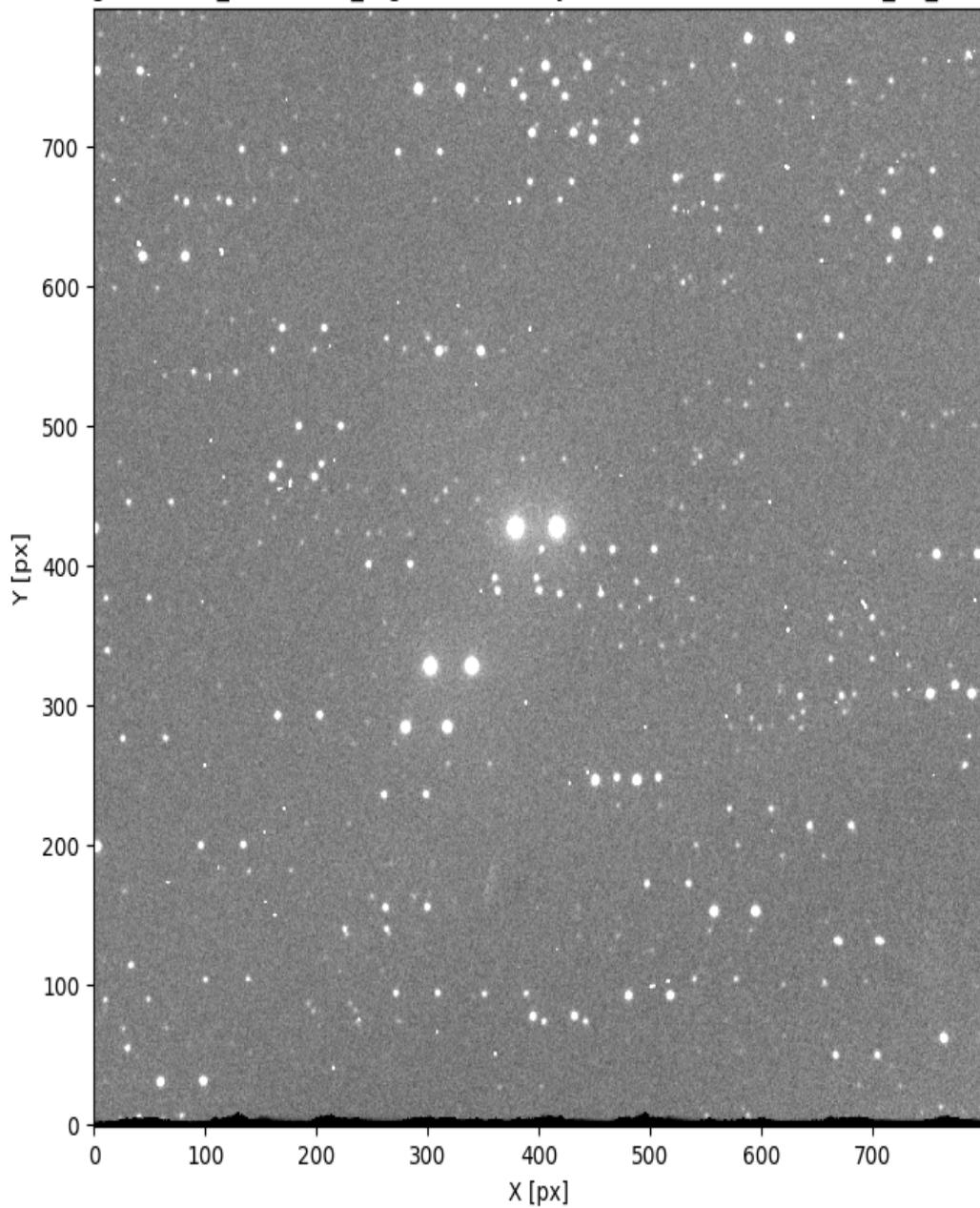
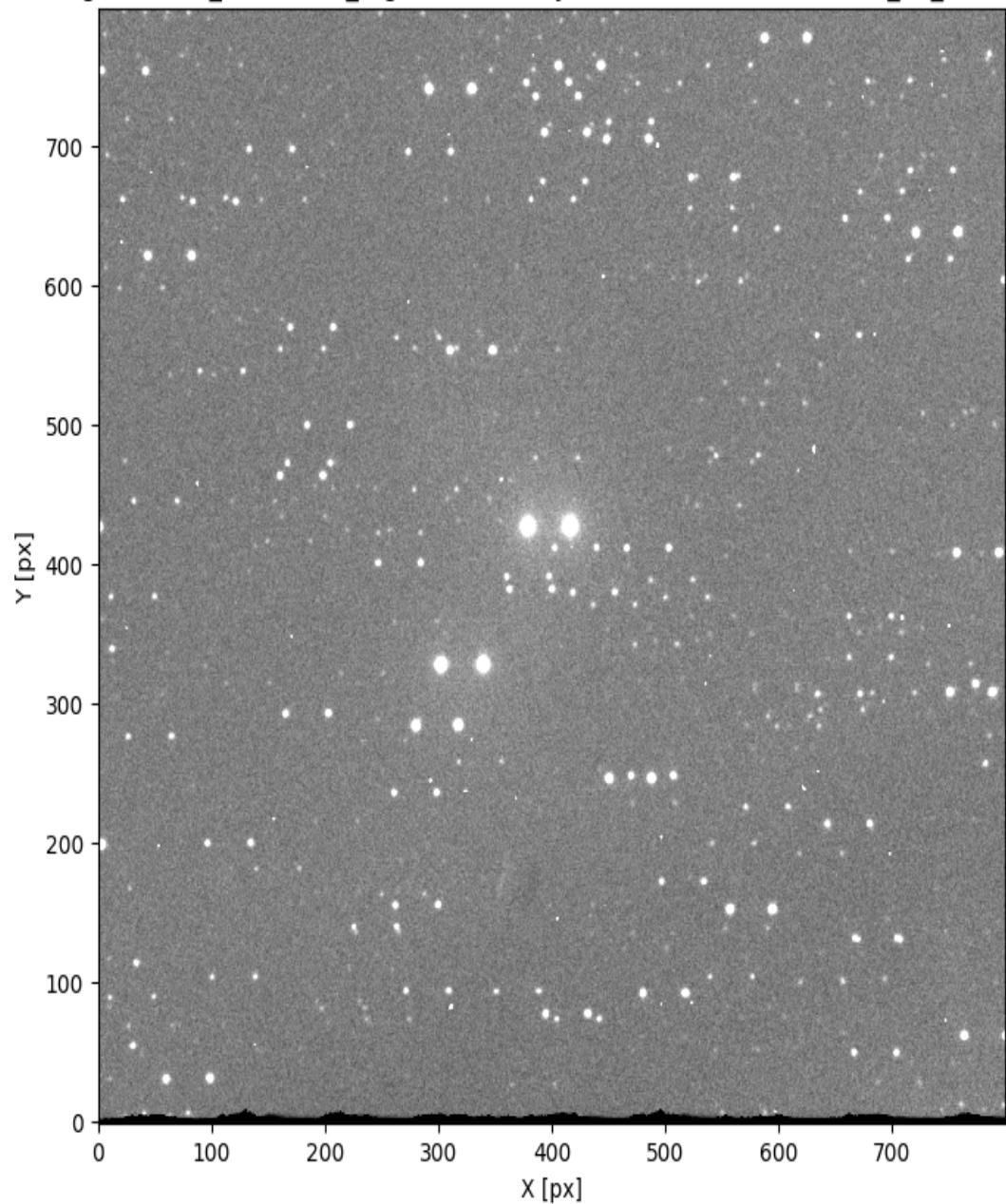


1. Imágenes originales

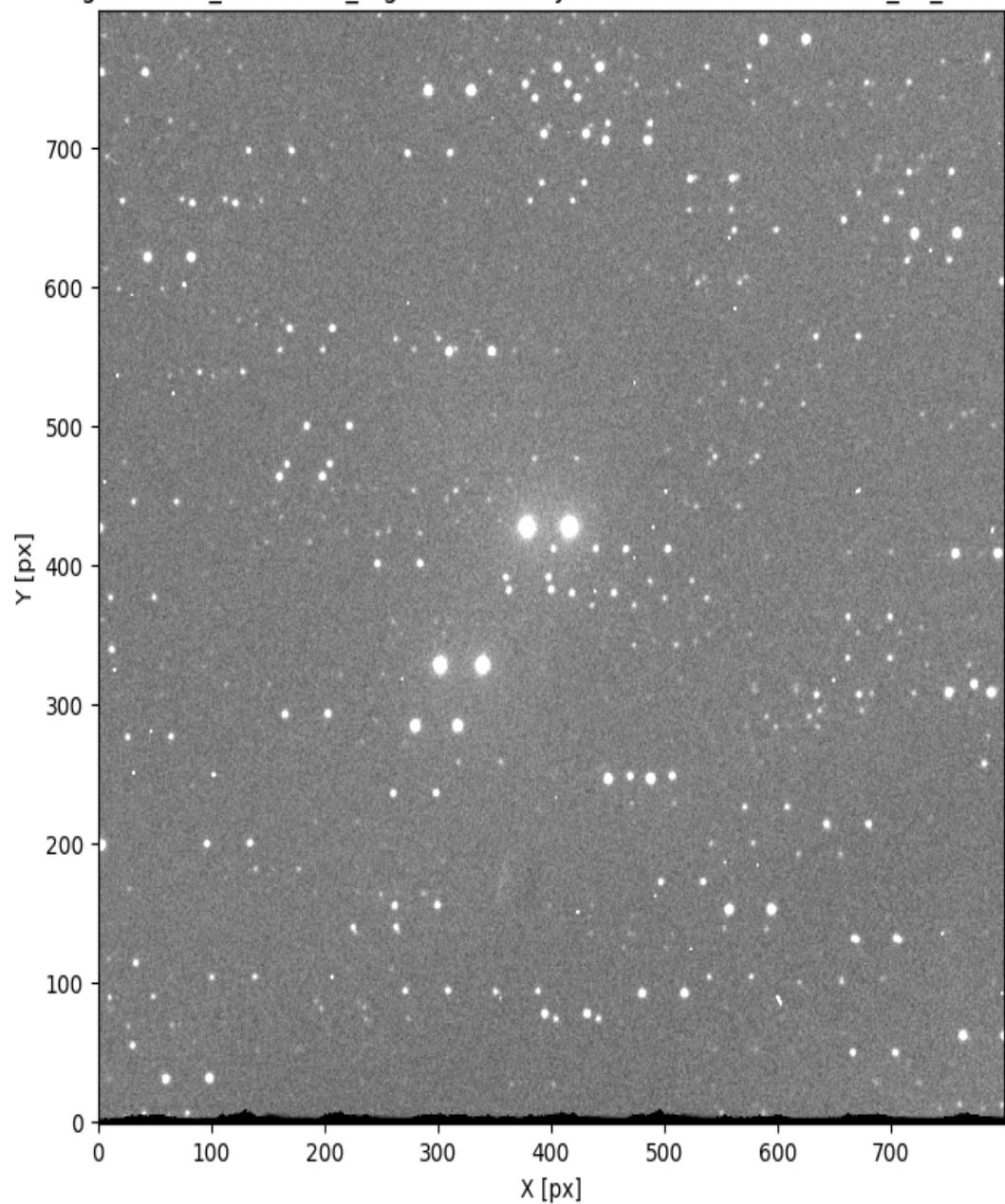
Reference Image noche1_20230720_organize/SS397/JohnsonB/caf-20230720-22_30_03-sci-blap_b_f.fits



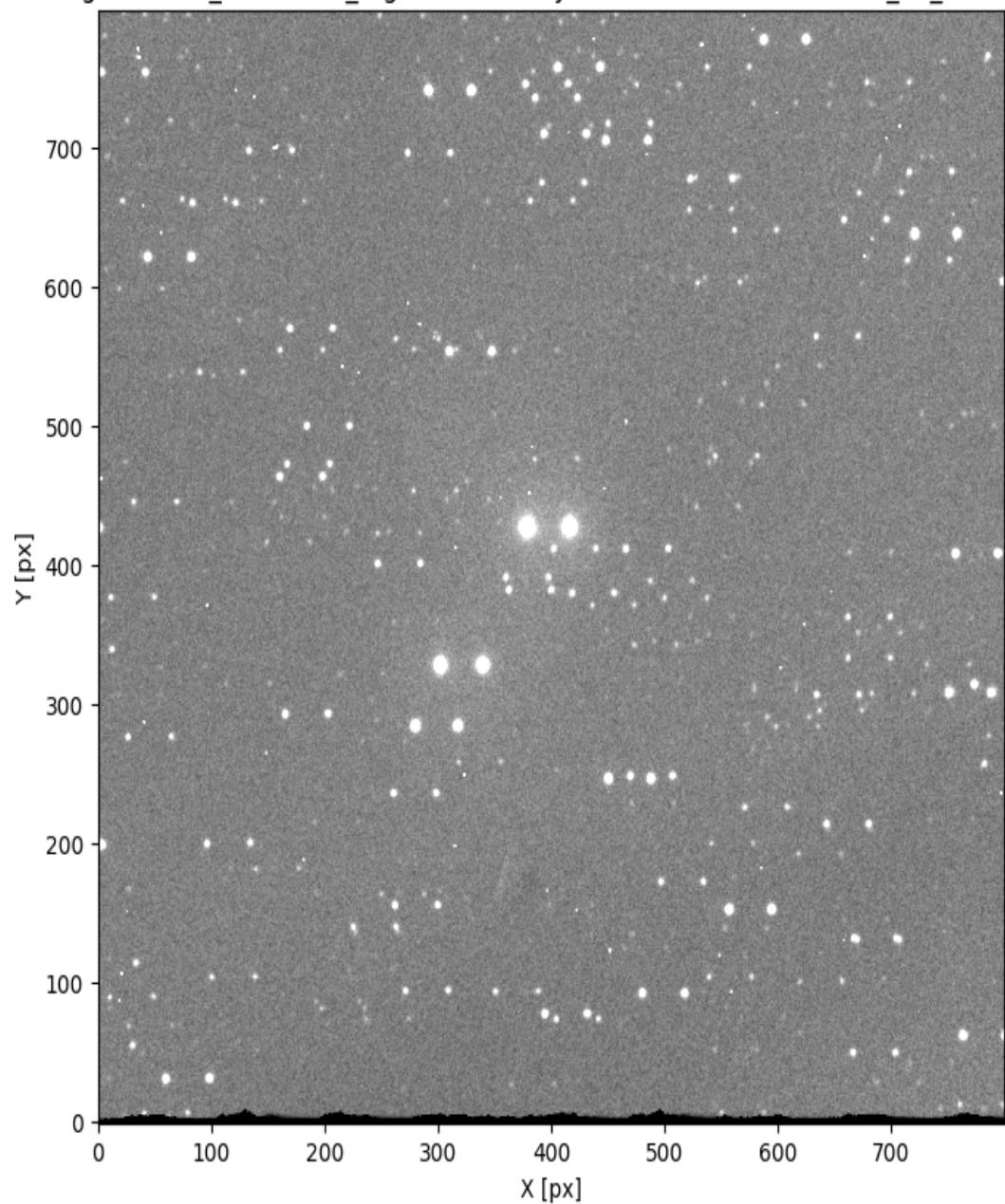
Original Image noche1_20230720_organize/SS397/JohnsonB/caf-20230720-22_34_27-sci-blap_b_f.fits



Original Image noche1_20230720_organize/SS397/JohnsonB/caf-20230720-22_38_50-sci-blap_b_f.fits

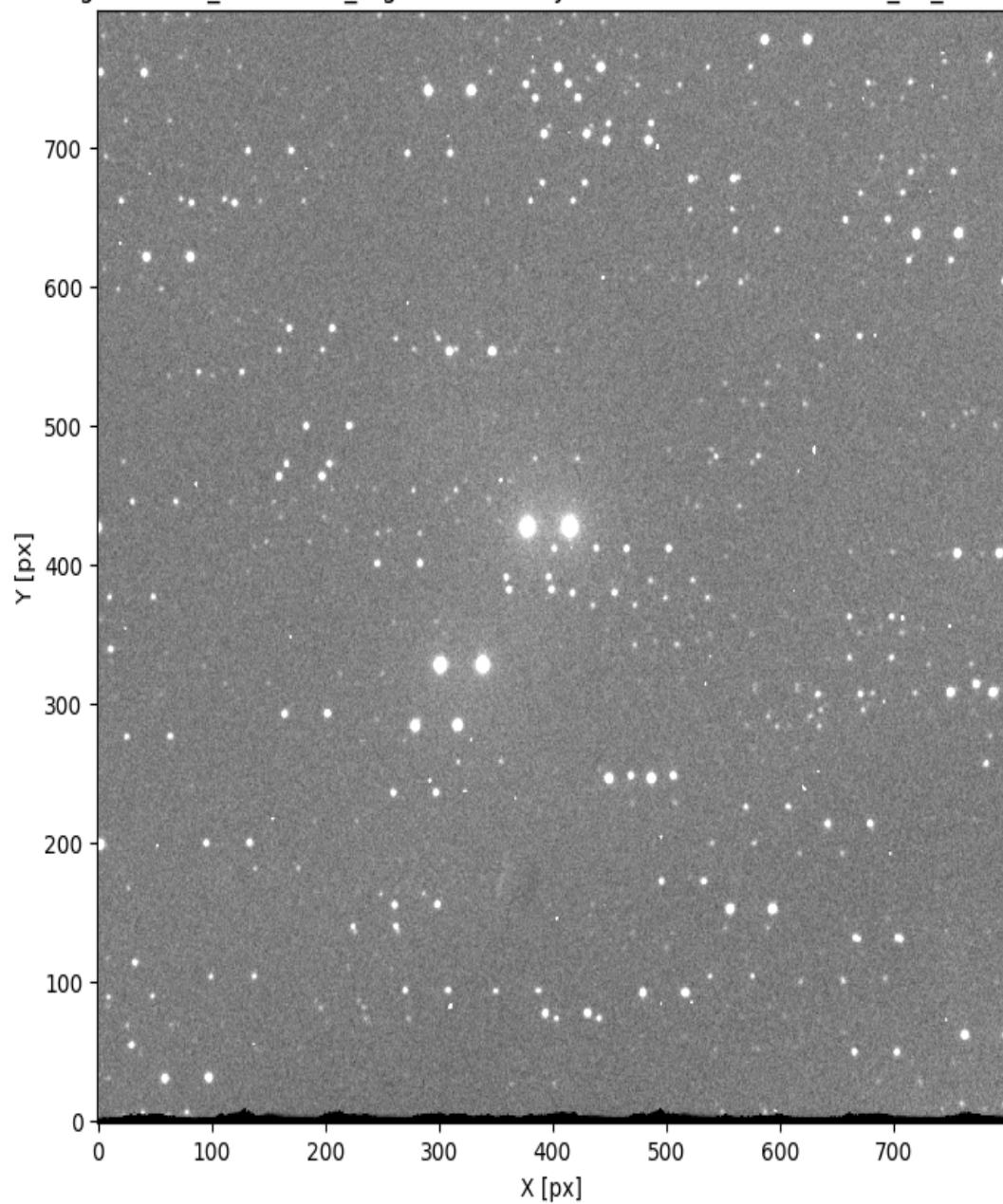


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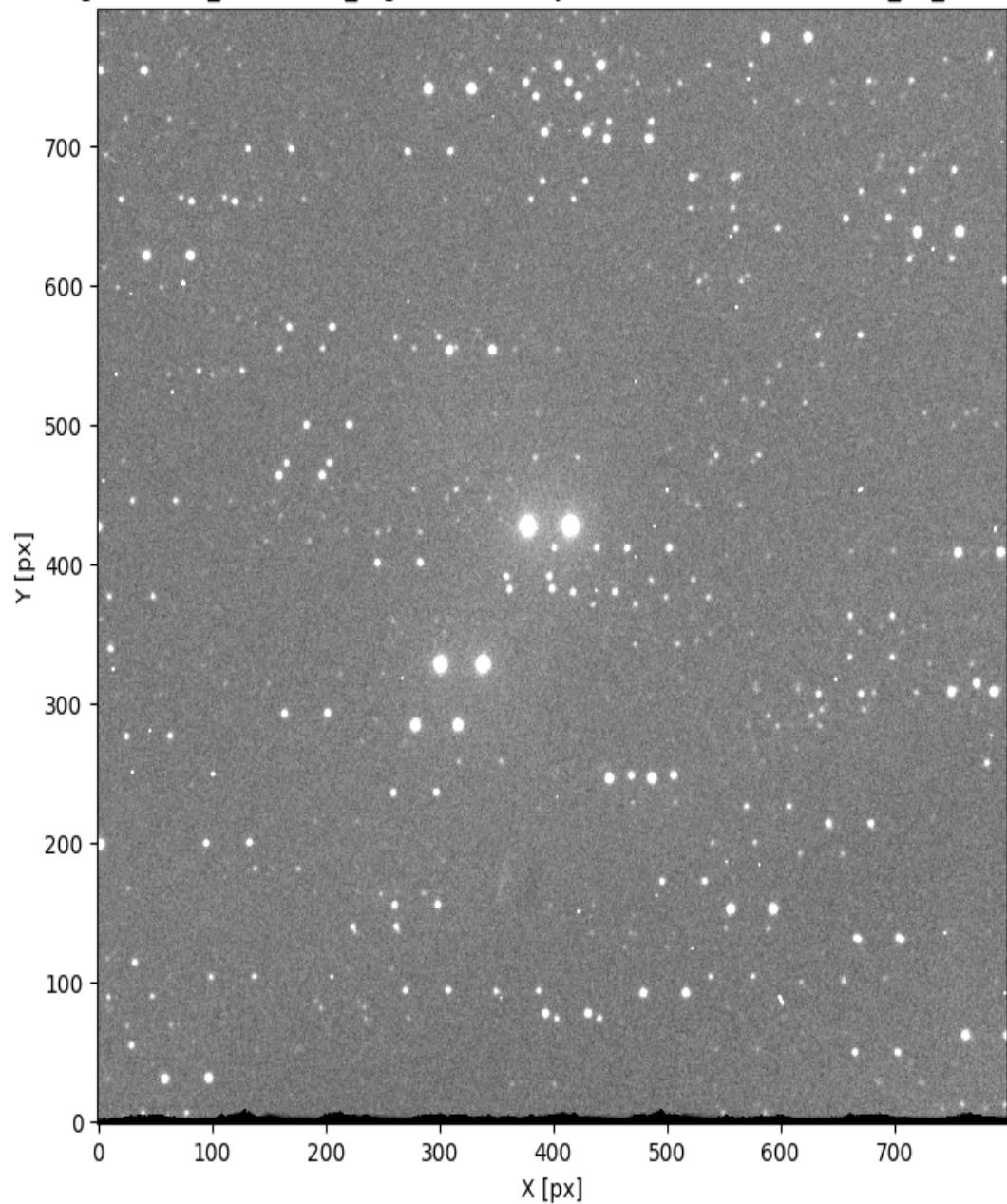


2. Imágenes alineadas

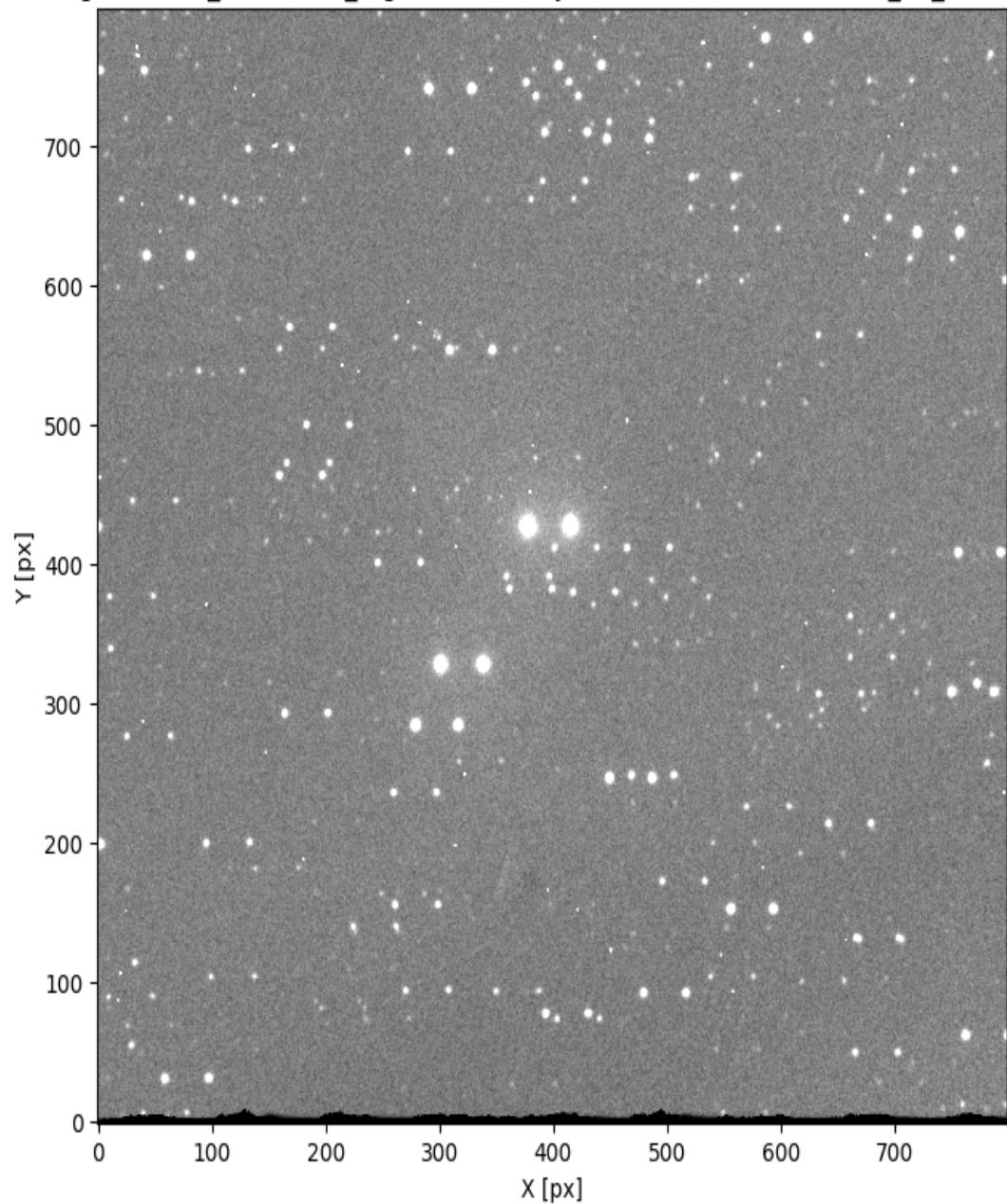
Aligned Image noche1_20230720_organize/SS397/JohnsonB/caf-20230720-22_34_27-sci-blap_b_f.fits



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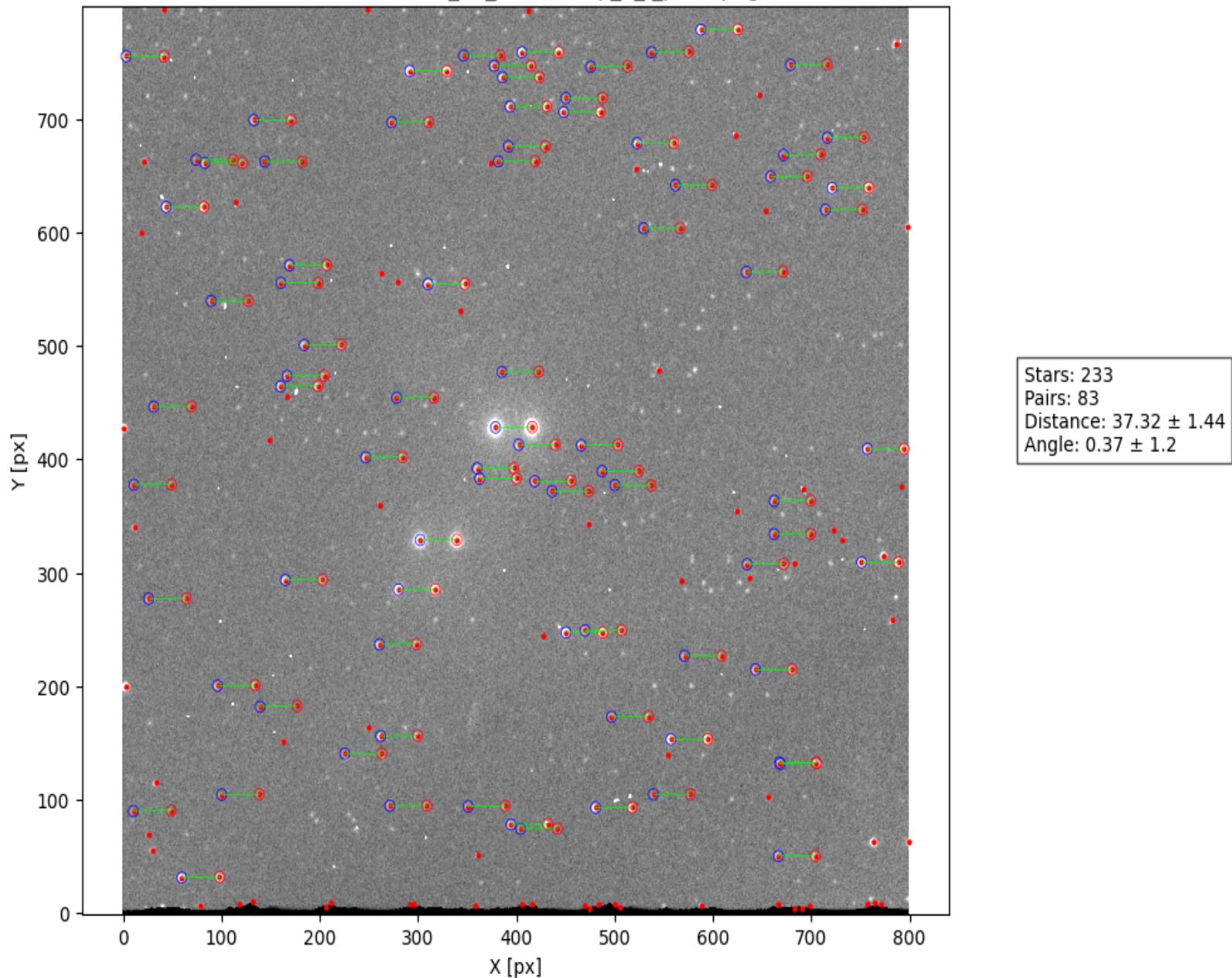


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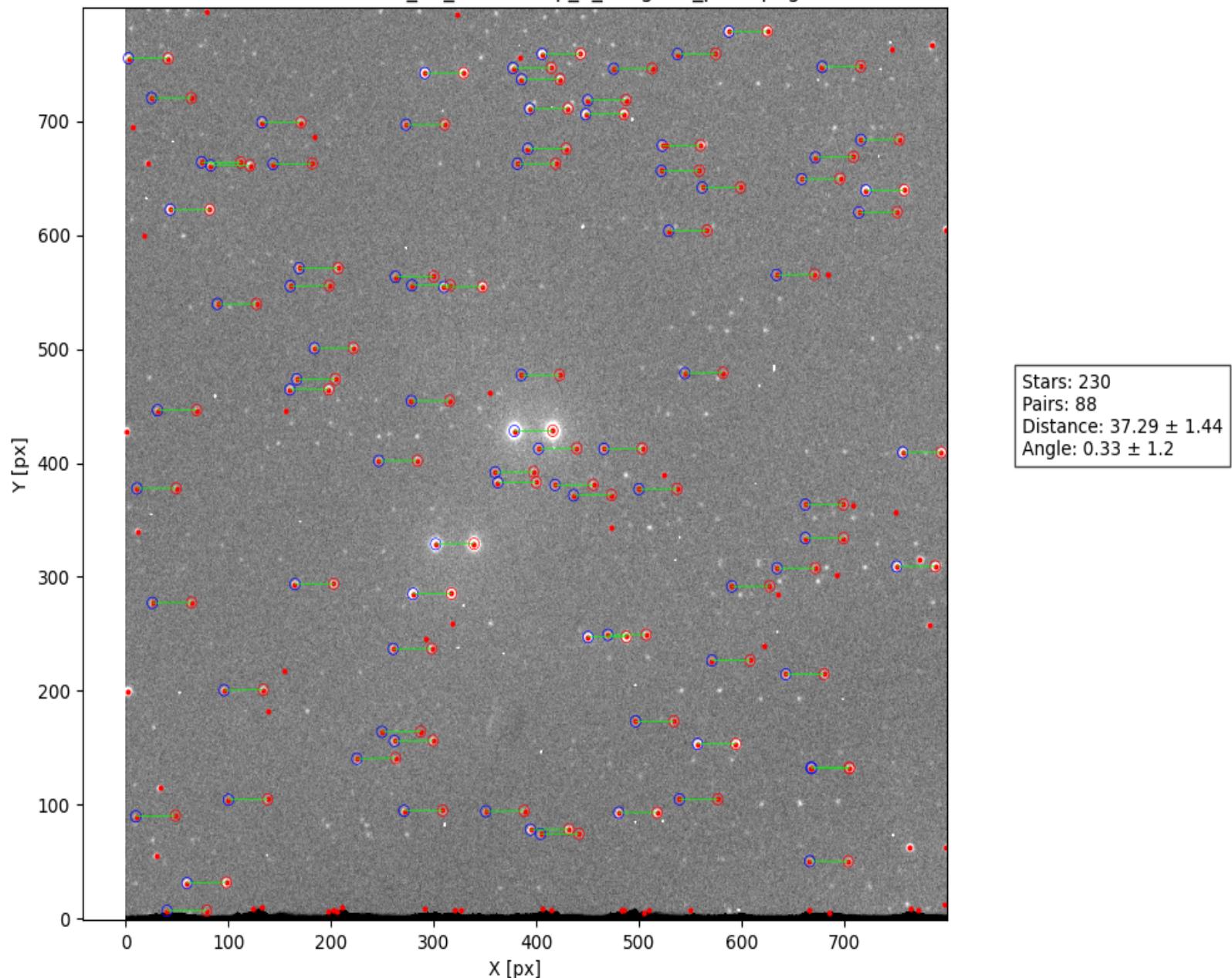


3. Imágenes con pares identificados

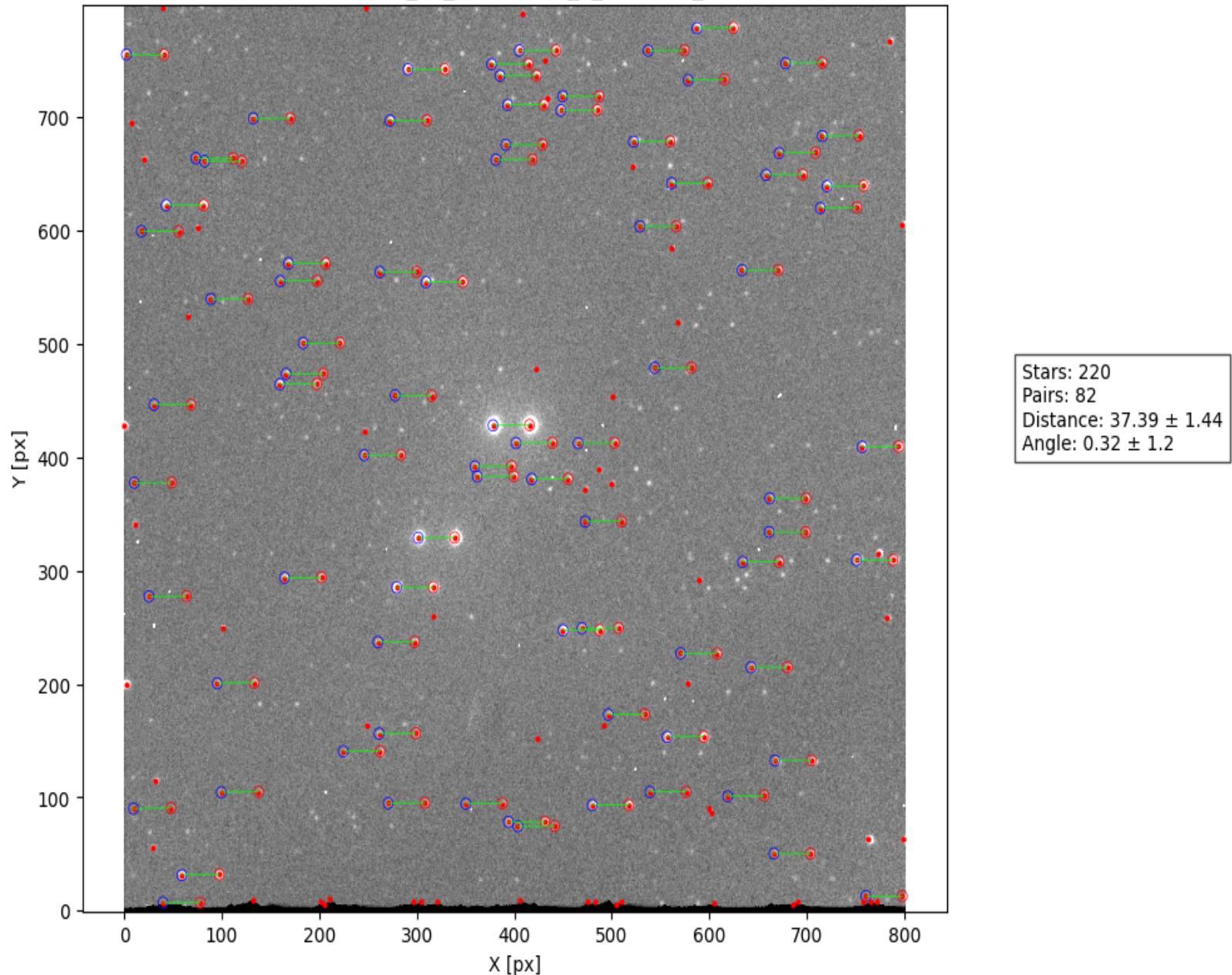
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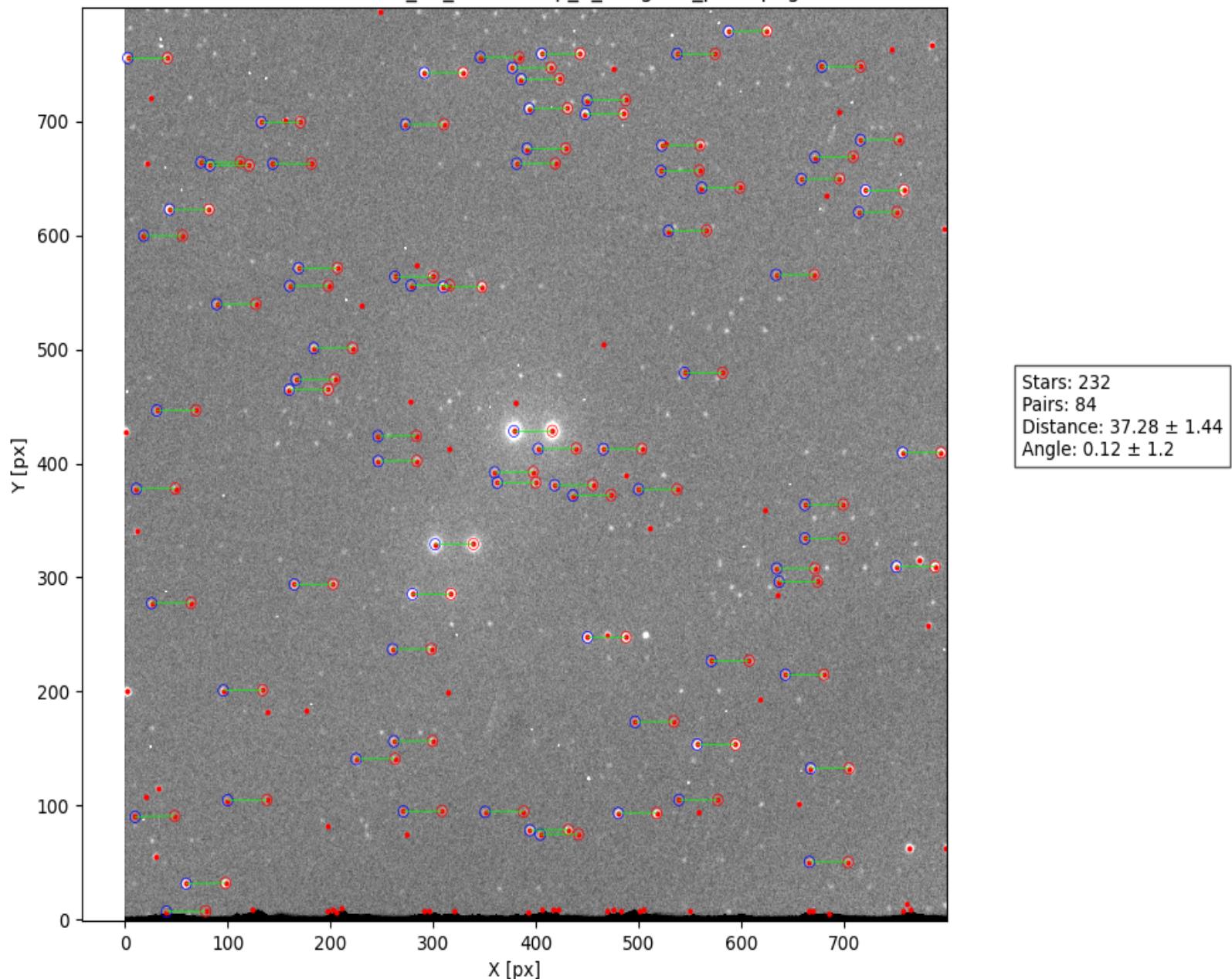
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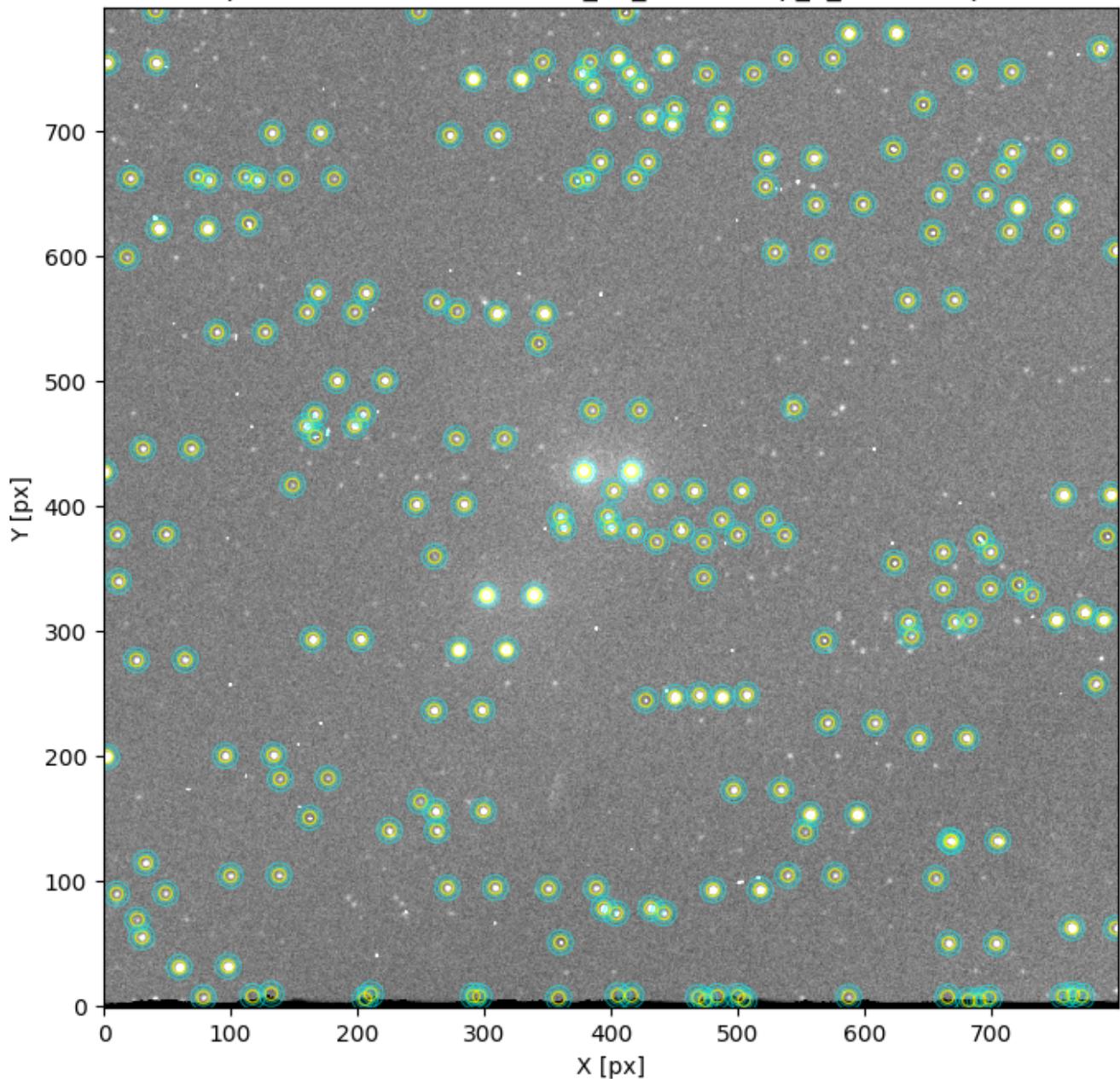


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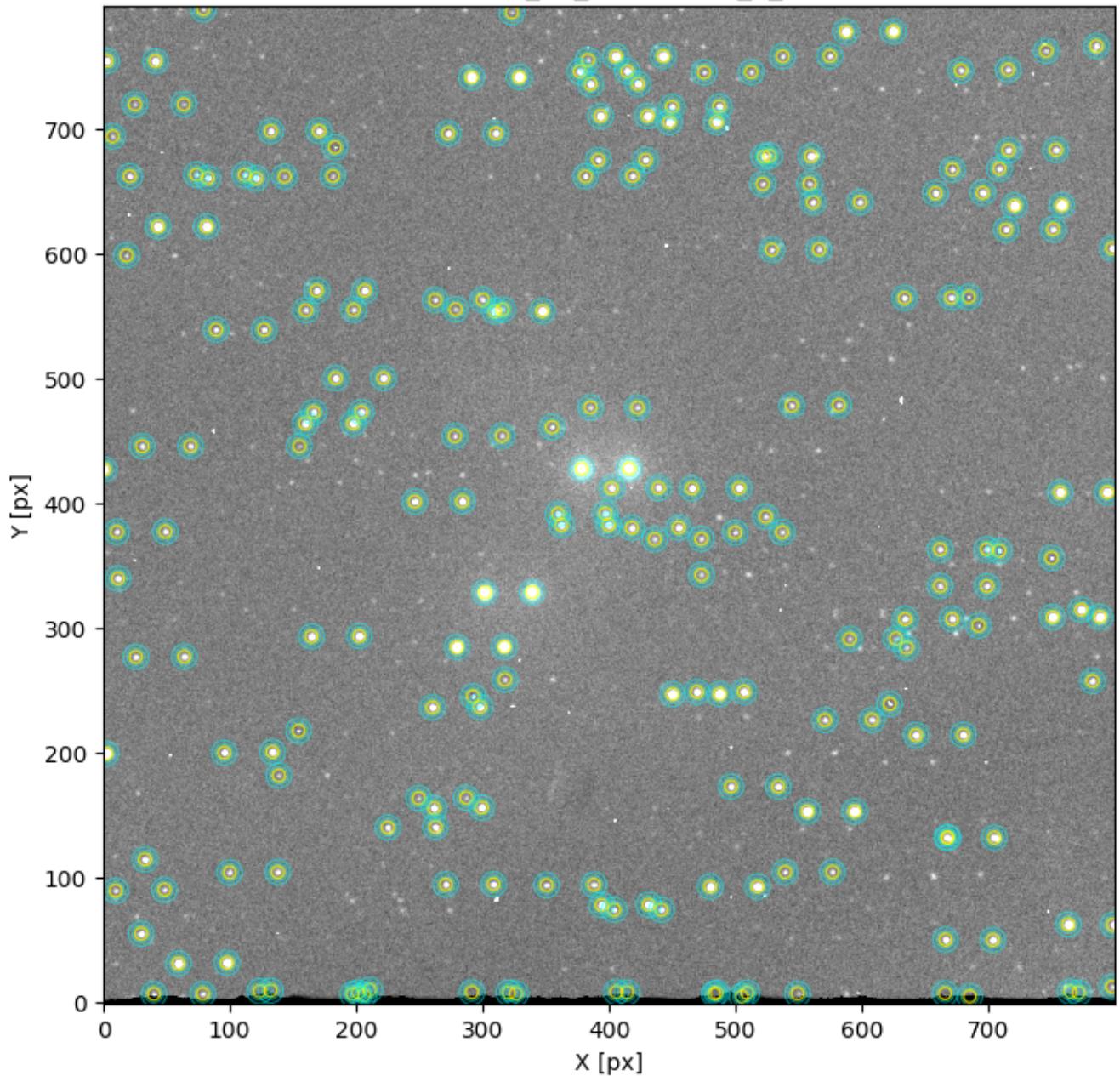


4. Fotometría — Aperturas

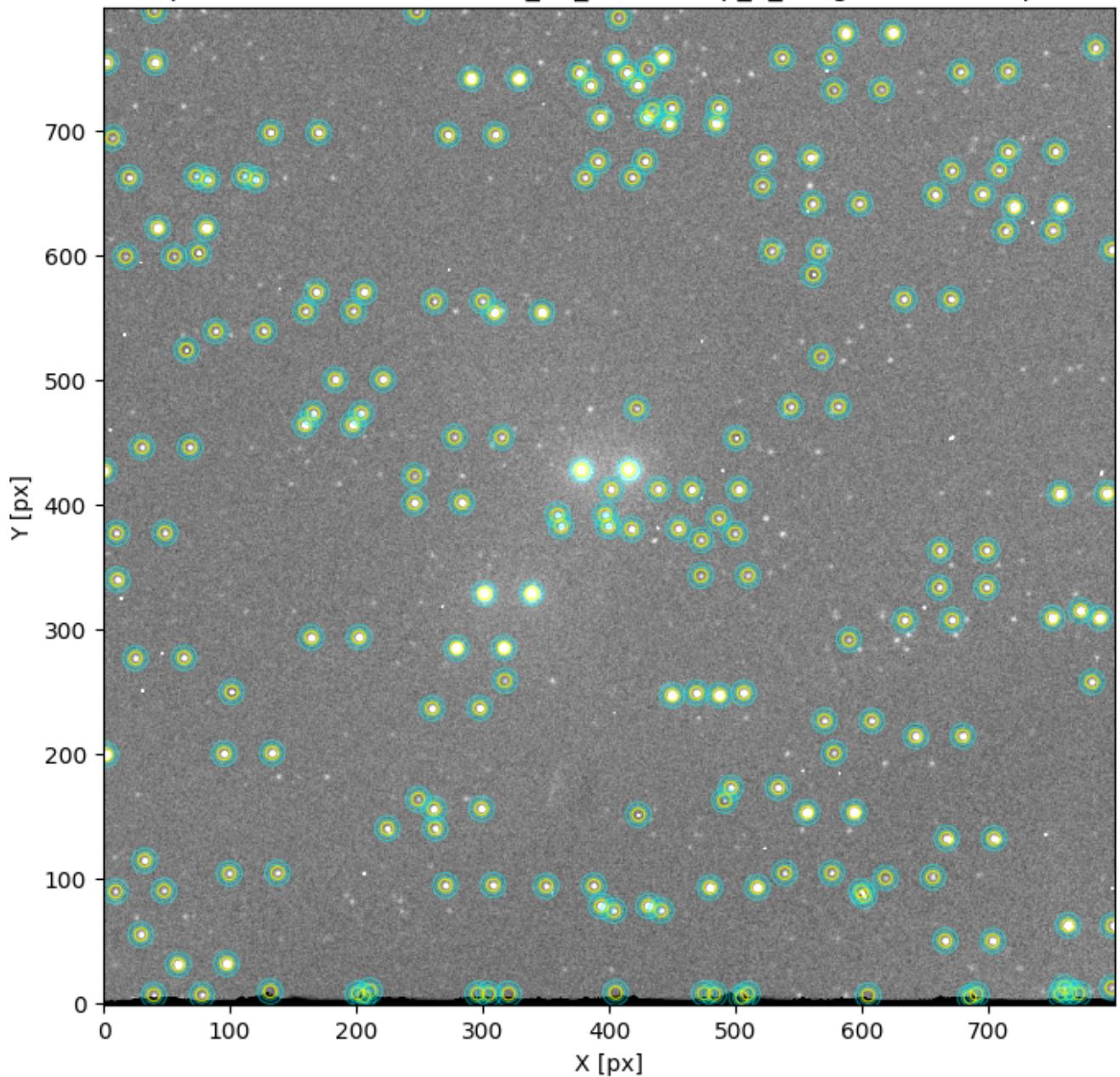
Apertures caf-20230720-22_30_03-sci-blap_b_f.fits ($r=5\text{px}$)



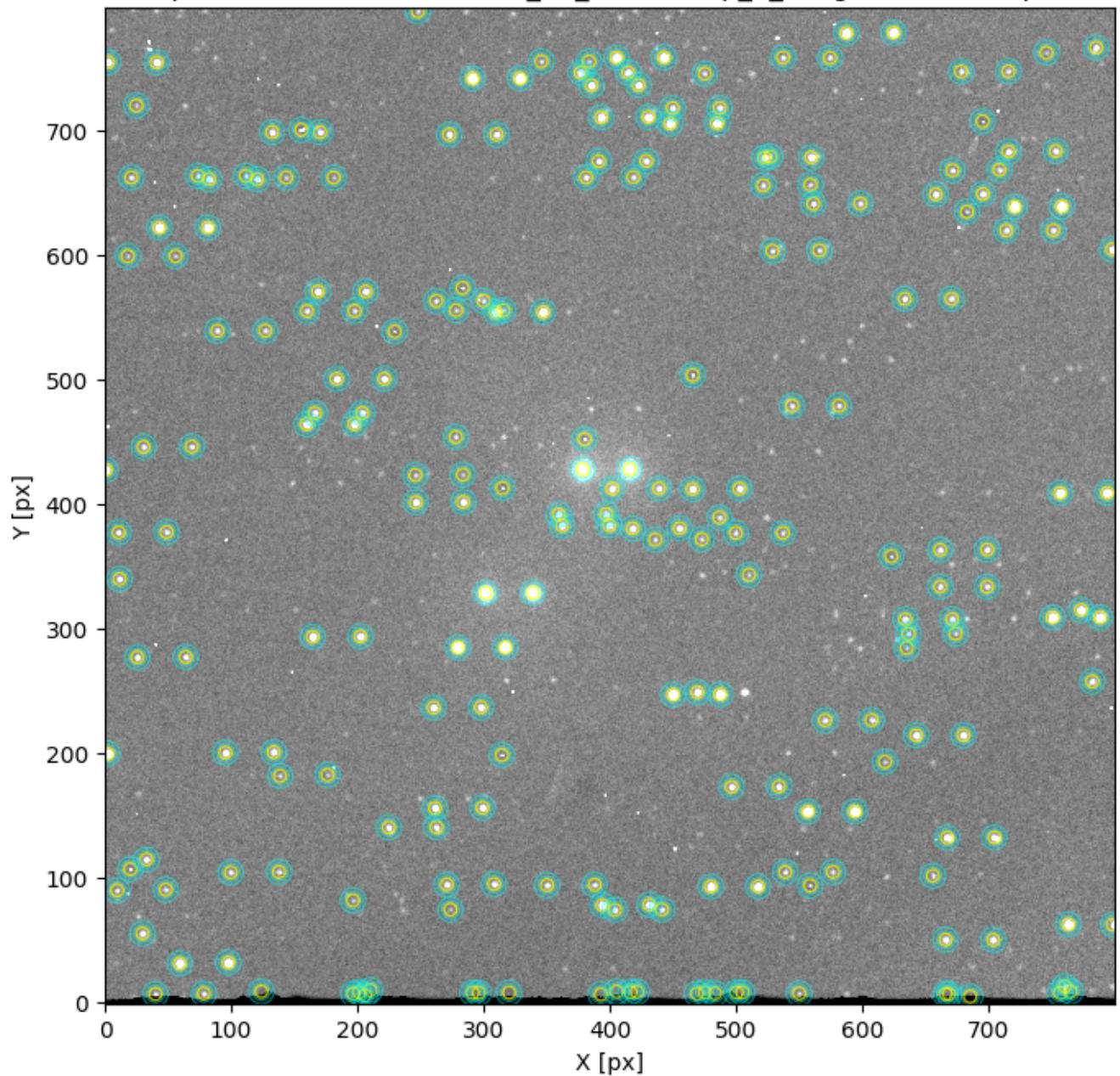
Apertures caf-20230720-22_34_27-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230720-22_38_50-sci-blap_b_f-aligned.fits (r=5px)

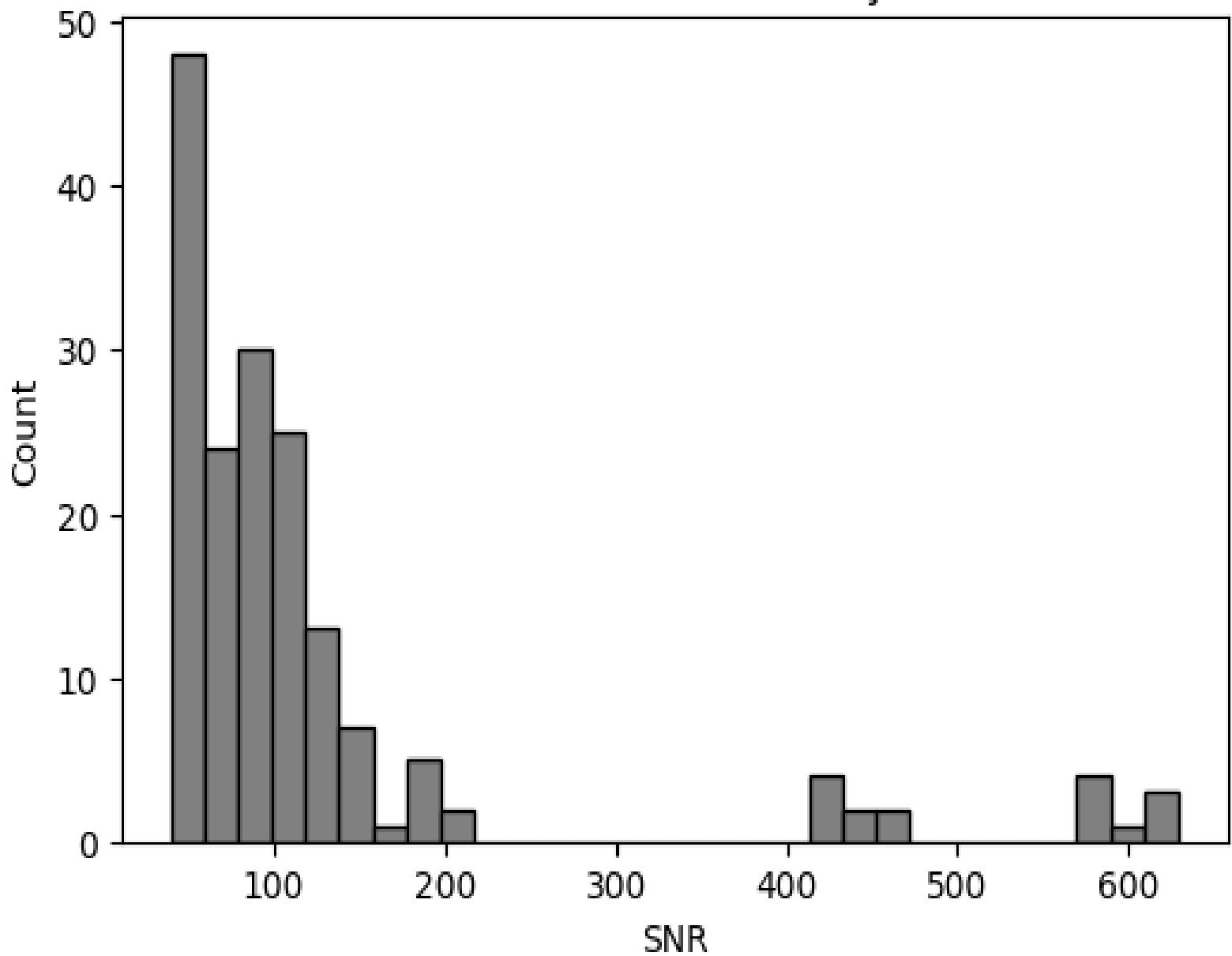


Apertures caf-20230720-22_43_14-sci-blap_b_f-aligned.fits (r=5px)

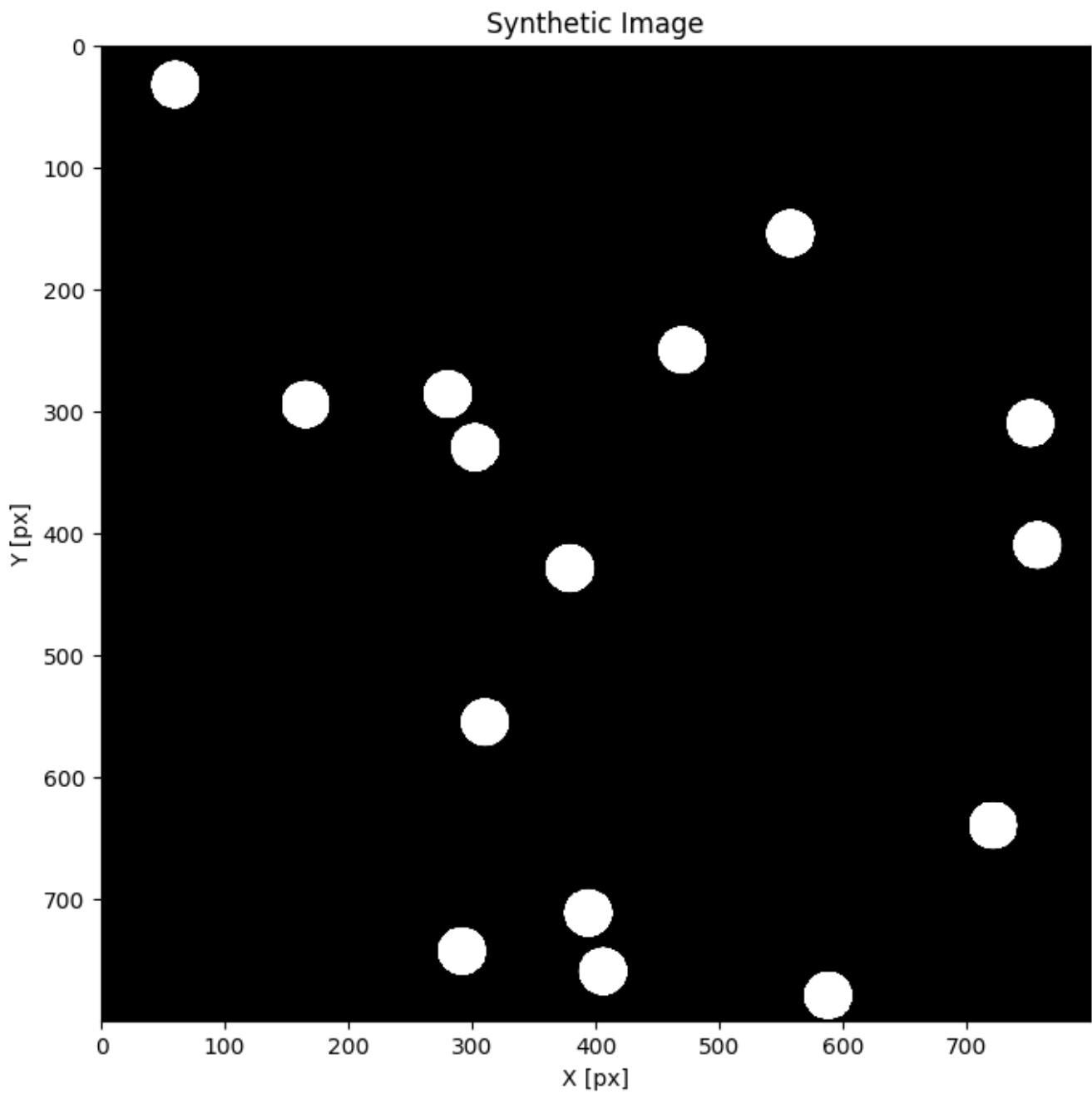


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



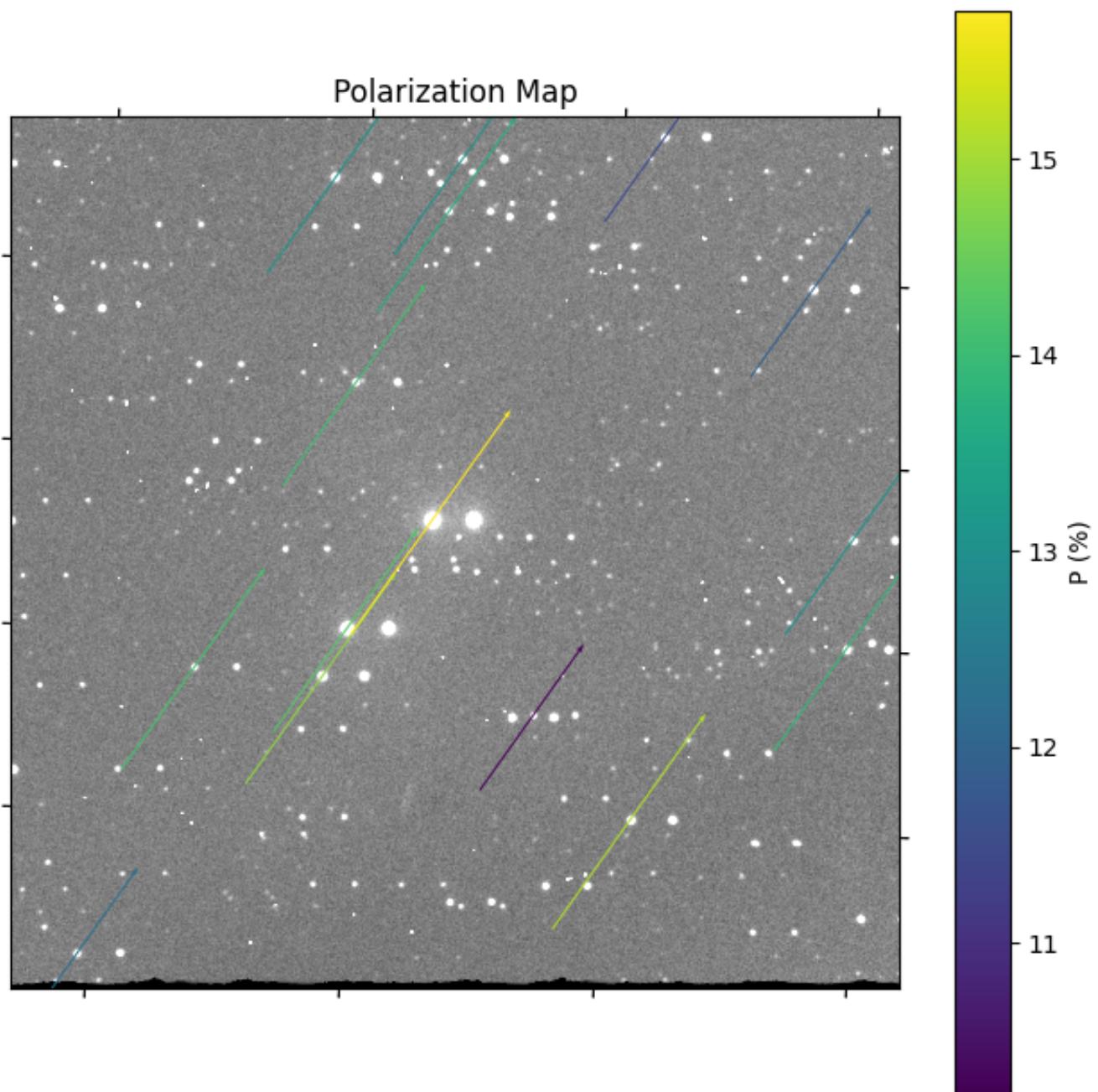
5. Astrometría — Imagen sintética



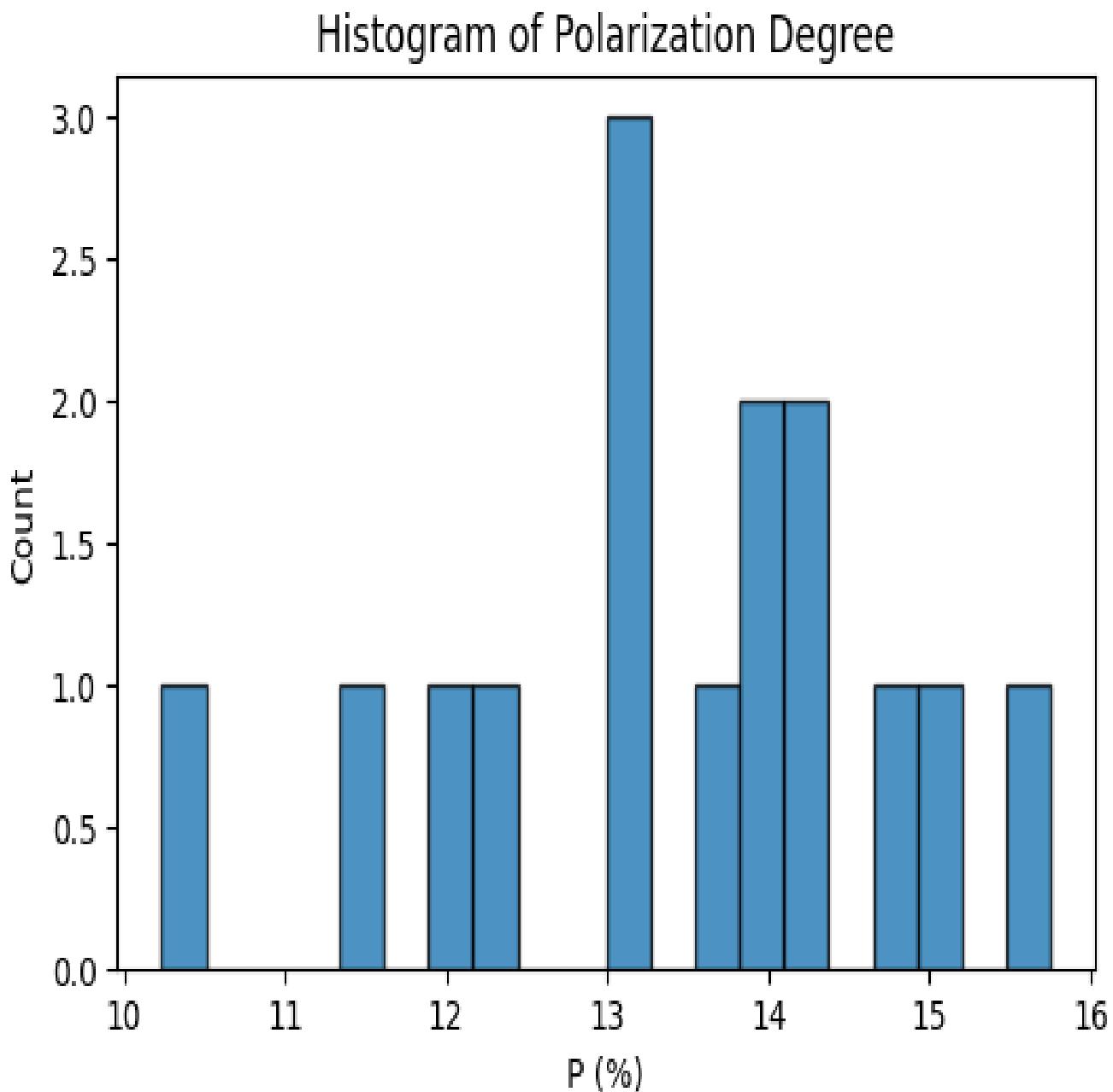
5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
0	278.305037	-10.634559	No_ID	
13	278.325708	-10.562719	Gaia DR3 4155011255481947264	Star
22	278.339432	-10.576015	Gaia DR2 4155011186762449152	Star
24	278.343767	-10.603905	Gaia DR3 4154999298292954752	Star
25	278.344453	-10.620704	No_ID	
27	278.349916	-10.535224	Gaia DR3 4155013076548080640	Star
28	278.350373	-10.600922	Gaia DR3 4154999328346069632	Star
39	278.364798	-10.534901	No_ID	
42	278.365511	-10.590278	ATO J278.3657-10.5901	HighMassXBin
50	278.383928	-10.600974	Gaia DR3 4155000638322721664	Star
57	278.398770	-10.541370	Gaia DR2 4155001458649122304	Star
71	278.407652	-10.589606	Gaia DR2 4155000668375096320	Star
74	278.411774	-10.604658	No_ID	
80	278.414847	-10.588090	No_ID	
82	278.418789	-10.561588	Gaia DR2 4155000810121416704	Star

6. Polarimetría — Mapa de polarización

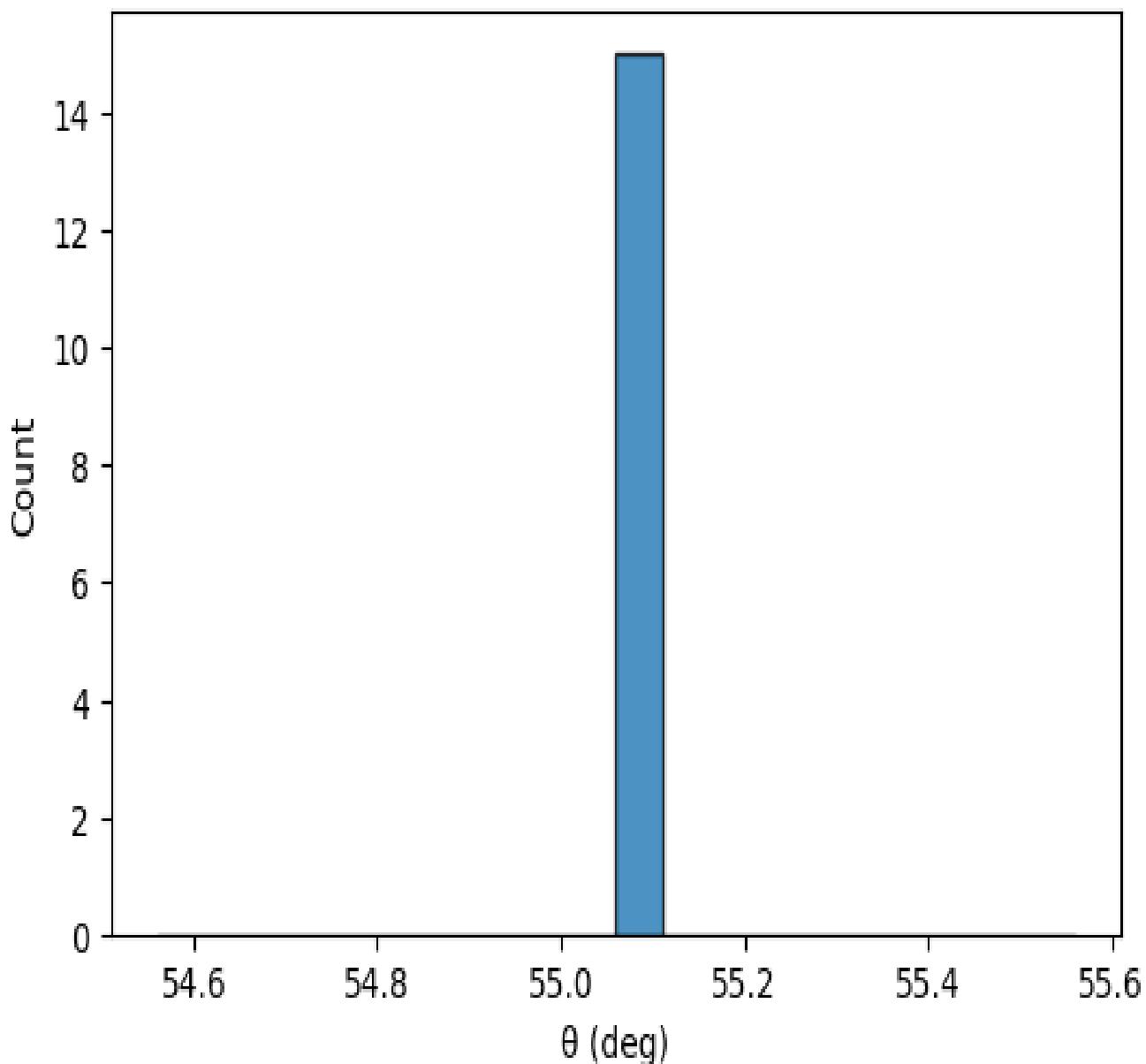


6. Polarimetría — Histograma de P

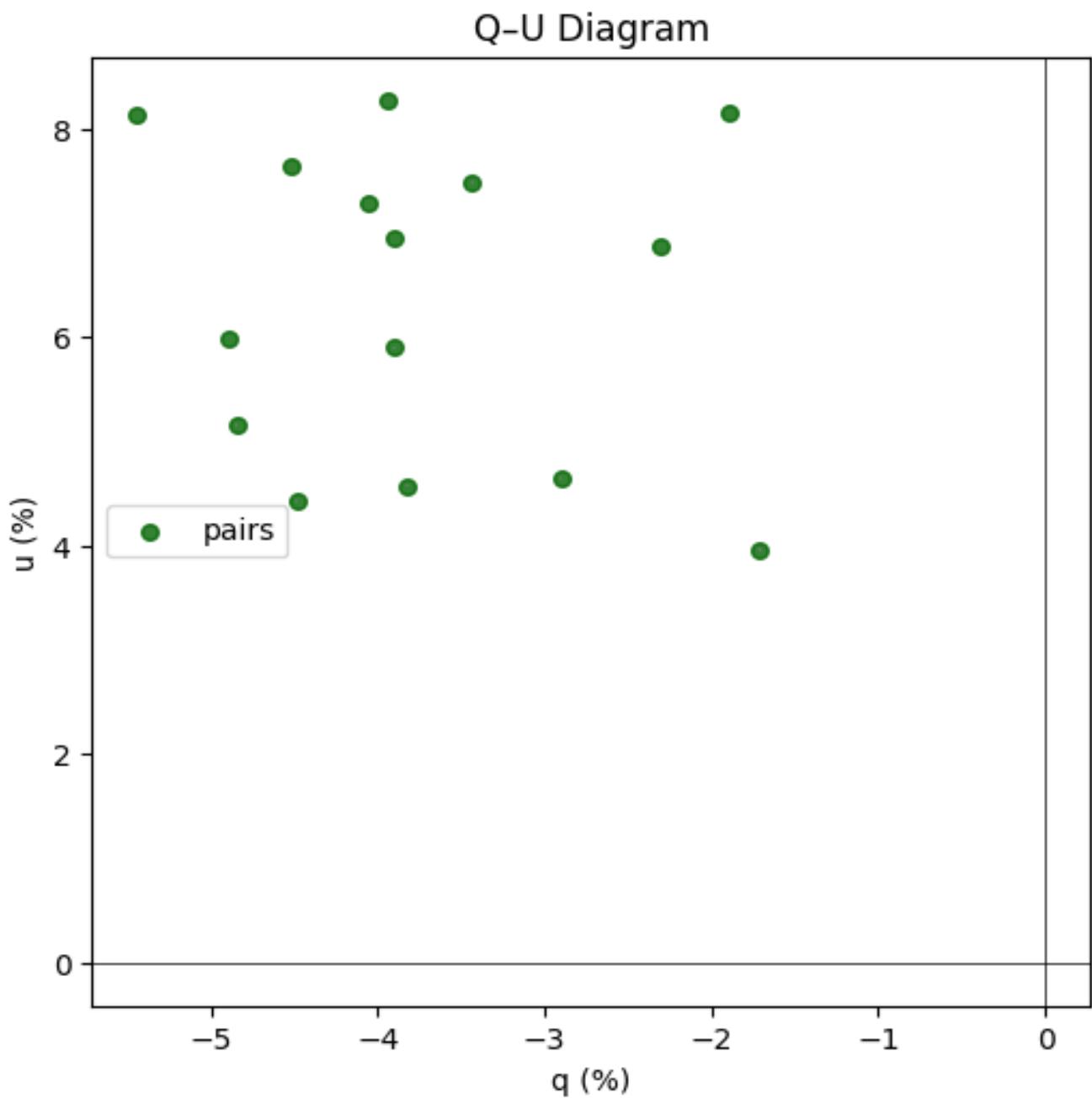


6. Polarimetría — Histograma de θ

Histogram of Polarization Angle



6. Polarimetría — Diagrama Q–U



6. Polarimetría — Estimación Interestelar (ISM)

Comp.	Q mean \pm Q σ	Q weight	U mean \pm U σ	U weight
0	-4.303 \pm 0.647	0.7417596750436547	7.643 \pm 0.521	0.7142857178554796
1	-2.580 \pm 0.296	0.2582403249563453	4.610 \pm 0.034	0.2857142821445205

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.

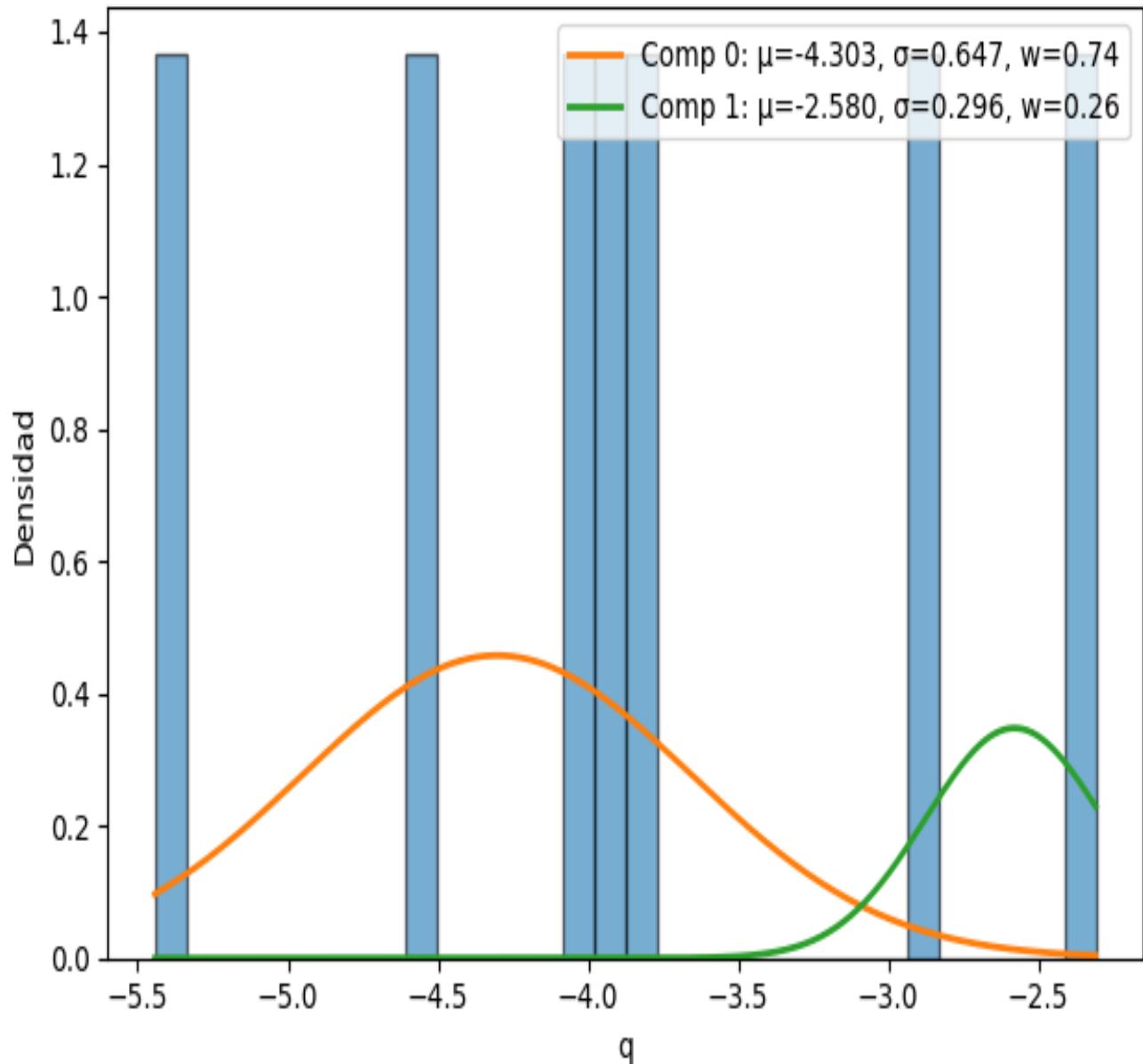
U sigmas: desviaciones estándar (σ) de los componentes gaussianos ajustados a u.

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

Histograma de u con ajuste GMM

