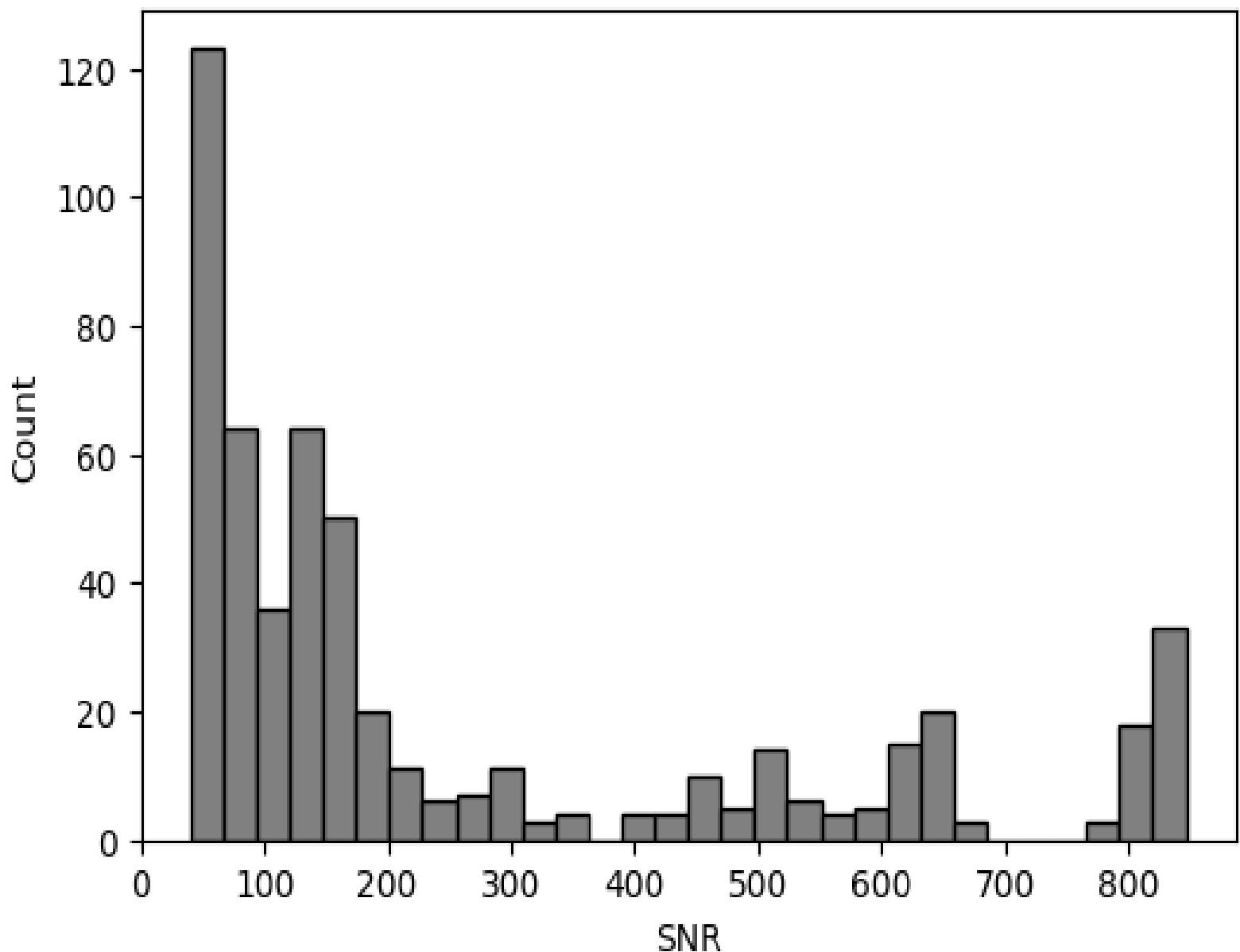


Apertures caf-20230721-03_42_35-sci-blap_b_f-aligned.fits ($r=5\text{px}$)

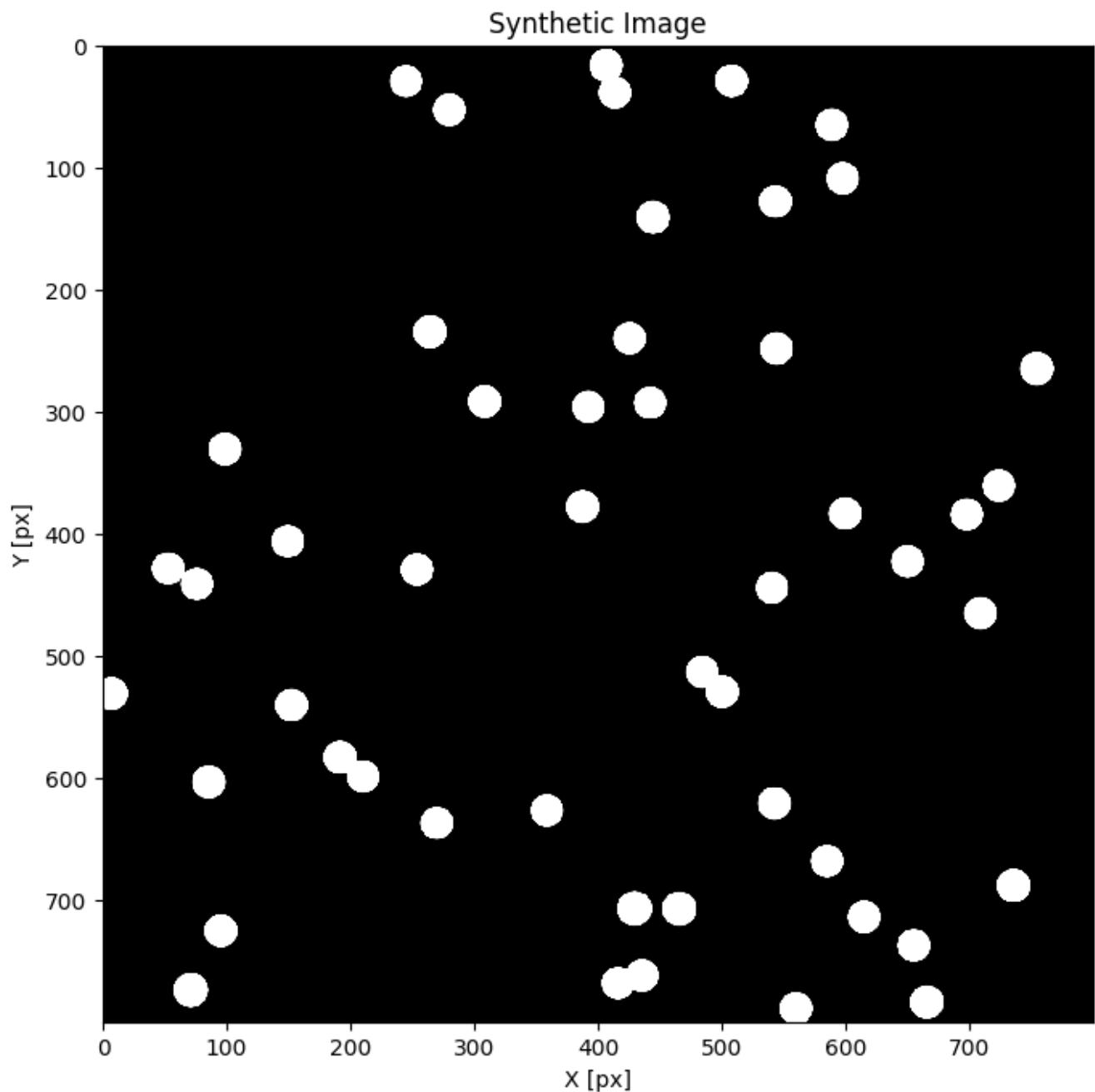


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



5. Astrometría — Imagen sintética



5. Astrometría — Resultados SIMBAD

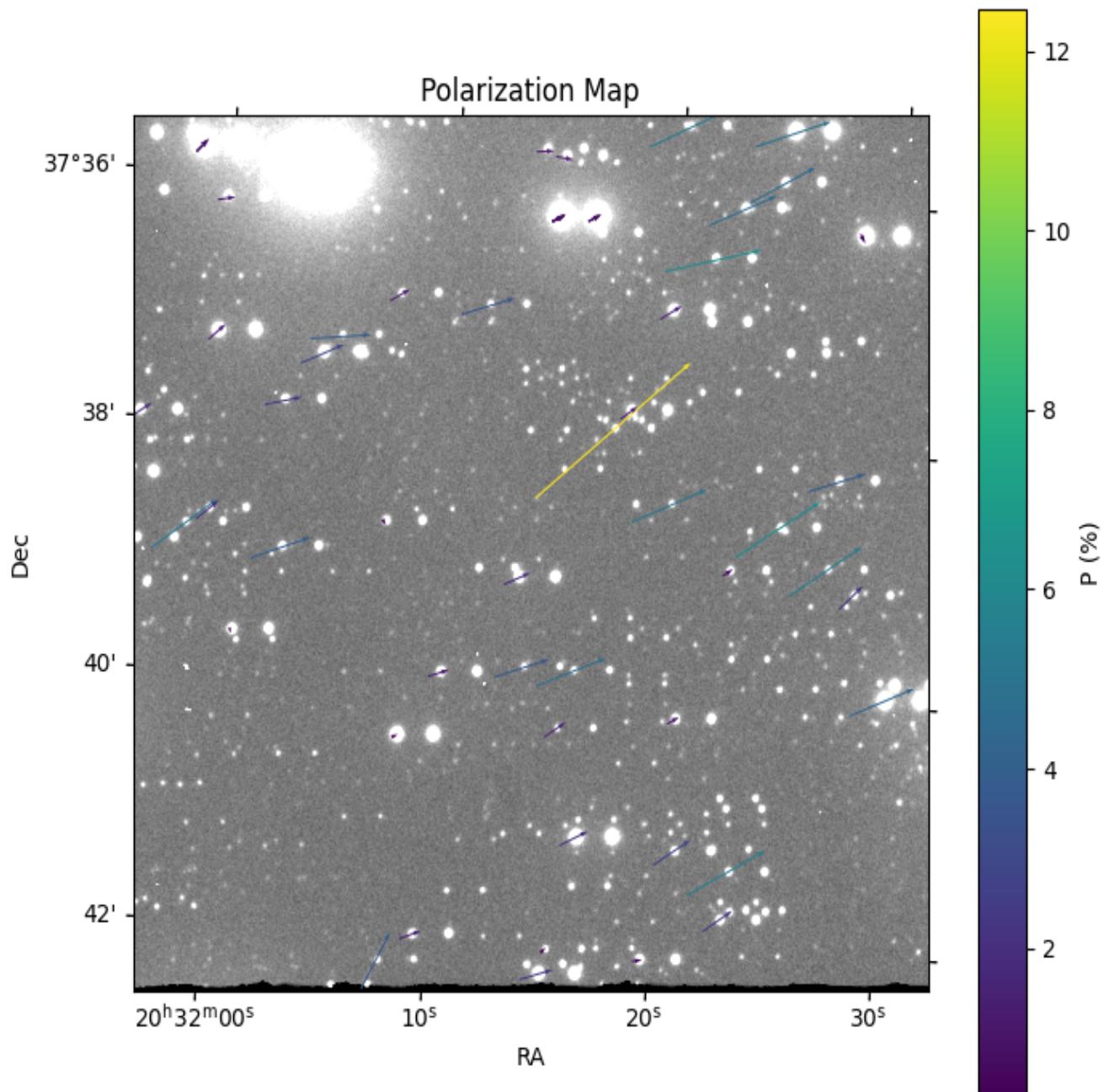
| Par | RA (°) | DEC (°) | Simbad ID | Object Type |
|-----|------------|-----------|------------------------------|------------------------|
| 2 | 308.063081 | 37.704861 | No_ID | |
| 5 | 308.081655 | 37.702232 | ZTF J203219.63+374207.5 | BYDraV* |
| 6 | 308.033175 | 37.704198 | No_ID | |
| 8 | 308.064172 | 37.701539 | No_ID | |
| 10 | 308.039383 | 37.700507 | No_ID | |
| 11 | 308.096240 | 37.696379 | Gaia DR3 2063803666303405696 | EclBin |
| 19 | 308.097416 | 37.689911 | Gaia DR3 2063803666303405696 | EclBin |
| 20 | 308.087217 | 37.687559 | 2MASS J20322097+3741148 | LongPeriodV*_Candidate |
| 21 | 308.068850 | 37.686435 | No_ID | |
| 36 | 308.034726 | 37.674128 | USNO-B1.0 1276-00508569 | Star |
| 37 | 308.064383 | 37.672119 | No_ID | |
| 40 | 308.086194 | 37.669990 | No_ID | |
| 42 | 308.124819 | 37.665990 | No_ID | |
| 46 | 308.042308 | 37.665464 | ZTF J203207.92+373938.6 | EclBin |
| 47 | 308.066921 | 37.664295 | No_ID | |
| 48 | 308.057686 | 37.664180 | No_ID | |
| 54 | 308.003304 | 37.661378 | No_ID | |
| 57 | 308.118224 | 37.652230 | No_ID | |
| 59 | 308.056029 | 37.652280 | UCAC2 45062110 | Star |
| 61 | 308.095084 | 37.649855 | No_ID | |
| 62 | 308.113200 | 37.648982 | No_ID | |
| 65 | 308.011912 | 37.649971 | No_ID | |
| 68 | 308.103990 | 37.643755 | No_ID | |
| 69 | 307.993927 | 37.647470 | No_ID | |
| 70 | 308.030900 | 37.645800 | No_ID | |
| 72 | 307.998086 | 37.645442 | No_ID | |
| 73 | 308.083601 | 37.641426 | USNO-A2.0 1275-13985130 | Star |
| 74 | 308.114439 | 37.637102 | No_ID | |
| 80 | 308.072516 | 37.631789 | V* V2246 Cyg | HighMassXBin |
| 82 | 308.075354 | 37.629306 | No_ID | |
| 83 | 307.984527 | 37.632876 | No_ID | |
| 86 | 308.011189 | 37.630383 | No_ID | |

| | | | | |
|-----|------------|-----------|------------------------------|--------------------|
| 93 | 308.017993 | 37.623831 | Gaia DR3 2063801505937478656 | EclBin |
| 95 | 308.021258 | 37.621393 | Gaia DR3 2063801505937478656 | EclBin |
| 96 | 307.998290 | 37.621702 | 2MASS J20315963+3737177 | EmLine* |
| 99 | 308.082238 | 37.615640 | UCAC2 45062139 | Star |
| 101 | 308.048333 | 37.616197 | No_ID | |
| 102 | 308.031872 | 37.615385 | [SUH2012] G077.127-01.228 | Cluster*_Candidate |
| 106 | 308.089625 | 37.608415 | IRAS 20304+3725 | Infrared |
| 107 | 308.117190 | 37.604325 | No_ID | |
| 109 | 308.060606 | 37.603933 | TYC 3153-950-1 | Star |
| 110 | 308.060606 | 37.603933 | TYC 3153-950-1 | Star |
| 111 | 308.060606 | 37.603933 | TYC 3153-950-1 | Star |
| 112 | 308.067253 | 37.603625 | TYC 3153-950-1 | Star |
| 113 | 308.067253 | 37.603625 | TYC 3153-950-1 | Star |
| 114 | 308.060564 | 37.603902 | TYC 3153-950-1 | Star |
| 115 | 308.060564 | 37.603902 | TYC 3153-950-1 | Star |
| 116 | 308.067250 | 37.603605 | TYC 3153-950-1 | Star |
| 117 | 308.060639 | 37.603923 | TYC 3153-950-1 | Star |
| 119 | 308.094702 | 37.601486 | IRAS 20304+3725 | Infrared |
| 121 | 307.998947 | 37.603834 | TYC 3153-6-1 | Star |
| 123 | 308.101874 | 37.597779 | No_ID | |
| 126 | 308.061192 | 37.595864 | TYC 3153-950-1 | Star |
| 127 | 308.057557 | 37.595104 | TYC 3153-950-1 | Star |
| 128 | 307.994044 | 37.596959 | TYC 3153-6-1 | Star |
| 129 | 307.994044 | 37.596959 | TYC 3153-6-1 | Star |
| 130 | 307.993968 | 37.596952 | TYC 3153-6-1 | Star |
| 132 | 308.103358 | 37.590905 | No_ID | |
| 133 | 308.083847 | 37.590982 | IRAS 20304+3725 | Infrared |

6. Polarimetría — Estimación Interestelar (ISM)

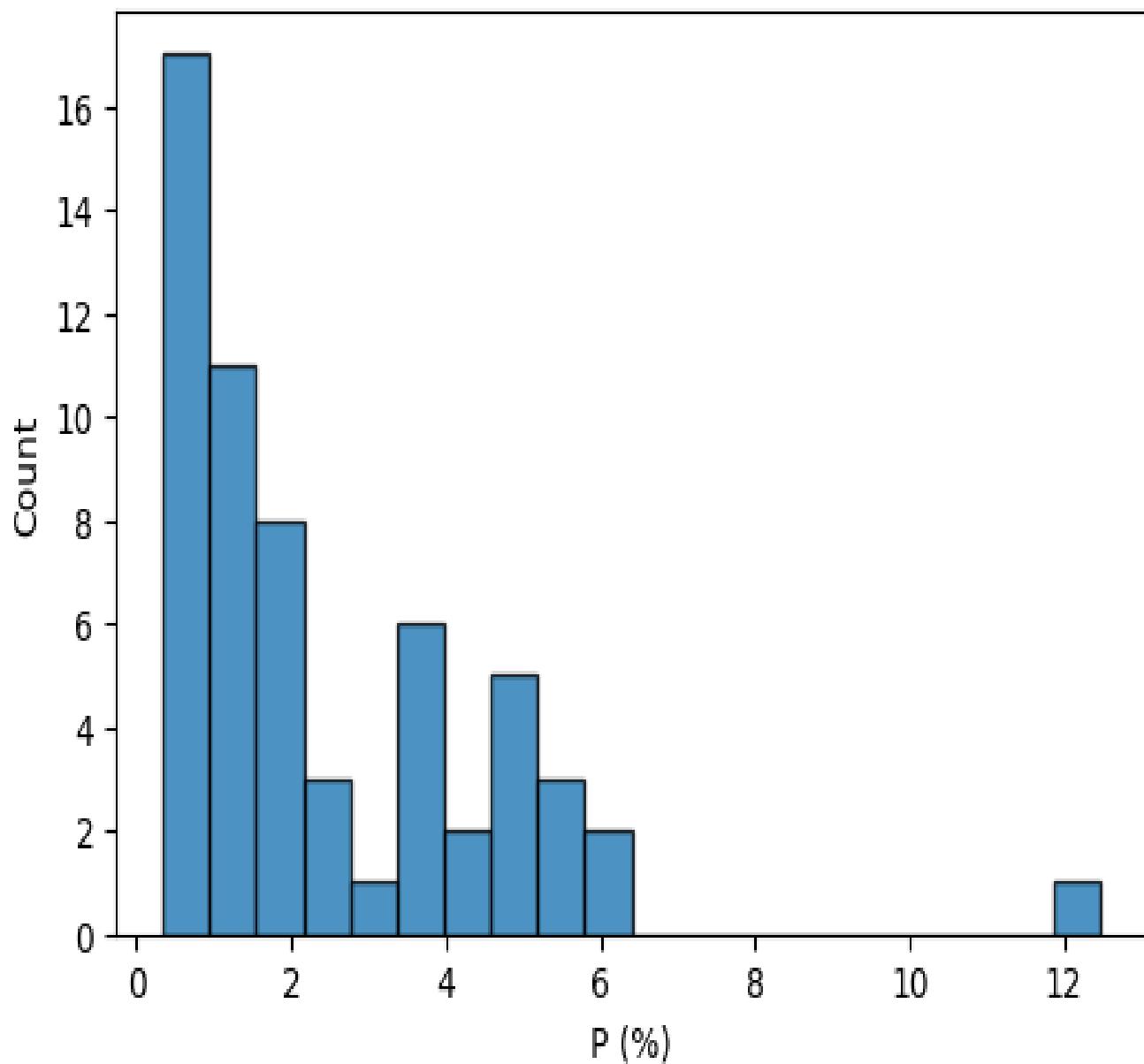
| Comp. | Q mean | Q σ | Q weight | U mean | U σ | U weight | Dominante Q | Dominante U |
|-------|--------|------------|----------|--------|------------|----------|-------------|-------------|
| 0 | 0.555 | 0.459 | 0.71 | 0.637 | 0.547 | 0.75 | ✓ | ✓ |
| 1 | 2.957 | 1.242 | 0.29 | 2.516 | 0.620 | 0.25 | | |

6. Polarimetría — Mapa de polarización



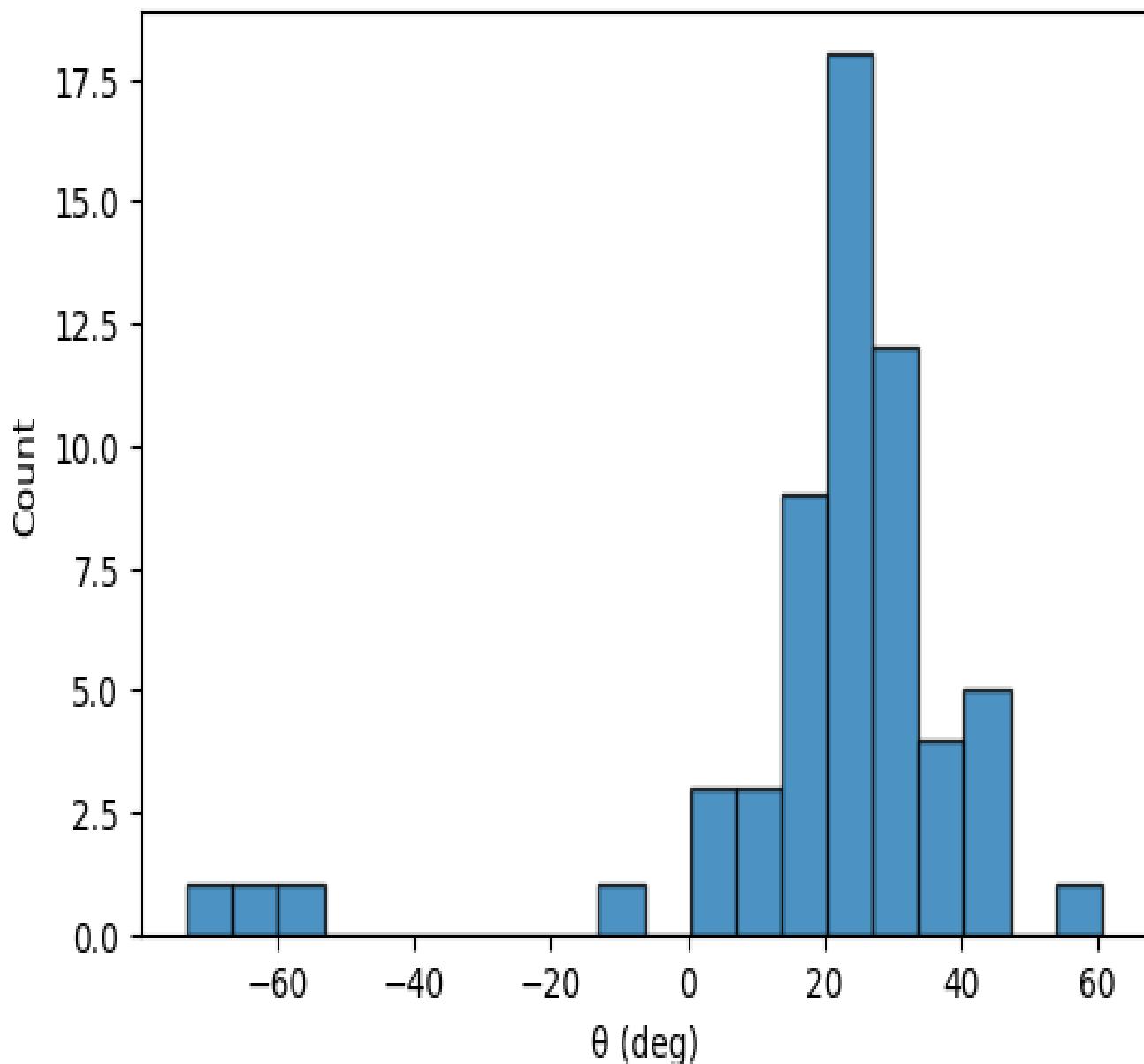
6. Polarimetría — Histograma de P

Histogram of Polarization Degree

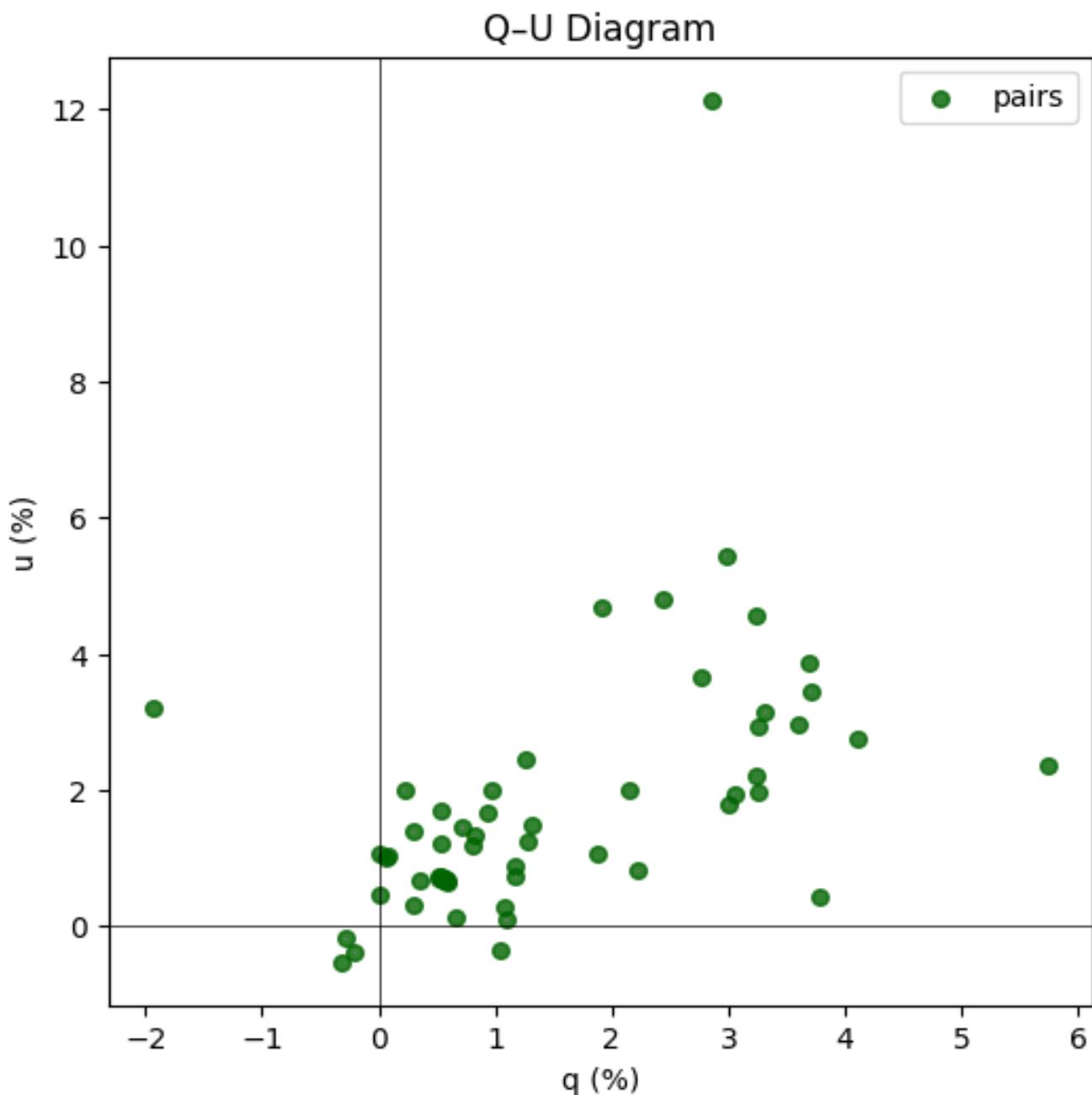


6. Polarimetría — Histograma de θ

Histogram of Polarization Angle



6. Polarimetría — Diagrama Q–U



6. Polarimetría — Estimación Interestelar (ISM)

| Comp. | Q mean | Q σ | Q weight | U mean | U σ | U weight | Dom Q | Dom U |
|-------|--------|-------|----------|--------|-------|----------|-------|-------|
| 0 | 0.555 | 0.459 | 0.71 | 0.637 | 0.547 | 0.75 | ✓ | ✓ |
| 1 | 2.957 | 1.242 | 0.29 | 2.516 | 0.620 | 0.25 | | |

Explicación de columnas:

Q Means: medias de la componente q estimada para la polarización interestelar.

Q sigmas: desviaciones estándar (σ) de los componentes gaussianos ajustados a q.

Q weights: pesos relativos de cada componente gaussiano en la mezcla de q.

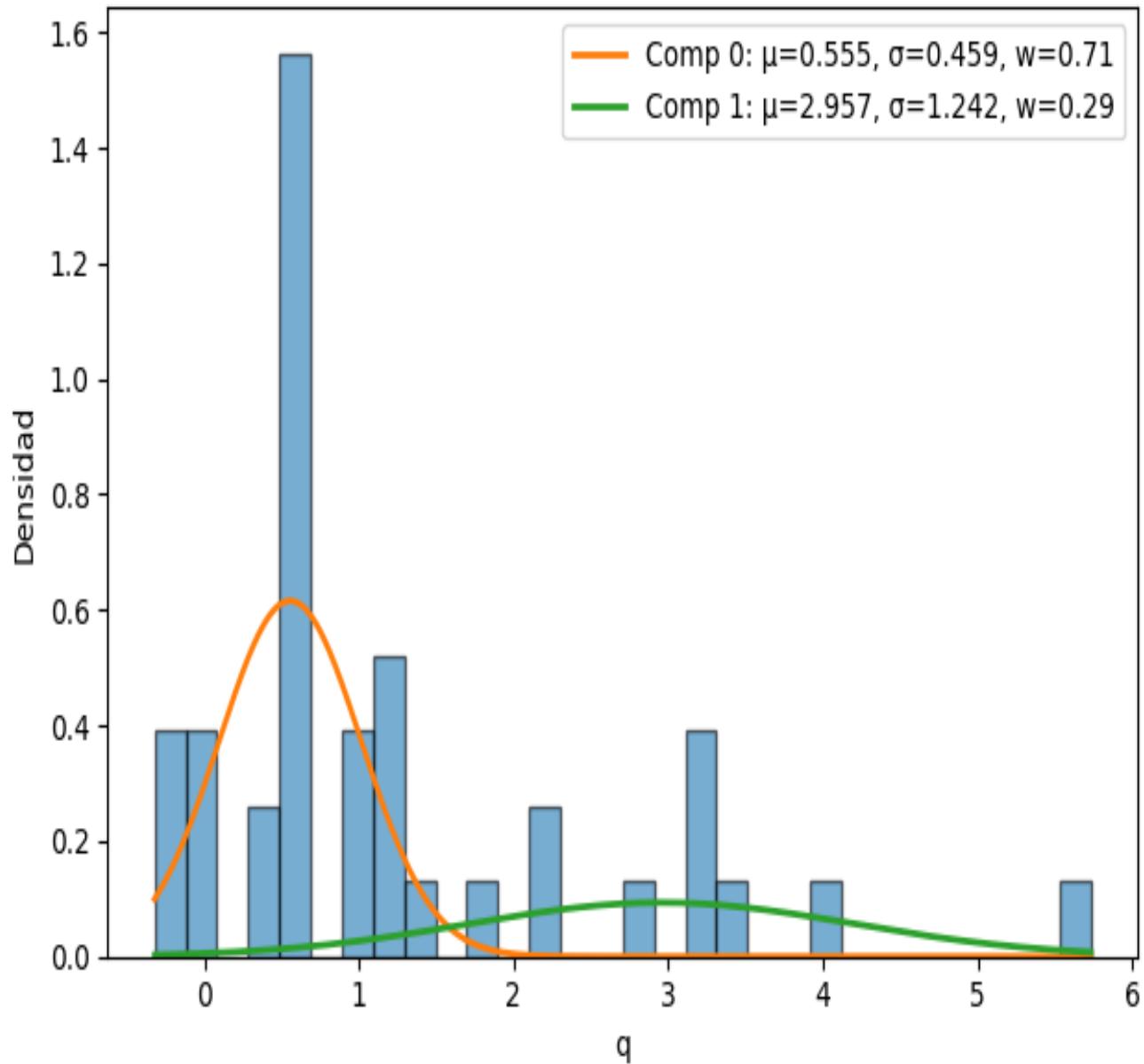
U Means: medias de la componente u estimada para la polarización interestelar.

U sigmas: desviaciones estándar (σ) de los componentes gaussianos ajustados a u.

U weights: pesos relativos de cada componente gaussiano en la mezcla de u.

6. Polarimetría — Estimación ISM Q

Histograma de q con GMM overlay



6. Polarimetría — Estimacion ISM U

