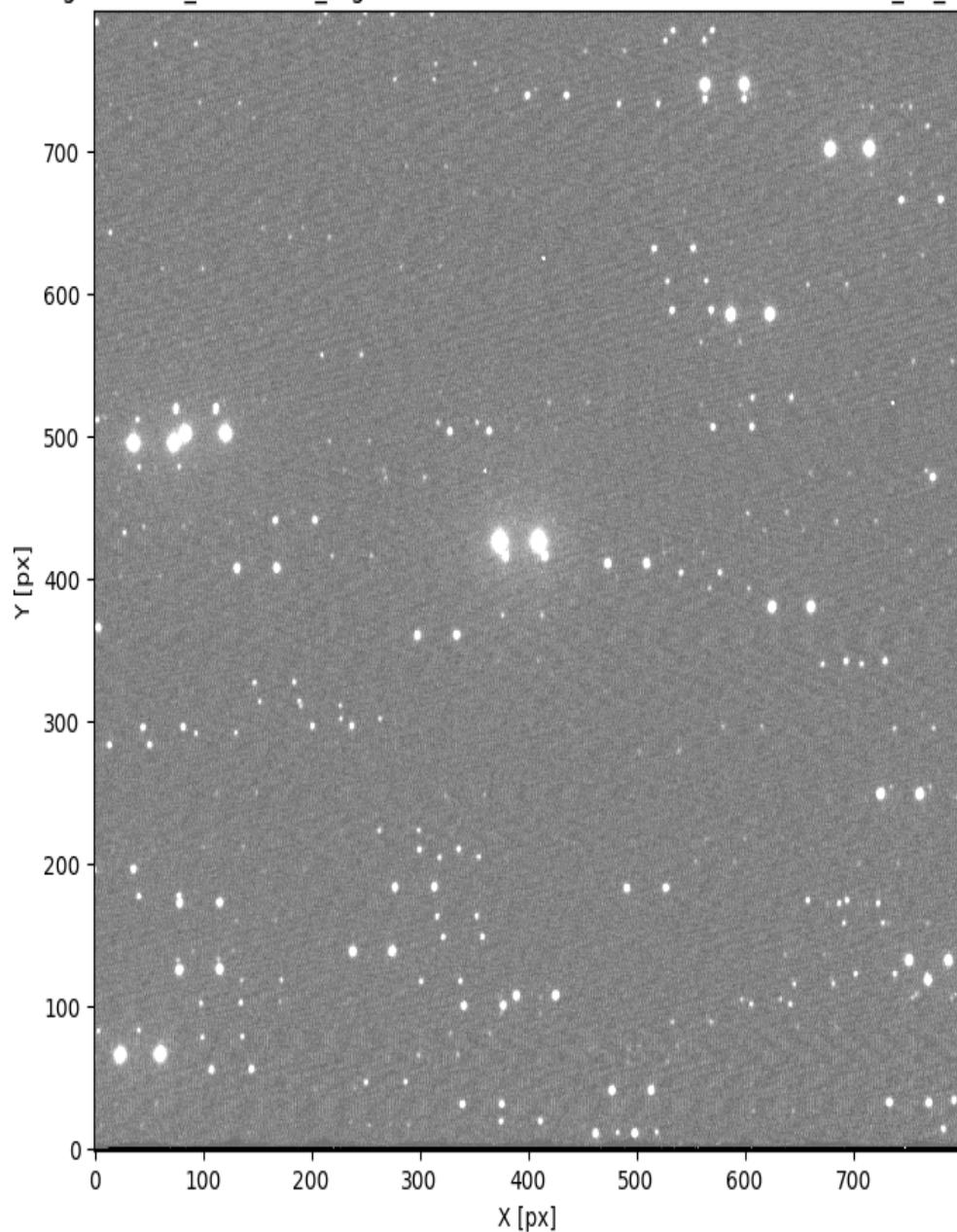
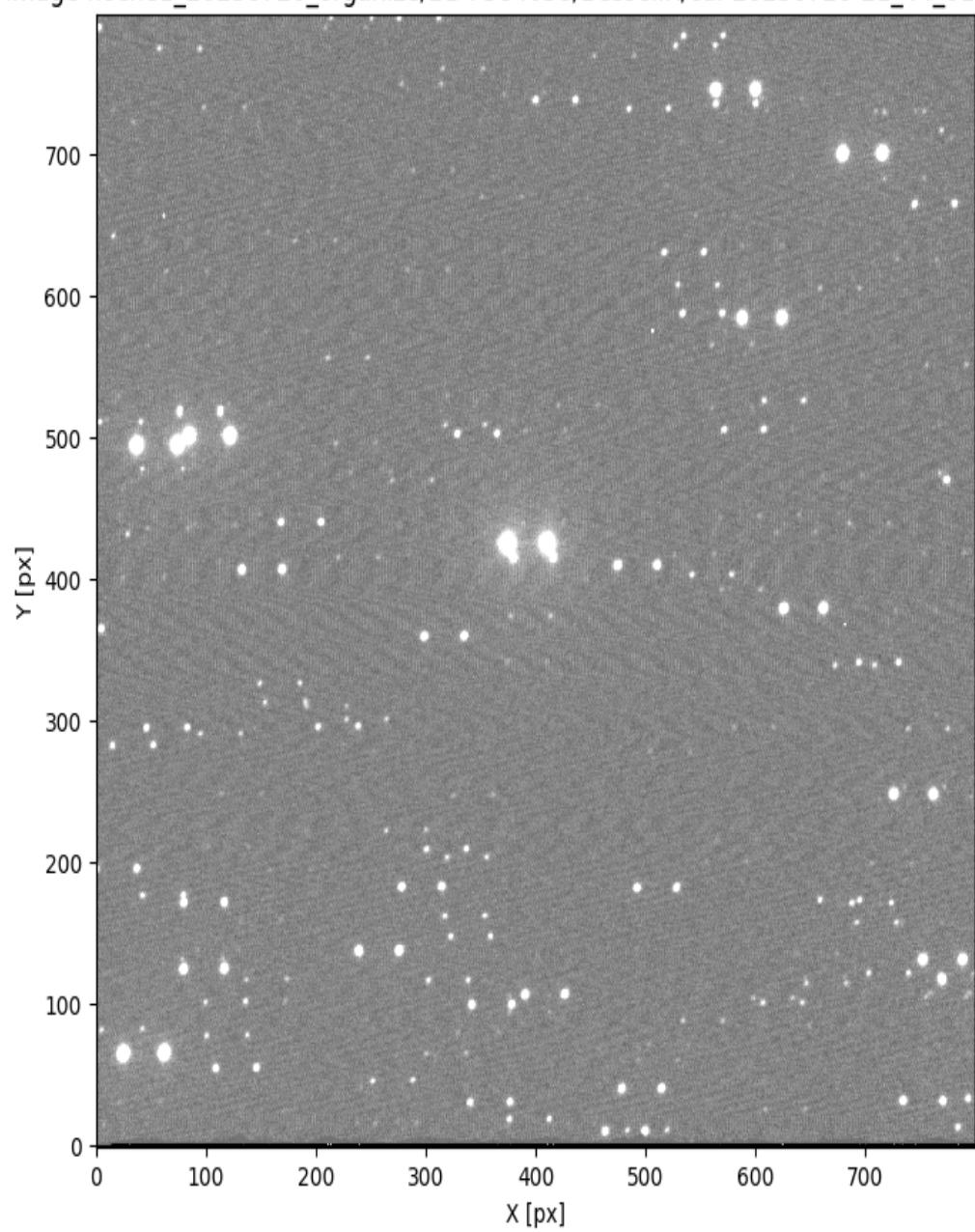


1. Imágenes originales

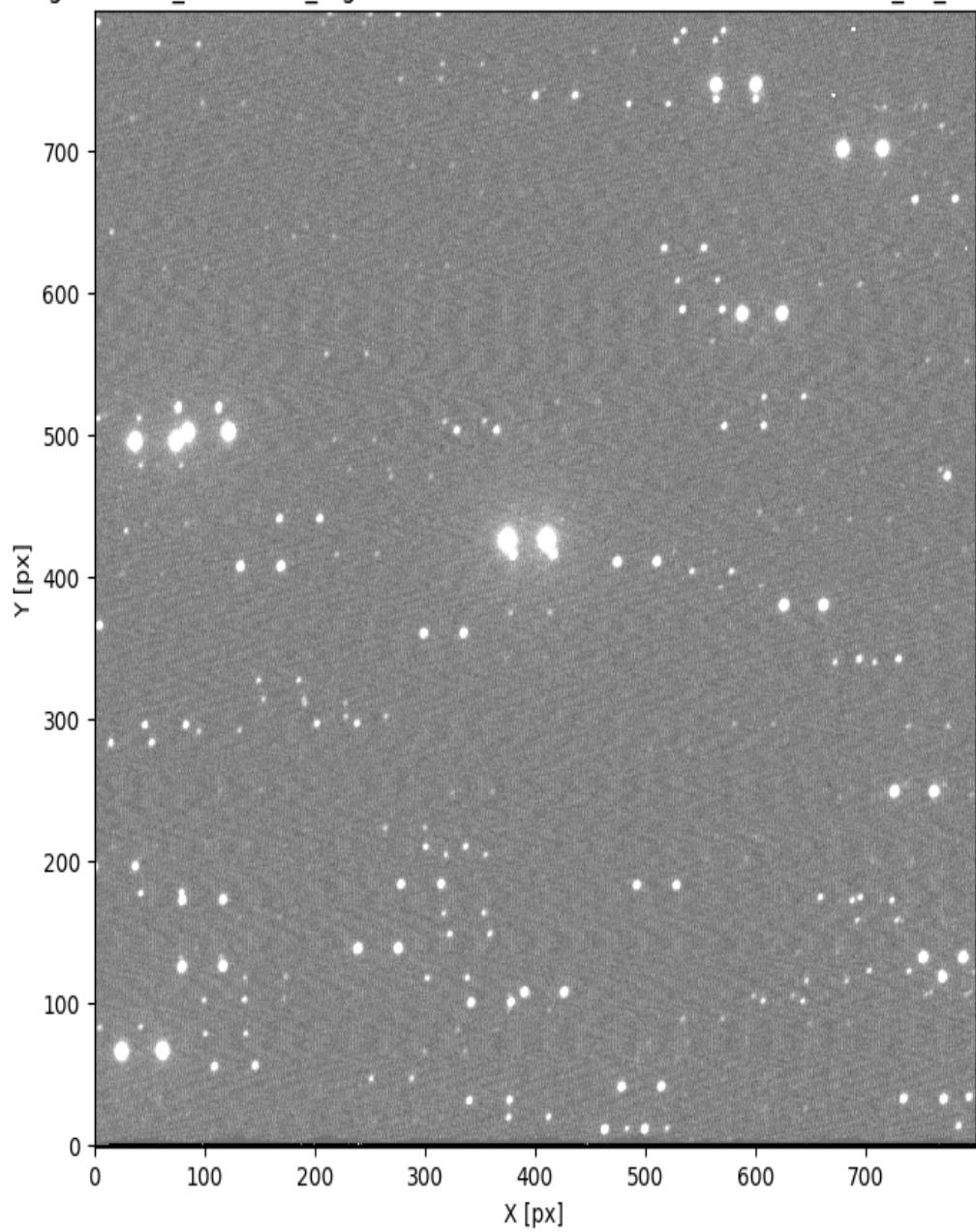
Reference Image noche1_20230720_organize/BD+384058/BesselR/caf-20230720-21_43_15-sci-blap_b_f.fits



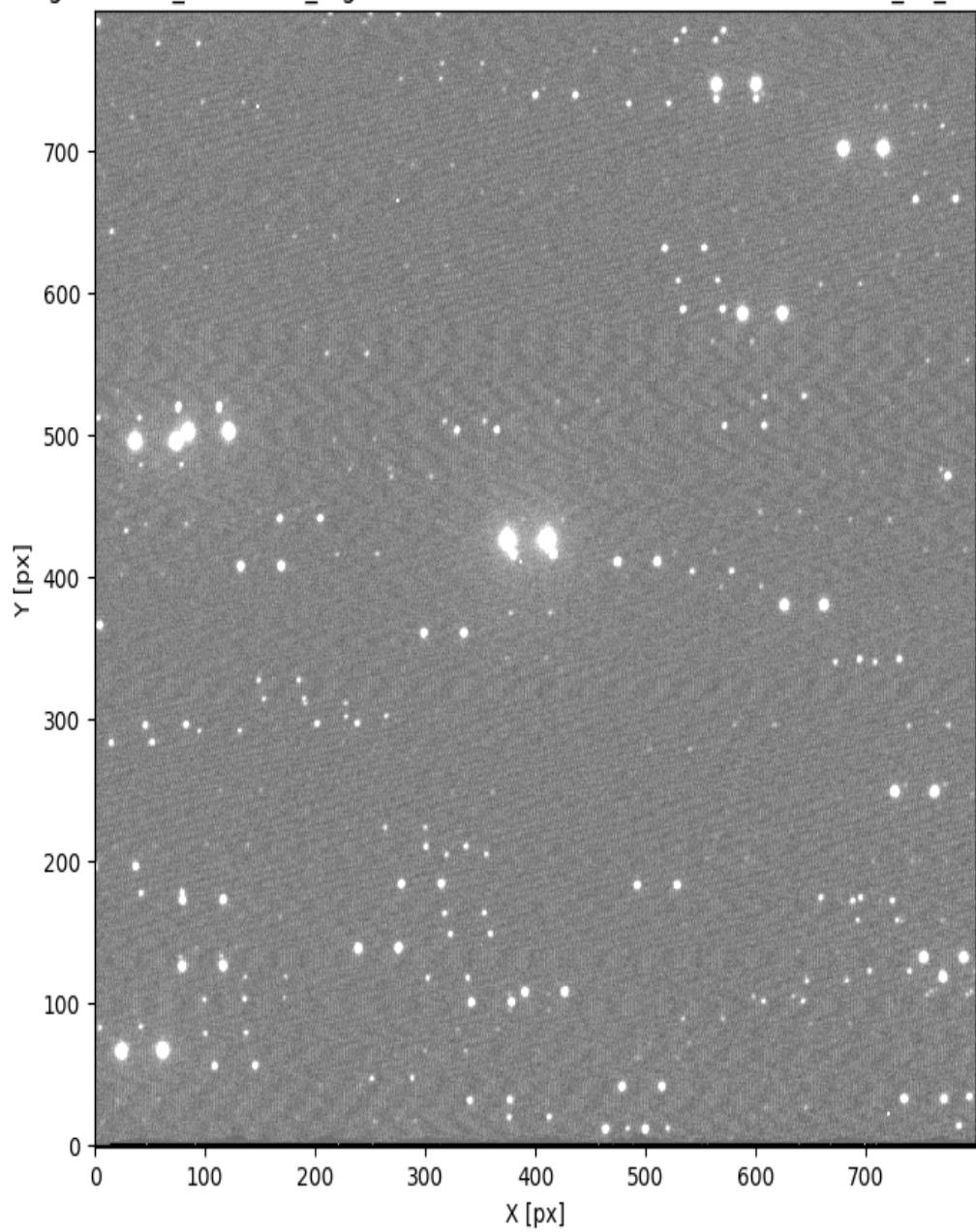
Original Image noche1_20230720_organize/BD+384058/BessellR/caf-20230720-21_44_01-sci-blap_b_f.fits



Original Image noche1_20230720_organize/BD+384058/BesselR/caf-20230720-21_44_47-sci-blap_b_f.fits

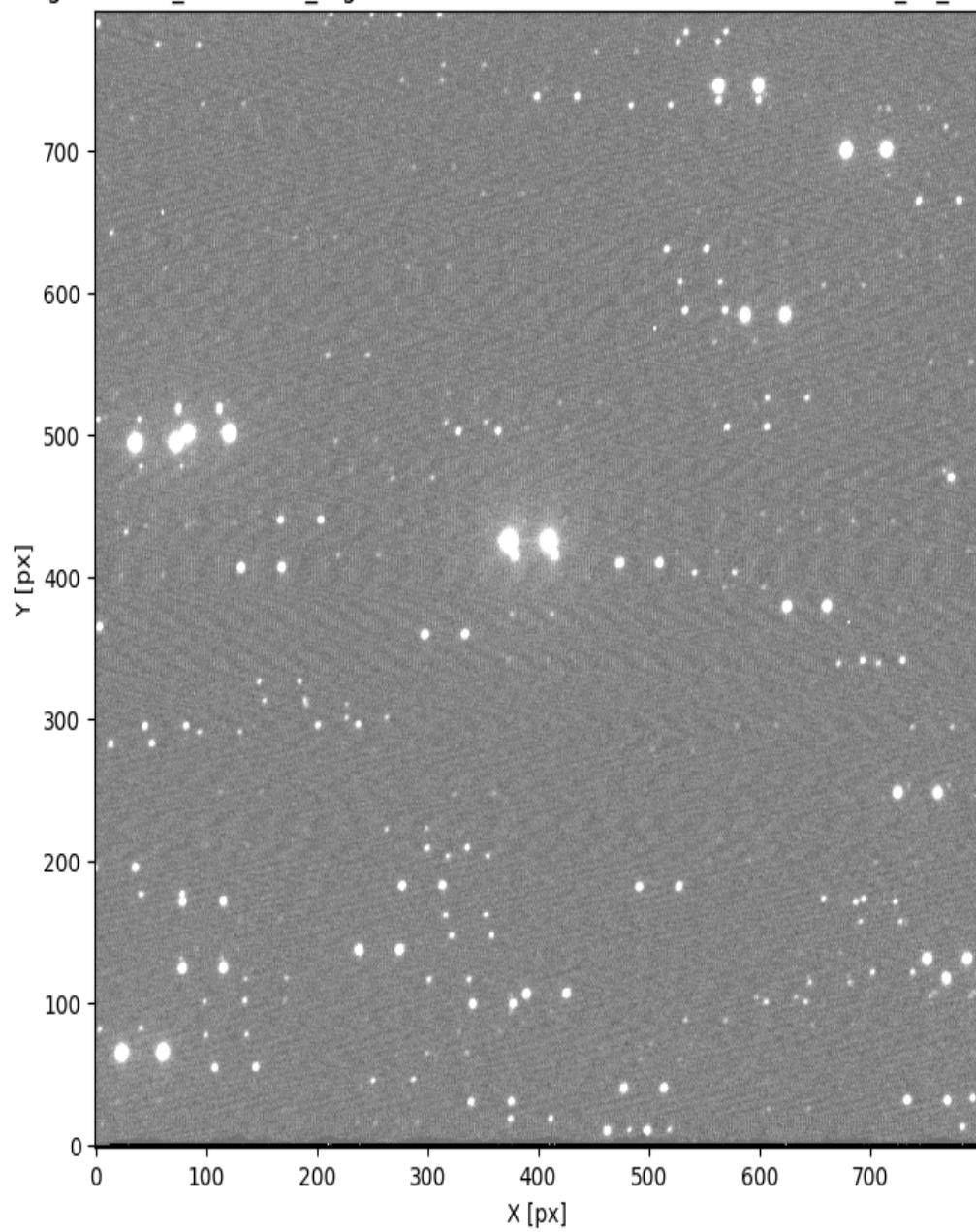


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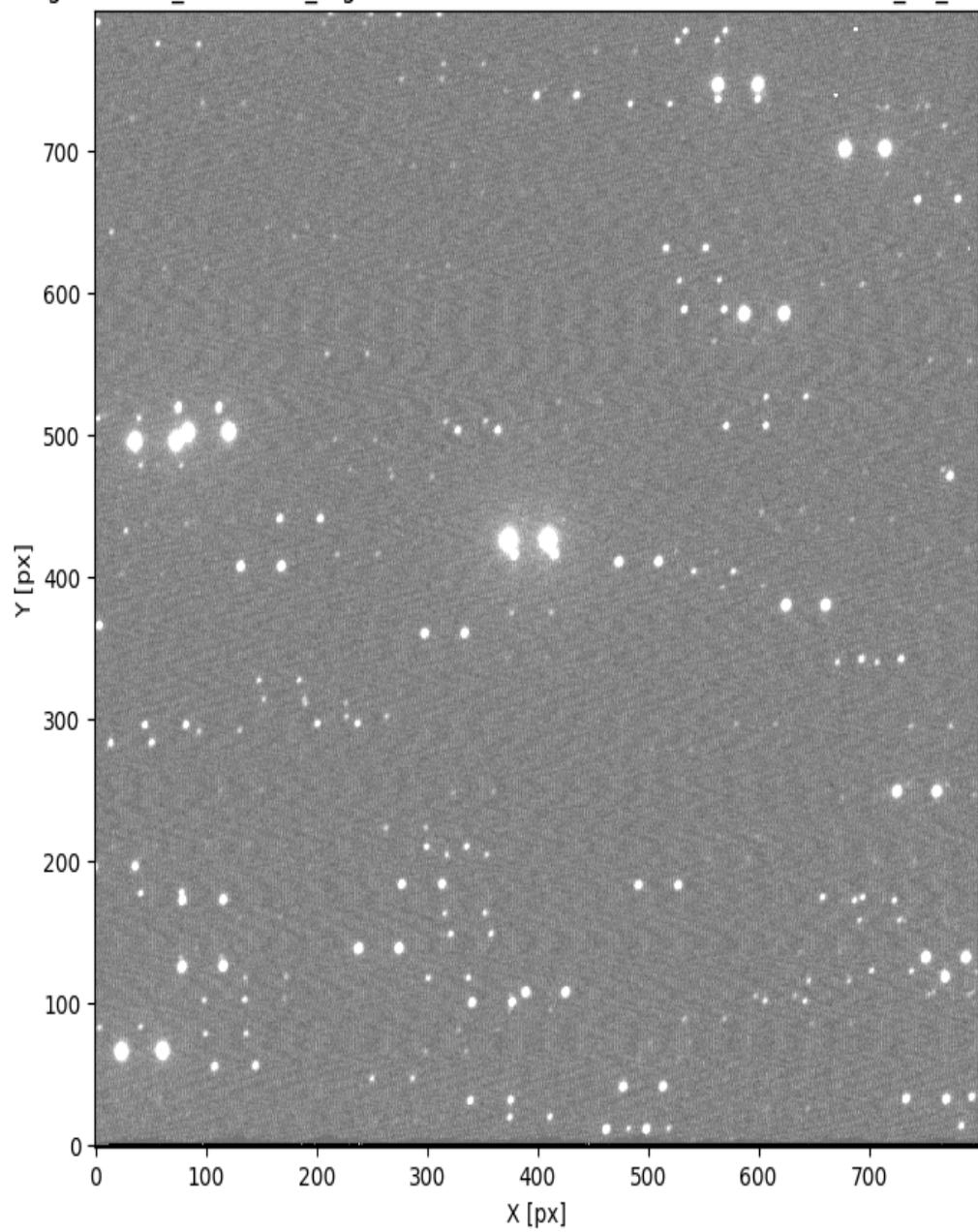


2. Imágenes alineadas

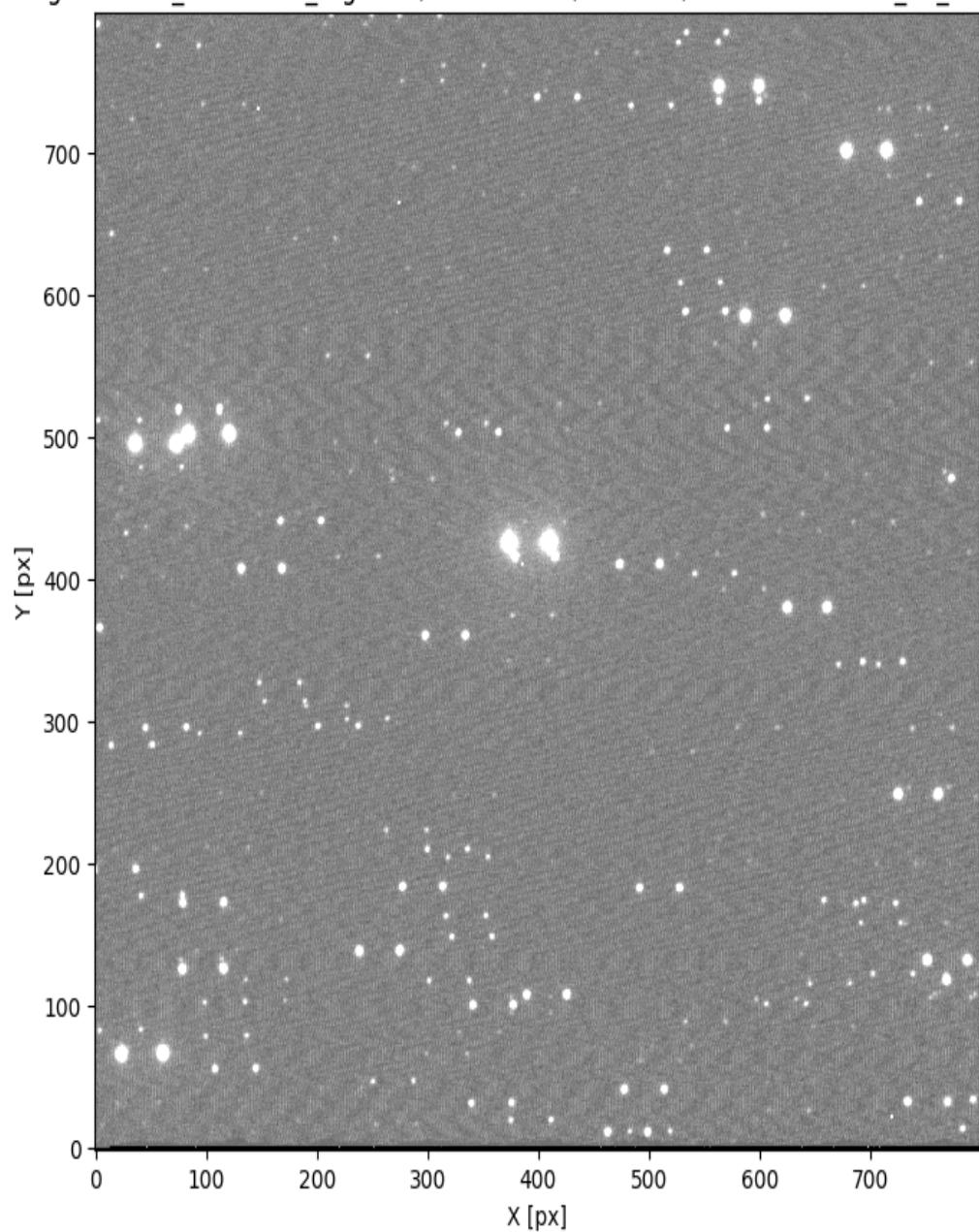
Aligned Image noche1_20230720_organize/BD+384058/BesselR/caf-20230720-21_44_01-sci-blap_b_f.fits



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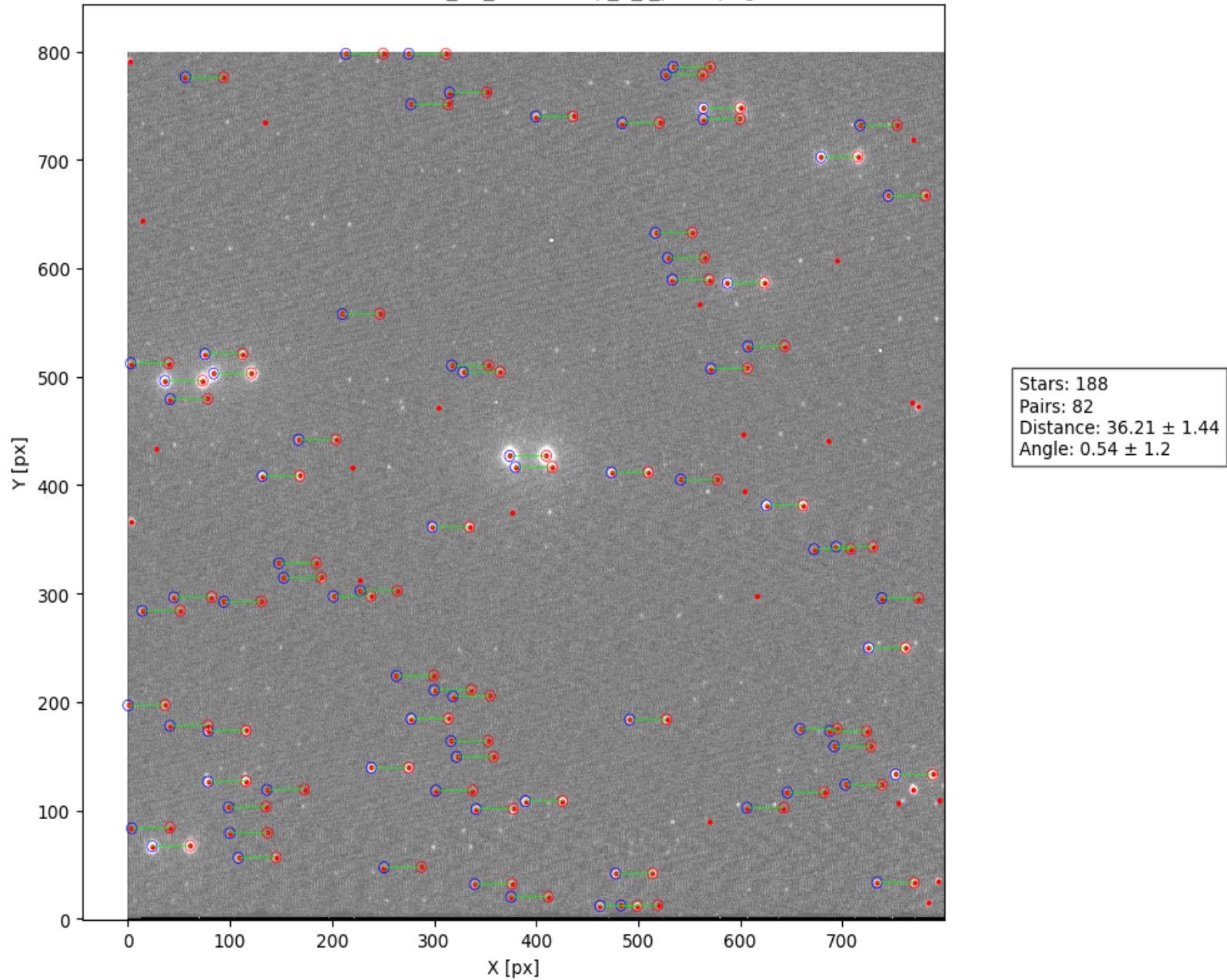


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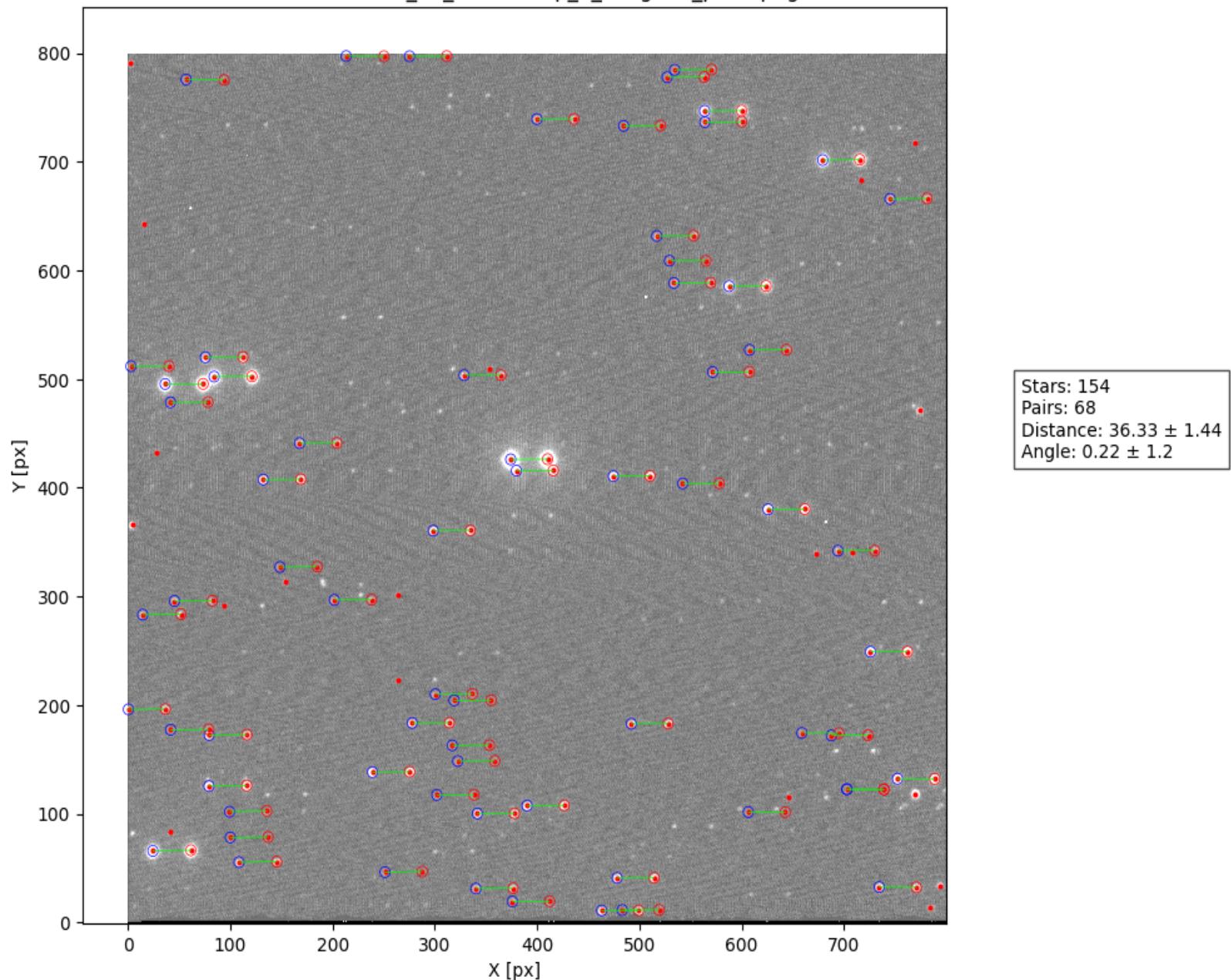


3. Imágenes con pares identificados

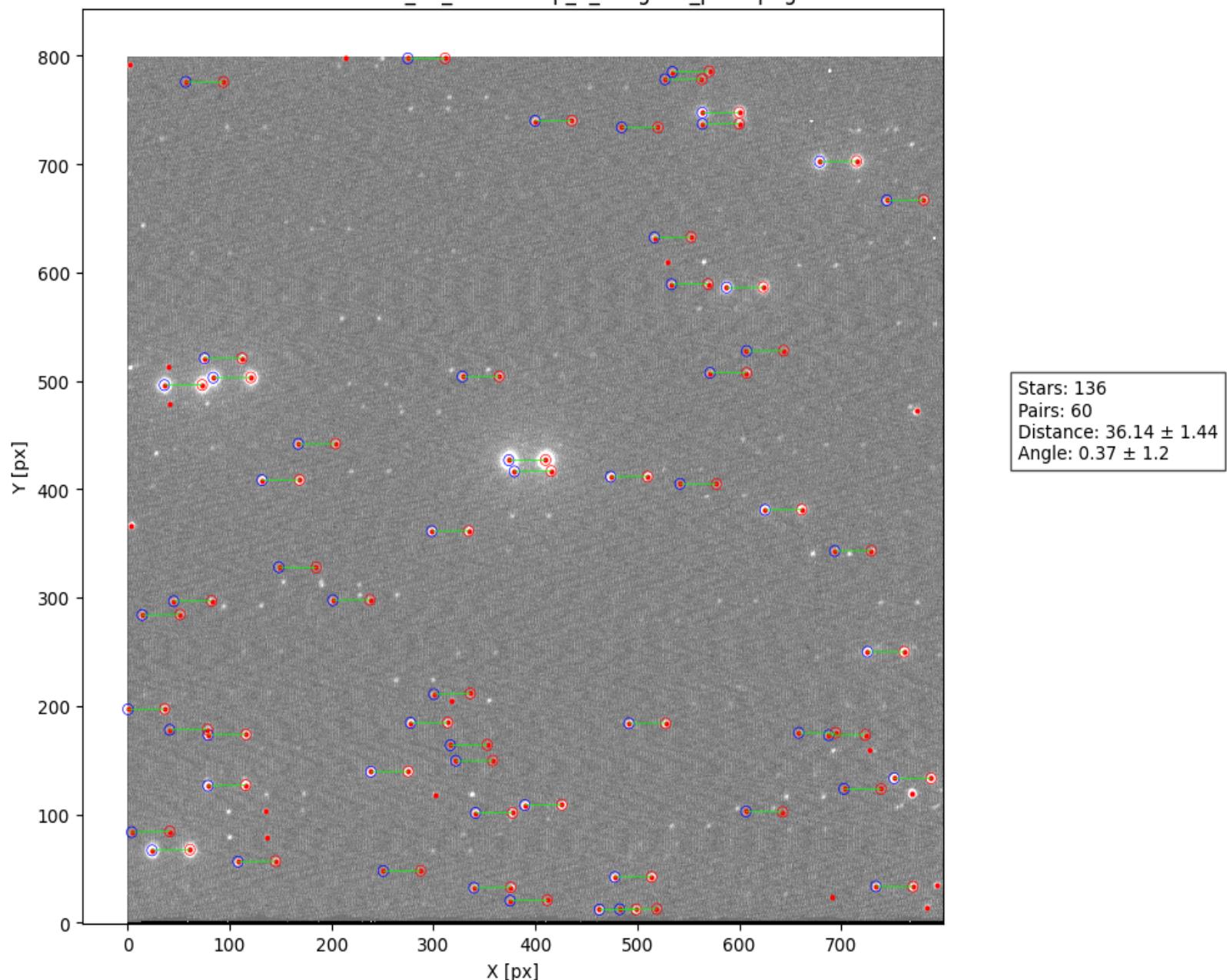
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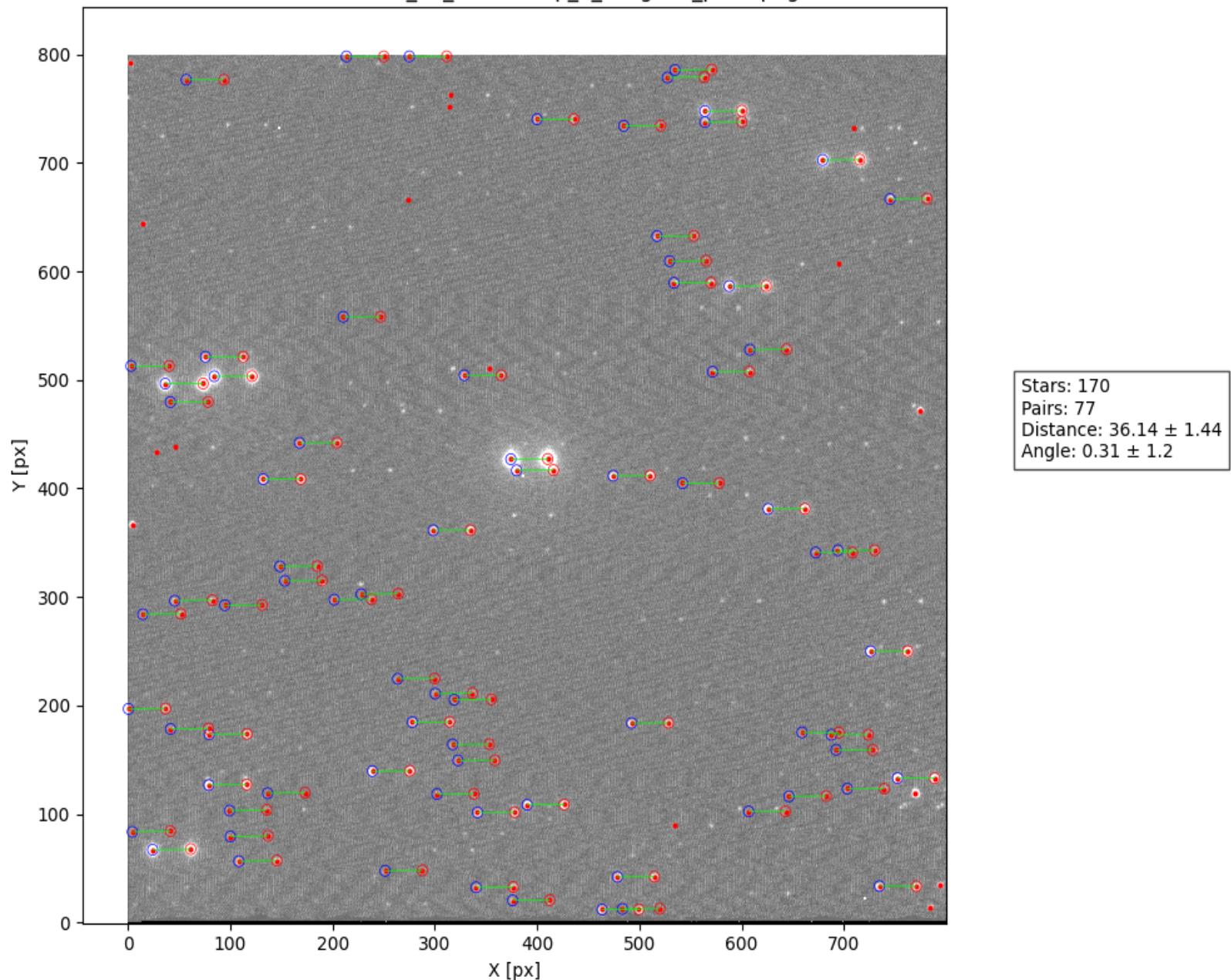
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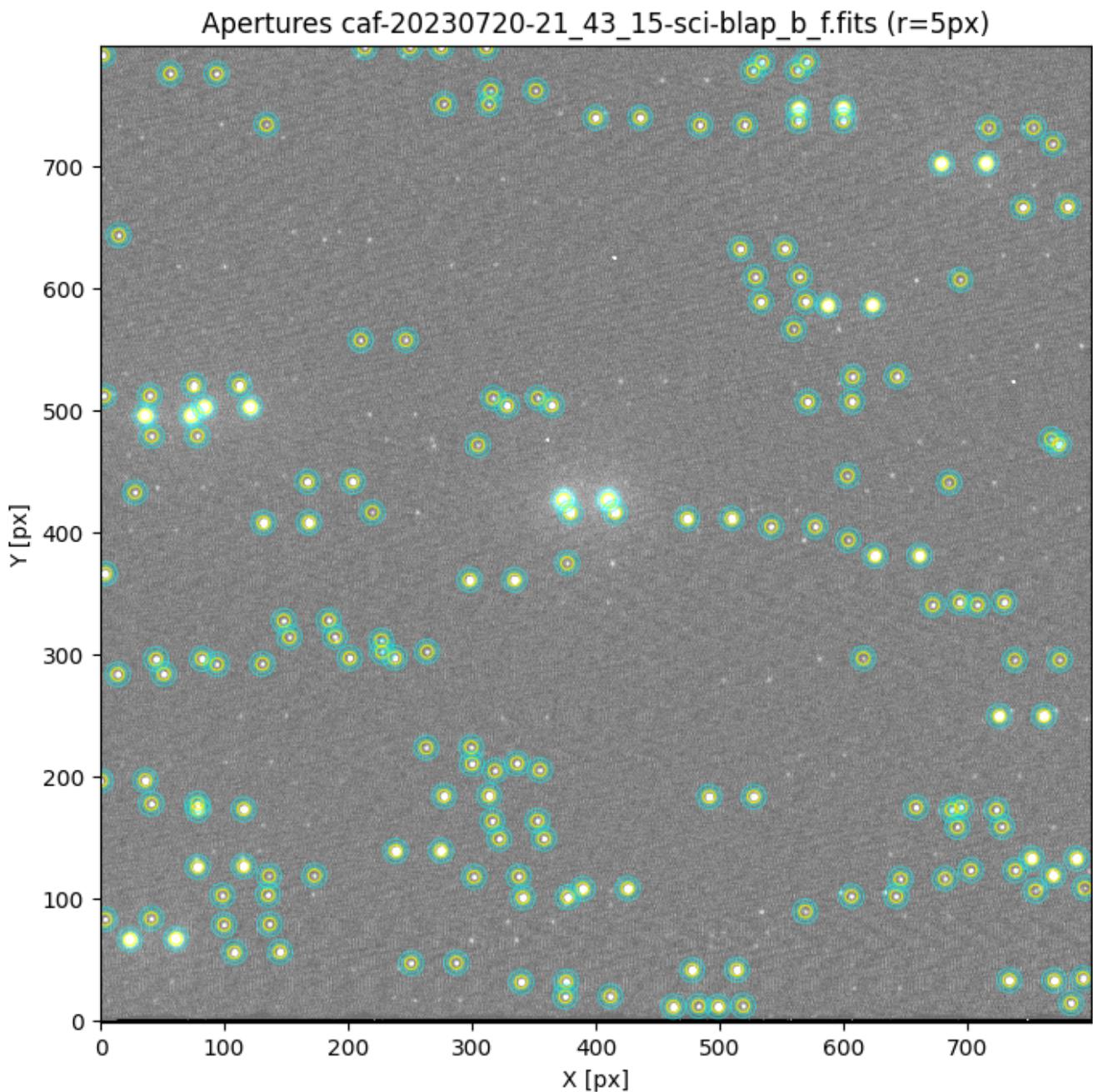
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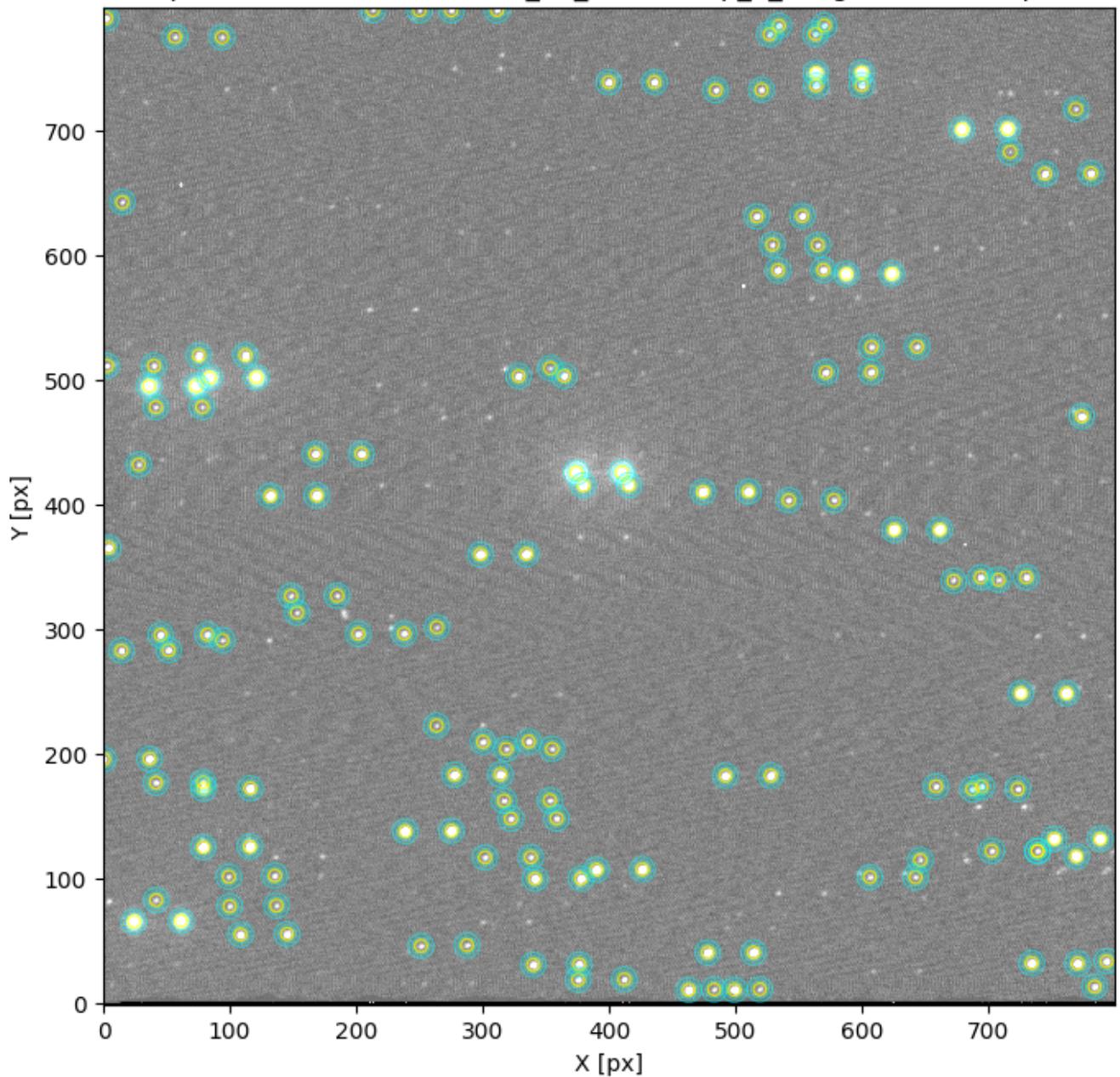
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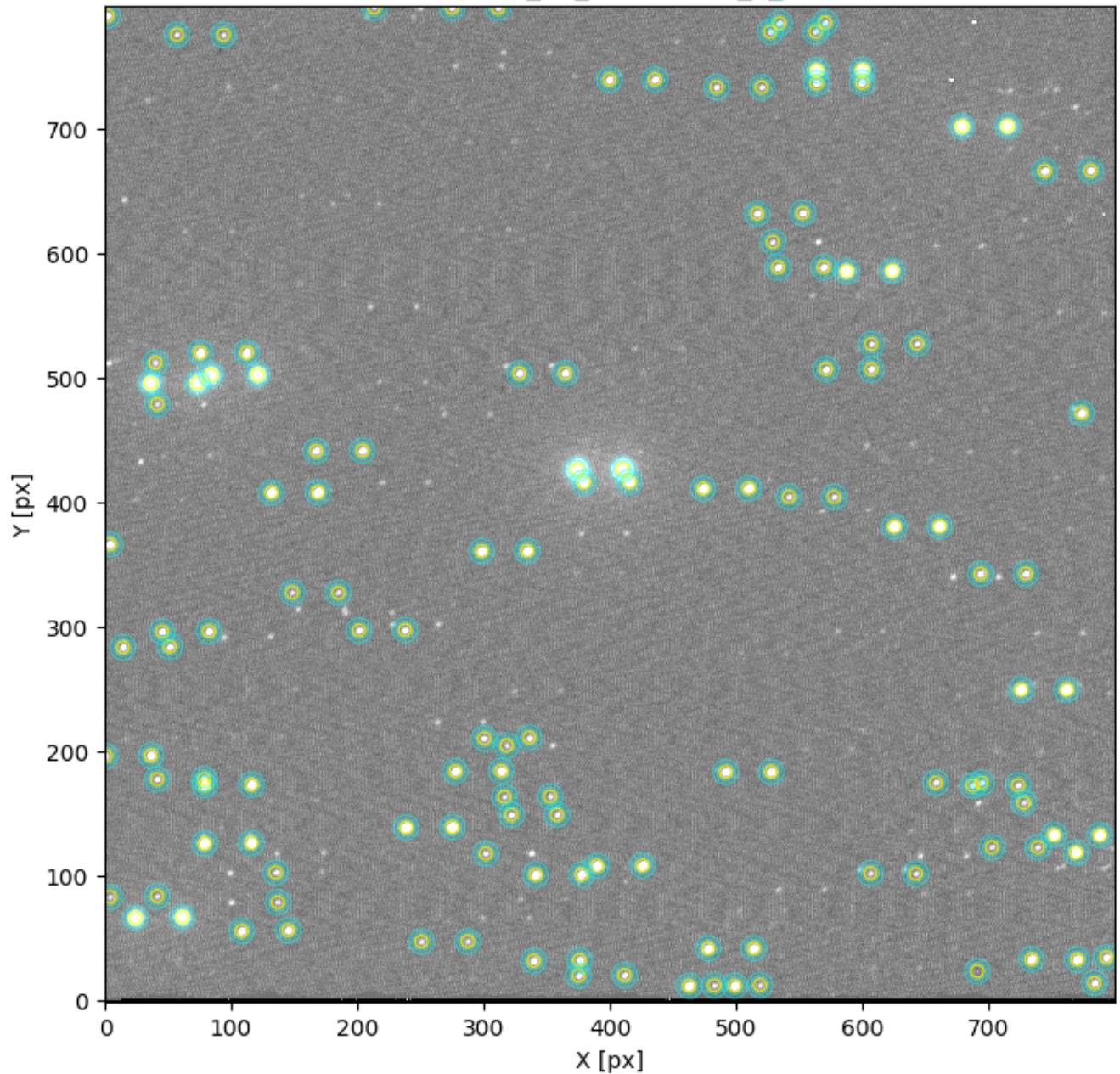
4. Fotometría — Aperturas



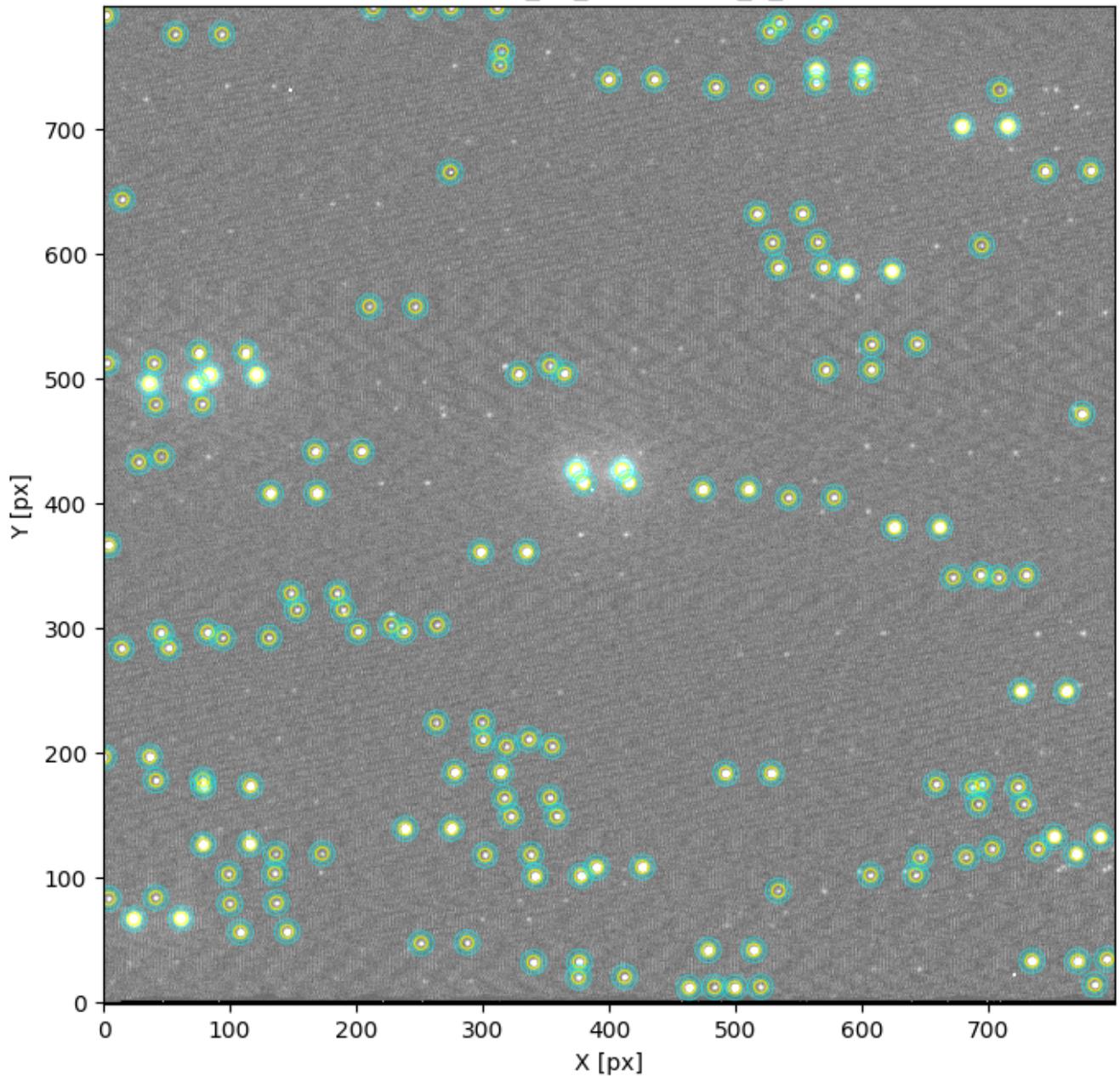
Apertures caf-20230720-21_44_01-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230720-21_44_47-sci-blap_b_f-aligned.fits (r=5px)

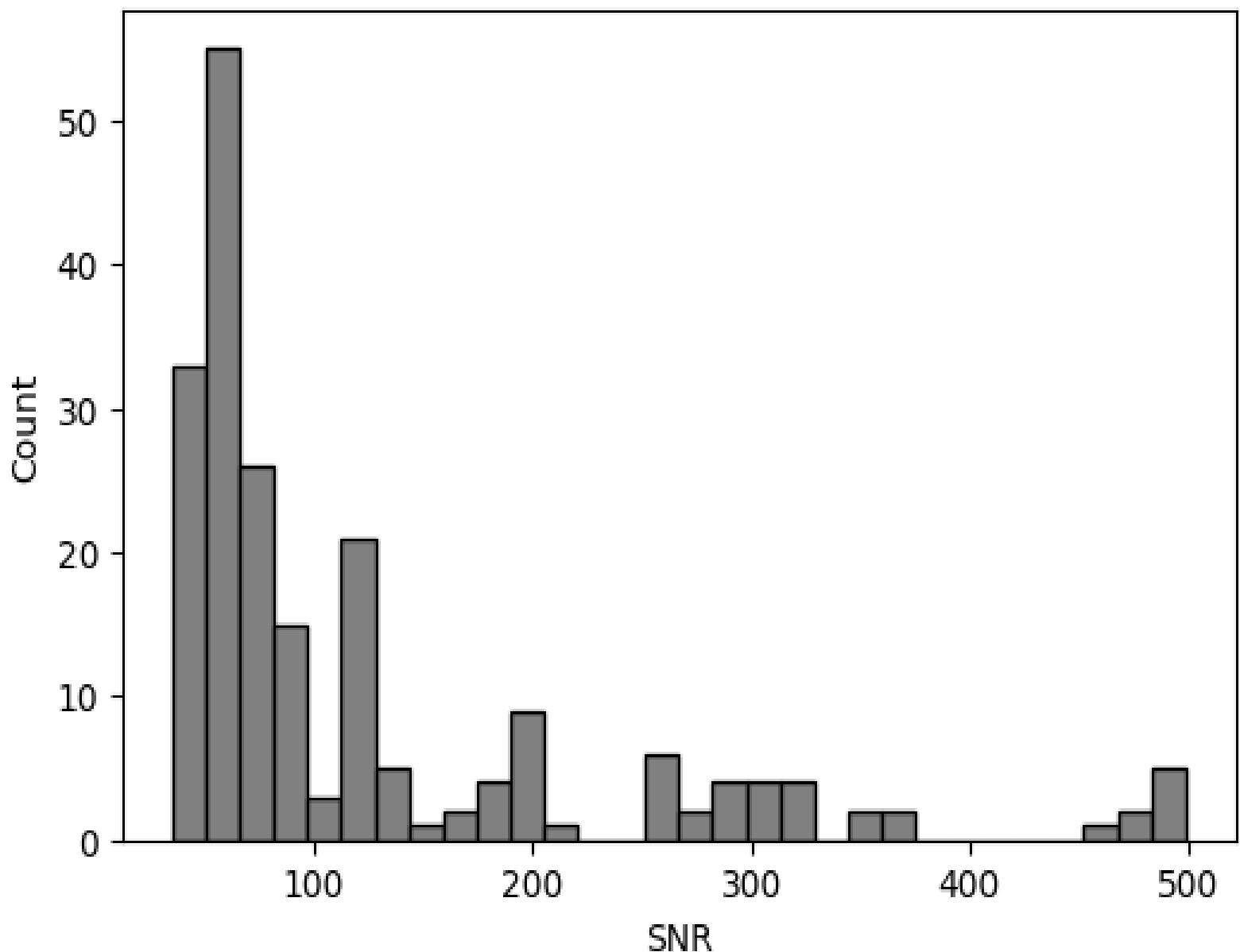


Apertures caf-20230720-21_45_33-sci-blap_b_f-aligned.fits (r=5px)

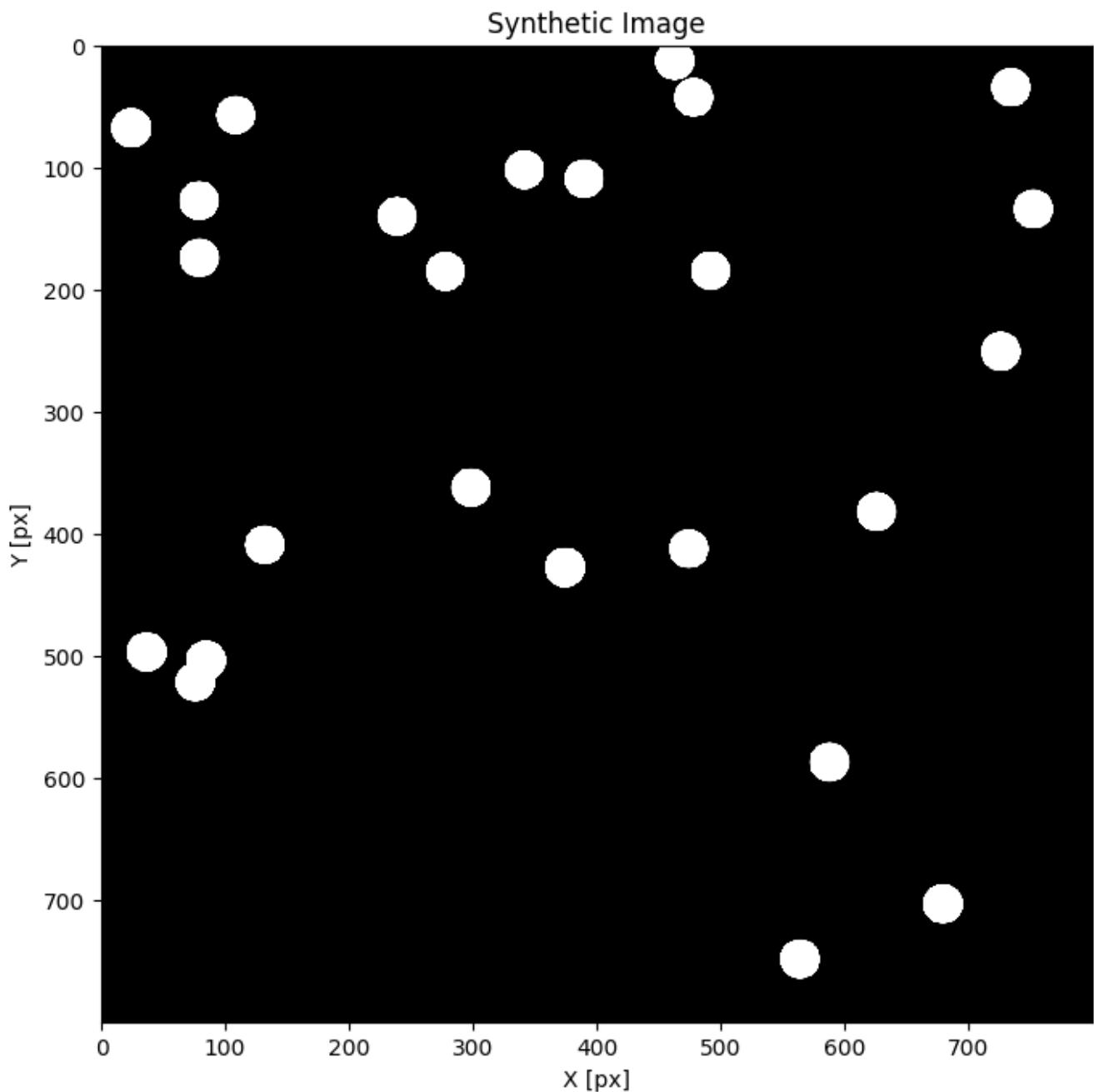


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



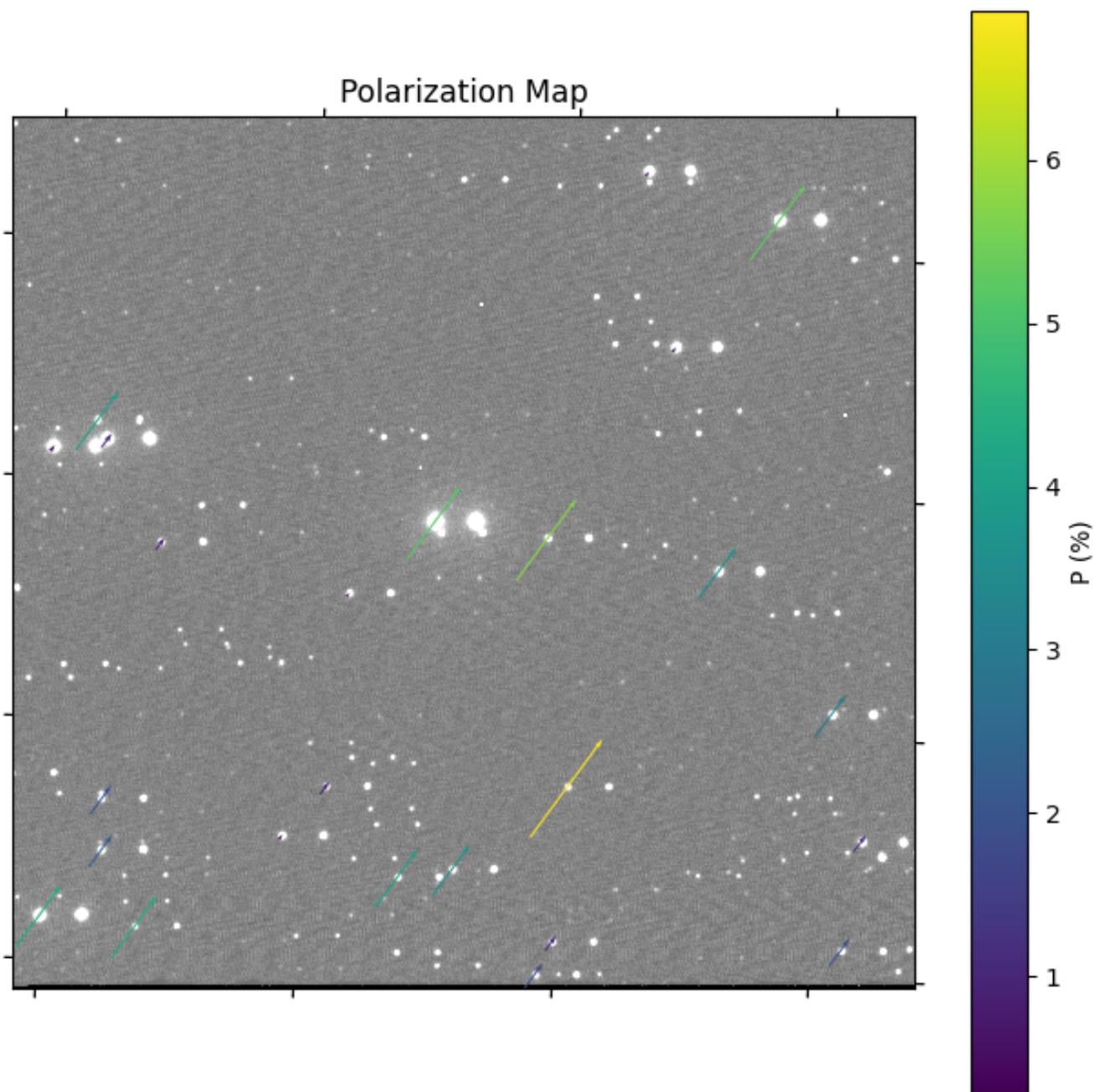
5. Astrometría — Imagen sintética



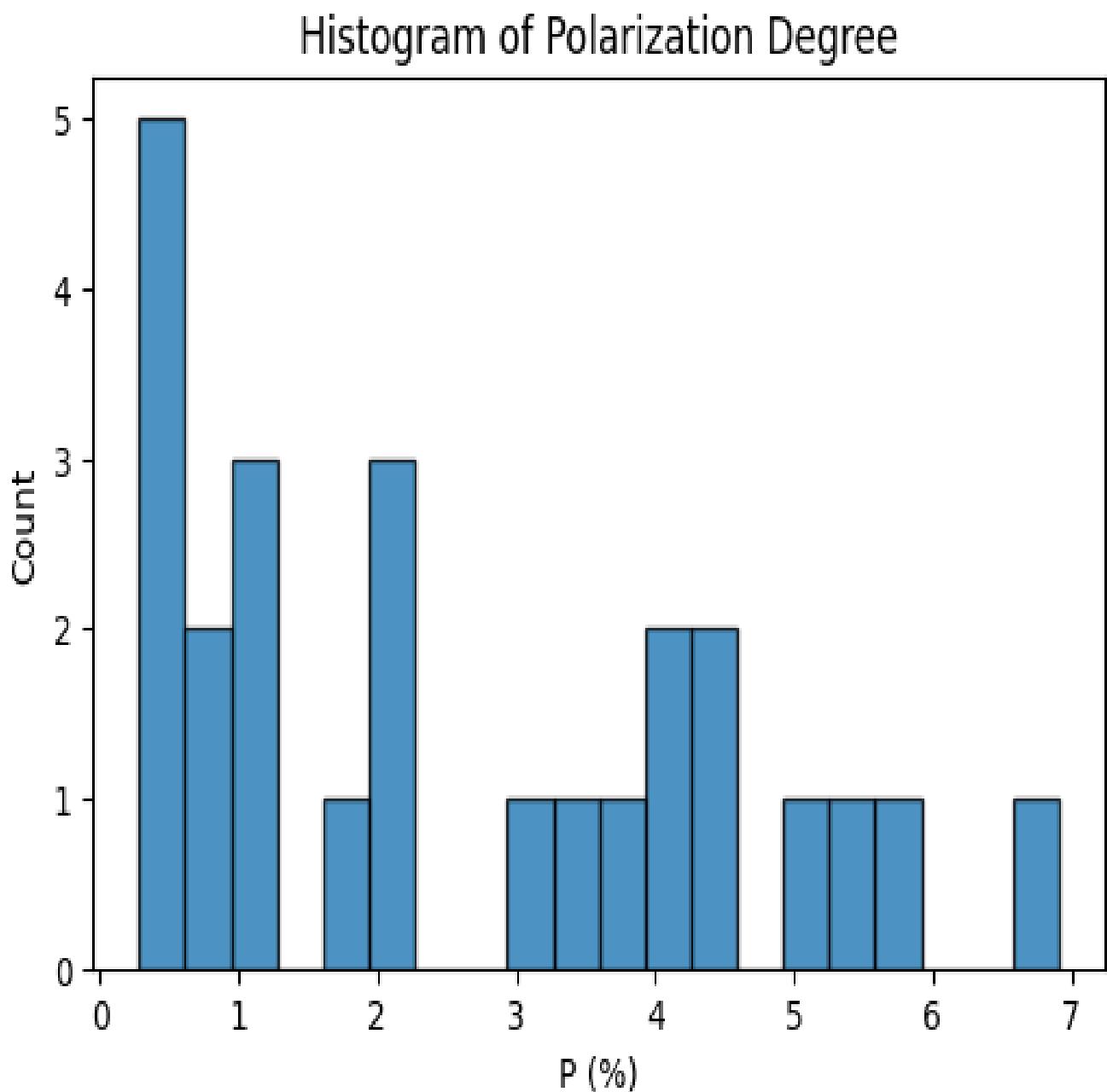
5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
0	305.790869	39.364479	Gaia DR2 2061240537203705728	EmLine*
4	305.796610	39.403922	NVSS J202309+392352	Radio
5	305.796625	39.366560	Gaia DR2 2061240537203703424	EmLine*
7	305.797211	39.312651	ZTF J202309.36+391845.5	RSCVnV*
8	305.798724	39.300329	TYC 3152-333-1	Star
11	305.806995	39.346361	ZTF J202312.09+392026.0	EclBin
14	305.808652	39.353364	No_ID	
19	305.810236	39.307993	Gaia DR2 2061239403332307840	EmLine*
20	305.815561	39.406114	Gaia DR2 2061428721185185792	EmLine*
21	305.813582	39.331212	Gaia DR2 2061240227966040448	EmLine*
25	305.819073	39.307790	Gaia DR2 2061239403332307840	EmLine*
29	305.823468	39.367894	Gaia DR2 2061240571563430912	EmLine*
30	305.822312	39.336676	Gaia DR2 2061240227966040448	EmLine*
35	305.837426	39.401748	No_ID	
46	305.855820	39.338816	No_ID	
47	305.861583	39.386495	No_ID	
49	305.863682	39.314300	No_ID	
50	305.866360	39.364207	ZTF J202327.47+392137.8	EclBin
52	305.868630	39.349558	BD+38 4058	EclBin
55	305.879681	39.299931	HD 229205	Star
56	305.881257	39.306878	TYC 3152-143-1	Star
61	305.884585	39.305529	TYC 3152-143-1	Star
64	305.900120	39.379965	TYC 3156-168-1	Star
69	305.922699	39.392794	TYC 3156-101-1	Star
74	305.930479	39.375696	TYC 3156-117-1	Star

6. Polarimetría — Mapa de polarización

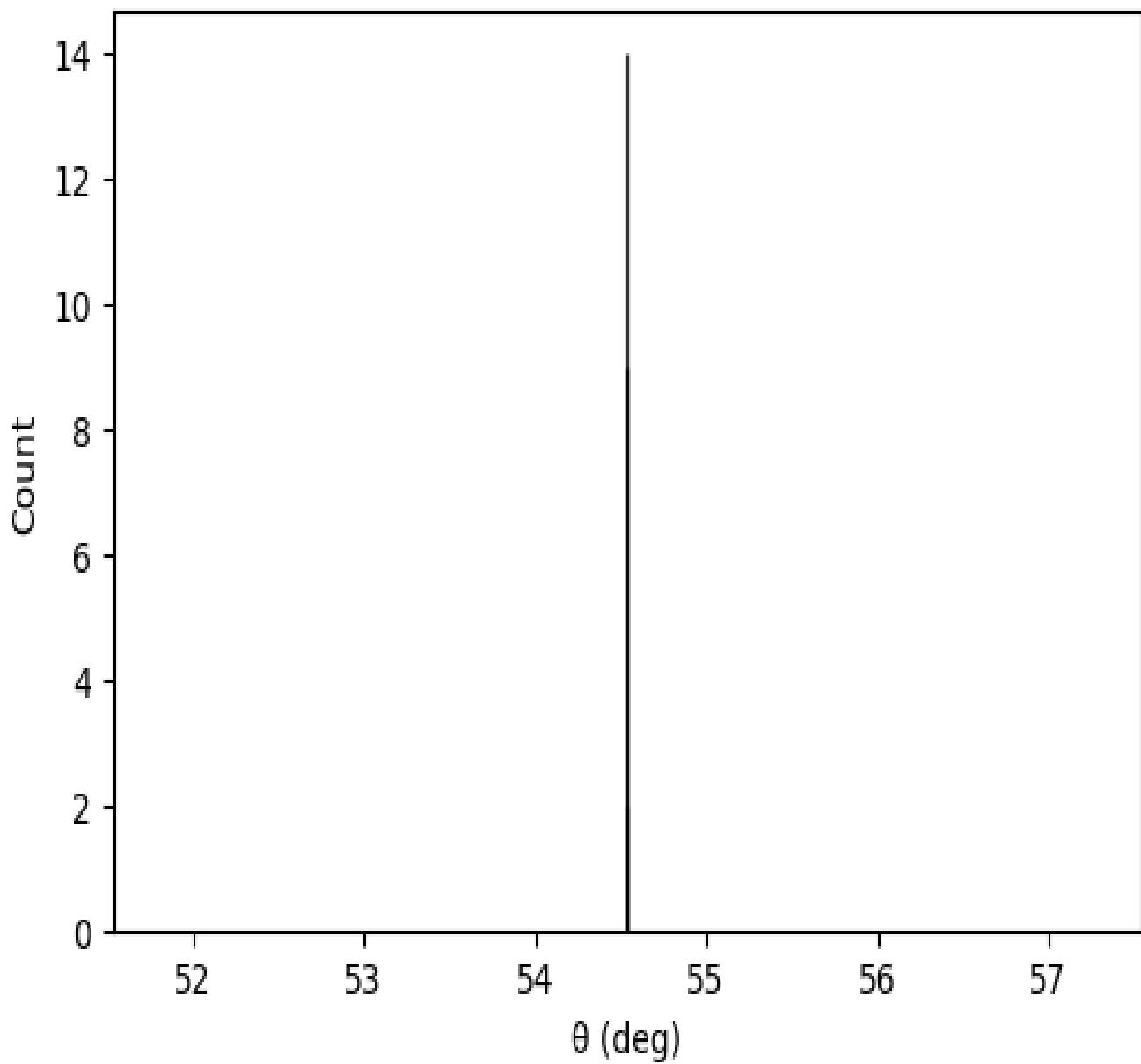


6. Polarimetría — Histograma de P

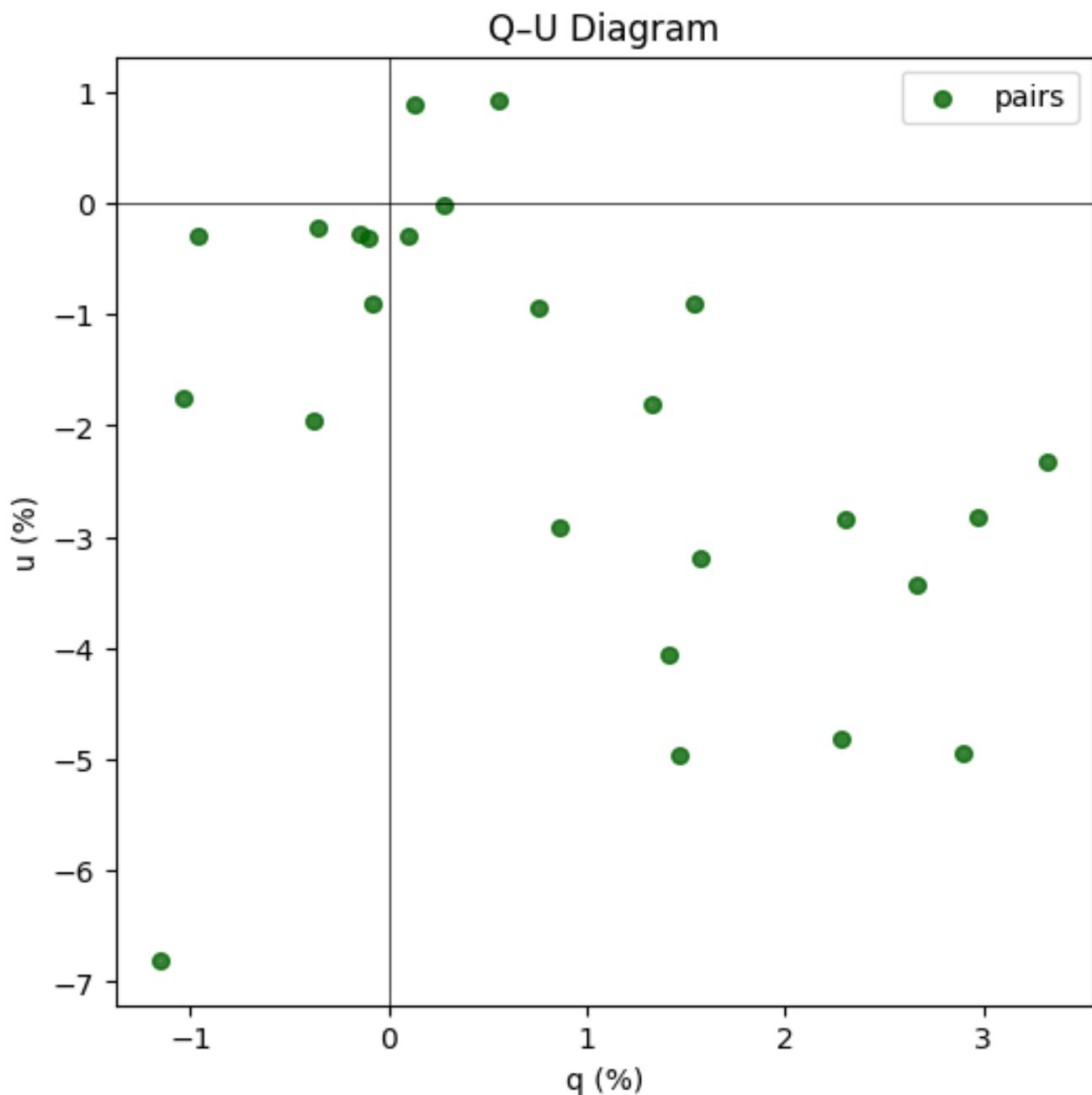


6. Polarimetría — Histograma de θ

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	-0.334 \pm 0.418	0.39416484018346354	-0.409 \pm 0.269	0.49969270489076995
1	1.372 \pm 0.535	0.6058351598165364	-3.987 \pm 0.833	0.50030729510923

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.

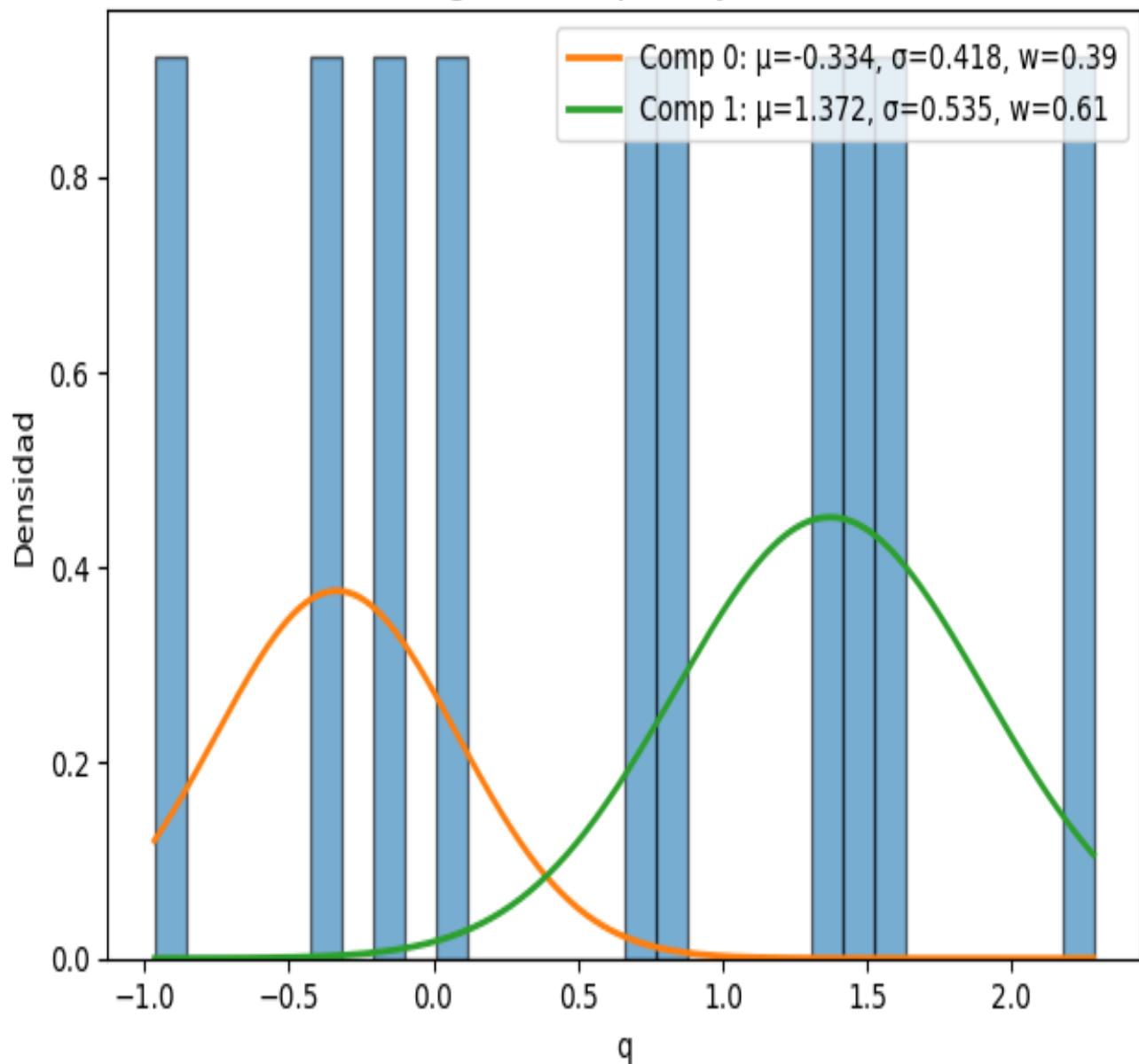
U sigmas: desviaciones estándar (σ) de los componentes gaussianos ajustados a u.

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

