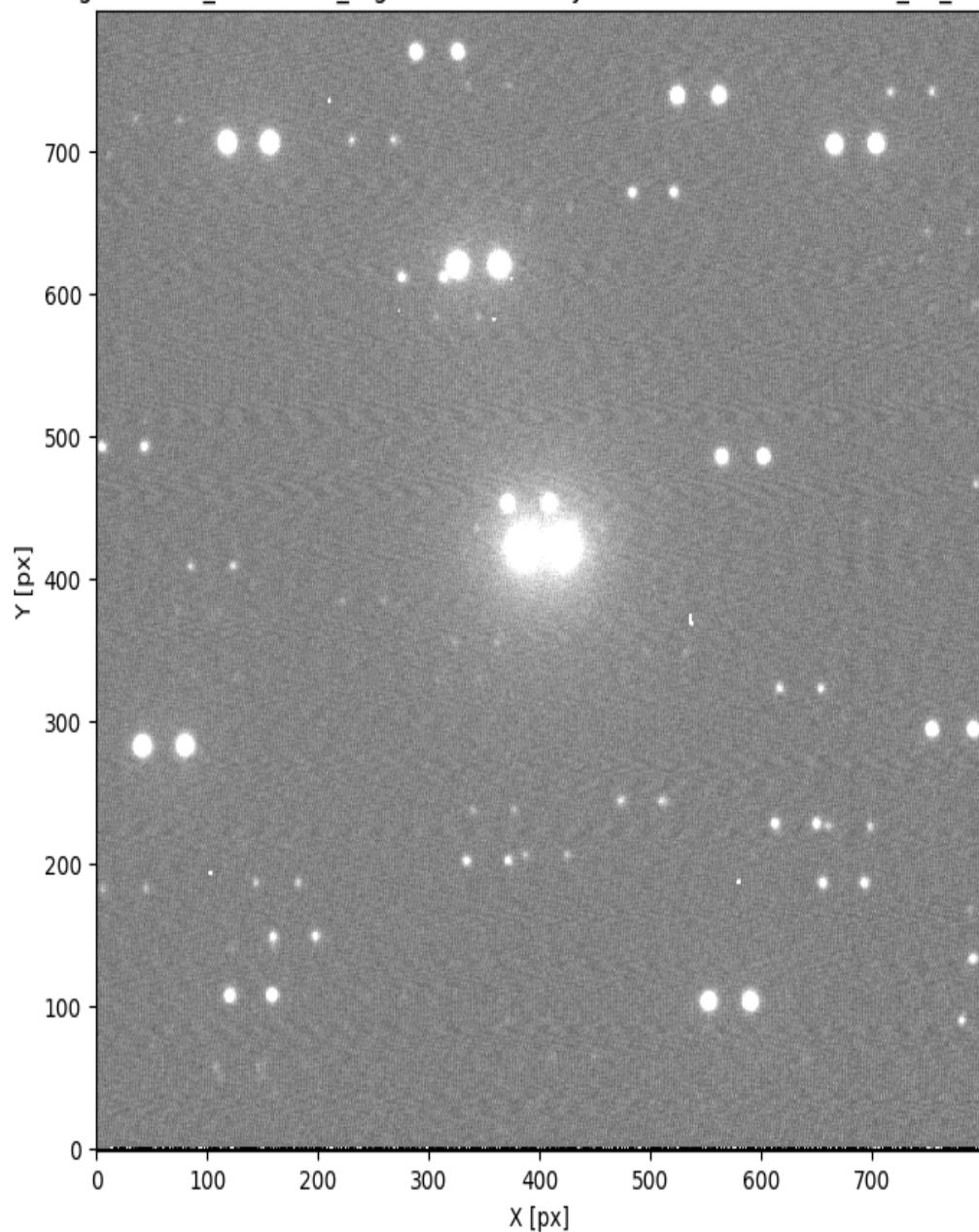
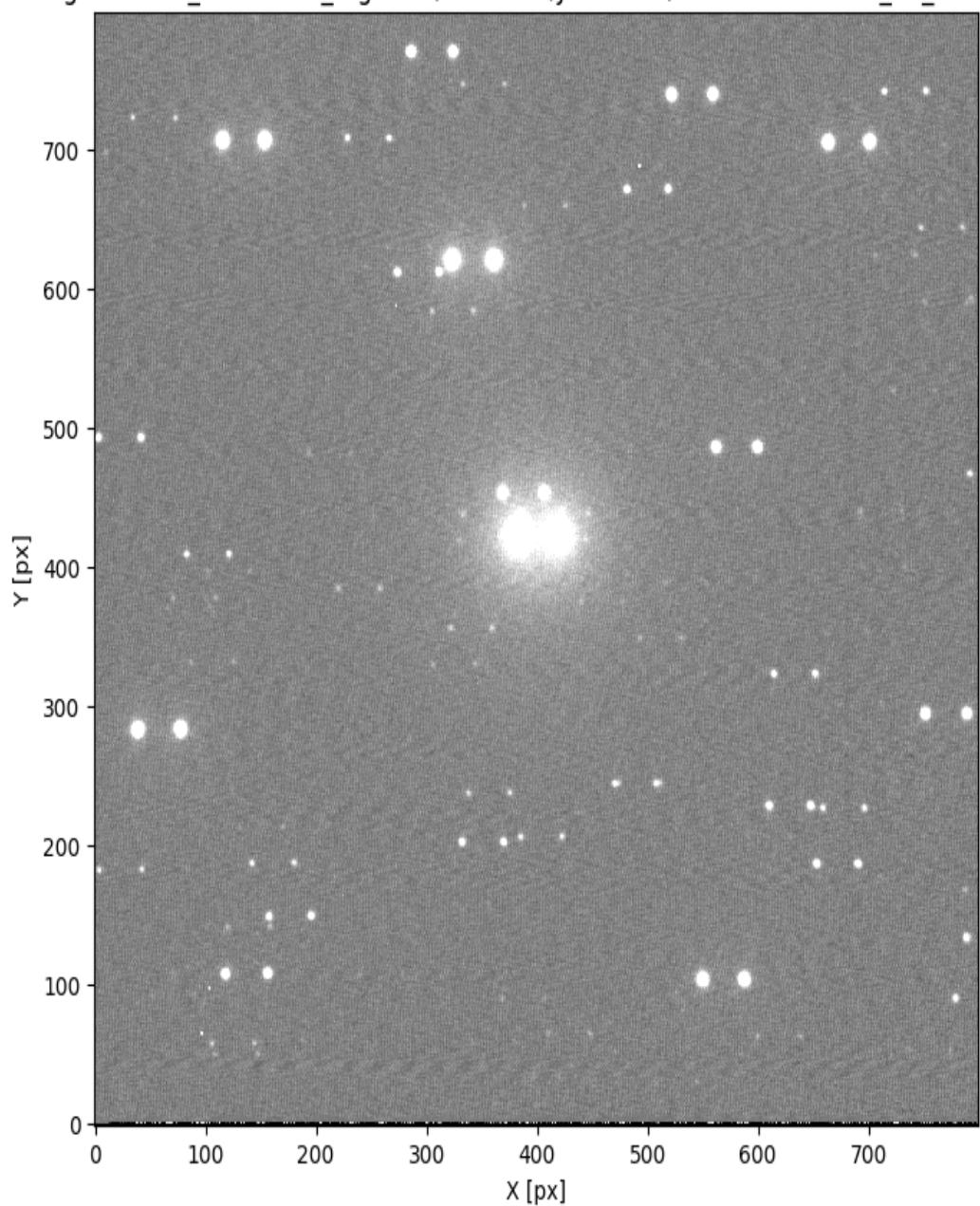


1. Imágenes originales

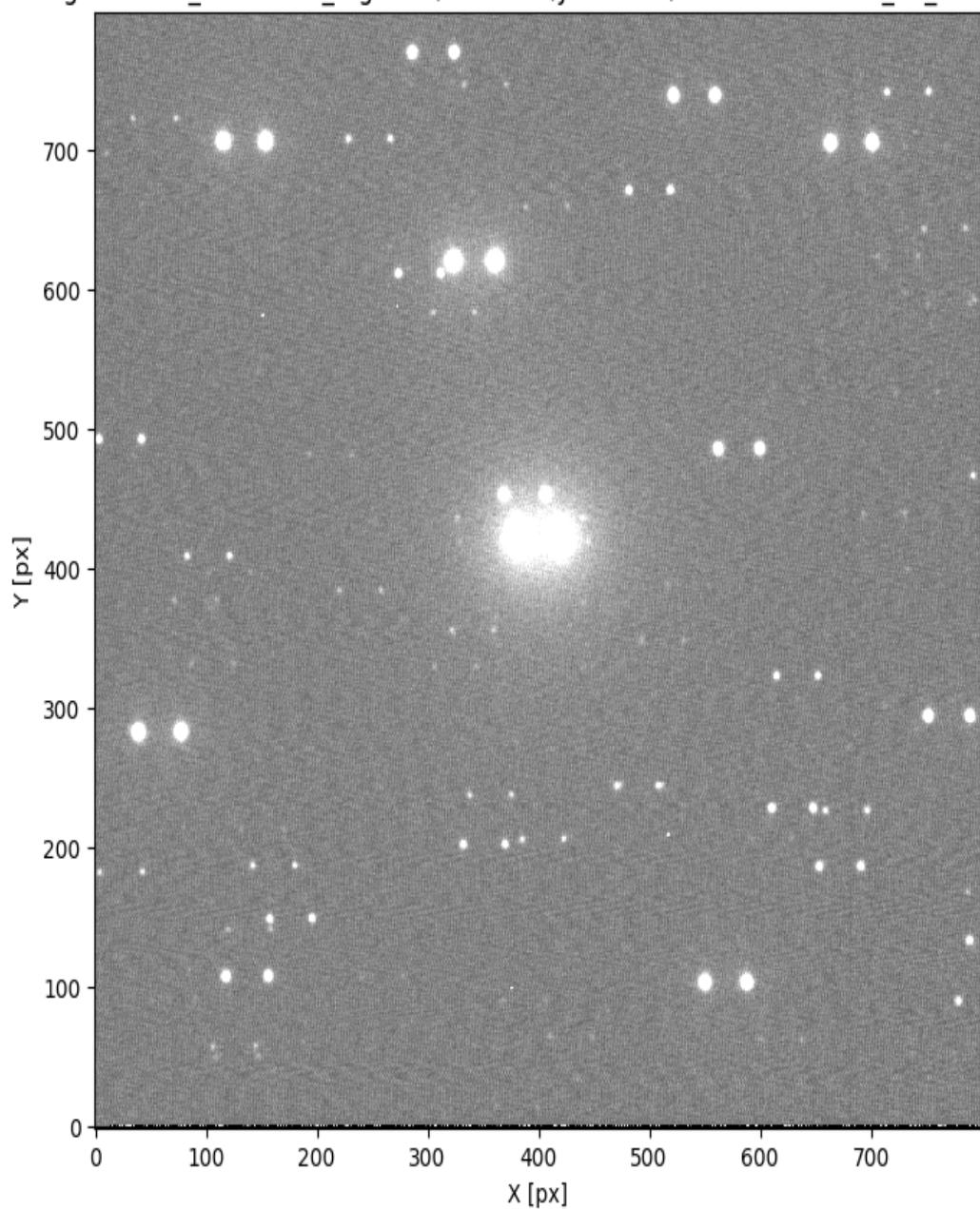
Reference Image noche1_20230720_organize/MWC656/JohnsonB/caf-20230721-02_35_31-sci-blap_b_f.fits



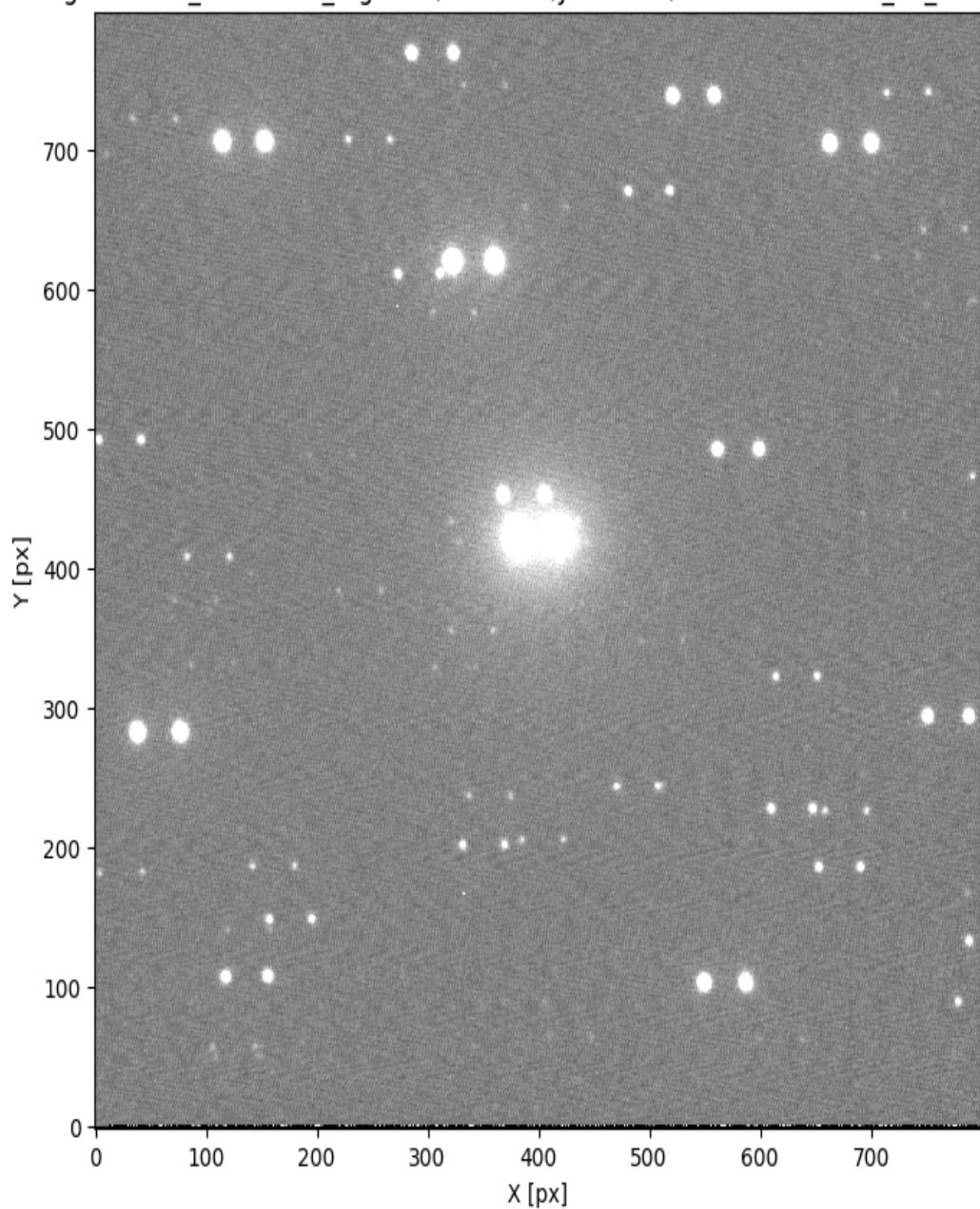
Original Image noche1_20230720_organize/MWC656/JohnsonB/caf-20230721-02_36_20-sci-blap_b_f.fits



Original Image noche1_20230720_organize/MWC656/JohnsonB/caf-20230721-02_37_09-sci-blap_b_f.fits

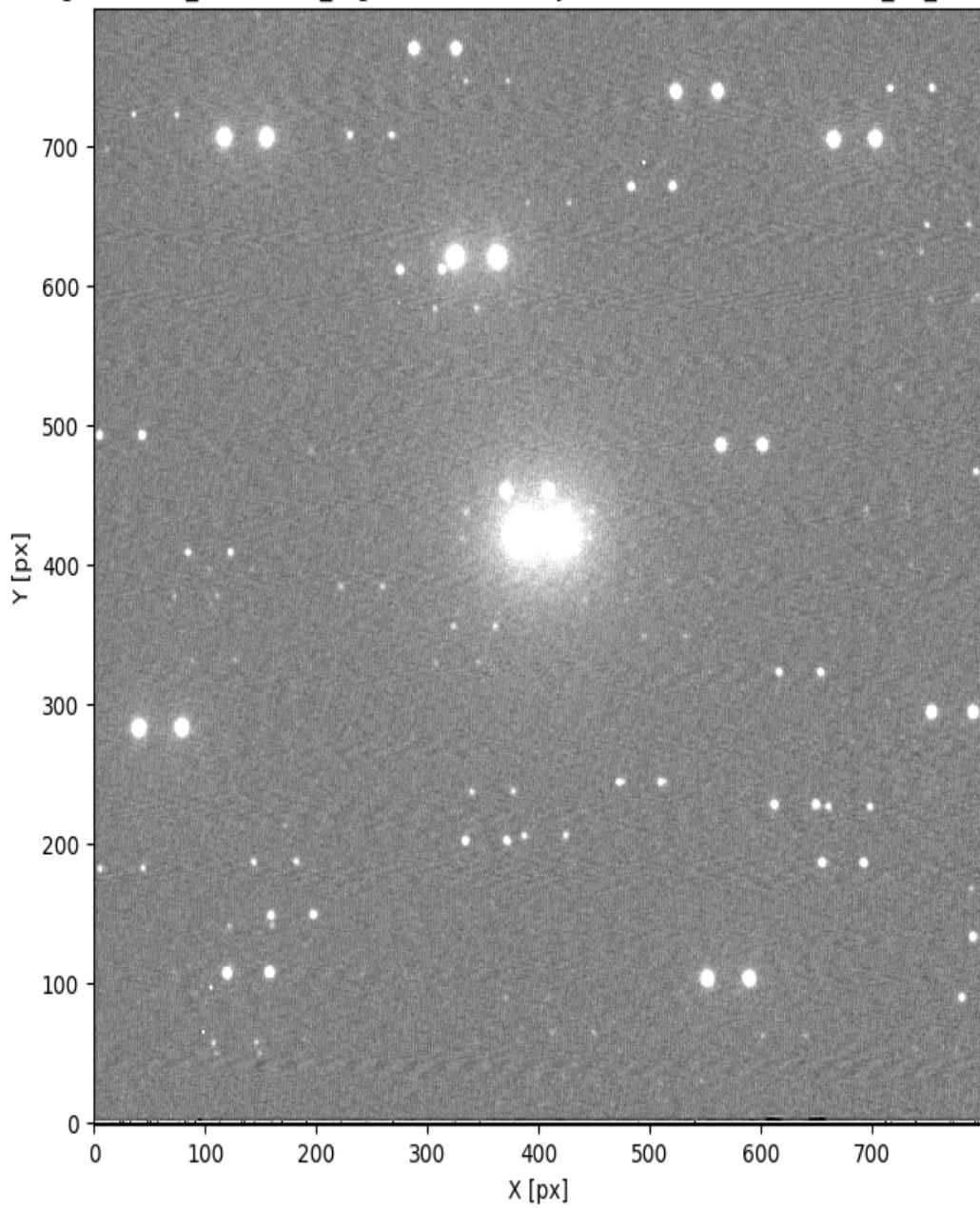


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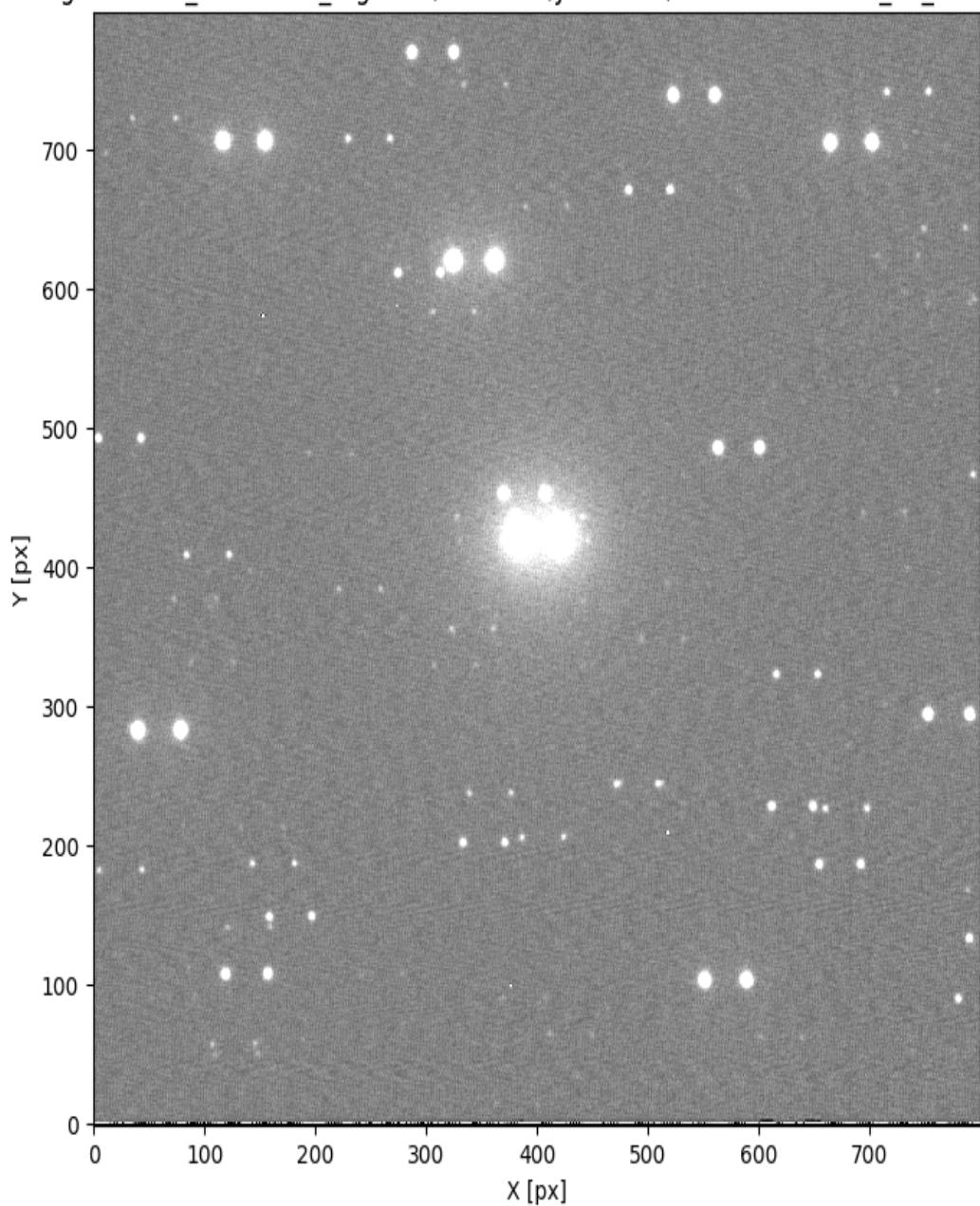


2. Imágenes alineadas

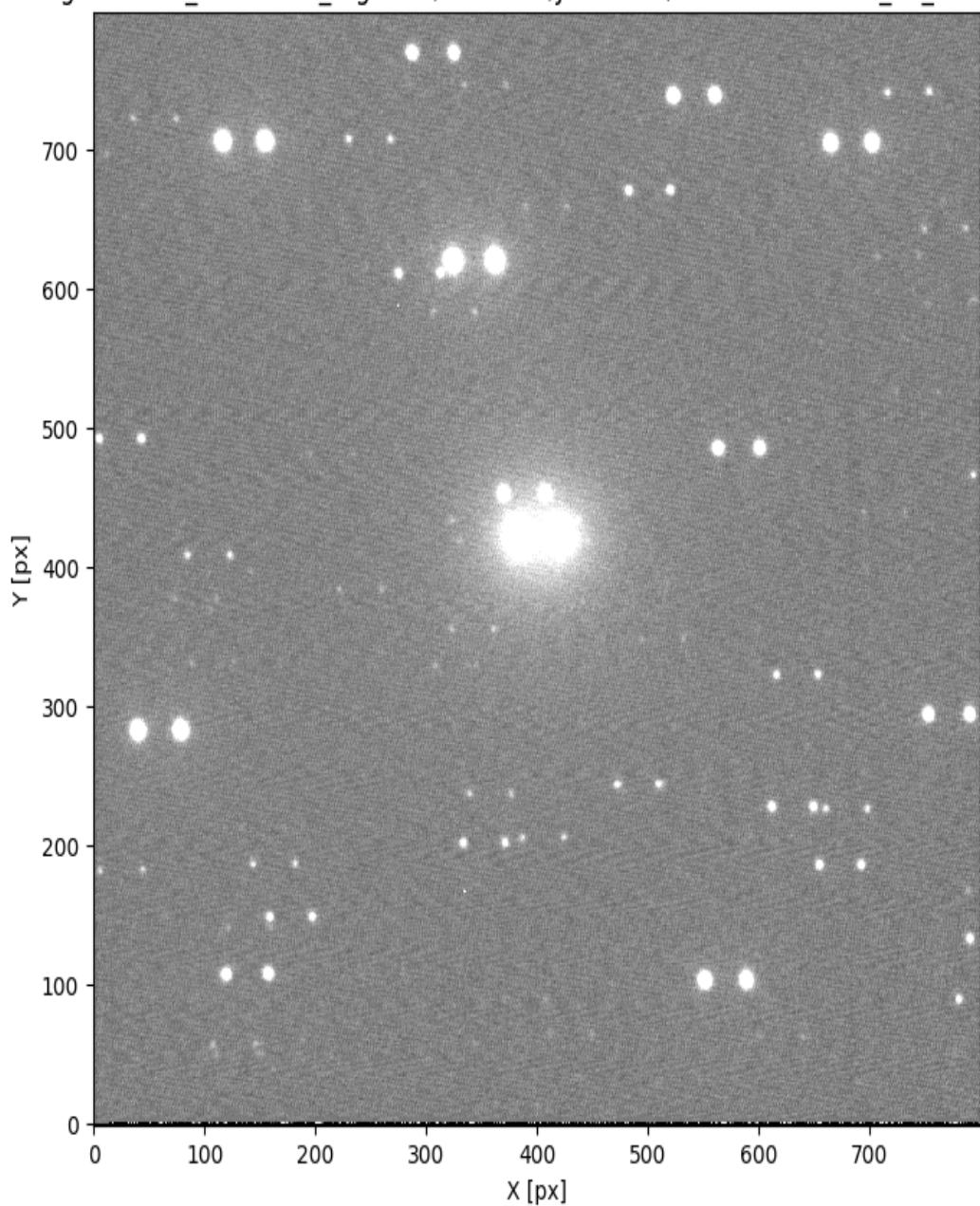
Aligned Image noche1_20230720_organize/MWC656/JohnsonB/caf-20230721-02_36_20-sci-blap_b_f.fits



Aligned Image noche1_20230720_organize/MWC656/JohnsonB/caf-20230721-02_37_09-sci-blap_b_f.fits

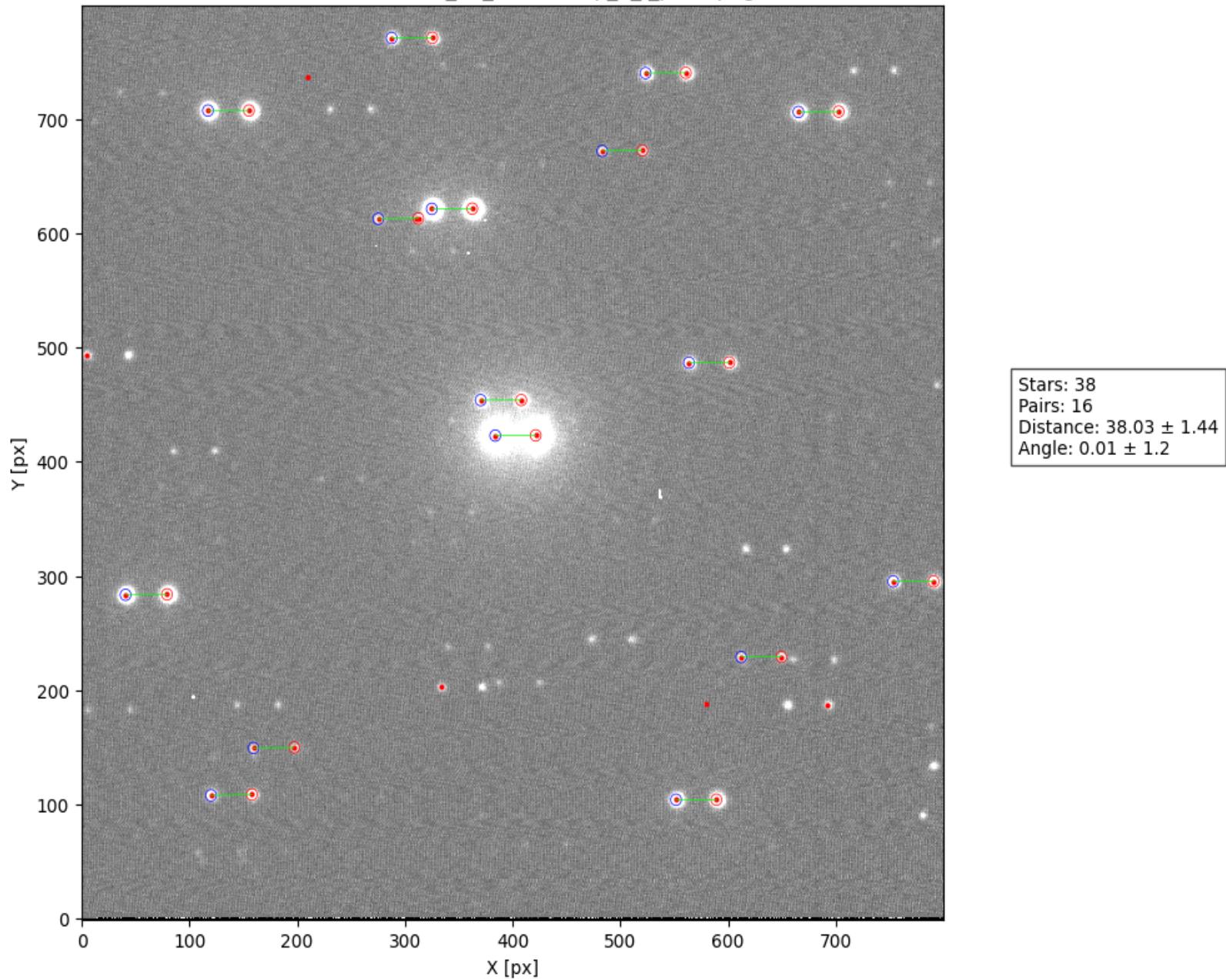


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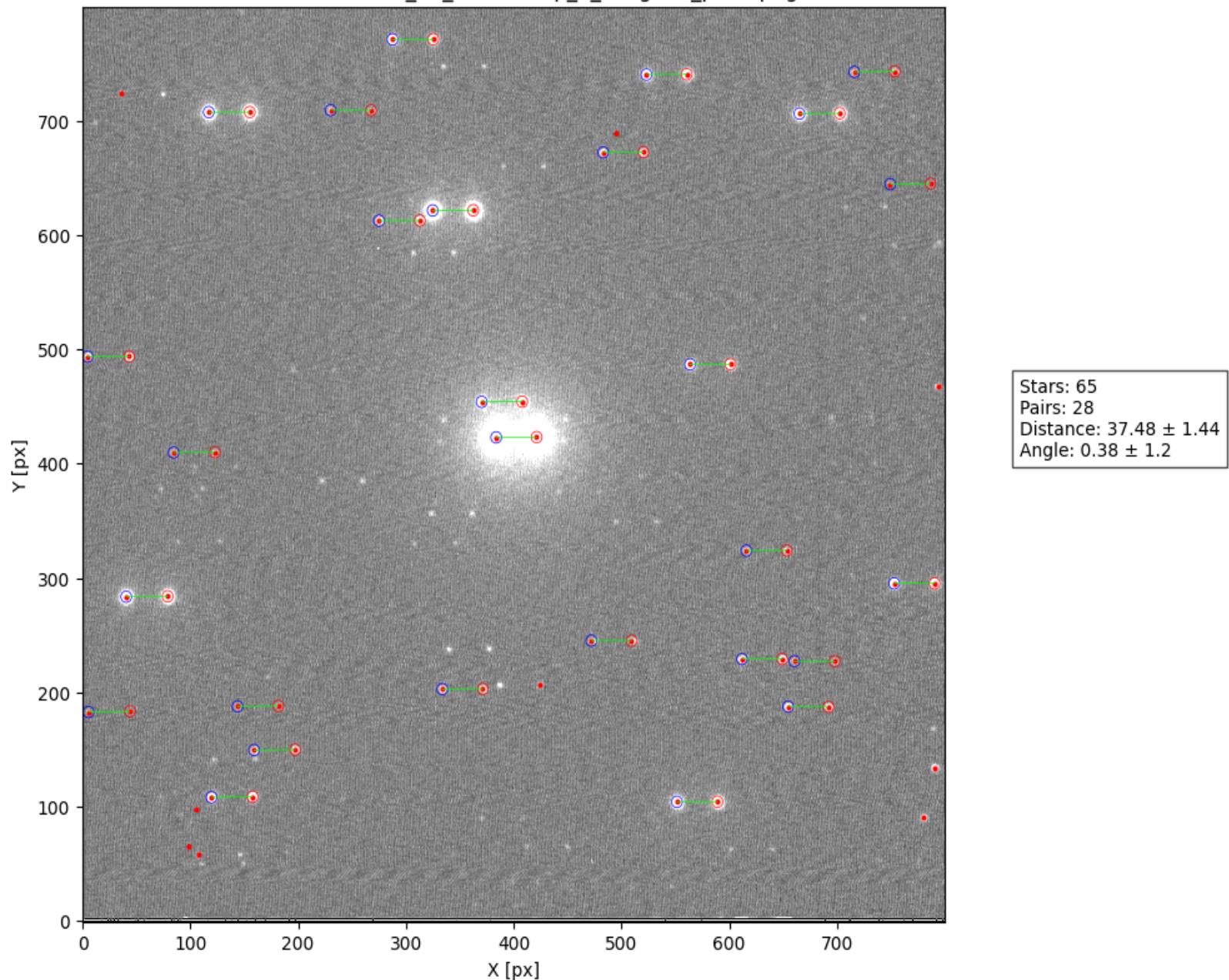


3. Imágenes con pares identificados

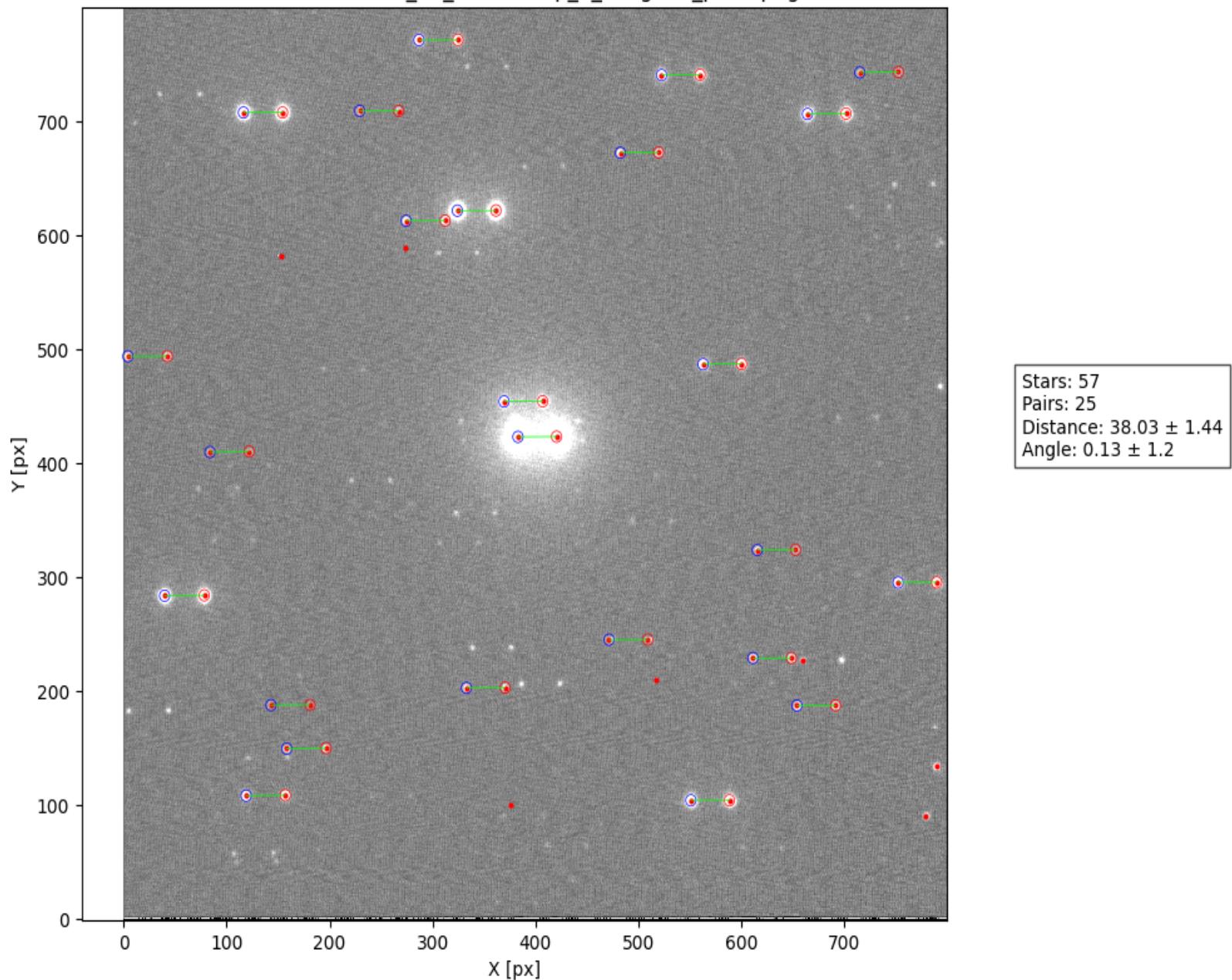
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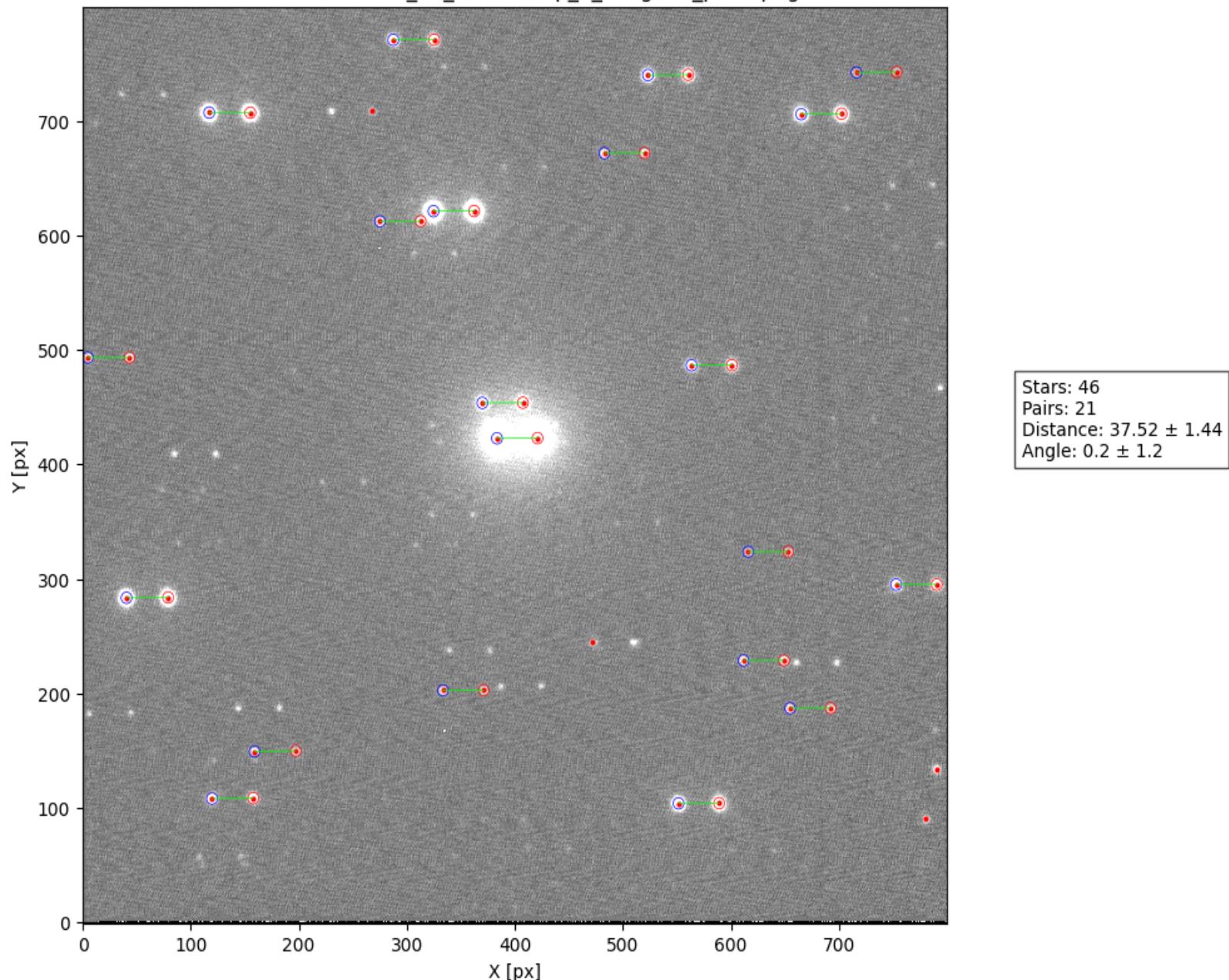
caf-20230721-02_36_20-sci-blap_b_f-aligned_pairs.png



caf-20230721-02_37_09-sci-blap_b_f-aligned_pairs.png

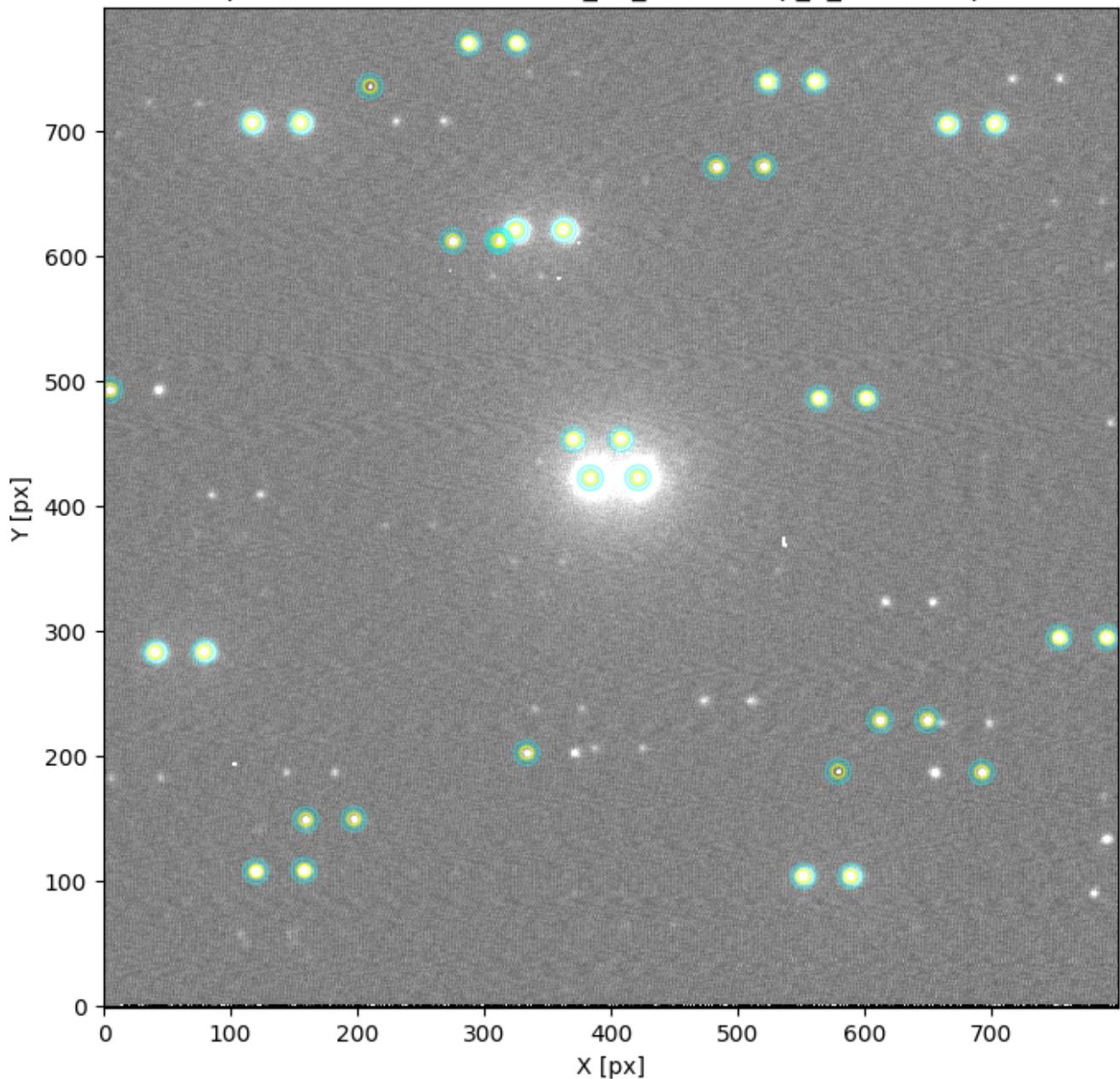


caf-20230721-02_37_57-sci-blap_b_f-aligned_pairs.png

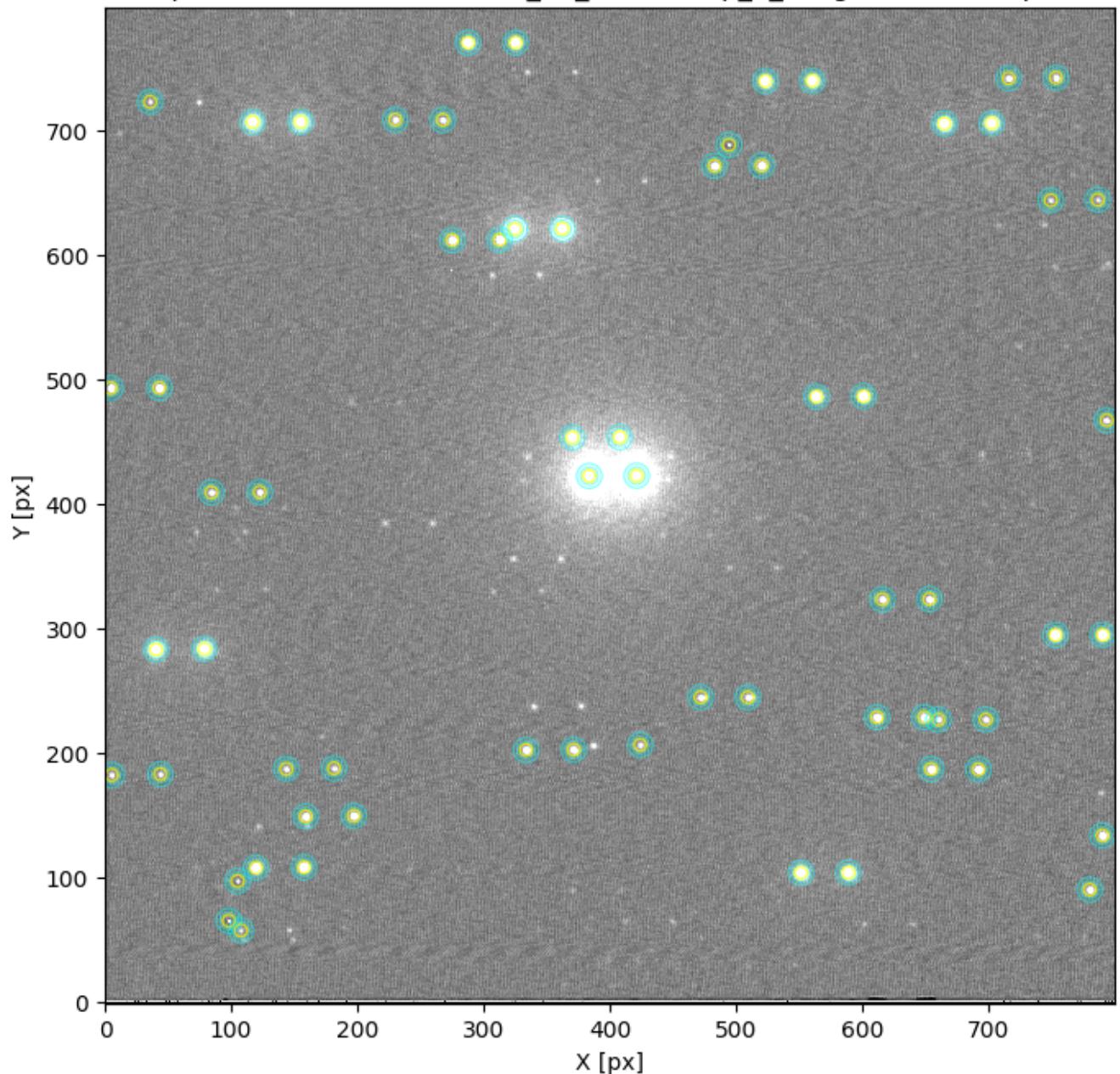


4. Fotometría — Aperturas

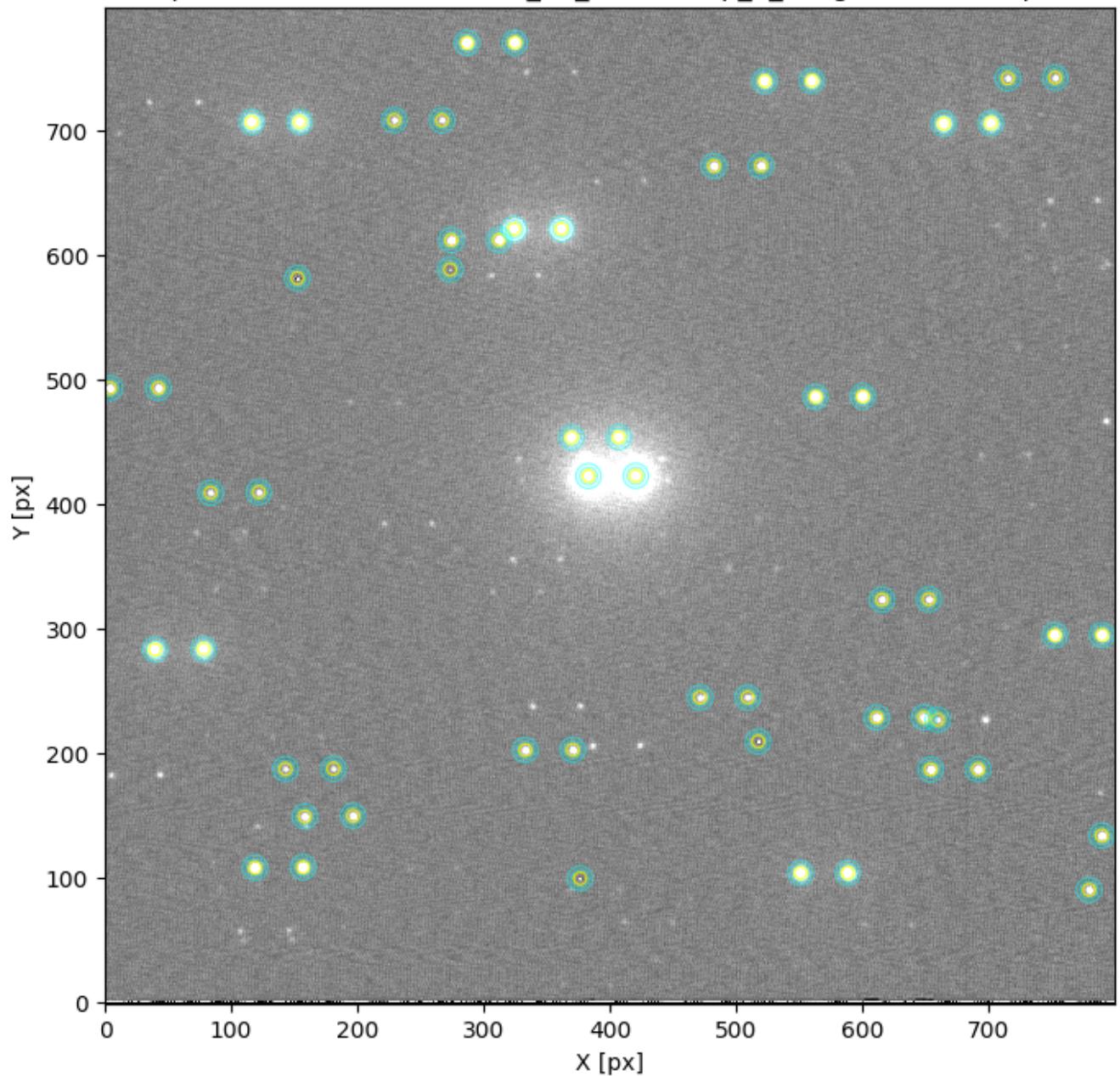
Apertures caf-20230721-02_35_31-sci-blap_b_f.fits ($r=5\text{px}$)



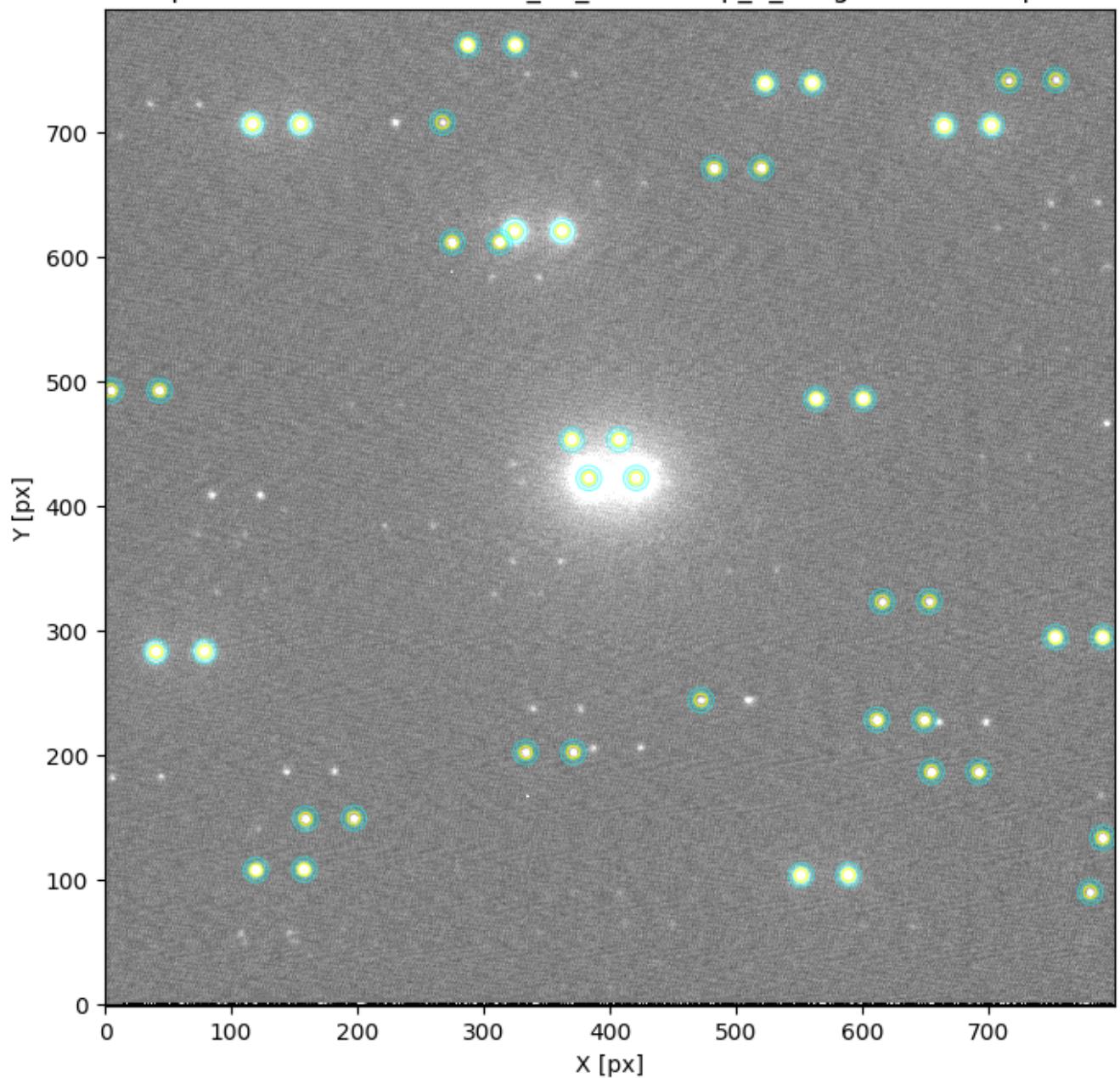
Apertures caf-20230721-02_36_20-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230721-02_37_09-sci-blap_b_f-aligned.fits (r=5px)

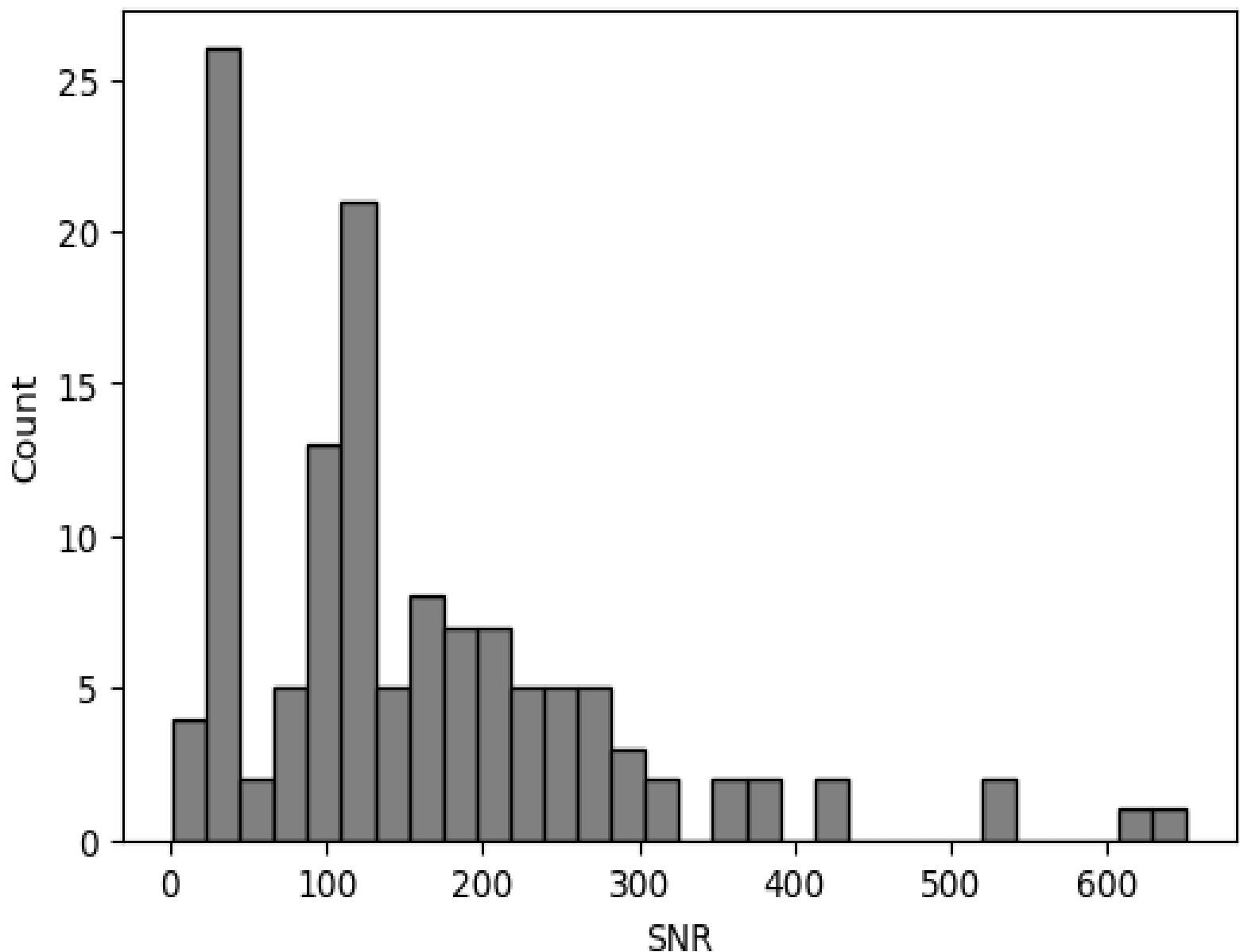


Apertures caf-20230721-02_37_57-sci-blap_b_f-aligned.fits (r=5px)

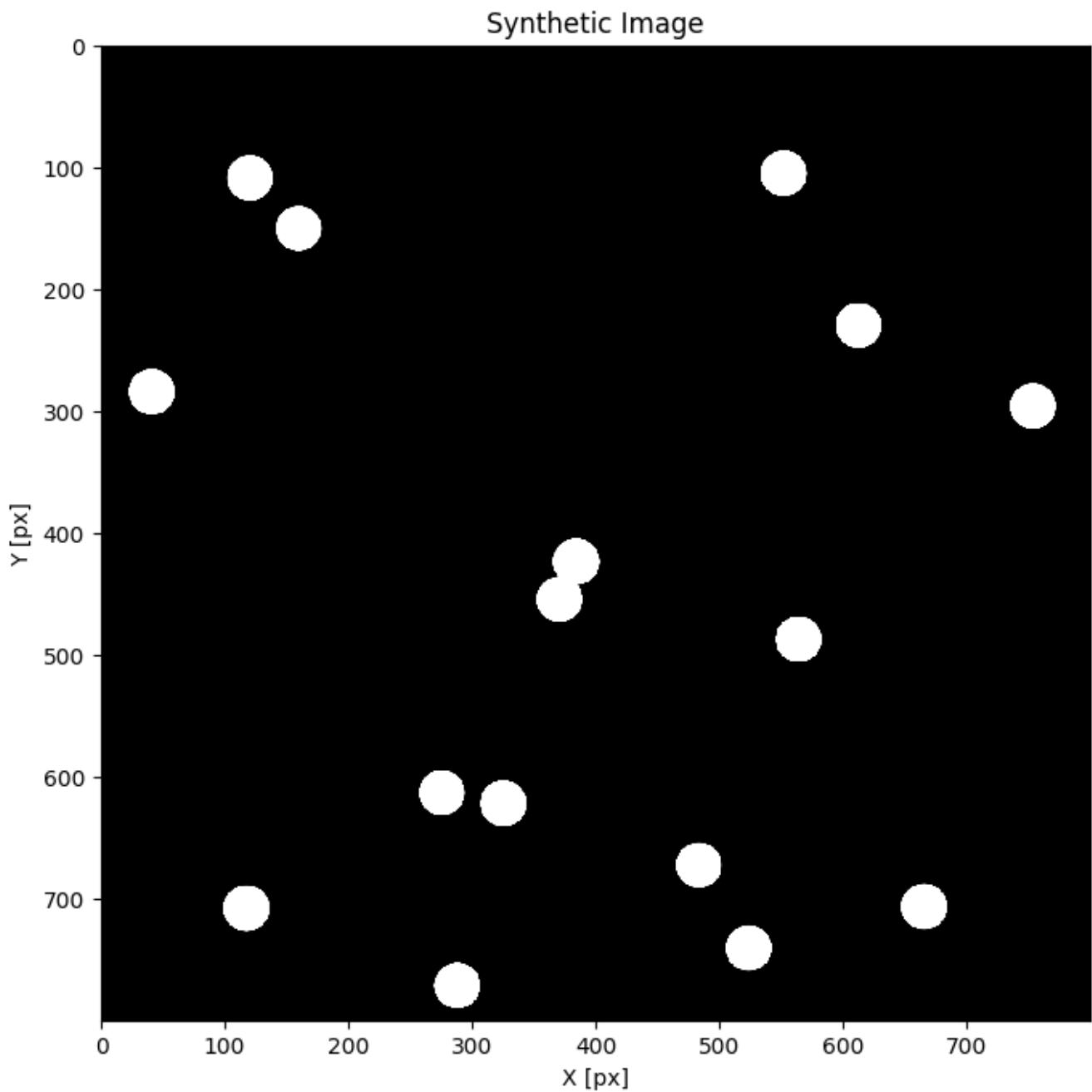


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



5. Astrometría — Imagen sintética



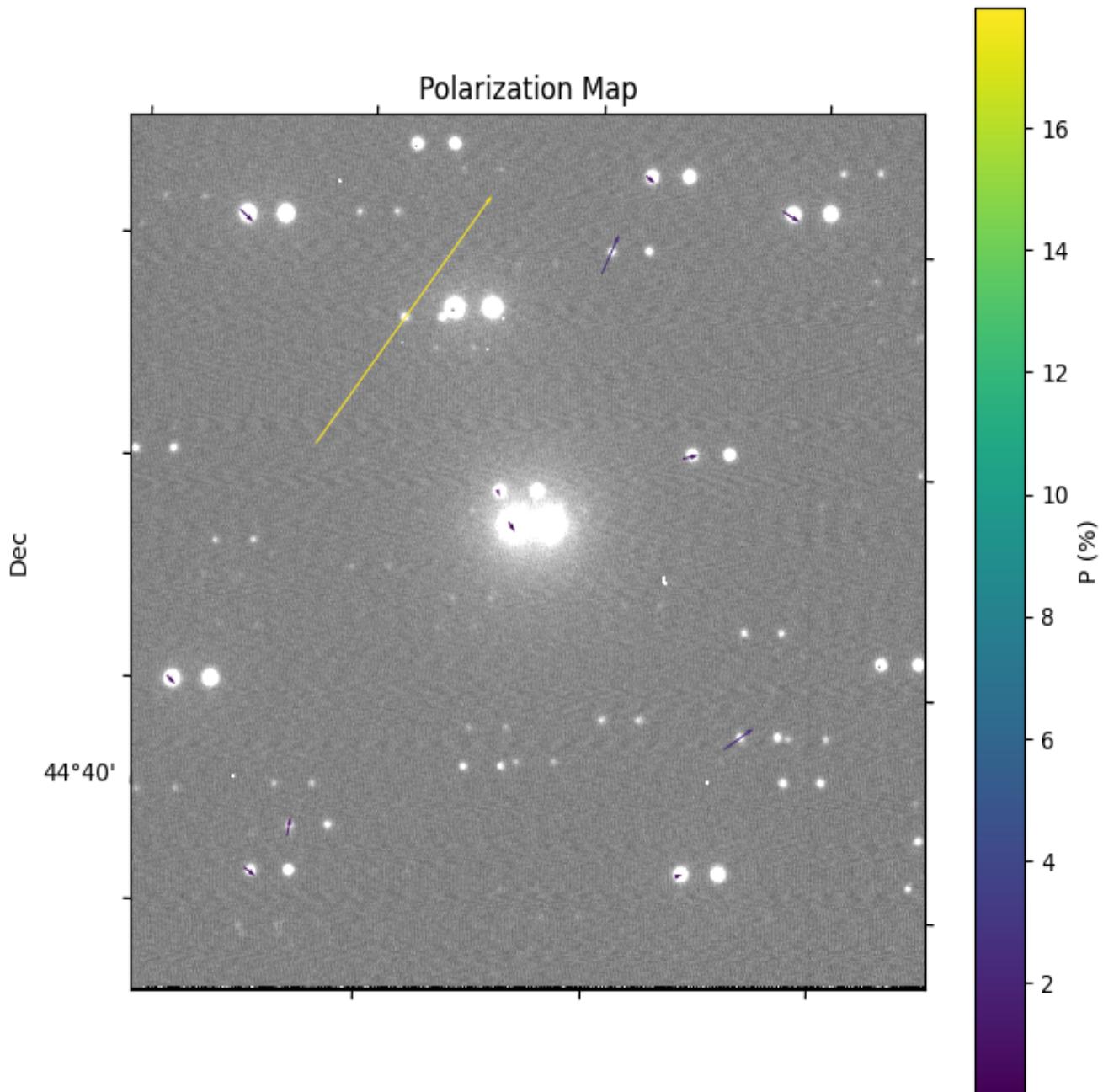
5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
0	340.674112	44.747565	TYC 3226-1106-1	gammaDorV*
1	340.672192	44.684514	No_ID	
2	340.680945	44.690088	No_ID	
3	340.700166	44.755836	No_ID	
4	340.707682	44.672138	TYC 3226-1350-1	Star
5	340.714666	44.776131	TYC 3226-999-1	Star
6	340.738536	44.721608	HD 215227	HighMassXBin
7	340.744822	44.719492	Gaia DR3 1982359580155628672	PulsV*
8	340.752833	44.747567	No_ID	
9	340.776799	44.704859	BD+43 4280	Star
10	340.778925	44.712075	BD+43 4280	Star
11	340.790415	44.734922	No_ID	
12	340.798674	44.761352	TYC 3226-1049-1	Star
13	340.795172	44.681322	TYC 3226-1319-1	Star
14	340.804711	44.740481	TYC 3226-1125-1	Star
15	340.809399	44.705918	TYC 3226-1245-1	Star

6. Polarimetría — Estimación Interestelar (ISM)

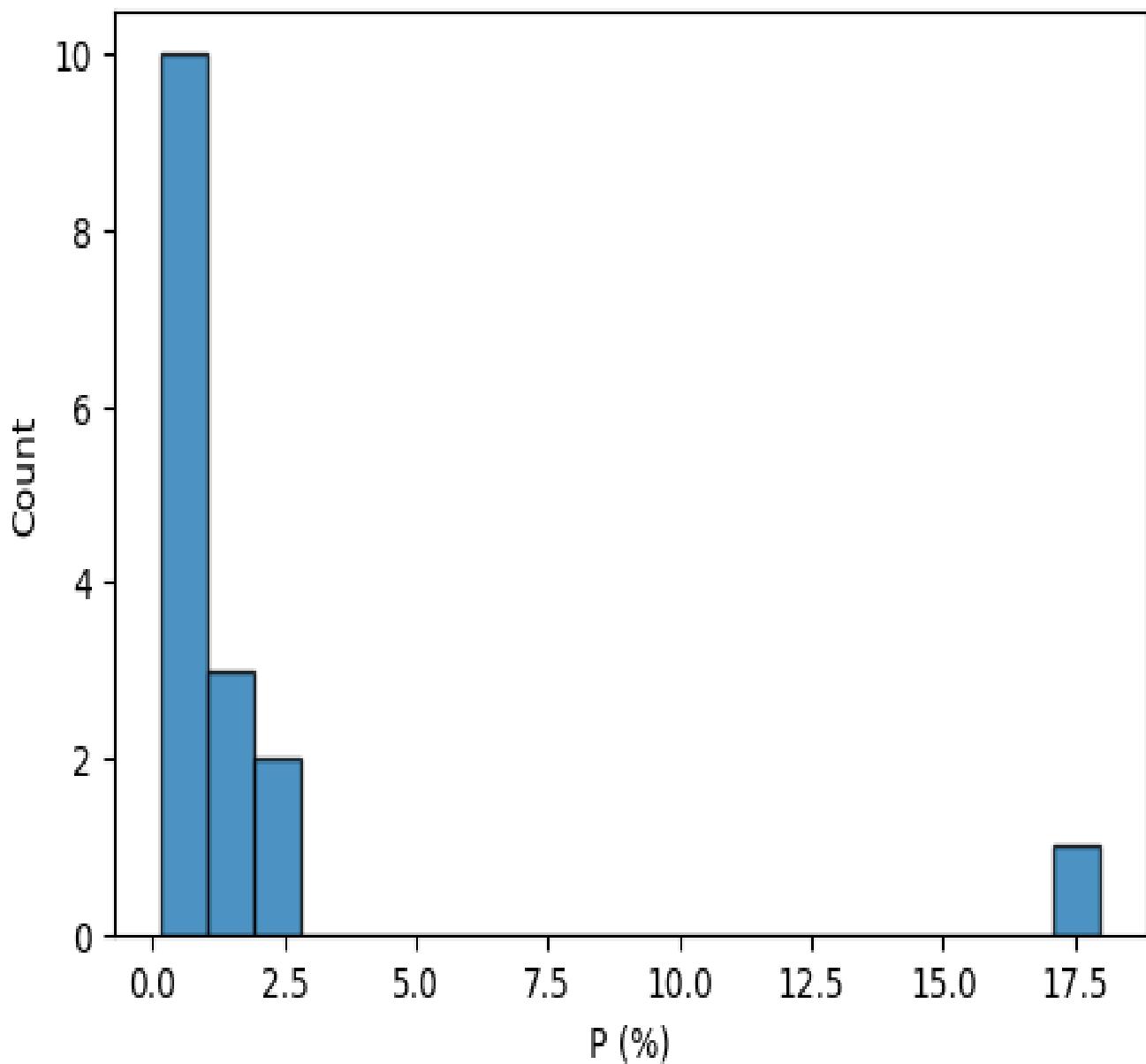
Comp.	Q mean	Q σ	Q weight	U mean	U σ	U weight	Dominante Q	Dominante U
0	0.253	0.200	0.76	0.006	0.231	0.37	✓	
1	-0.251	0.031	0.24	-0.843	0.190	0.63		✓

6. Polarimetría — Mapa de polarización



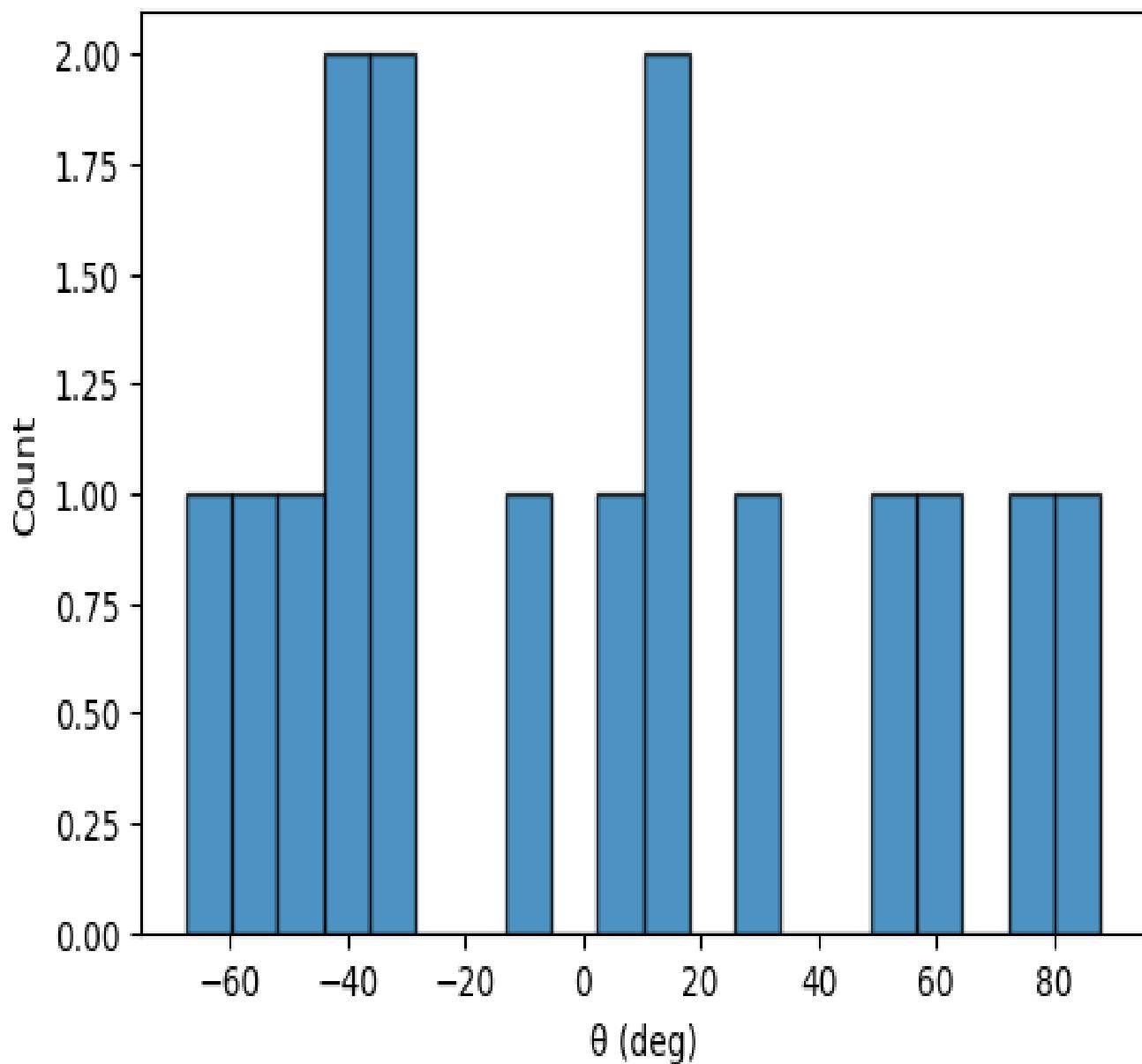
6. Polarimetría — Histograma de P

Histogram of Polarization Degree

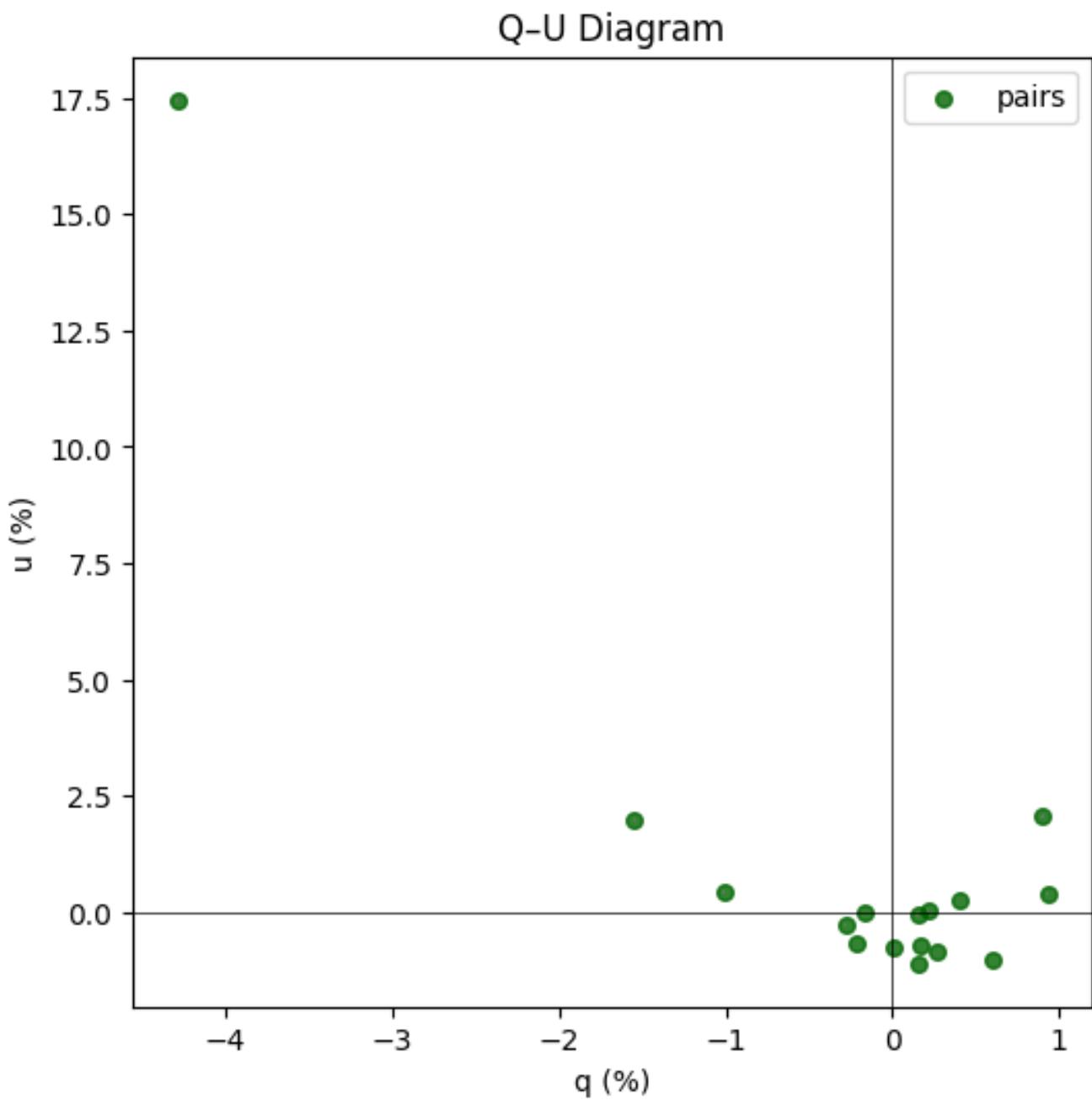


6. Polarimetría — Histograma de θ

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
1	-0.251	0.031	0.24	-0.843	0.190	0.63		✓

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.

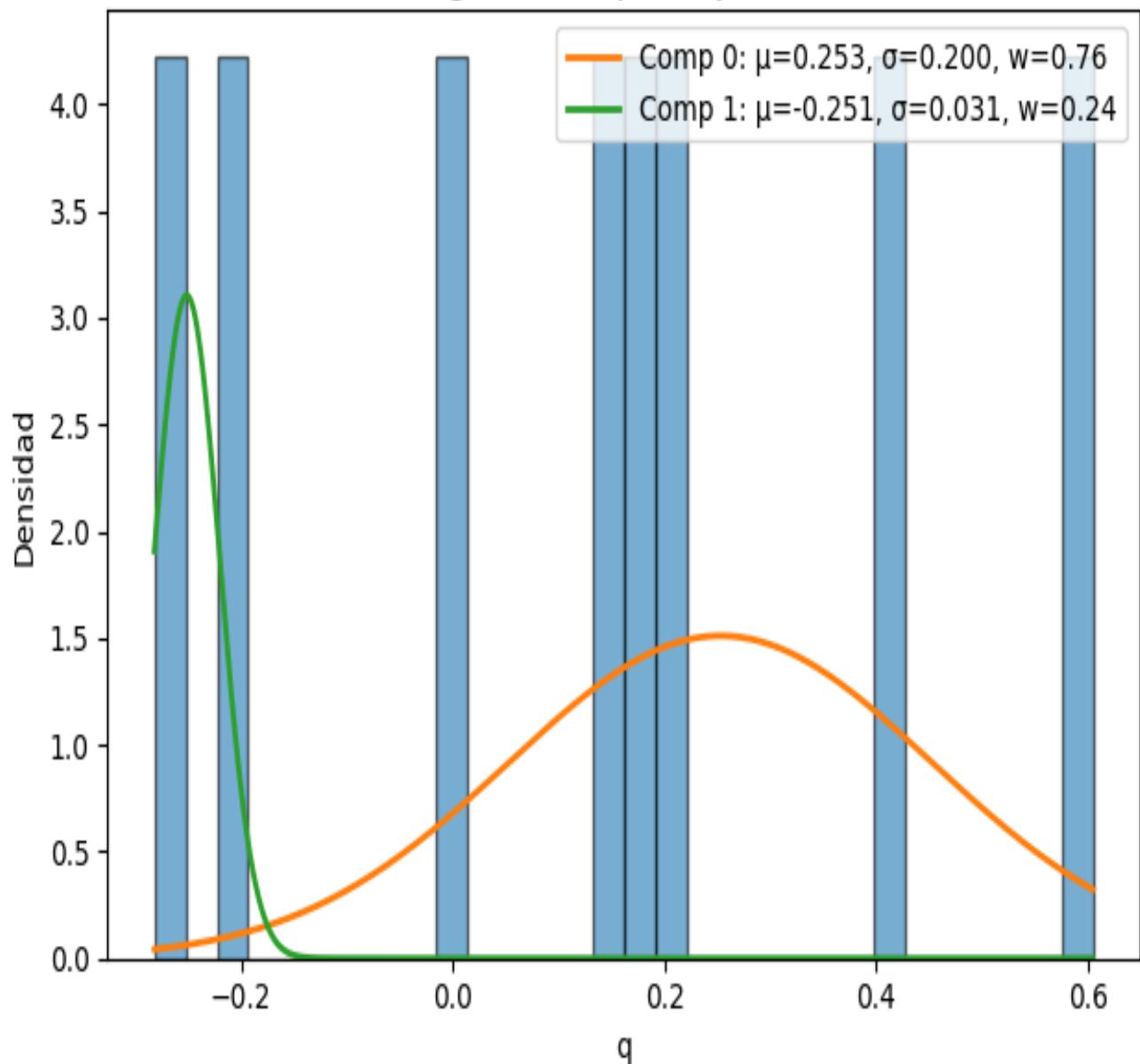
U Means: medias de la componente u estimada para la polarización interestelar.

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

