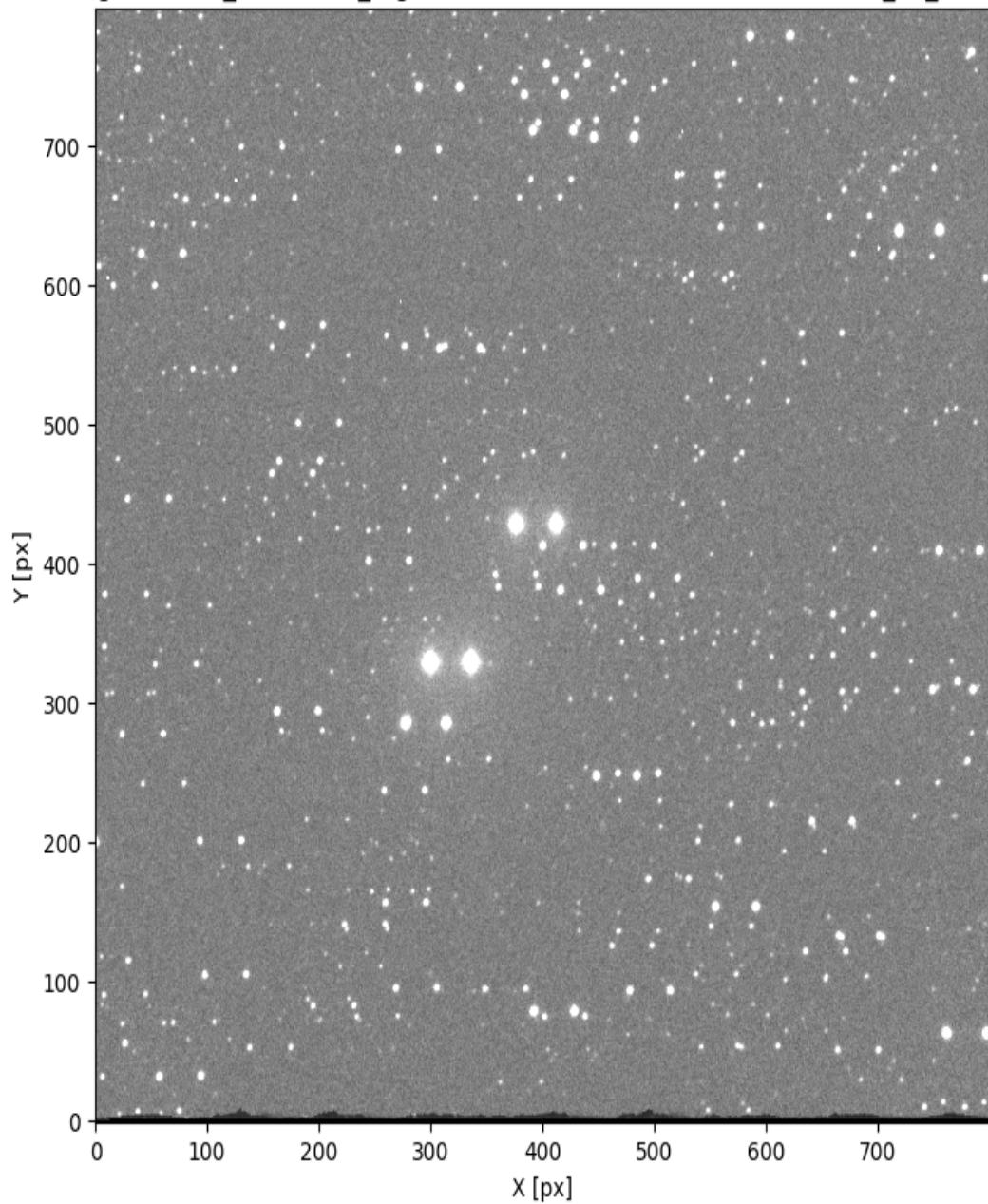
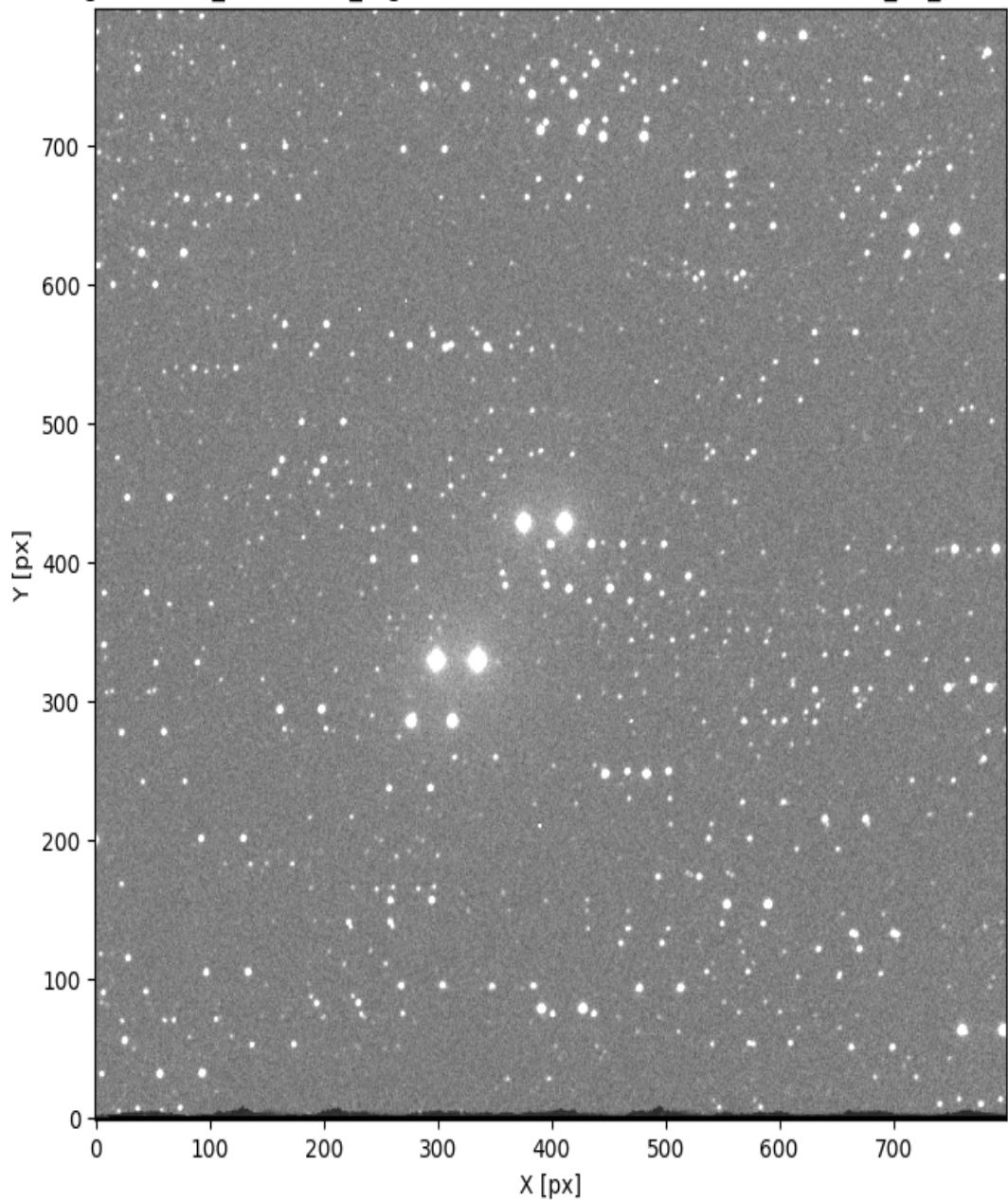


1. Imágenes originales

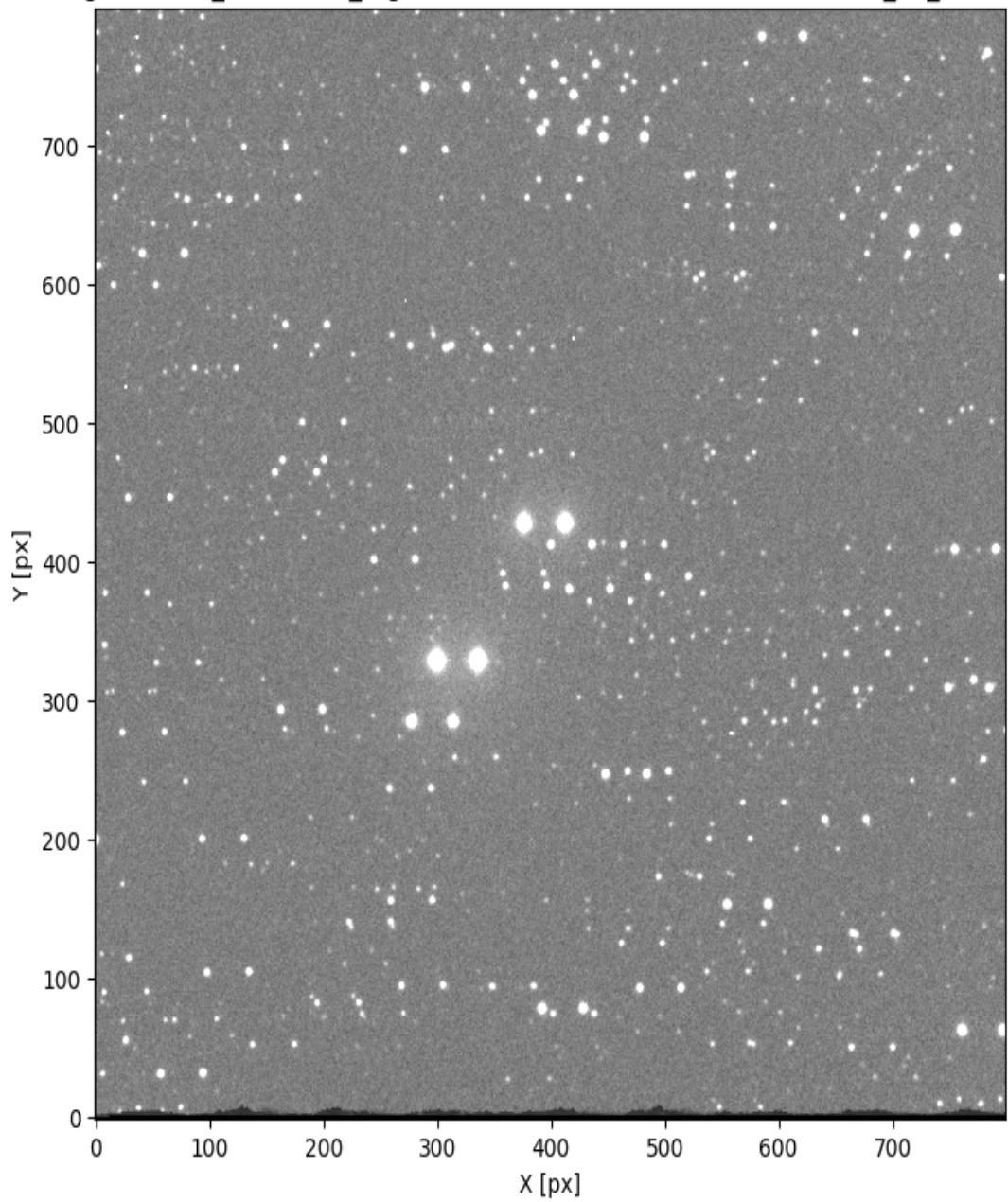
Reference Image noche1_20230720_organize/SS397/BesselIR/caf-20230720-22_54_44-sci-blap_b_f.fits



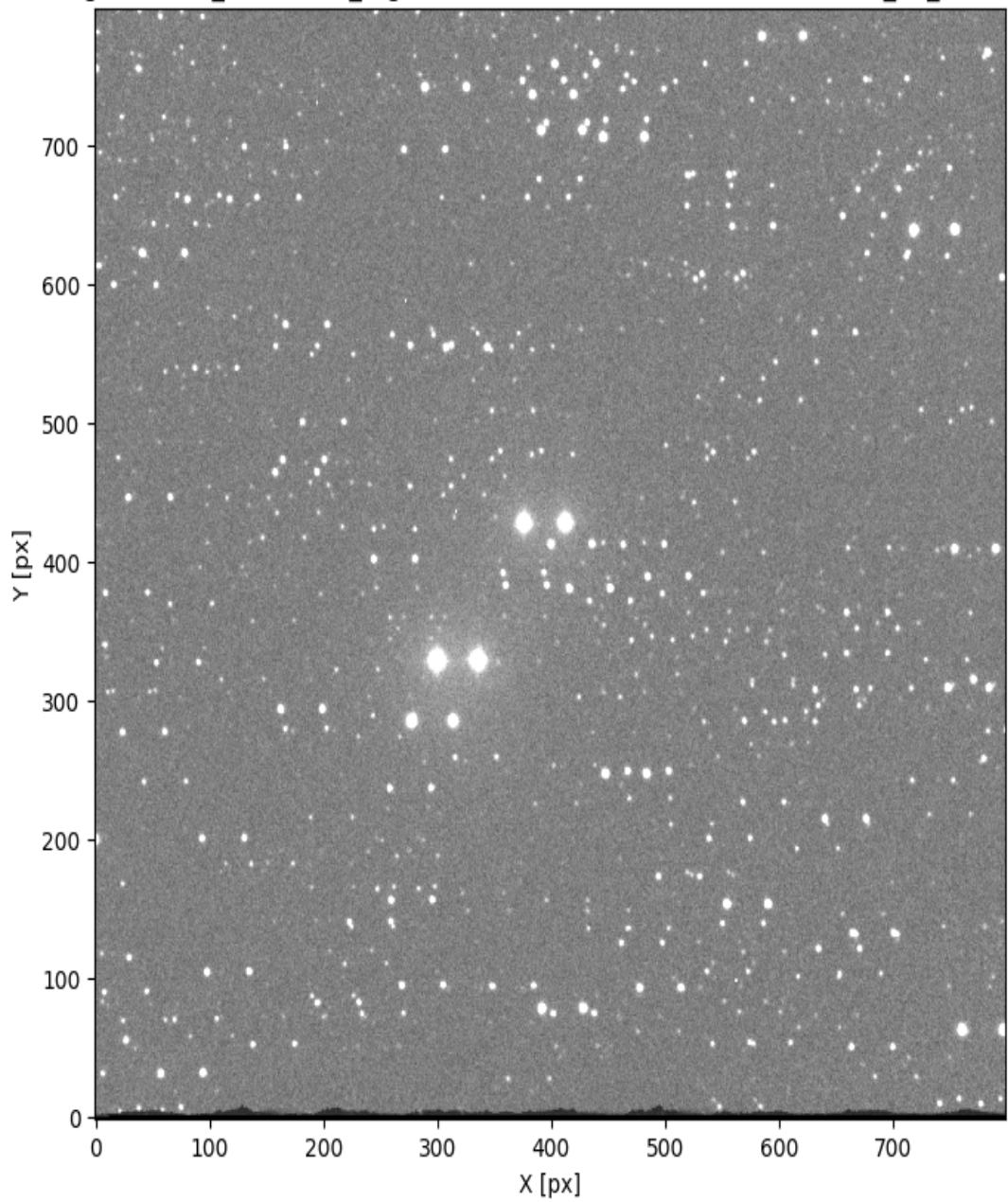
Original Image noche1_20230720_organize/SS397/BesselR/caf-20230720-22_55_36-sci-blap_b_f.fits



Original Image noche1_20230720_organize/SS397/BesselR/caf-20230720-22_56_29-sci-blap_b_f.fits

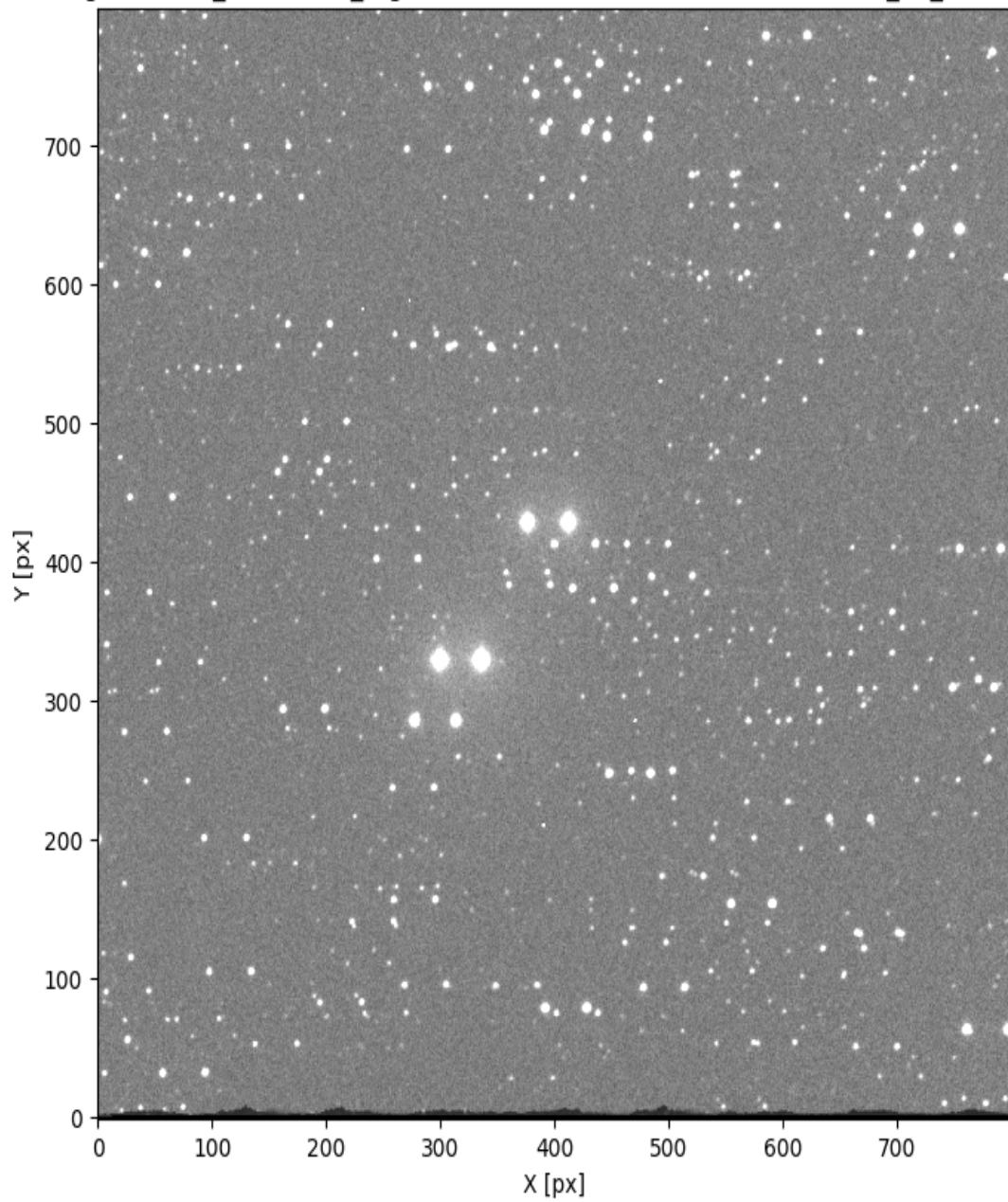


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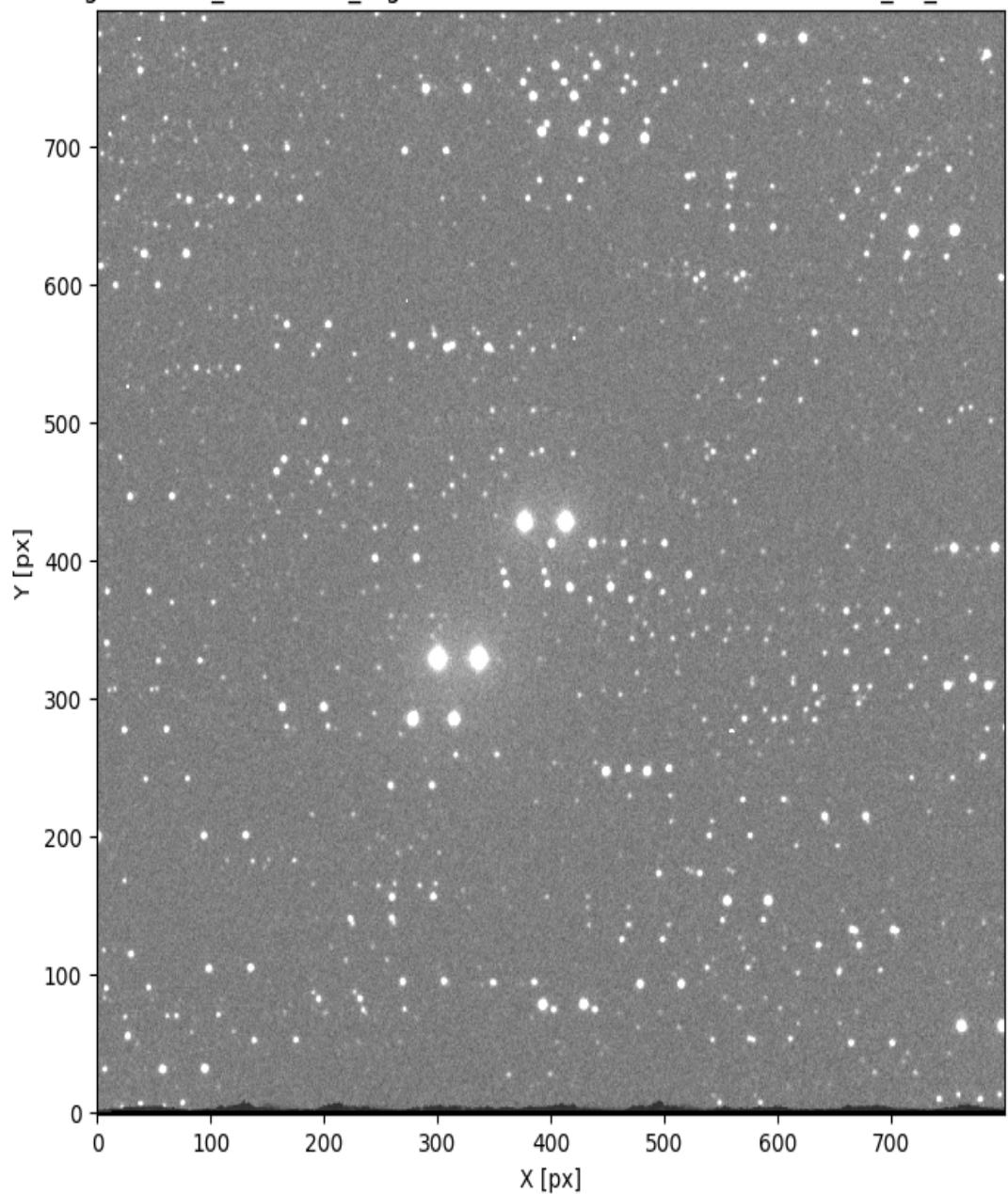


2. Imágenes alineadas

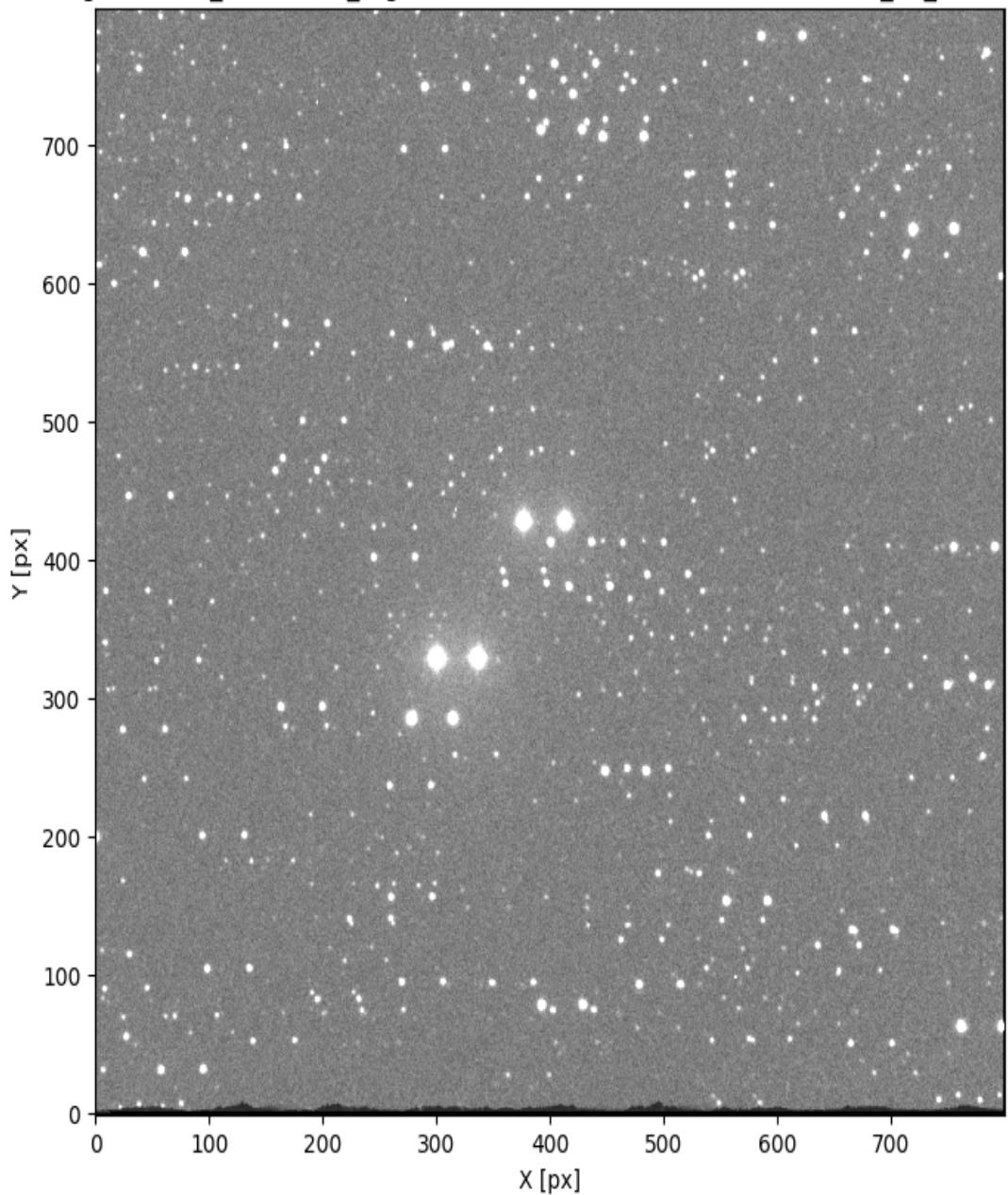
Aligned Image noche1_20230720_organize/SS397/BesselR/caf-20230720-22_55_36-sci-blap_b_f.fits



Aligned Image noche1_20230720_organize/SS397/BesselR/caf-20230720-22_56_29-sci-blap_b_f.fits

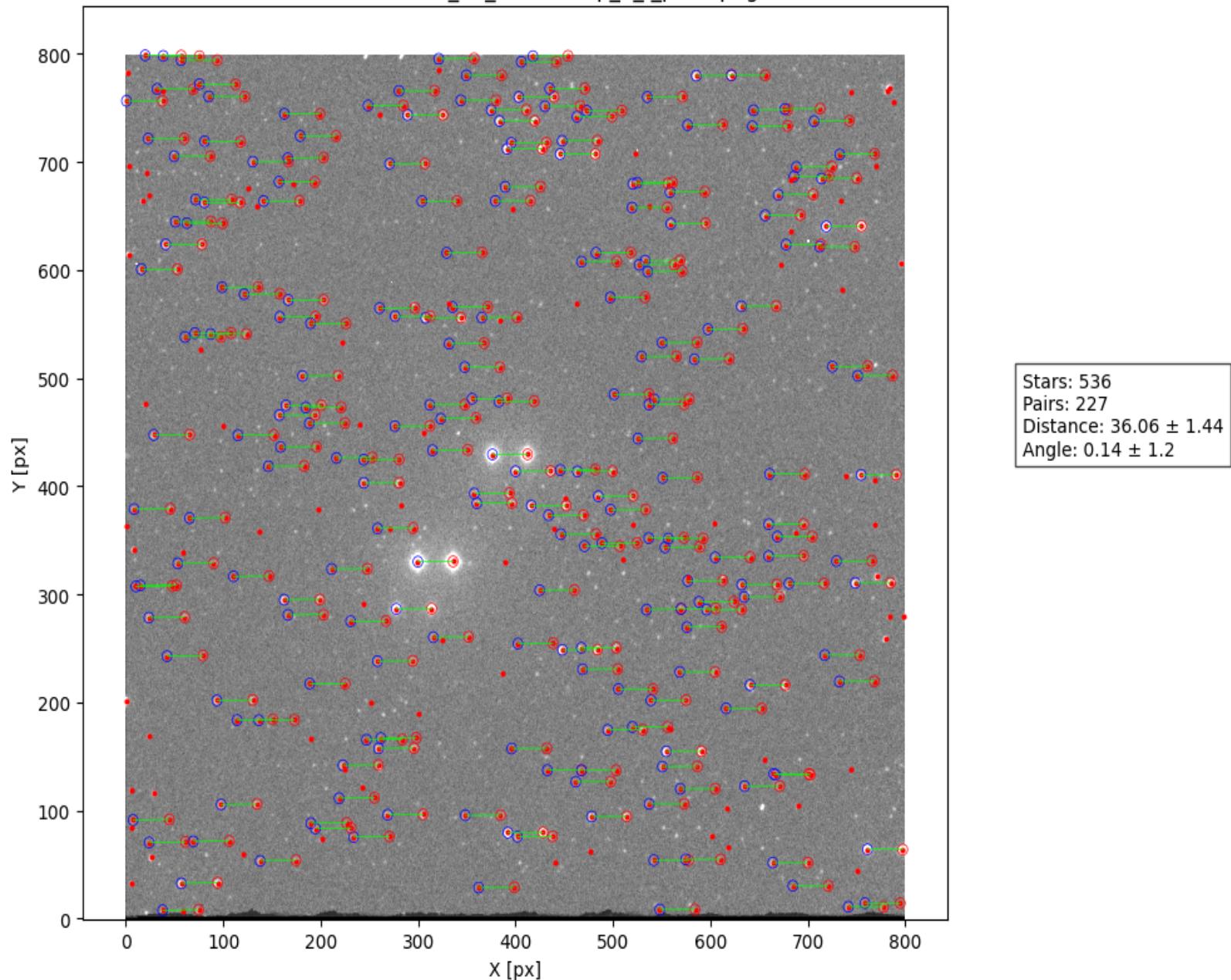


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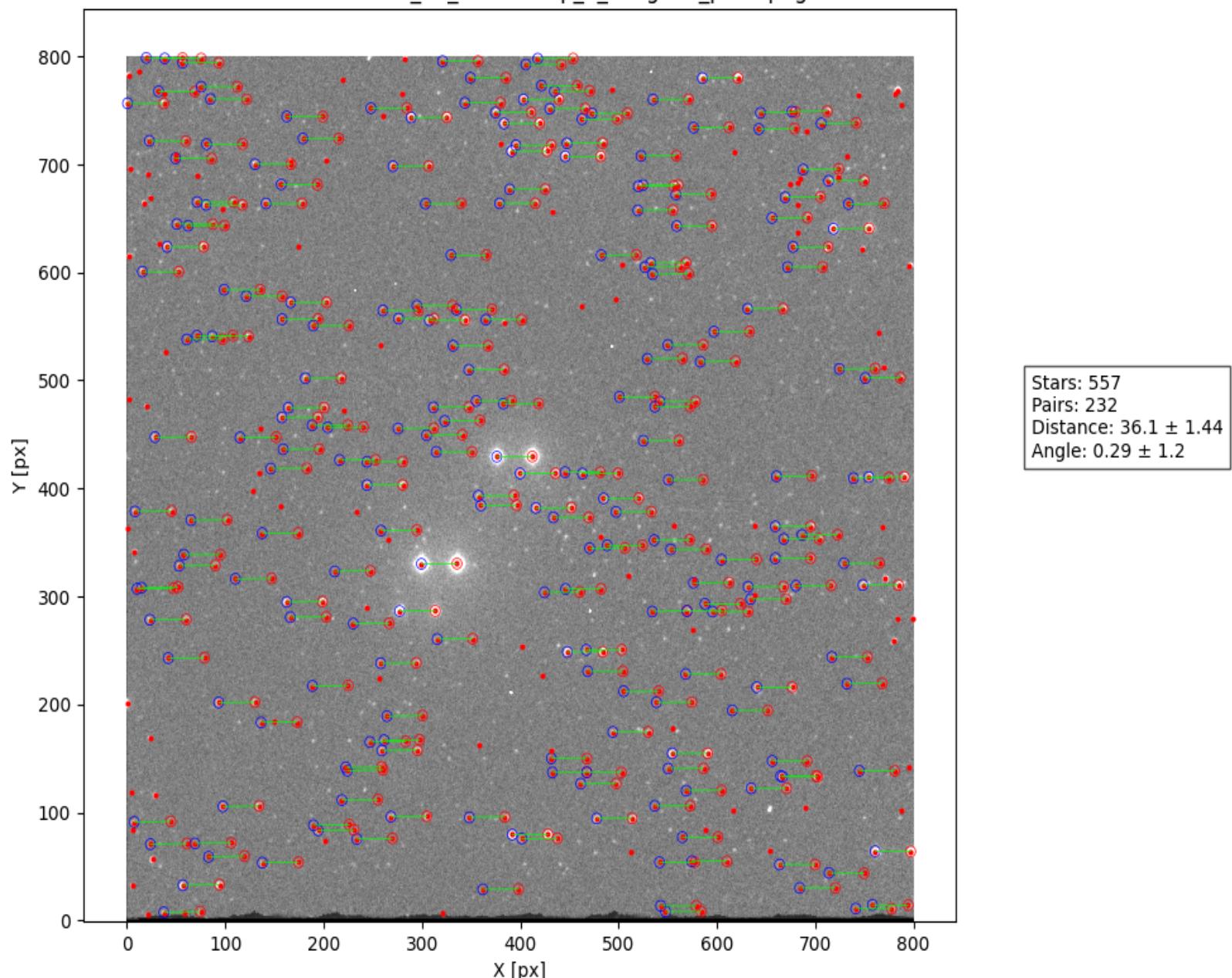


3. Imágenes con pares identificados

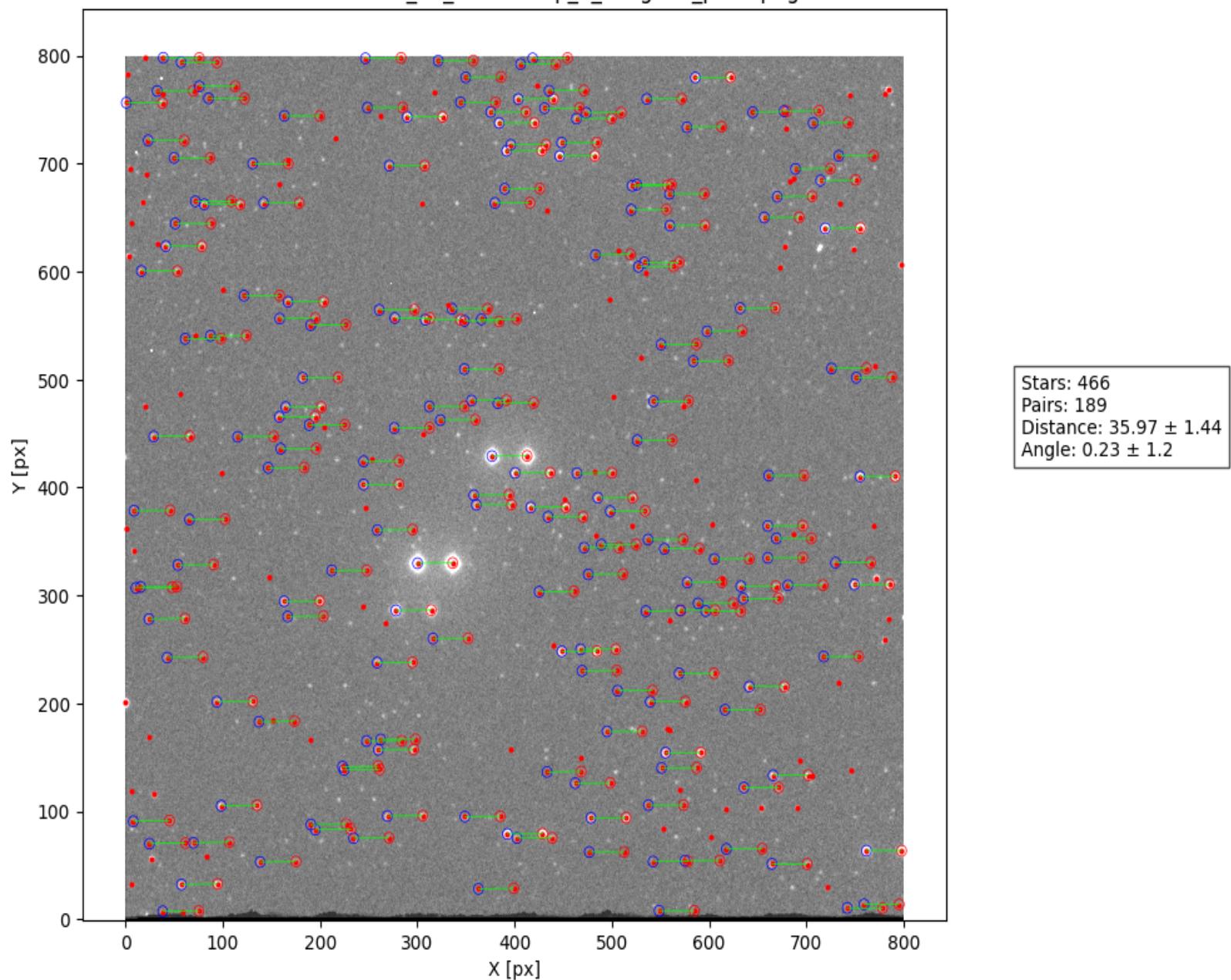
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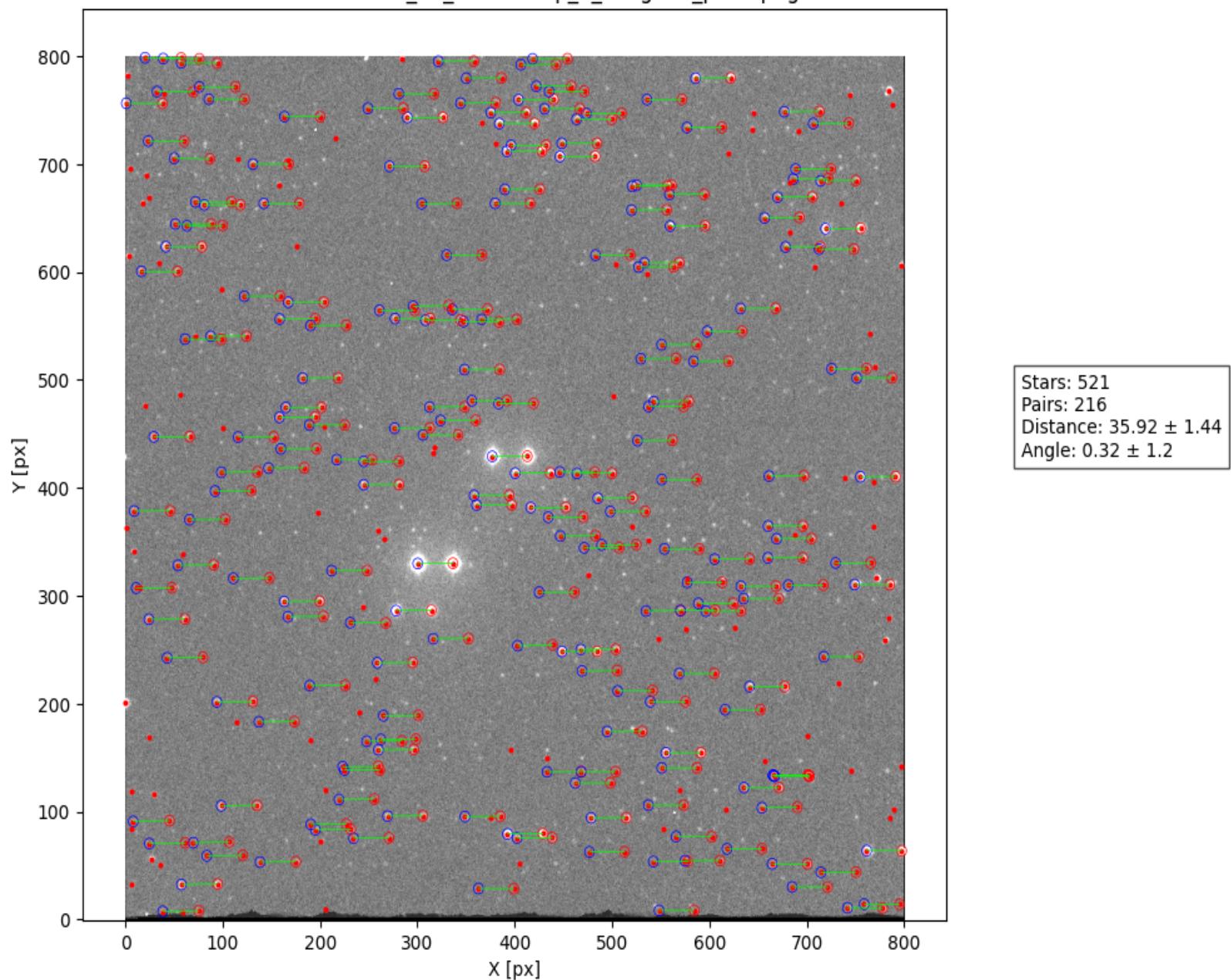
caf-20230720-22_55_36-sci-blap_b_f-aligned_pairs.png



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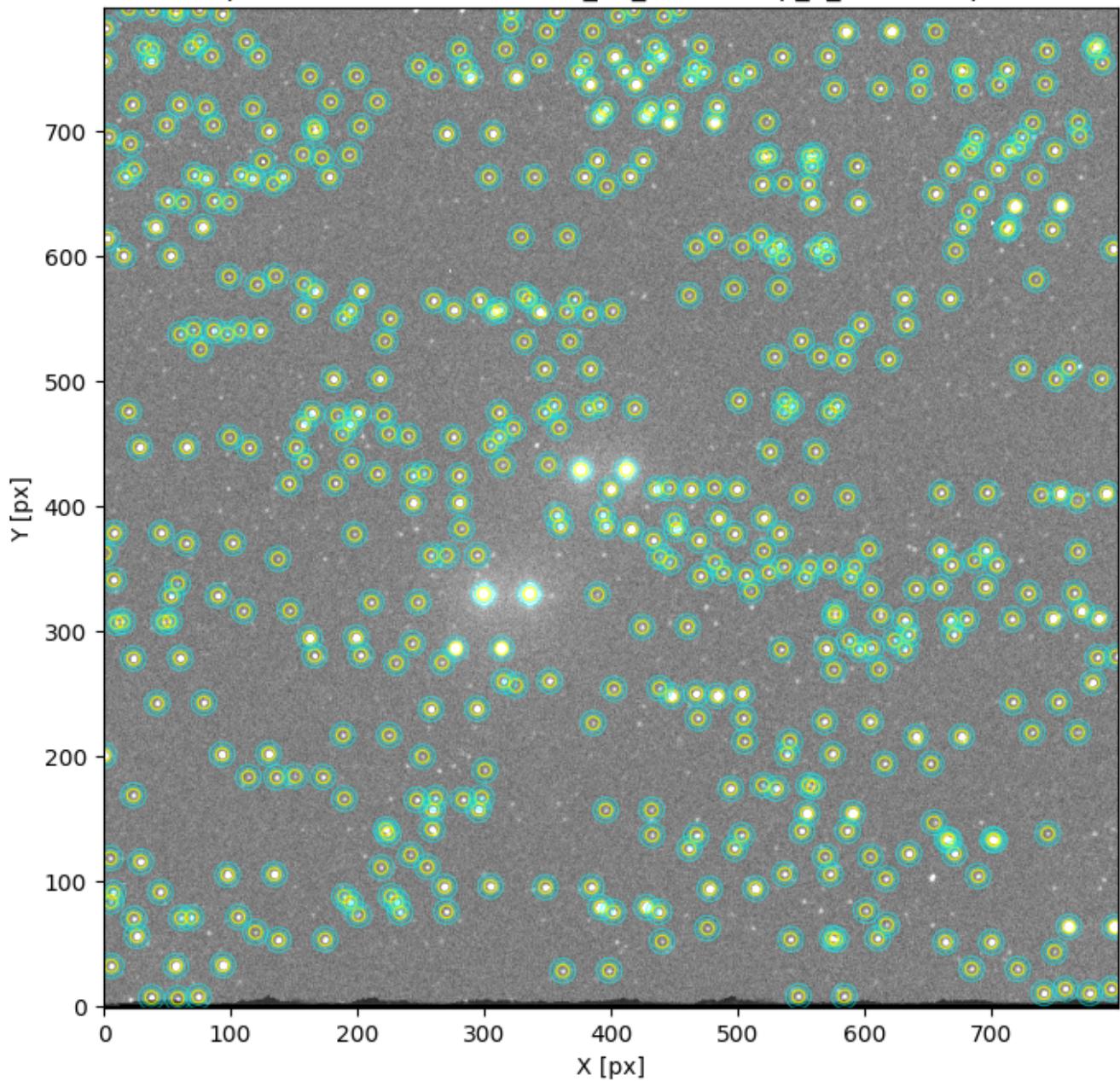


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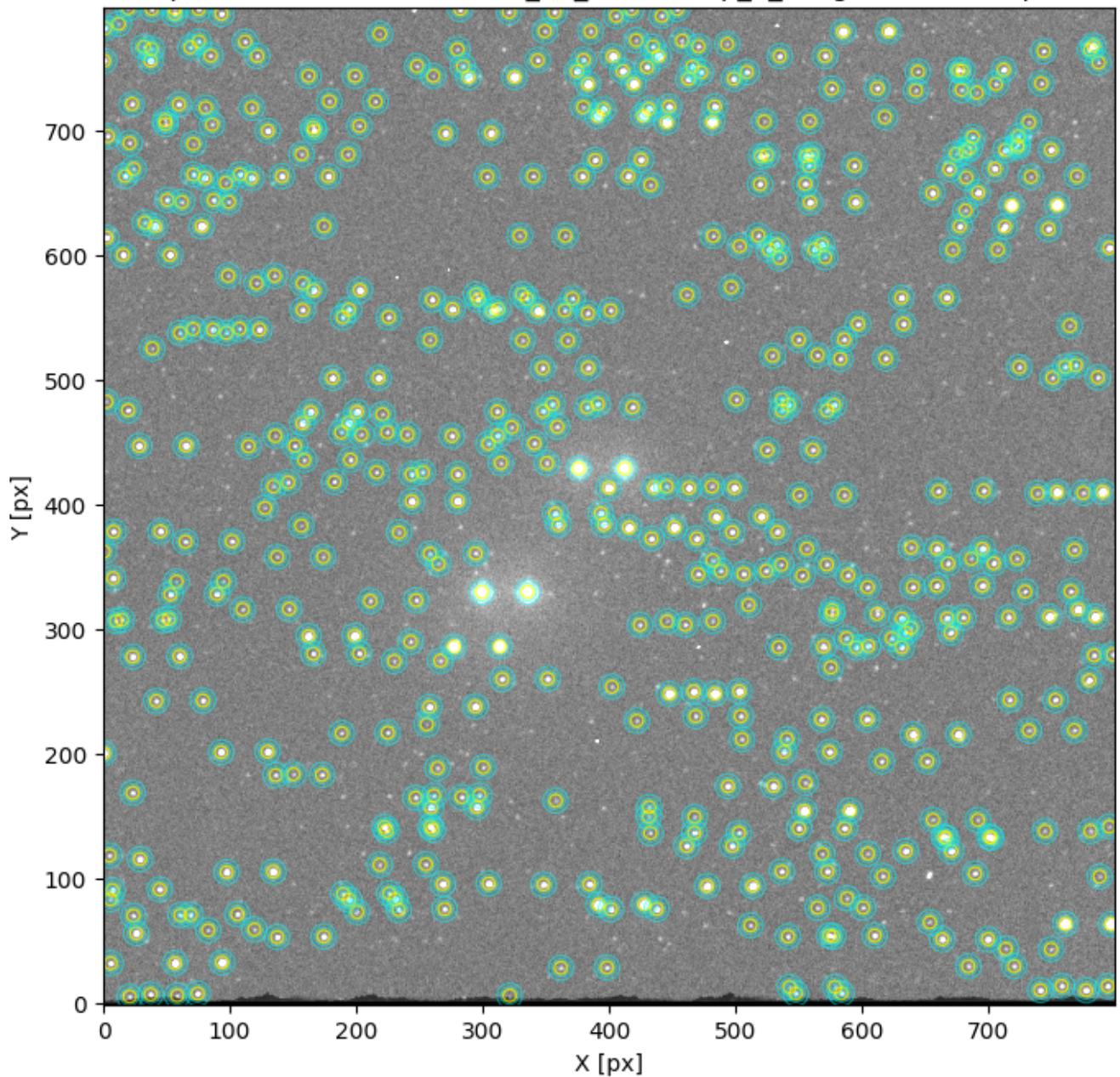


4. Fotometría — Aperturas

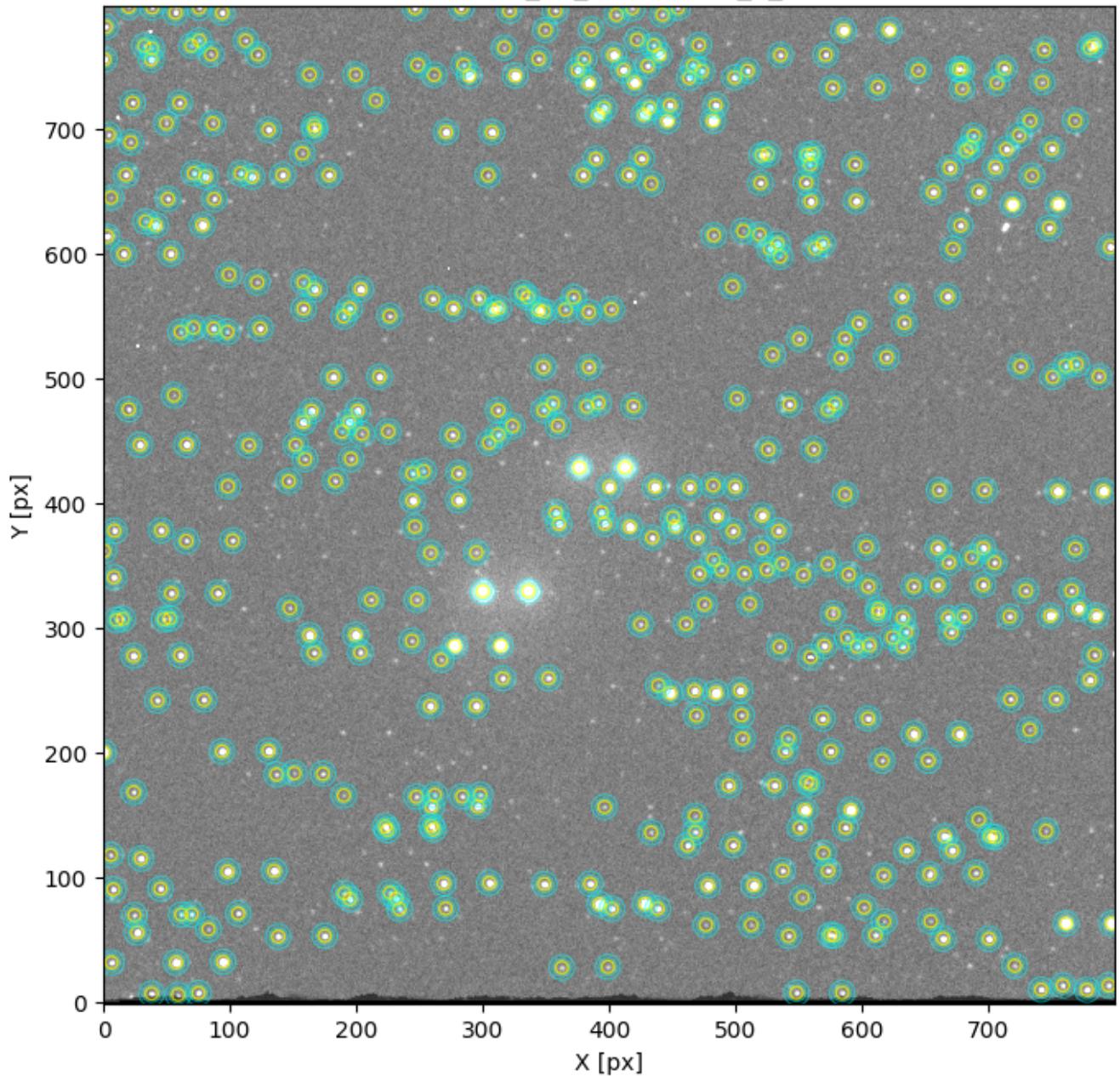
Apertures caf-20230720-22_54_44-sci-blap_b_f.fits ($r=5\text{px}$)



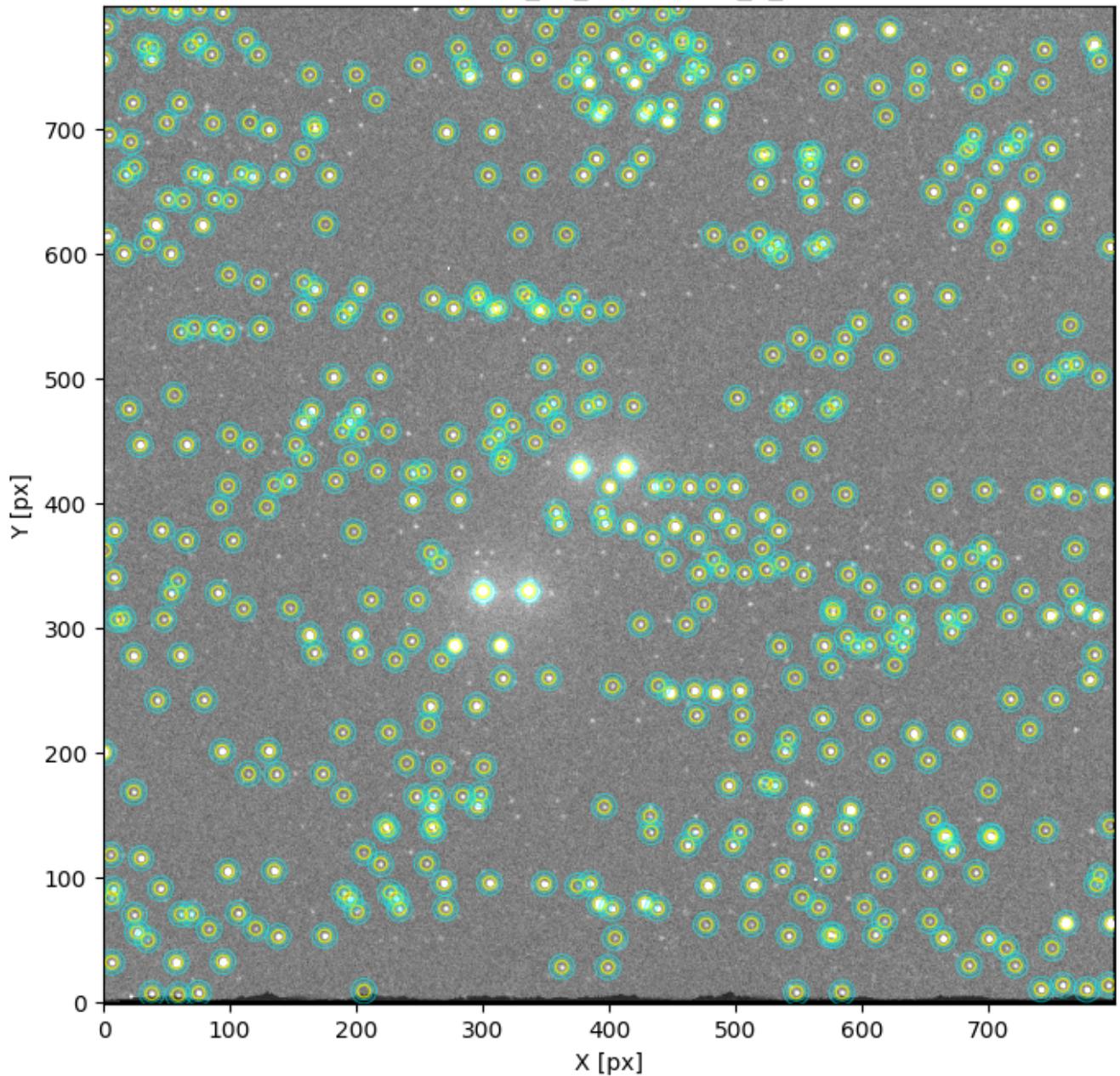
Apertures caf-20230720-22_55_36-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230720-22_56_29-sci-blap_b_f-aligned.fits (r=5px)

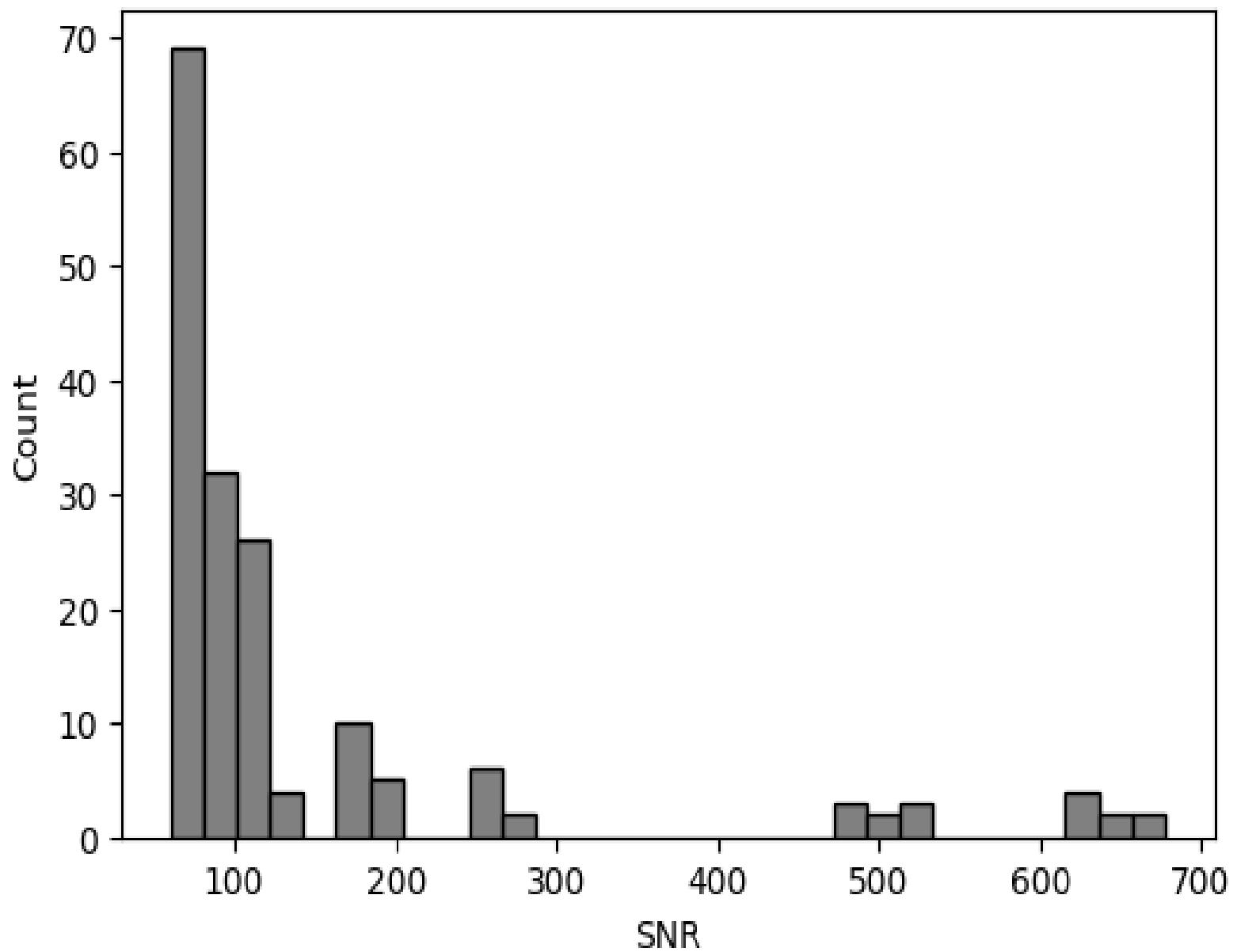


Apertures caf-20230720-22_57_22-sci-blap_b_f-aligned.fits (r=5px)

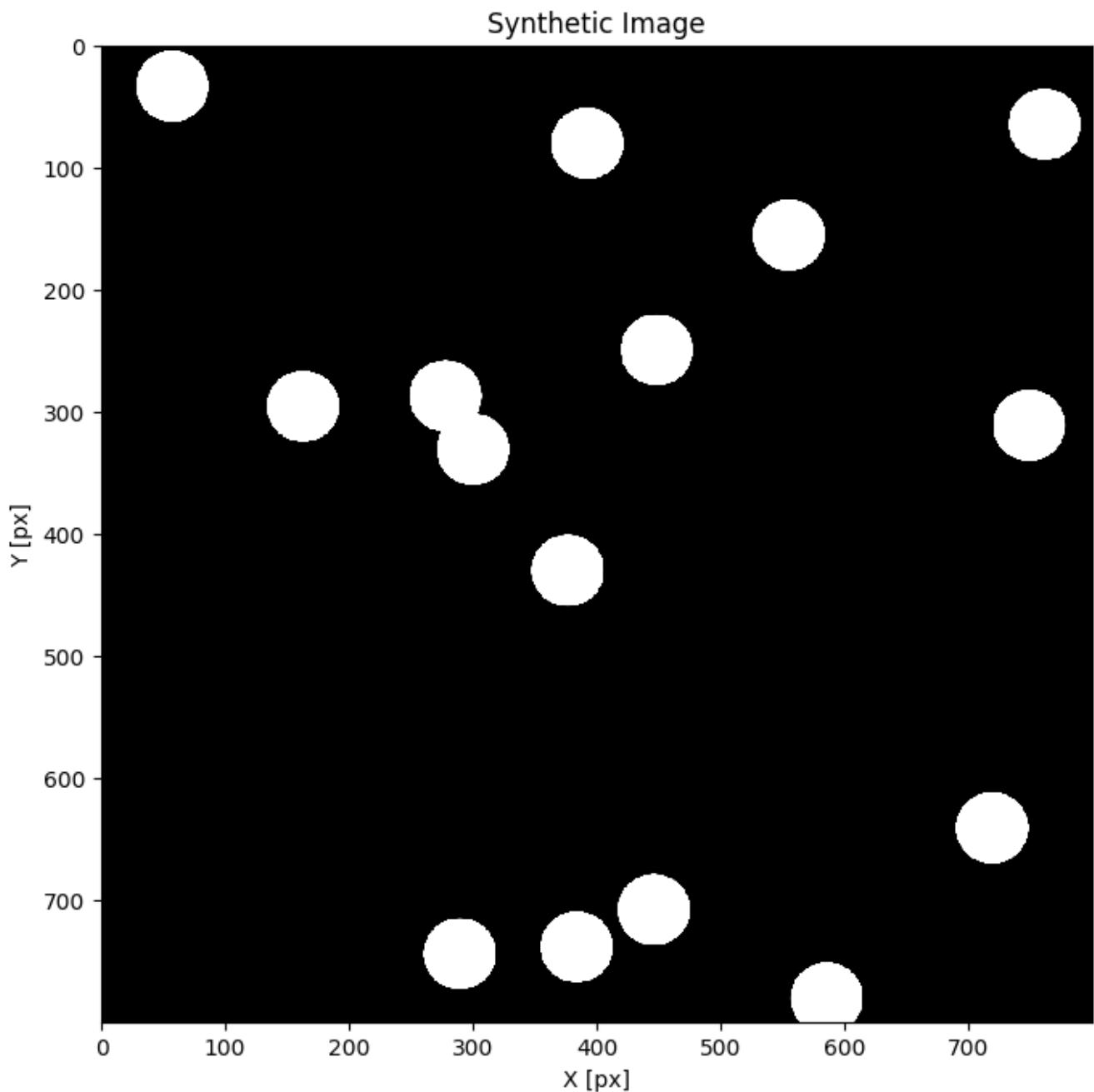


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



5. Astrometría — Imagen sintética



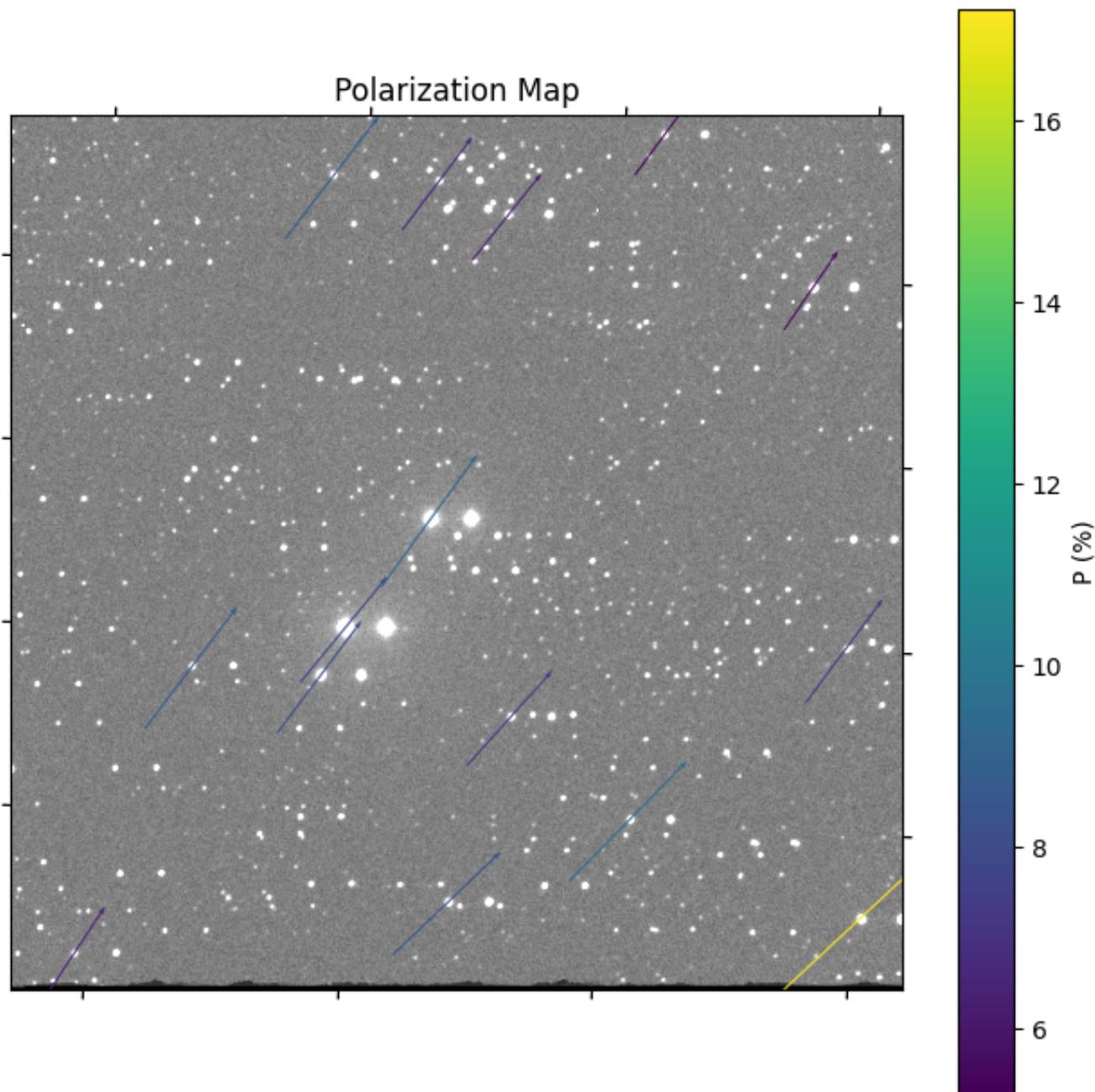
5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
6	278.305048	-10.634575	No_ID	
11	278.313479	-10.532144	Gaia DR3 4155013763742890240	Star
16	278.313703	-10.586061	No_ID	
35	278.325712	-10.562762	Gaia DR3 4155011255481947264	Star
56	278.339042	-10.578821	Gaia DR2 4155011186762449152	Star
64	278.343760	-10.603883	Gaia DR3 4154999298292954752	Star
69	278.344435	-10.620693	No_ID	
76	278.349925	-10.535275	Gaia DR3 4155013076548080640	Star
81	278.350358	-10.600893	Gaia DR3 4154999328346069632	Star
112	278.365495	-10.590275	ATO J278.3657-10.5901	HighMassXBin
164	278.398764	-10.541344	Gaia DR2 4155001458649122304	Star
188	278.407212	-10.581609	Gaia DR2 4155000668375096320	Star
198	278.411440	-10.590875	Gaia DR2 4155000668375096320	Star
201	278.411777	-10.604675	No_ID	
219	278.418782	-10.561587	Gaia DR2 4155000810121416704	Star

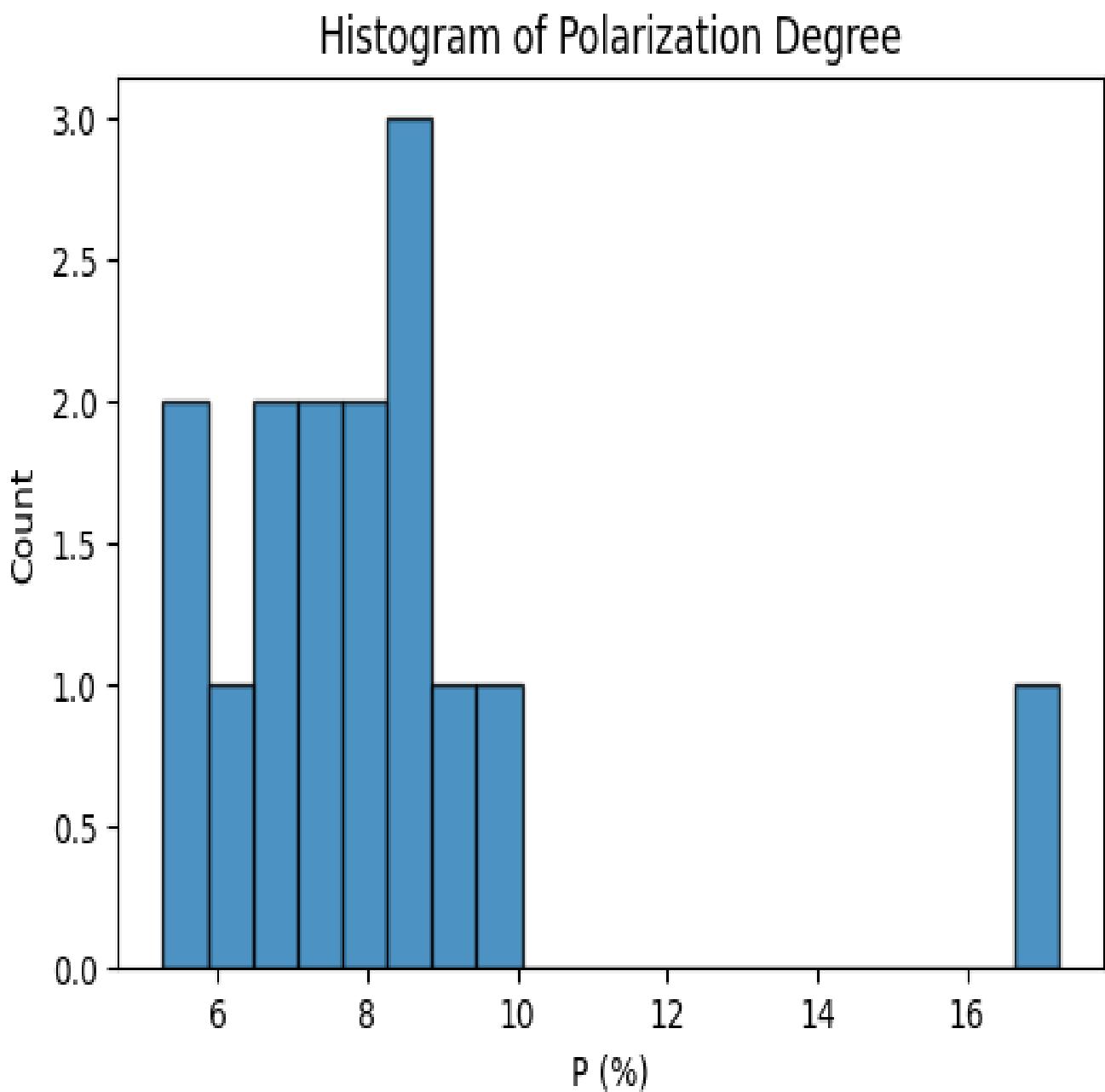
6. Polarimetría — Estimación Interestelar (ISM)

Comp.	Q mean	Q σ	Q weight	U mean	U σ	U weight	Dominante Q	Dominante U
0	-2.029	0.669	0.64	7.434	1.396	0.88	✓	✓
1	-0.246	0.911	0.36	17.206	0.001	0.12		

6. Polarimetría — Mapa de polarización

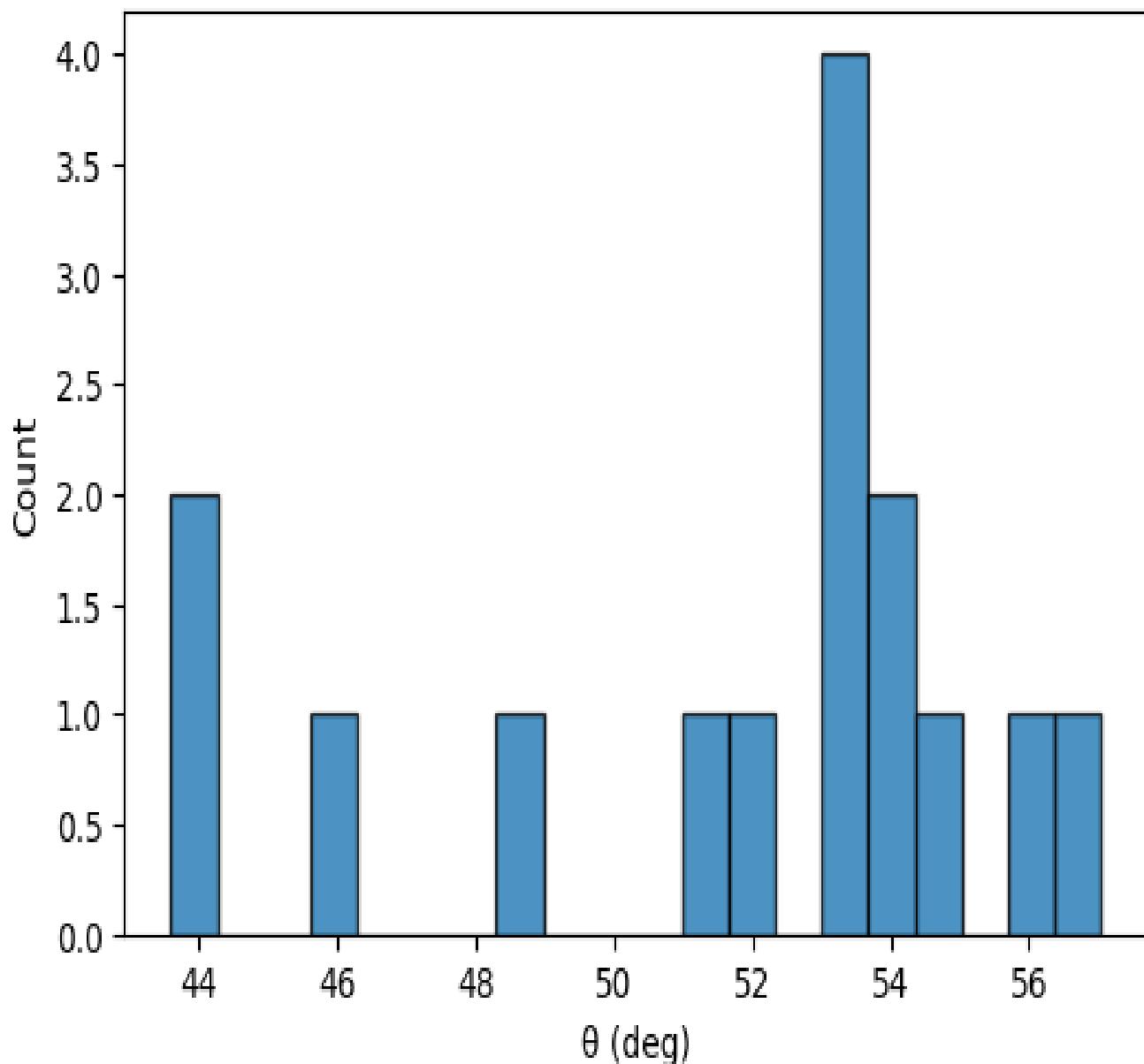


6. Polarimetría — Histograma de P

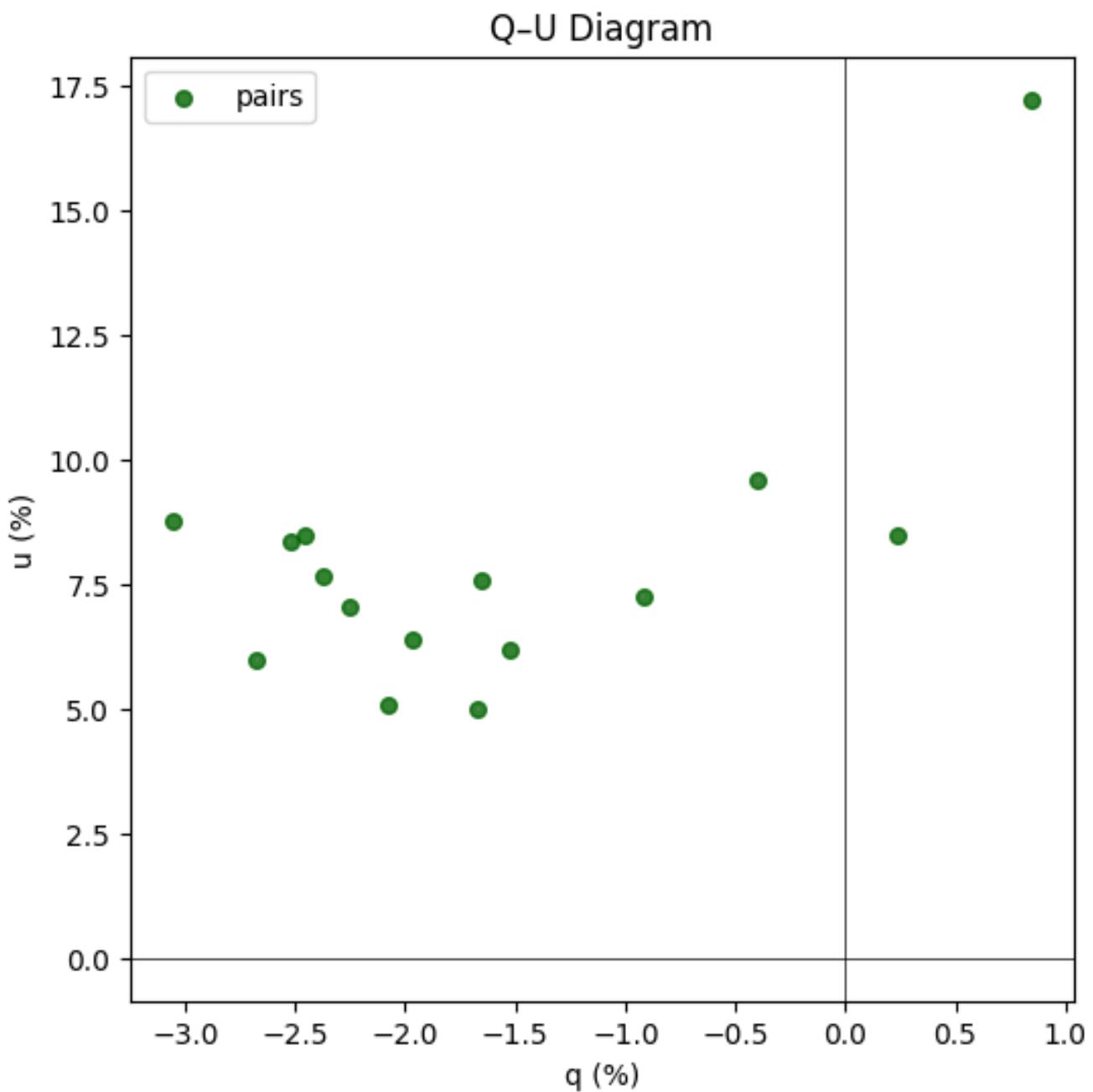


6. Polarimetría — Histograma de θ

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
1	-0.246	0.911	0.36	17.206	0.001	0.12		

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.

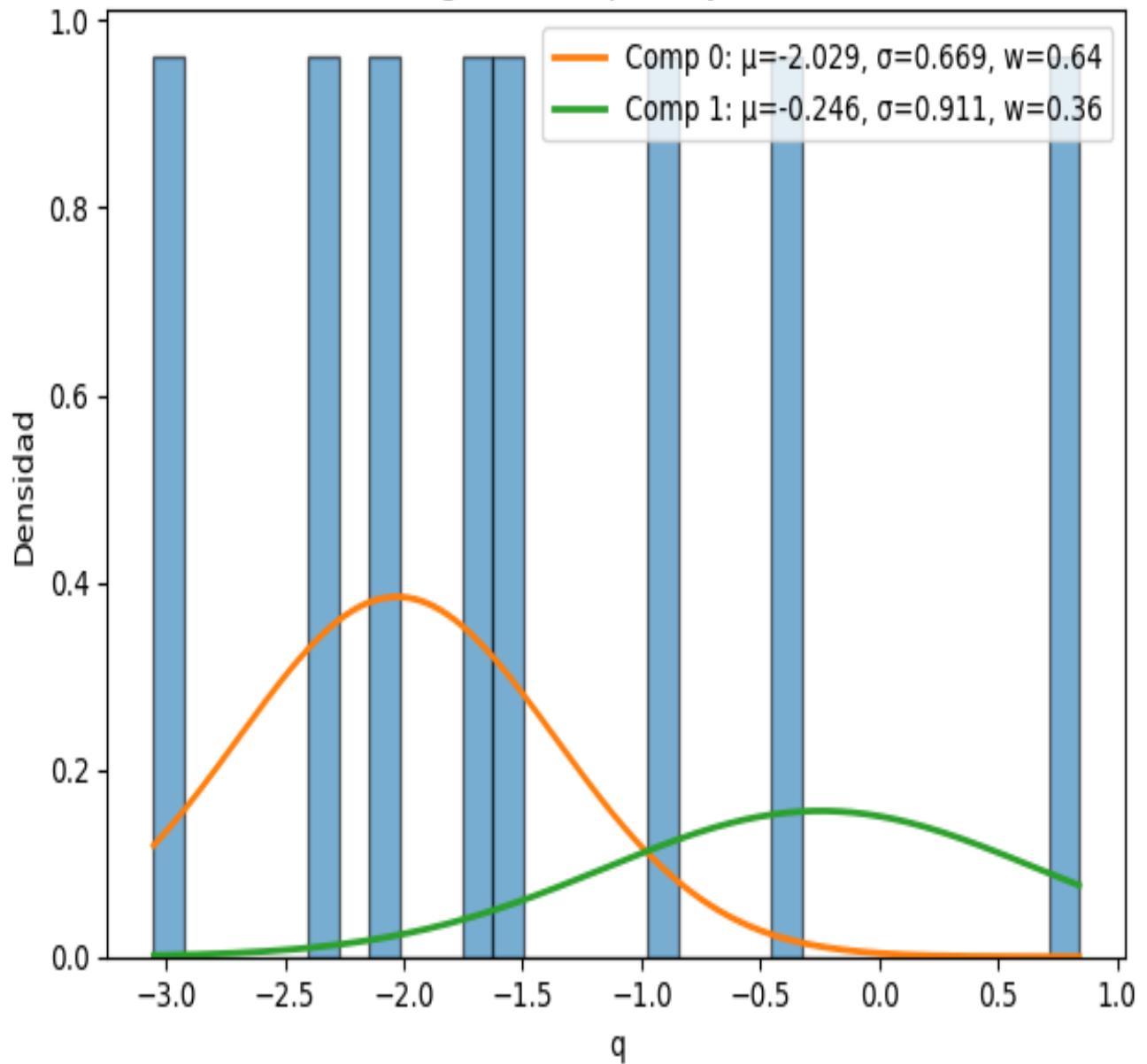
U Means: medias de la componente u estimada para la polarización interestelar.

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 — Histograma de ISM con ajuste GMM Q

Histograma de q con ajuste GMM



6. Polarimetría — Histograma de ISM con ajuste GMM U

