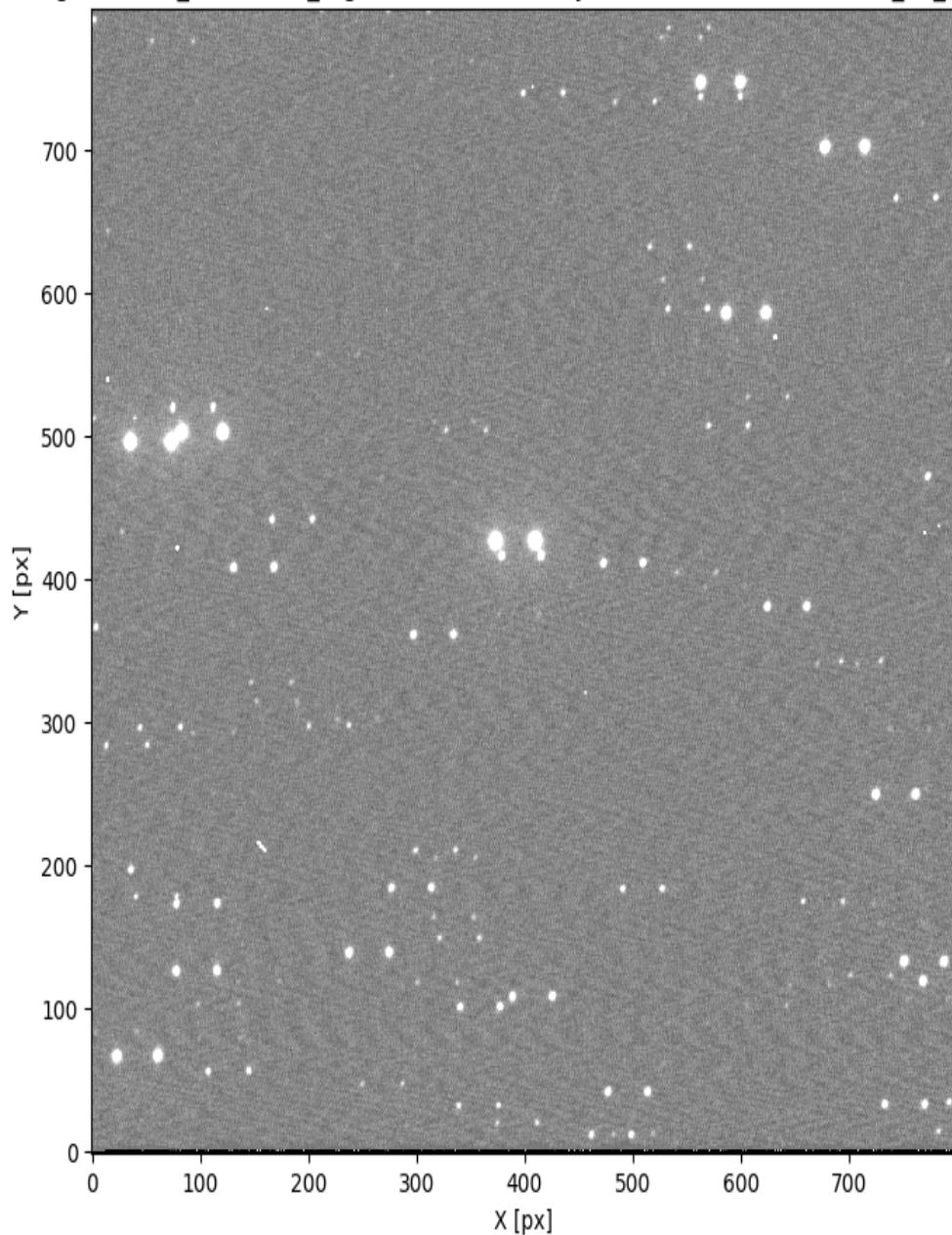
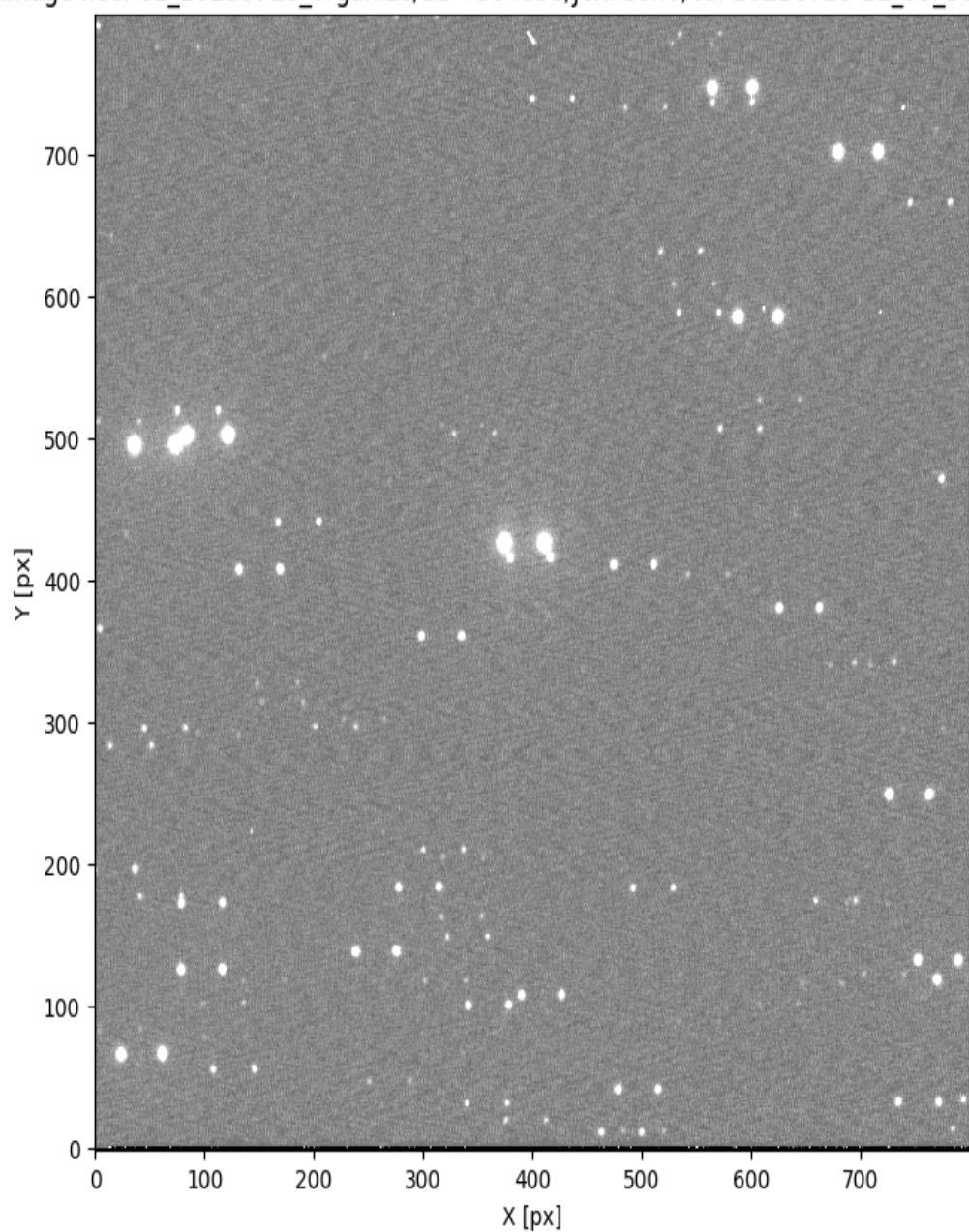


1. Imágenes originales

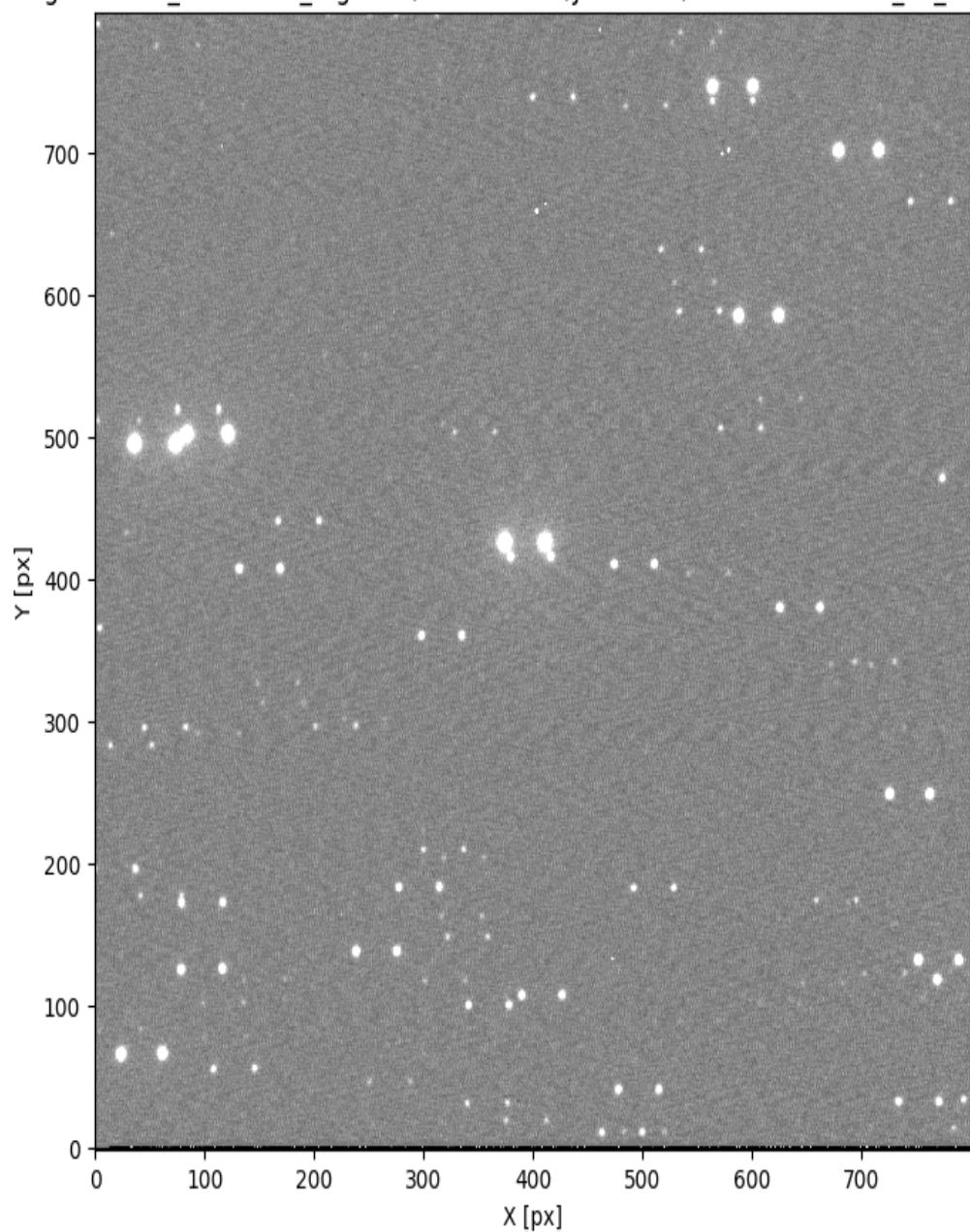
Reference Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_39_10-sci-blap_b_f.fits



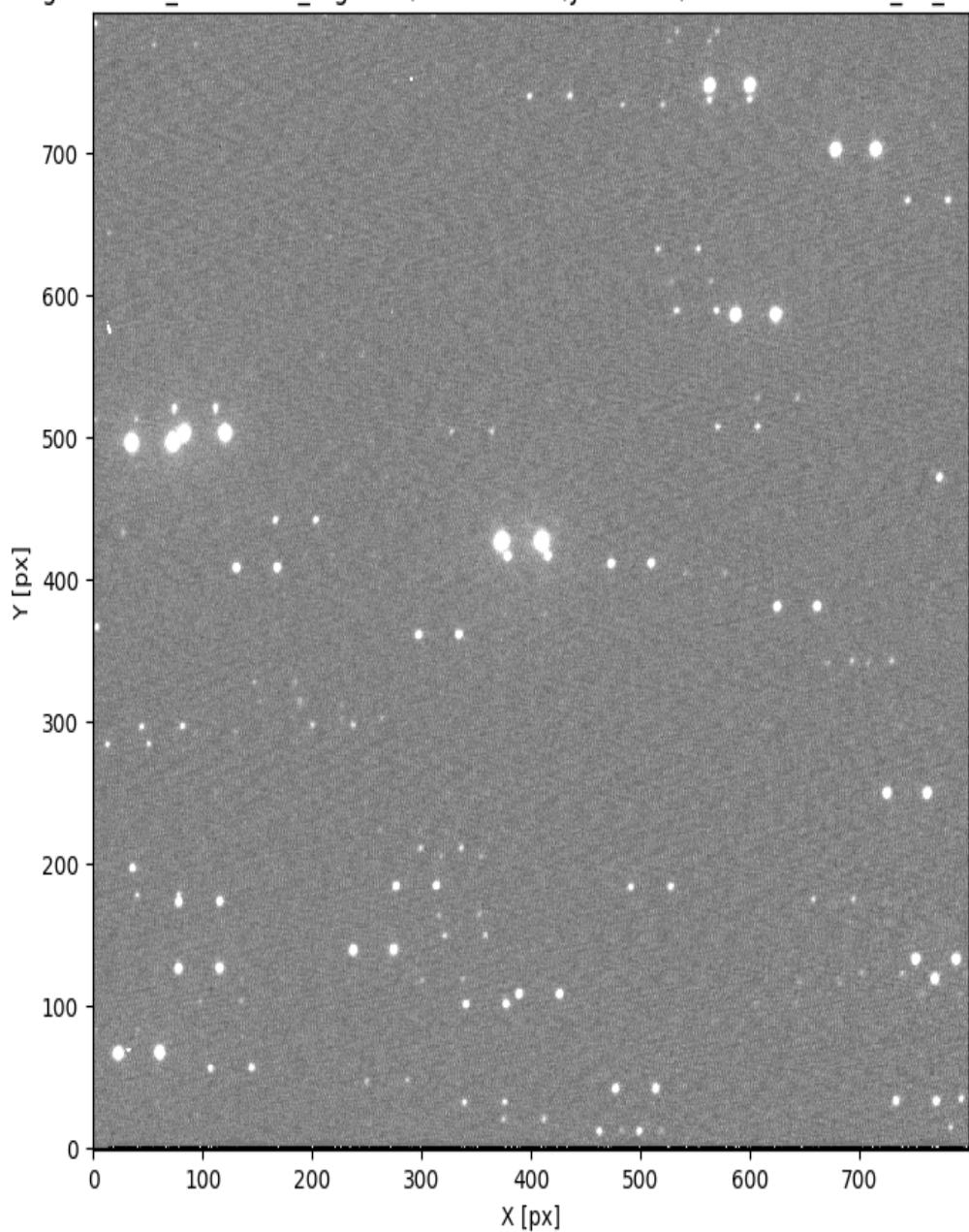
Original Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_39_56-sci-blap_b_f.fits



Original Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_40_42-sci-blap_b_f.fits

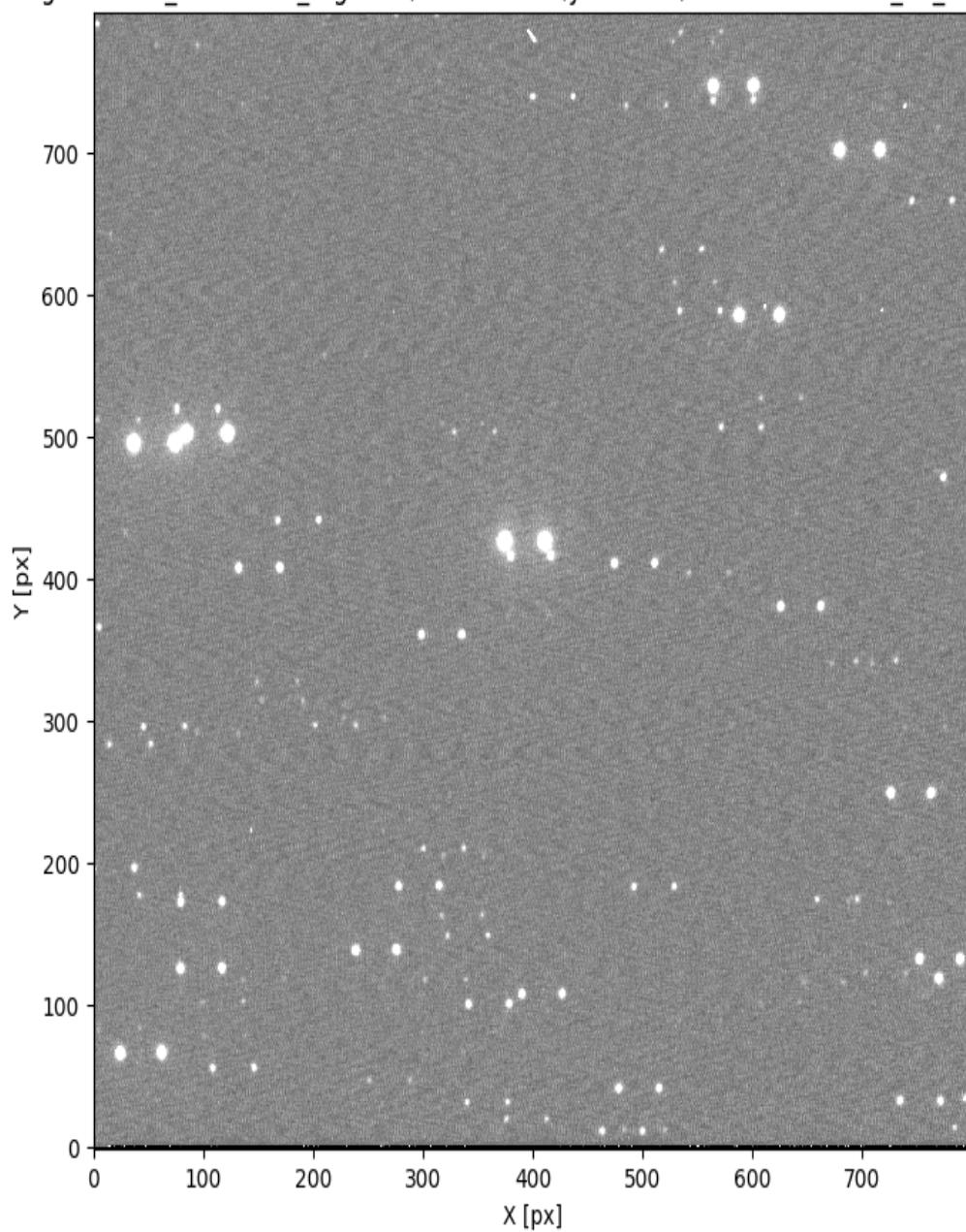


Original Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_41_28-sci-blap_b_f.fits

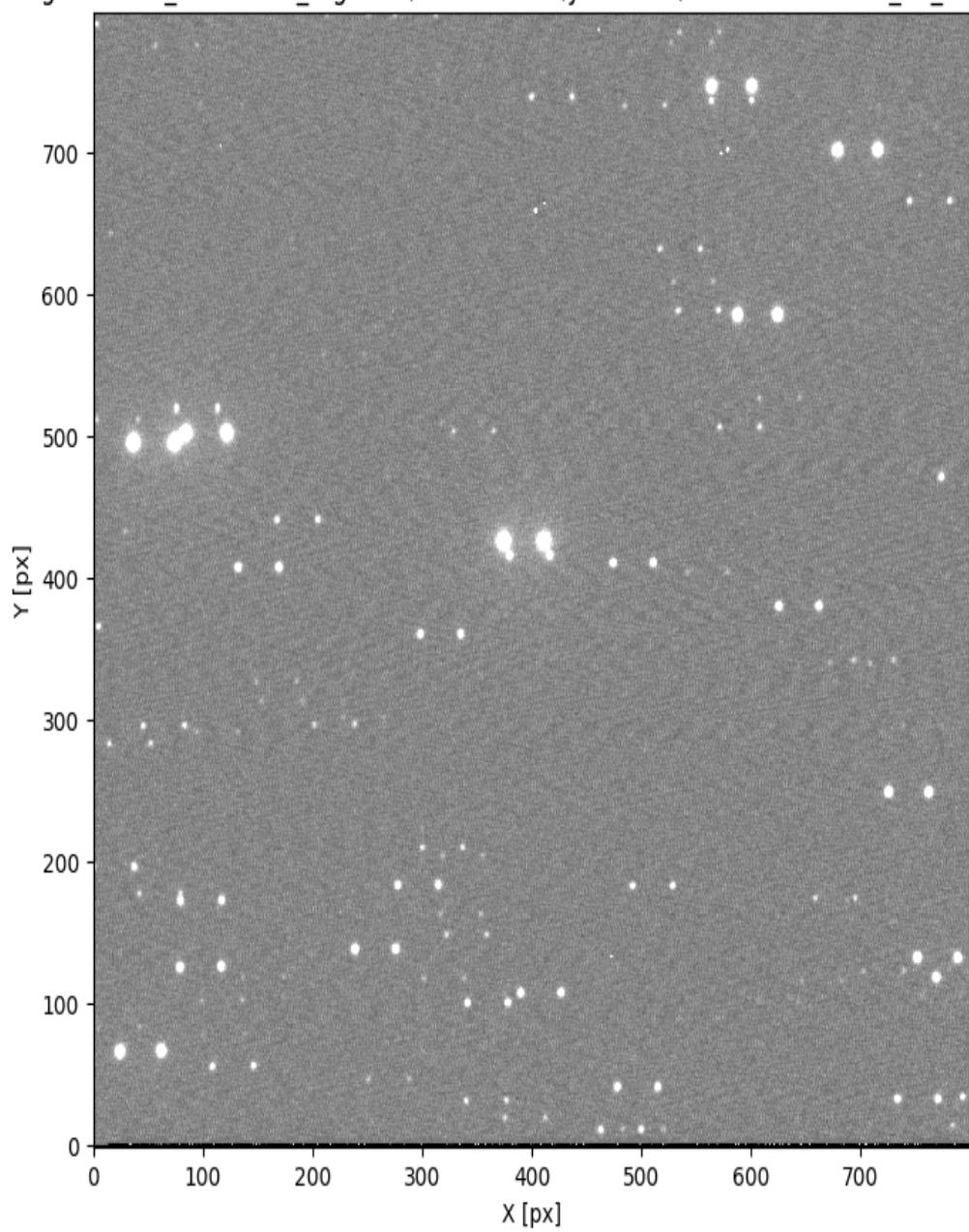


2. Imágenes alineadas

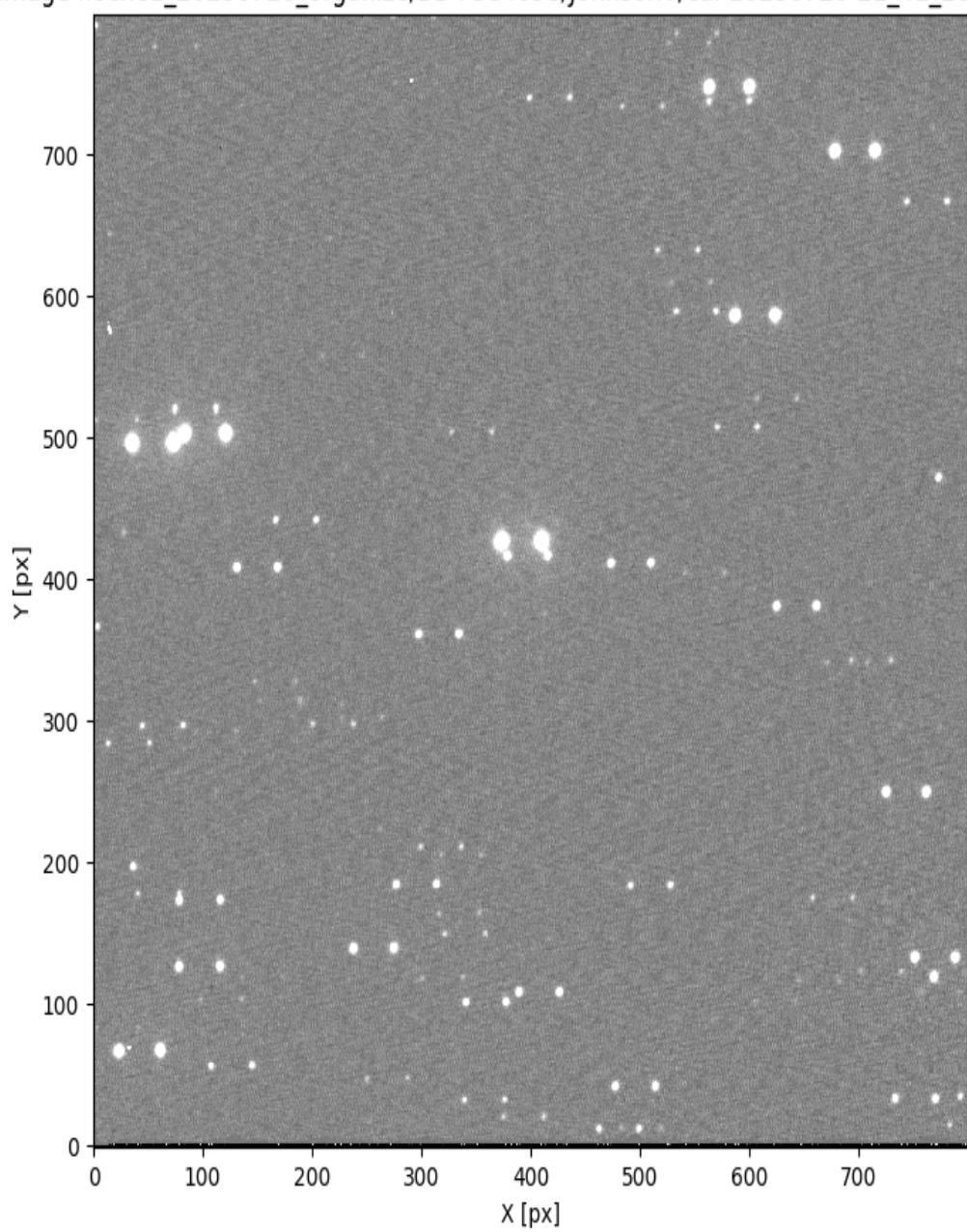
Aligned Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_39_56-sci-blap_b_f.fits



Aligned Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_40_42-sci-blap_b_f.fits

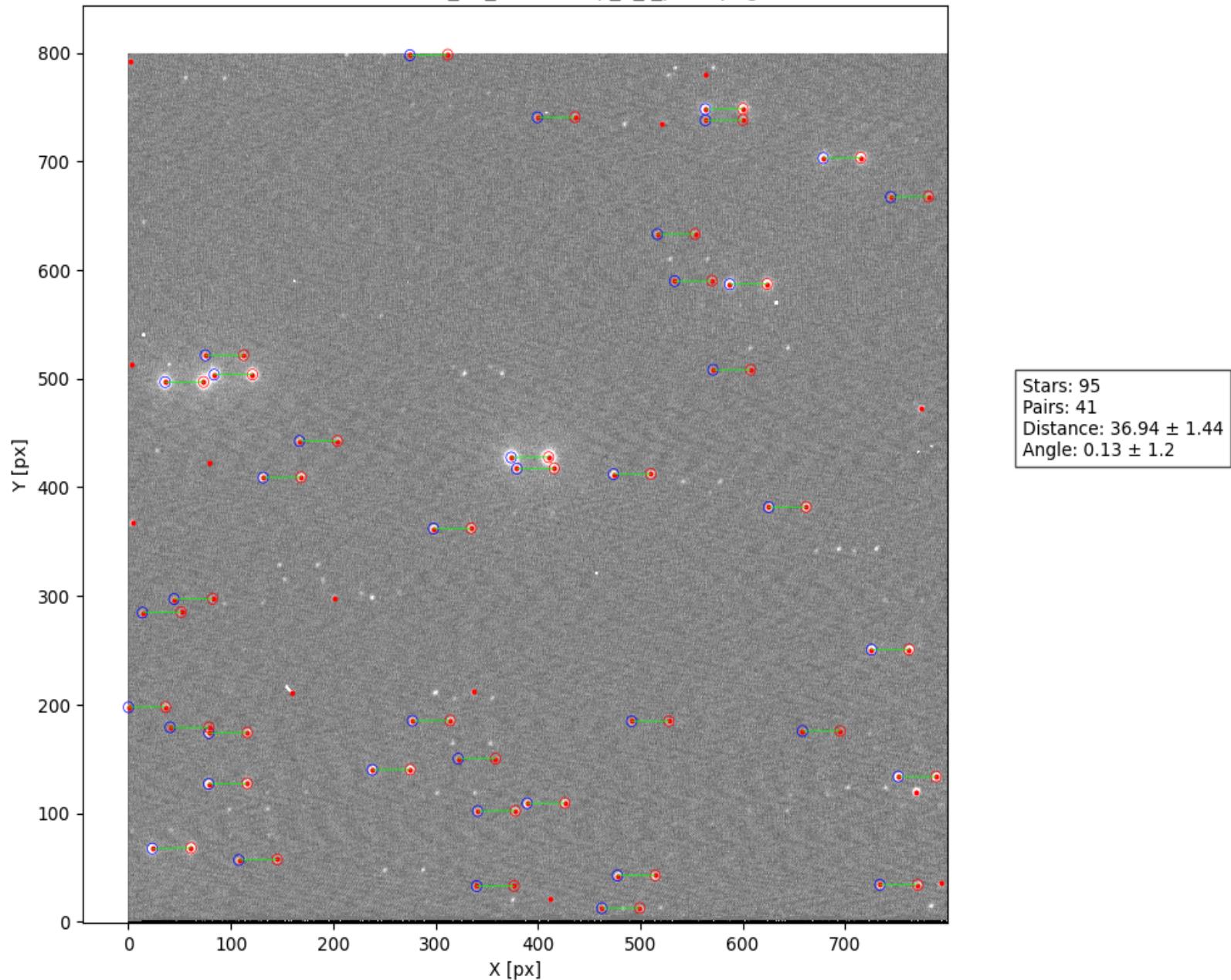


Aligned Image noche1_20230720_organize/BD+384058/JohnsonV/caf-20230720-21_41_28-sci-blap_b_f.fits

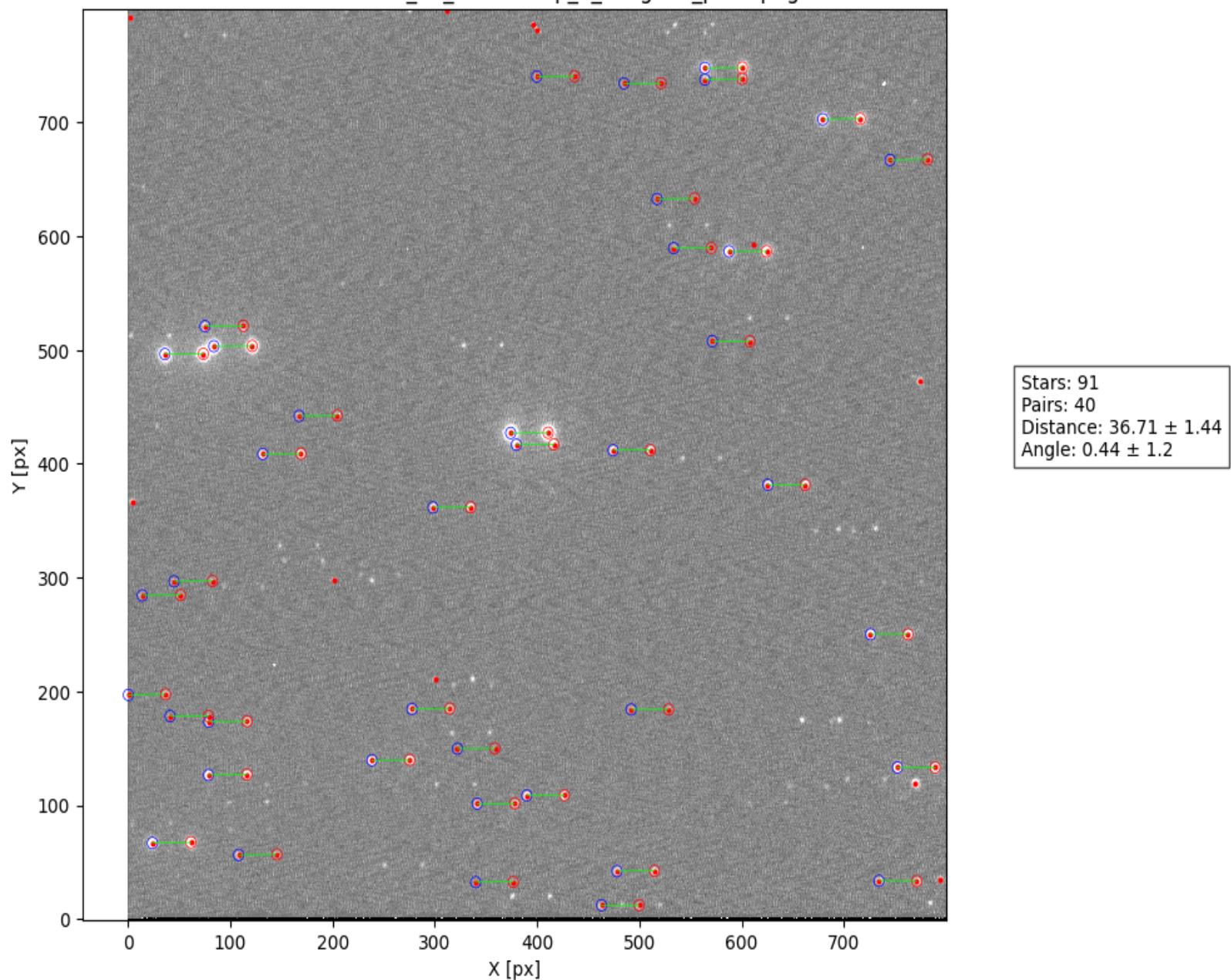


3. Imágenes con pares identificados

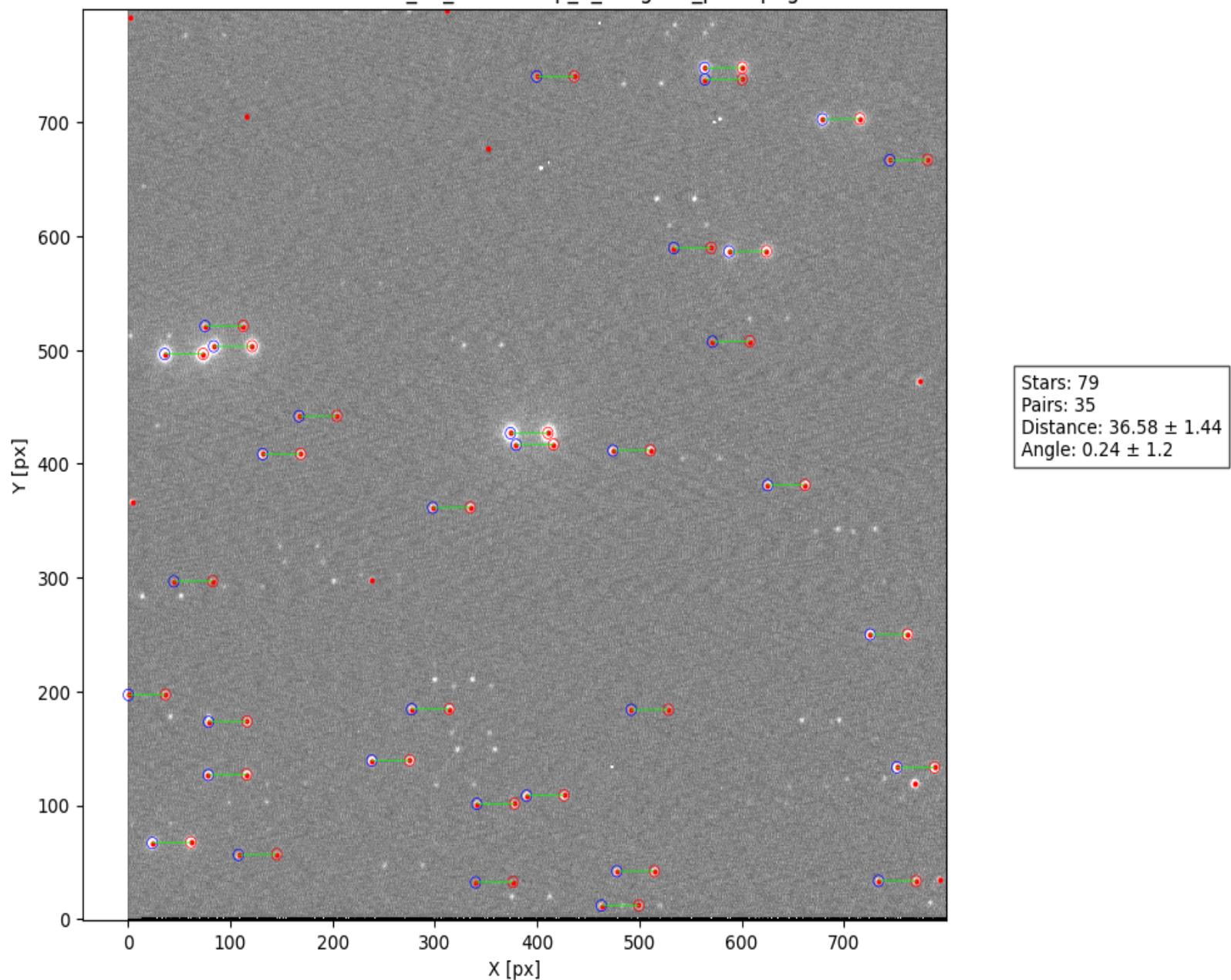
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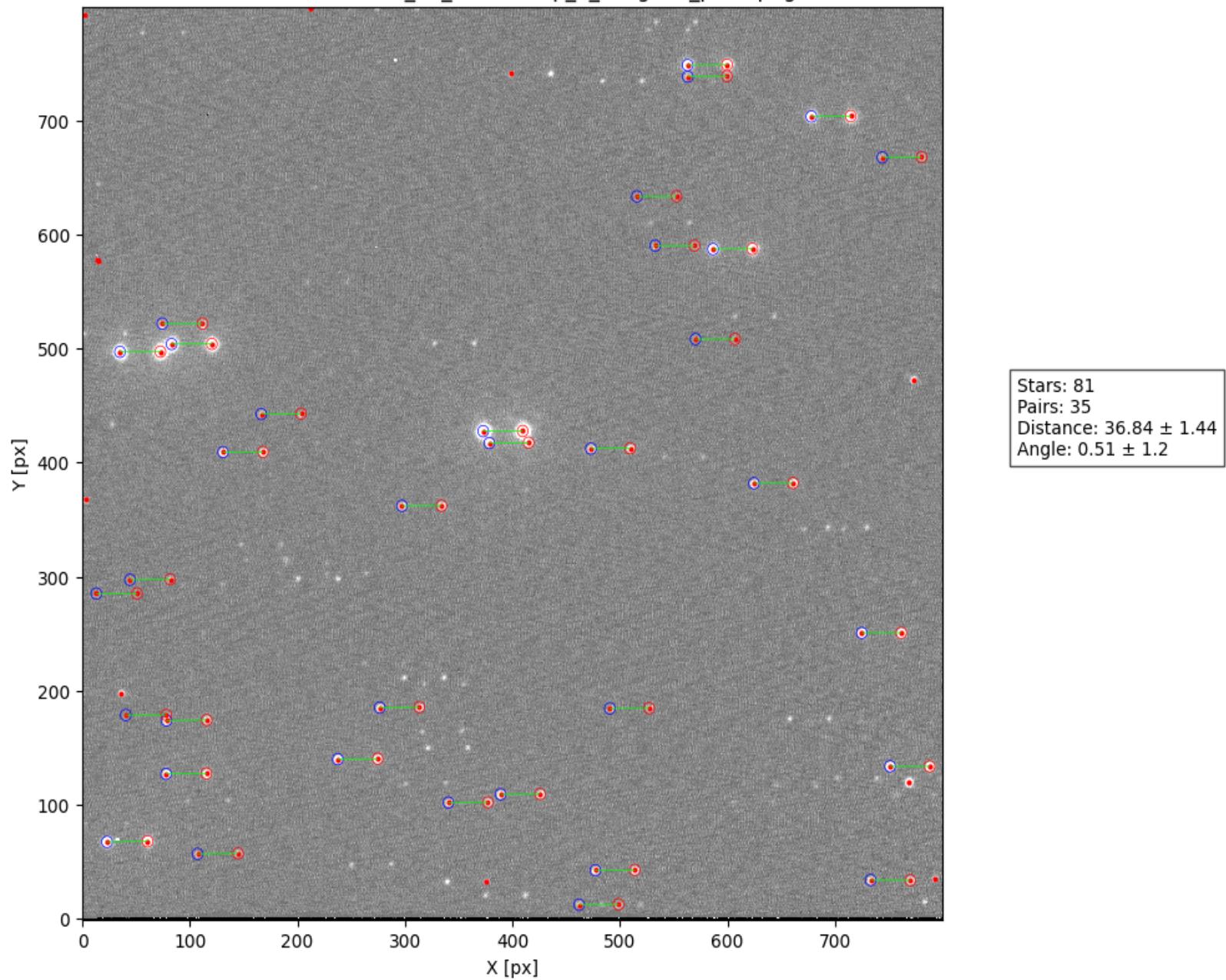
caf-20230720-21_39_56-sci-blap_b_f-aligned_pairs.png



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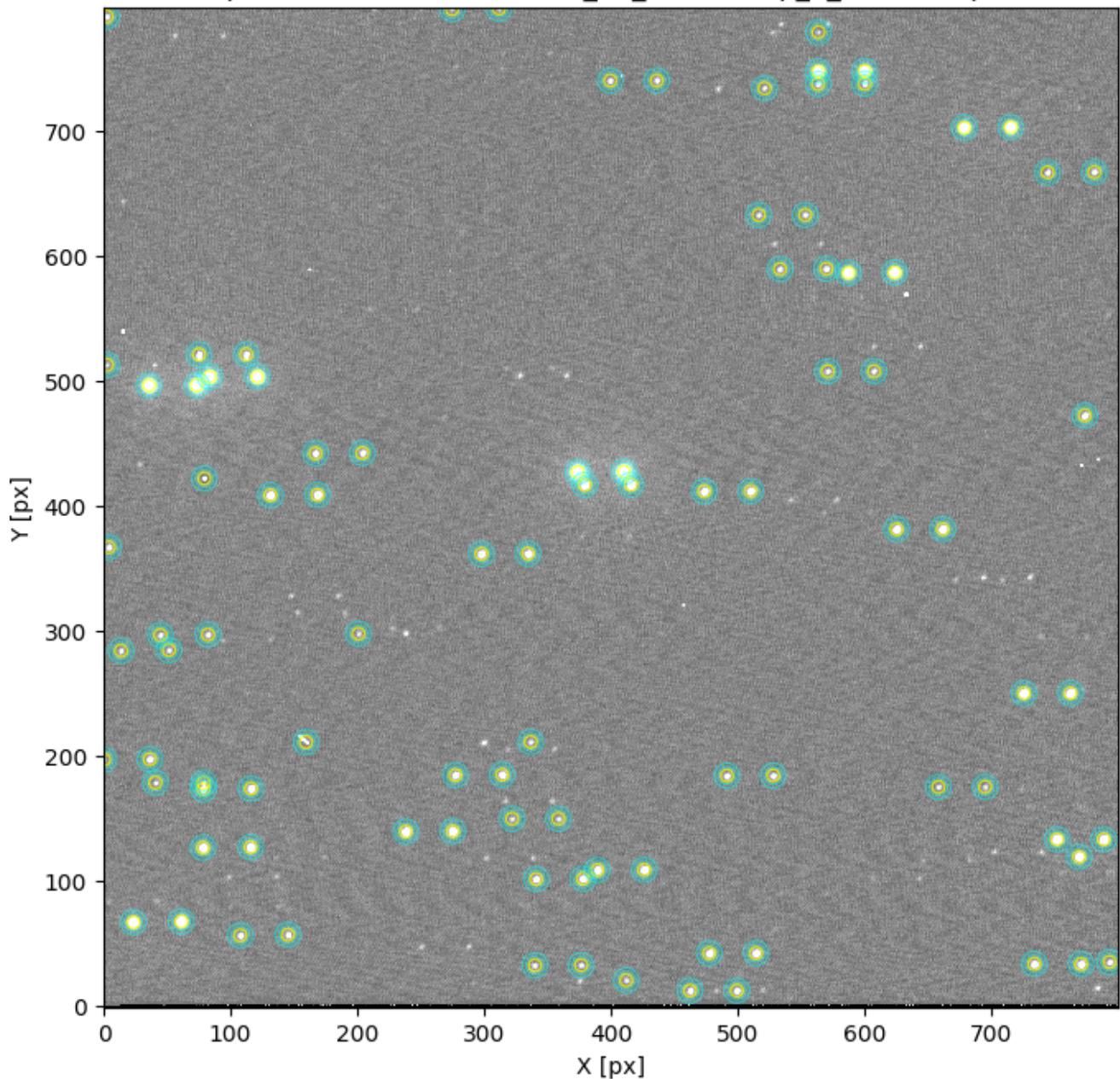


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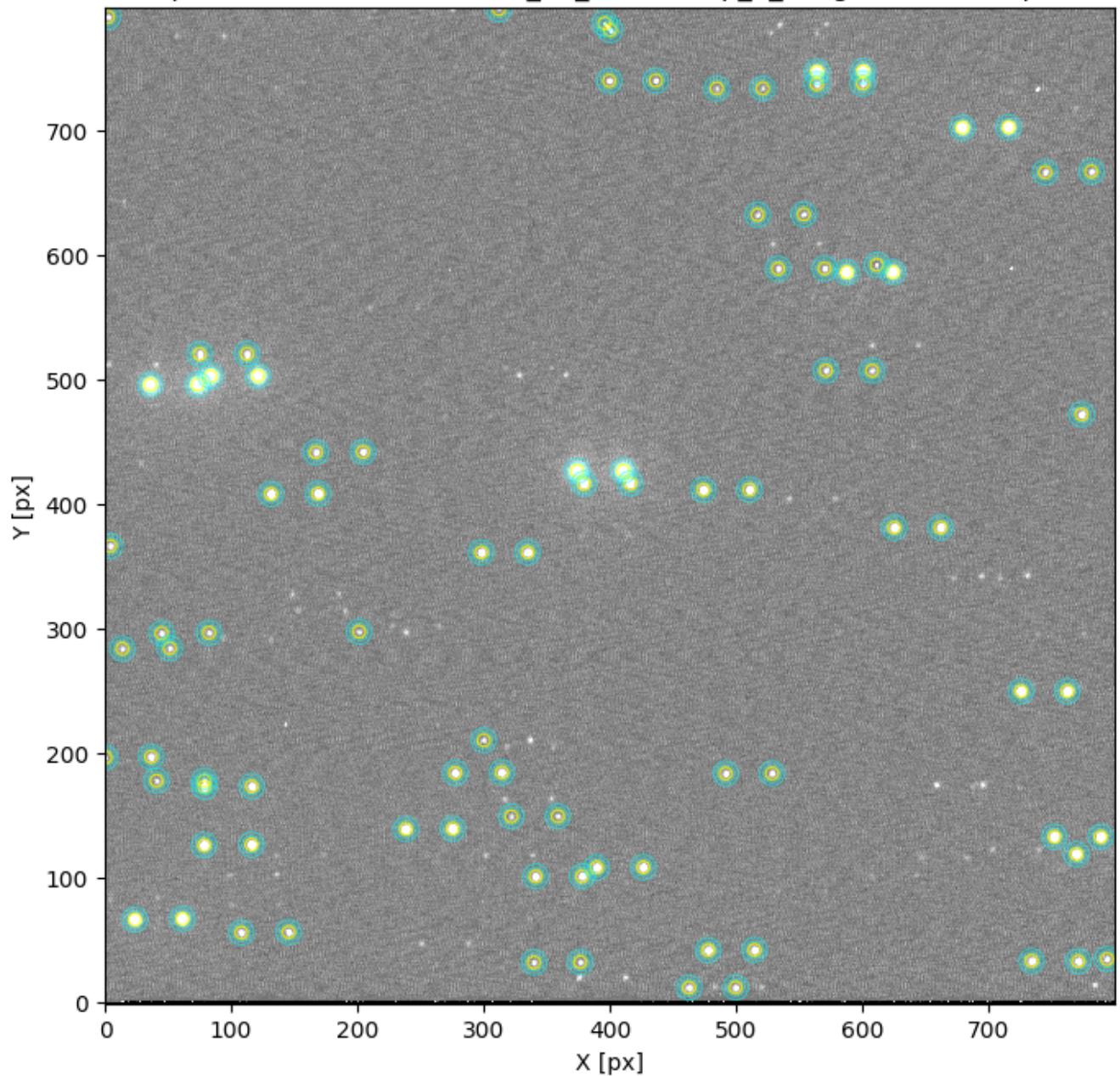


4. Fotometría — Aperturas

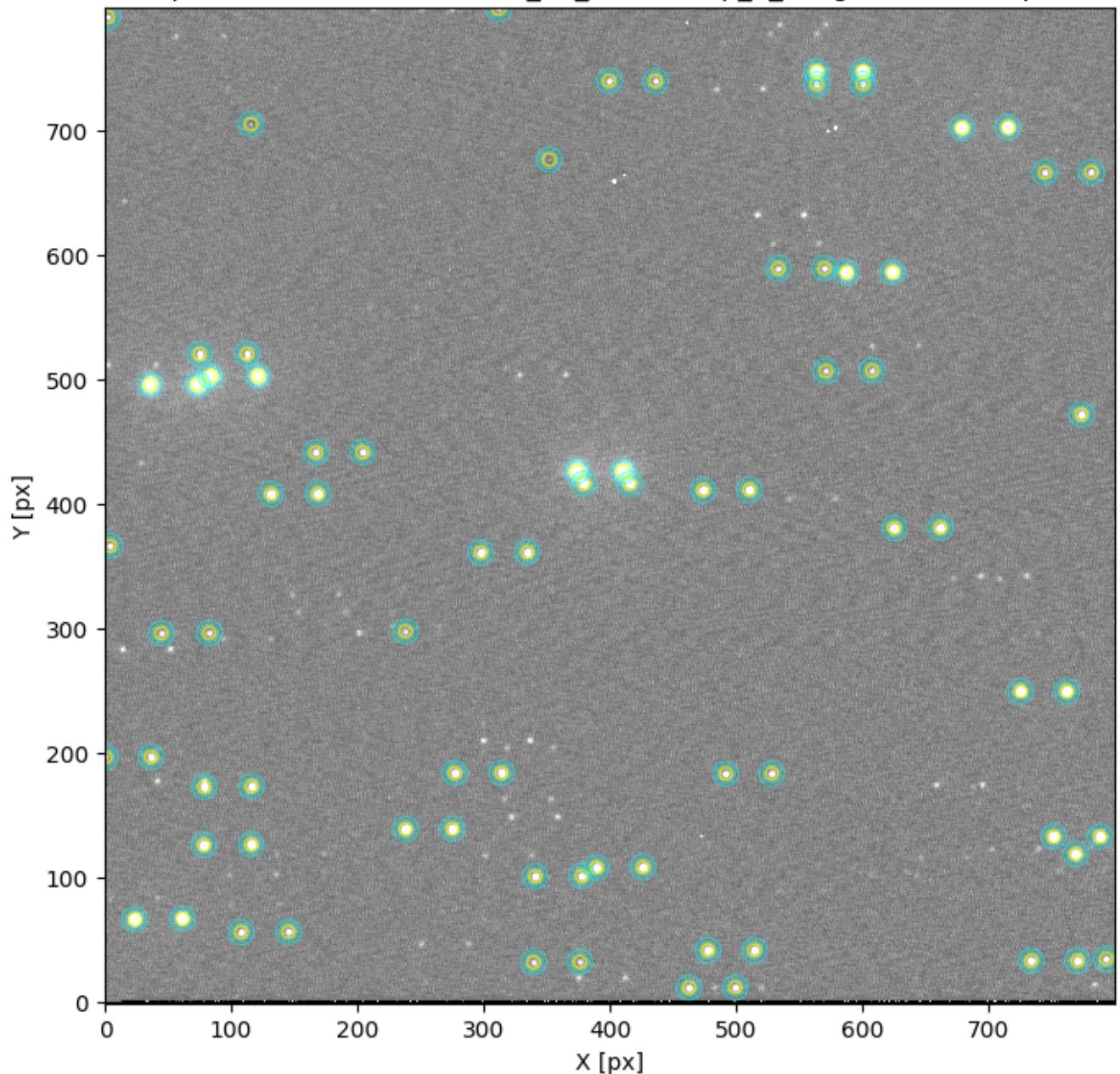
Apertures caf-20230720-21_39_10-sci-blap_b_f.fits ($r=5\text{px}$)



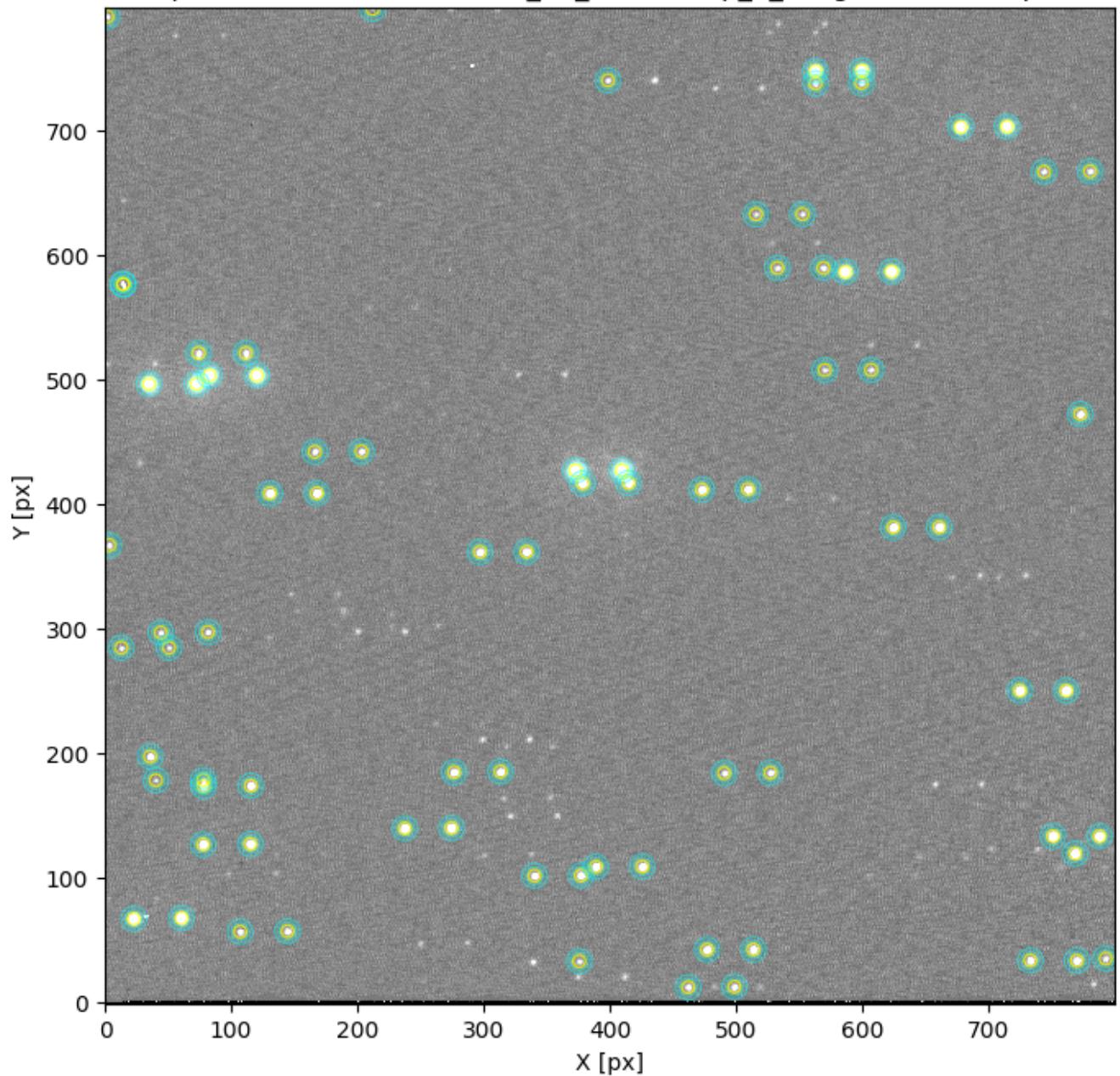
Apertures caf-20230720-21_39_56-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230720-21_40_42-sci-blap_b_f-aligned.fits (r=5px)

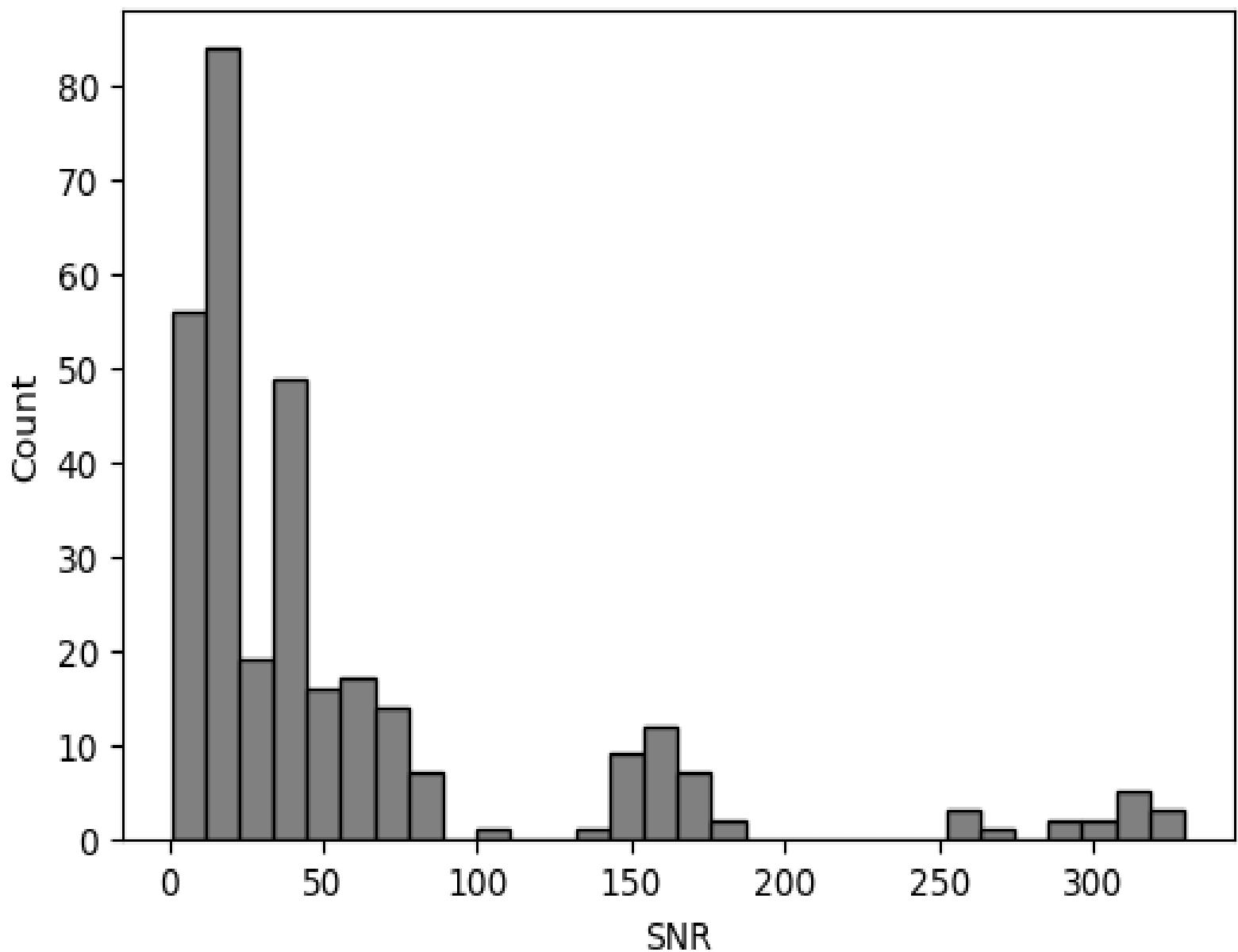


Apertures caf-20230720-21_41_28-sci-blap_b_f-aligned.fits (r=5px)

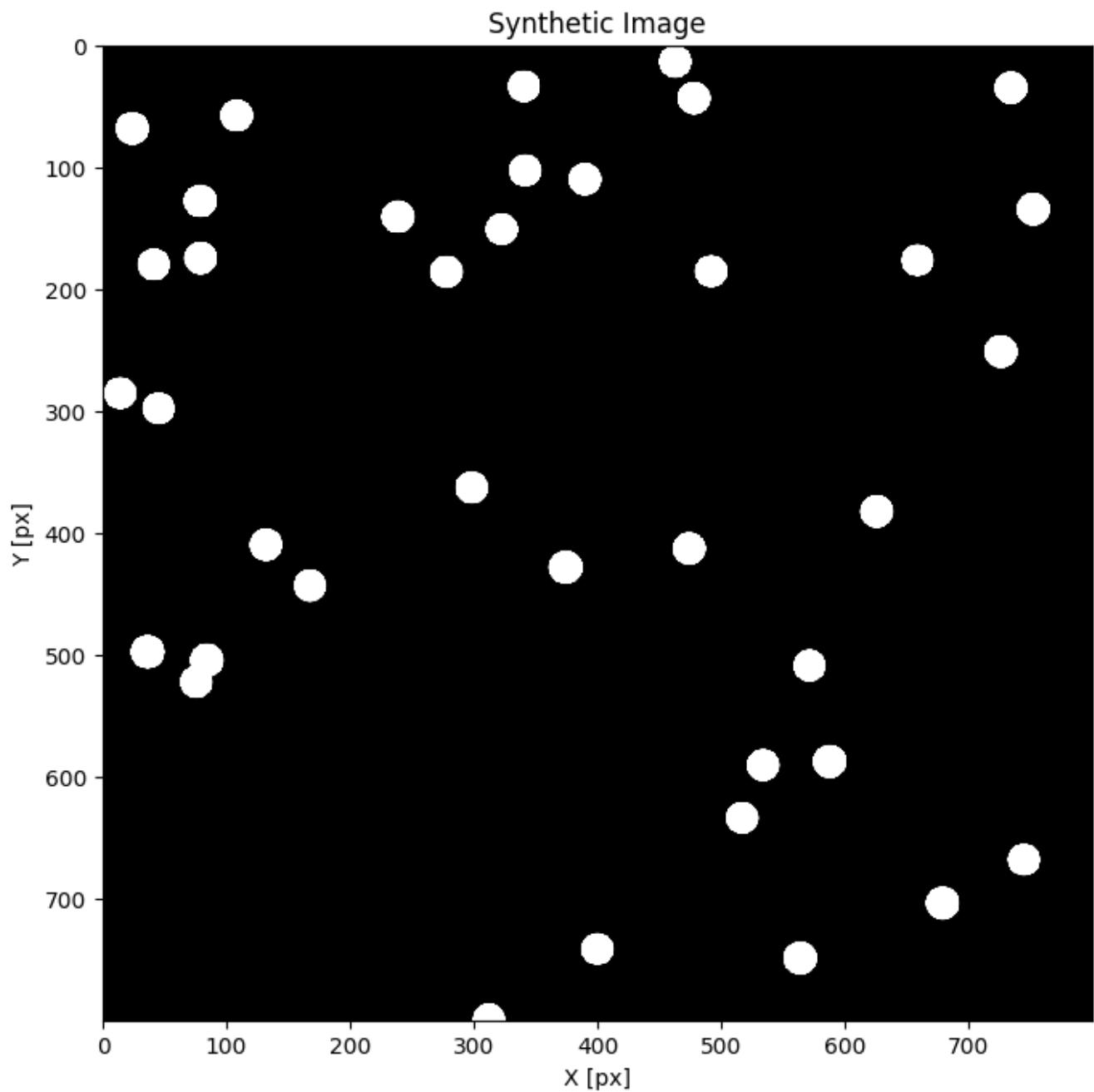


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



5. Astrometría — Imagen sintética

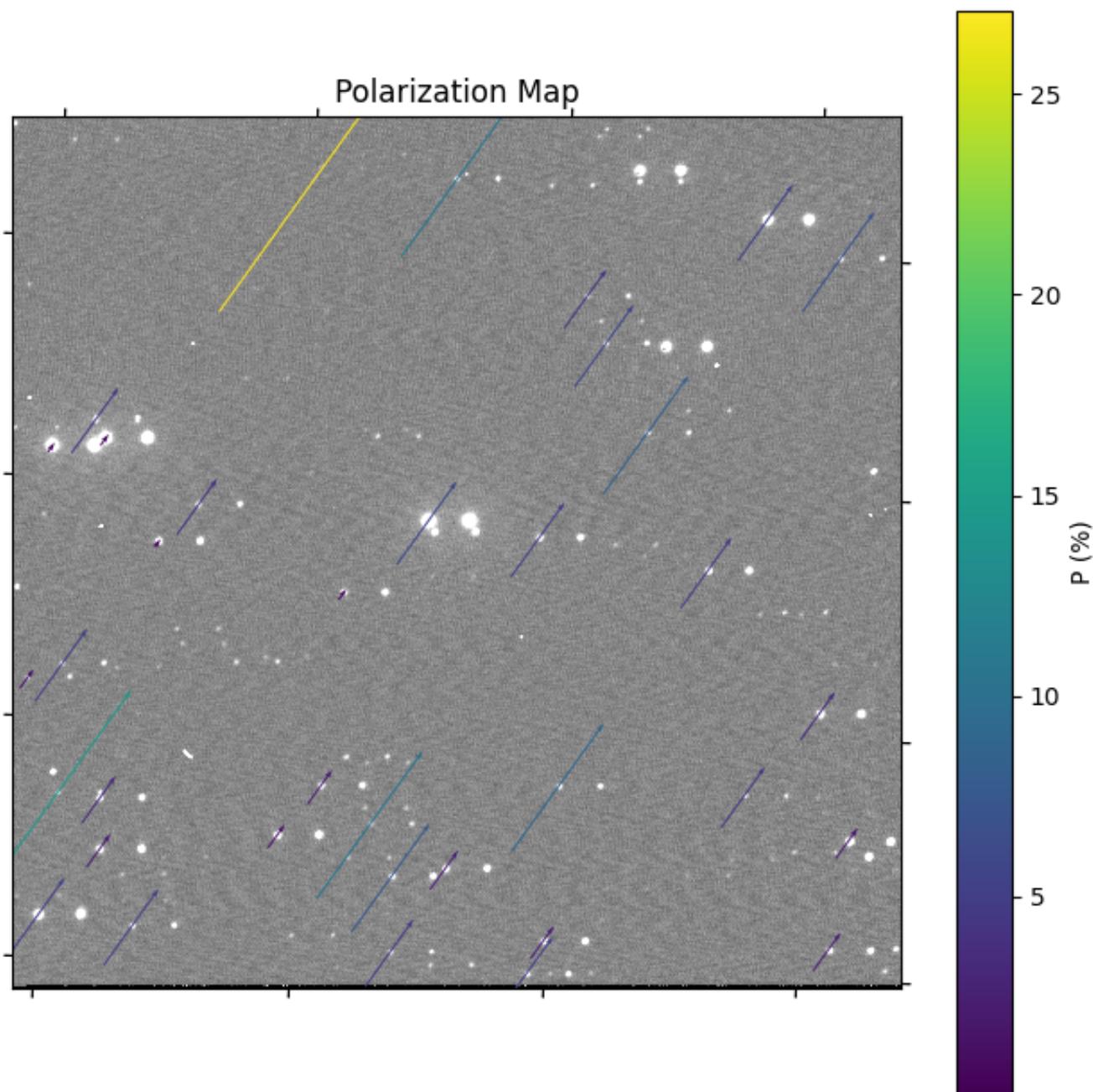


5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
0	305.790947	39.364464	Gaia DR2 2061240537203705728	EmLine*
1	305.794036	39.346551	ZTF J202312.09+392026.0	EclBin
2	305.796663	39.403941	NVSS J202309+392352	Radio
3	305.796684	39.366527	Gaia DR2 2061240537203703424	EmLine*
4	305.797206	39.312636	ZTF J202309.36+391845.5	RSCVnV*
5	305.798717	39.300314	TYC 3152-333-1	Star
6	305.807041	39.346361	ZTF J202312.09+392026.0	EclBin
7	305.808686	39.353364	No_ID	
8	305.810240	39.308004	Gaia DR2 2061239403332307840	EmLine*
9	305.815560	39.406111	Gaia DR2 2061428721185185792	EmLine*
10	305.813590	39.331202	Gaia DR2 2061240227966040448	EmLine*
11	305.816021	39.343368	No_ID	
12	305.819058	39.307801	Gaia DR2 2061239403332307840	EmLine*
13	305.822871	39.392259	2MASS J20231719+3923587	YSO_Candidate
14	305.819826	39.302267	Gaia DR2 2061239403332307840	EmLine*
15	305.823539	39.367880	Gaia DR2 2061240571563430912	EmLine*
16	305.822329	39.336679	Gaia DR2 2061240227966040448	EmLine*
18	305.837448	39.401757	No_ID	
19	305.839544	39.297793	No_ID	
20	305.842083	39.302238	No_ID	
21	305.855819	39.338798	No_ID	
22	305.861576	39.386484	No_ID	
23	305.863676	39.314315	No_ID	
24	305.866362	39.364200	ZTF J202327.47+392137.8	EclBin
26	305.868632	39.349549	BD+38 4058	EclBin
27	305.870212	39.319323	No_ID	
28	305.879685	39.299927	HD 229205	Star
29	305.881260	39.306871	TYC 3152-143-1	Star
30	305.885126	39.377950	No_ID	
31	305.884573	39.305533	TYC 3152-143-1	Star
32	305.900117	39.379962	TYC 3156-168-1	Star
33	305.900329	39.372075	TYC 3156-168-1	Star

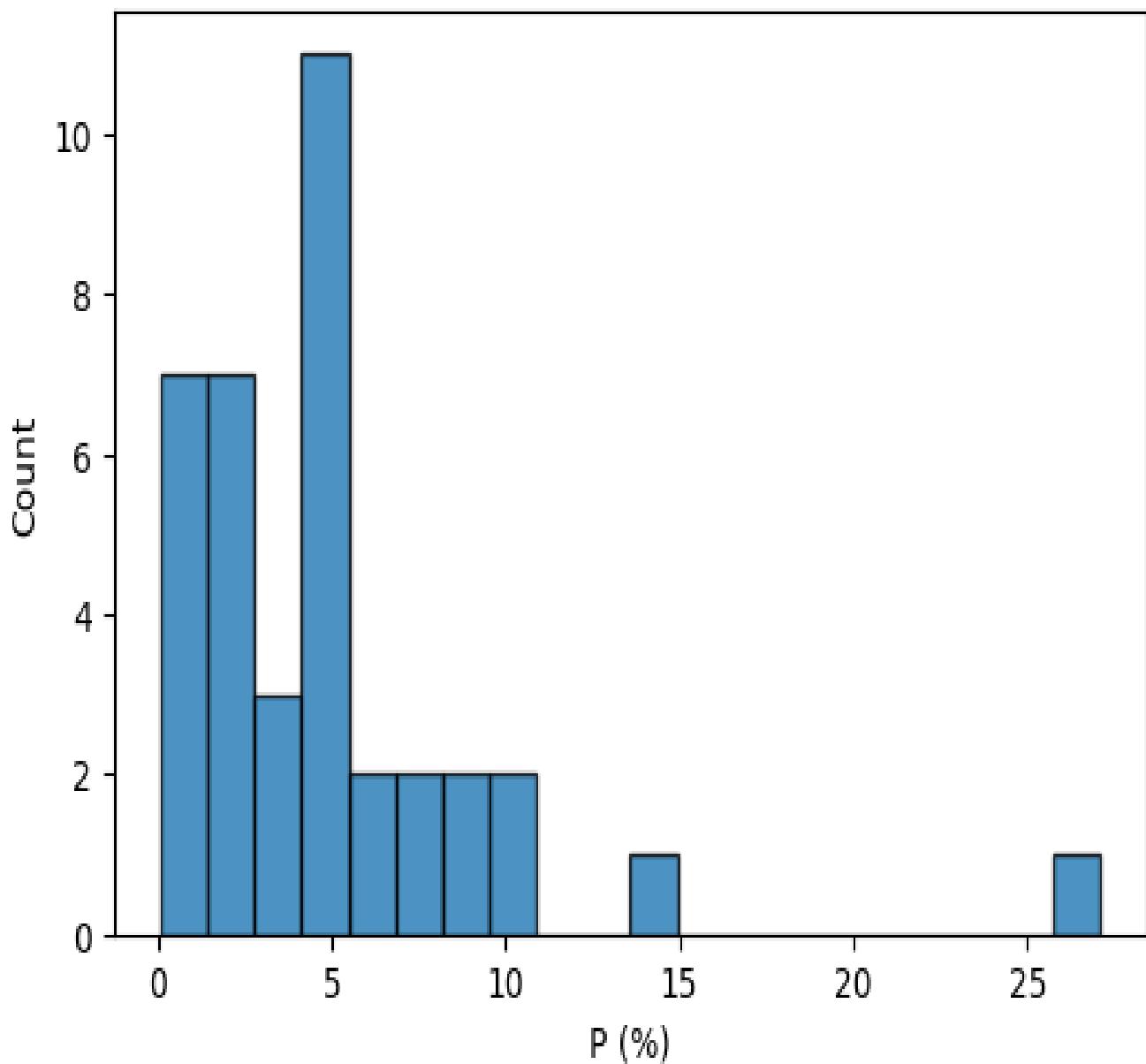
34	305.908396	39.369402	No_ID	
35	305.916372	39.402572	Kiso J202340.73+392354.7	EllipVar
36	305.922702	39.392778	TYC 3156-101-1	Star
38	305.927982	39.351768	No_ID	
39	305.930474	39.375715	TYC 3156-117-1	Star
40	305.938323	39.338673	Kiso J202343.09+392002.4	EclBin

6. Polarimetría — Mapa de polarización



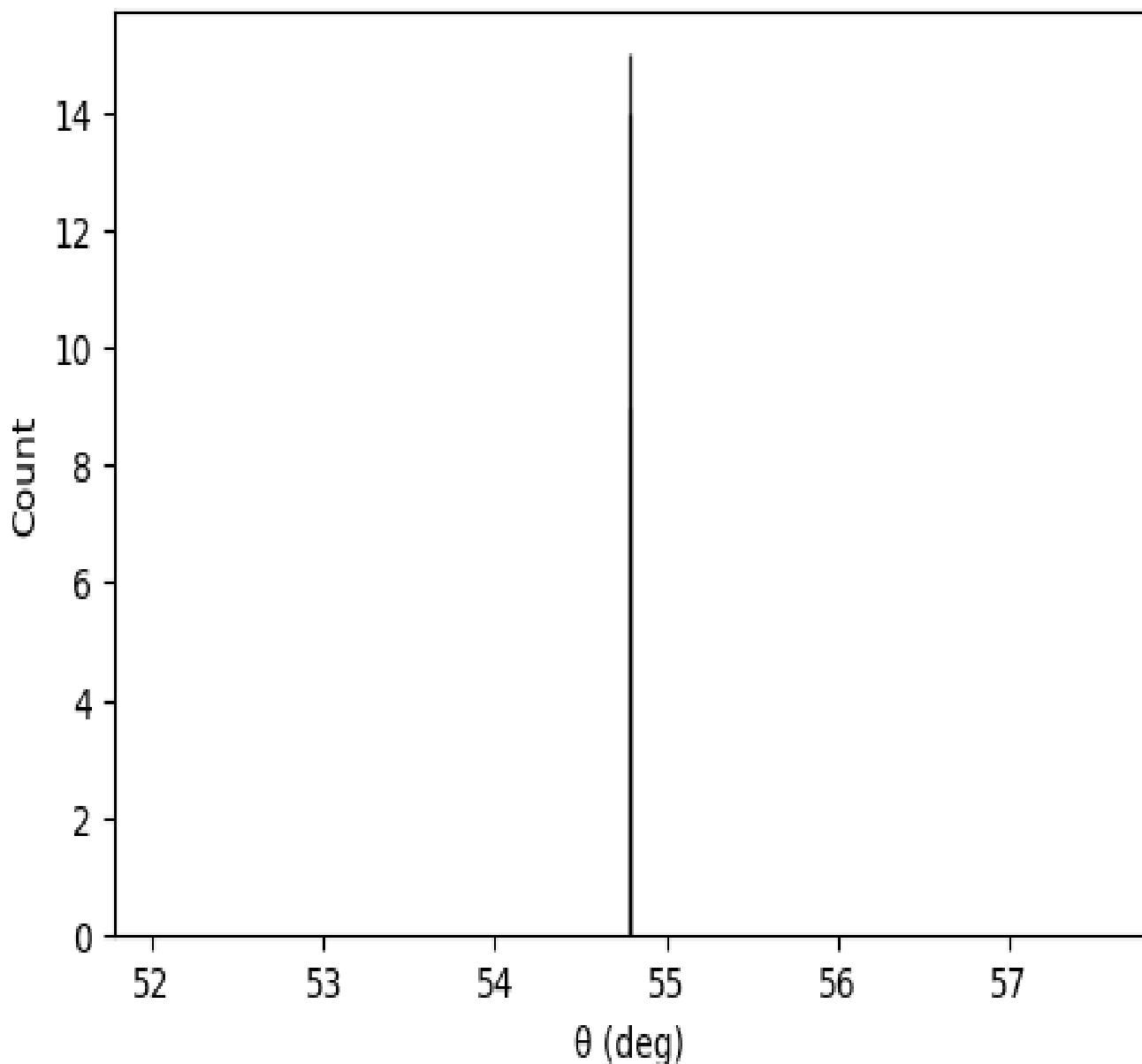
6. Polarimetría — Histograma de P

Histogram of Polarization Degree

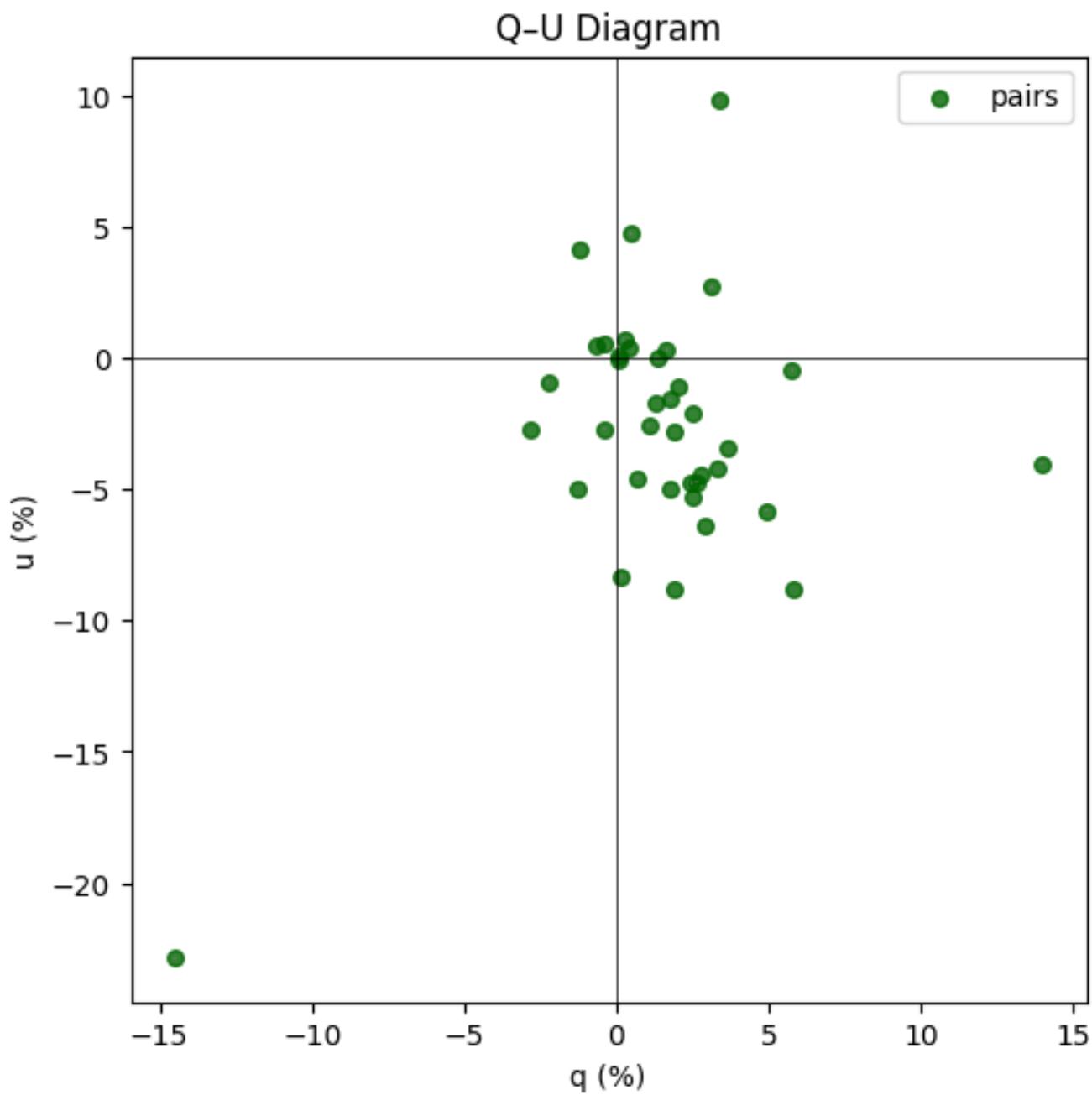


6. Polarimetría — Histograma de θ

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
0	0.058 ± 0.002	0.3999992264259381	0.023 ± 0.092	0.4000000000000001
1	2.535 ± 0.621	0.6000007735740619	-4.833 ± 0.448	0.5999999999999999

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.

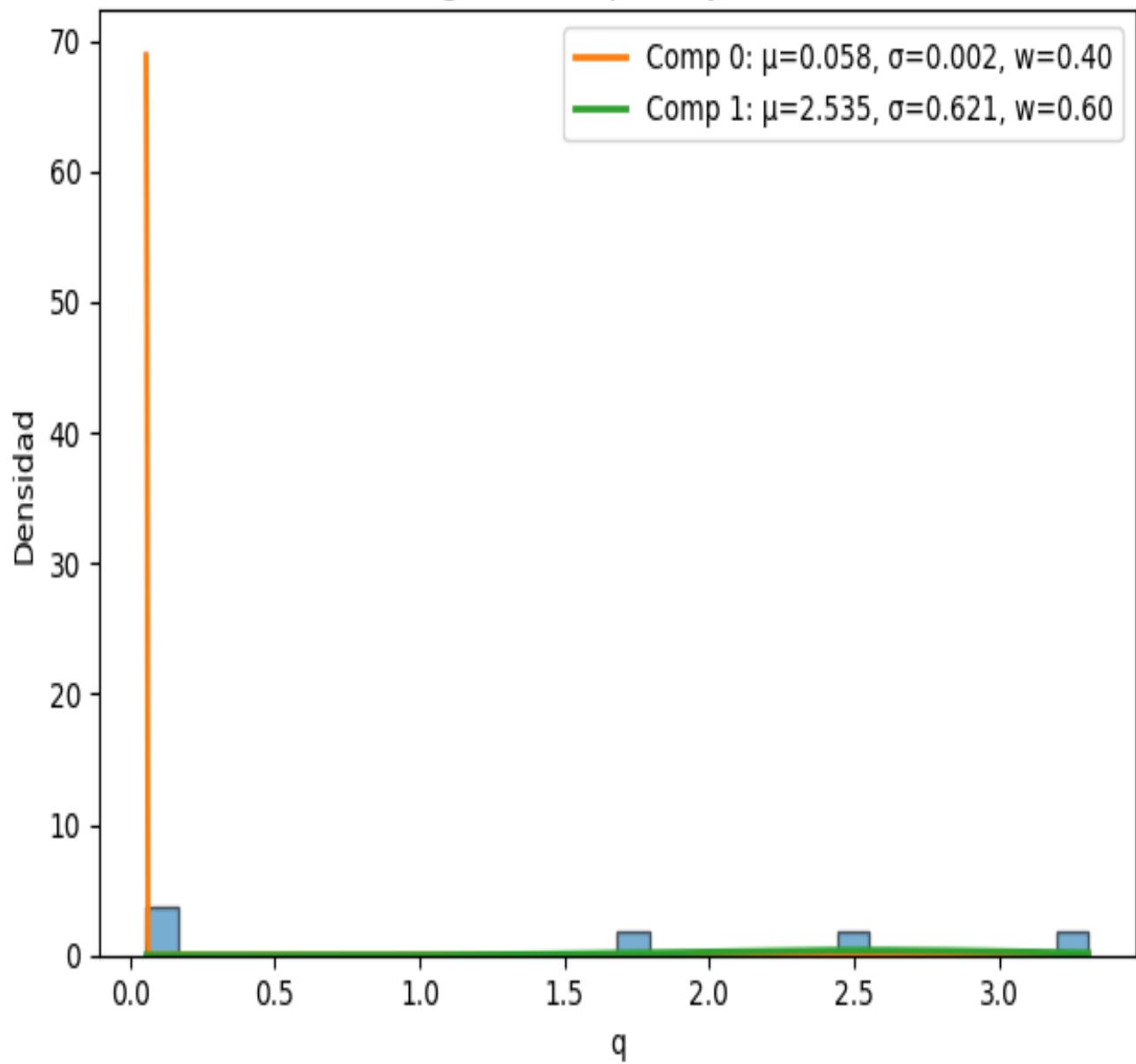
U sigmas: desviaciones estándar (σ) de los componentes gaussianos ajustados a u.

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

