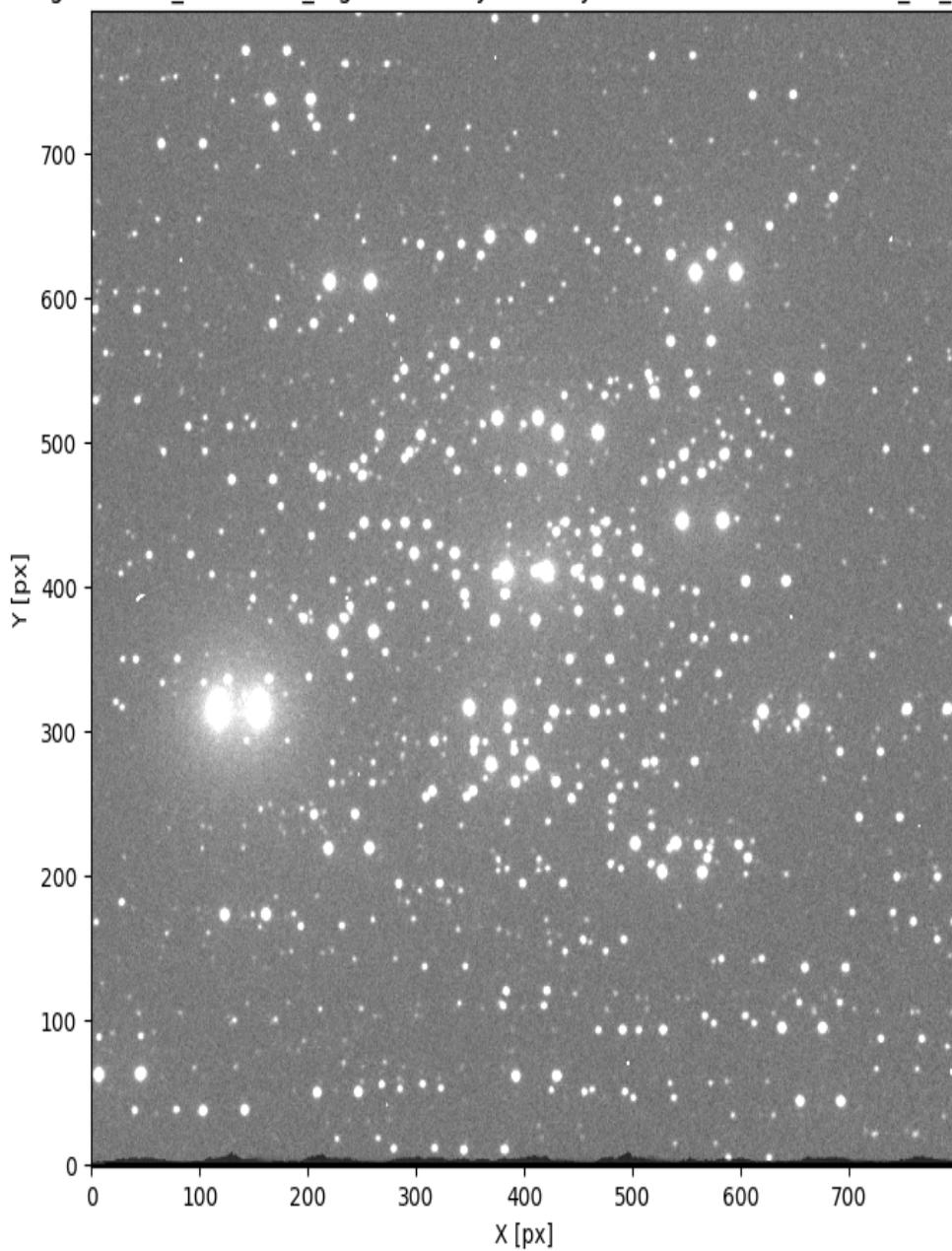
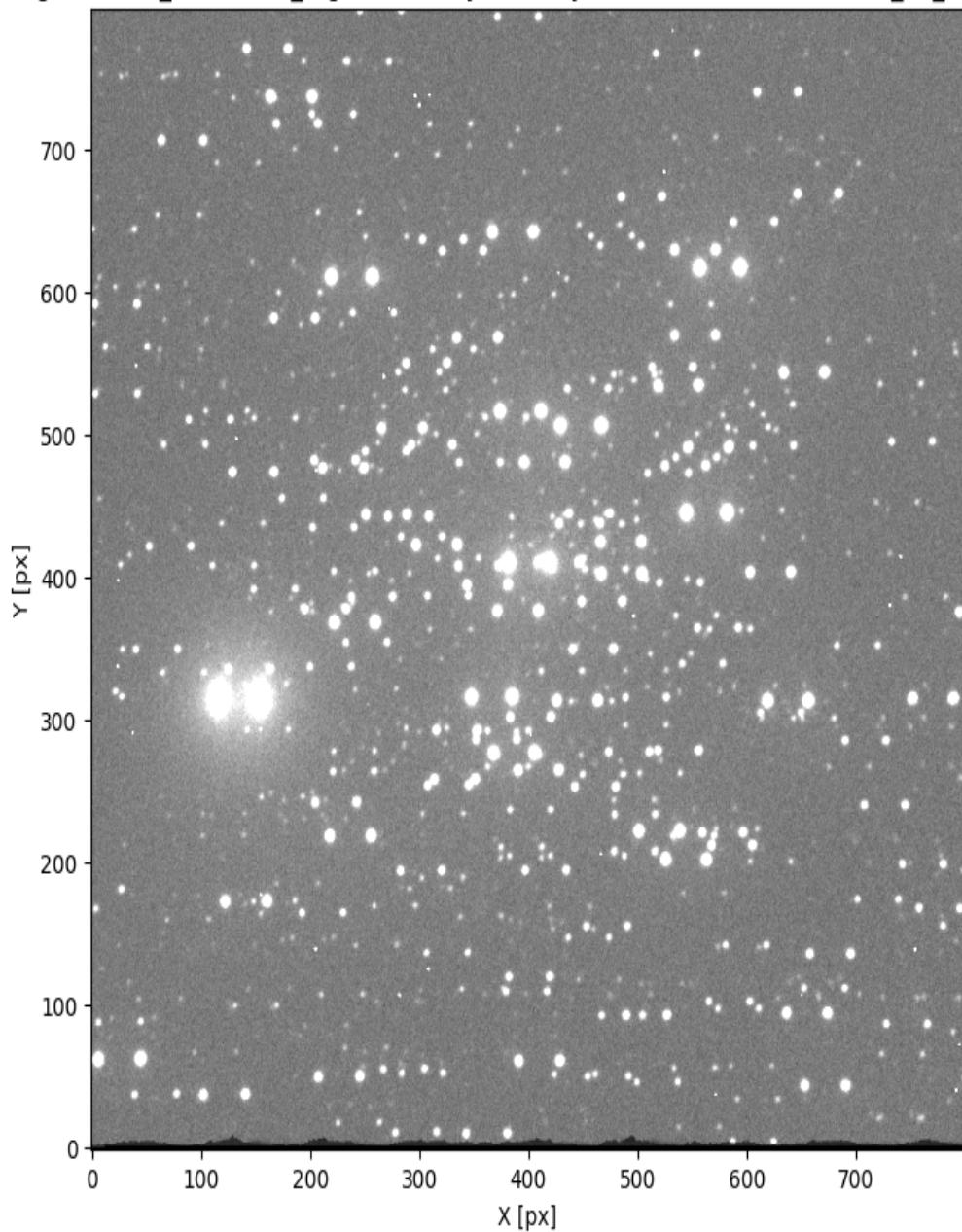


1. Imágenes originales

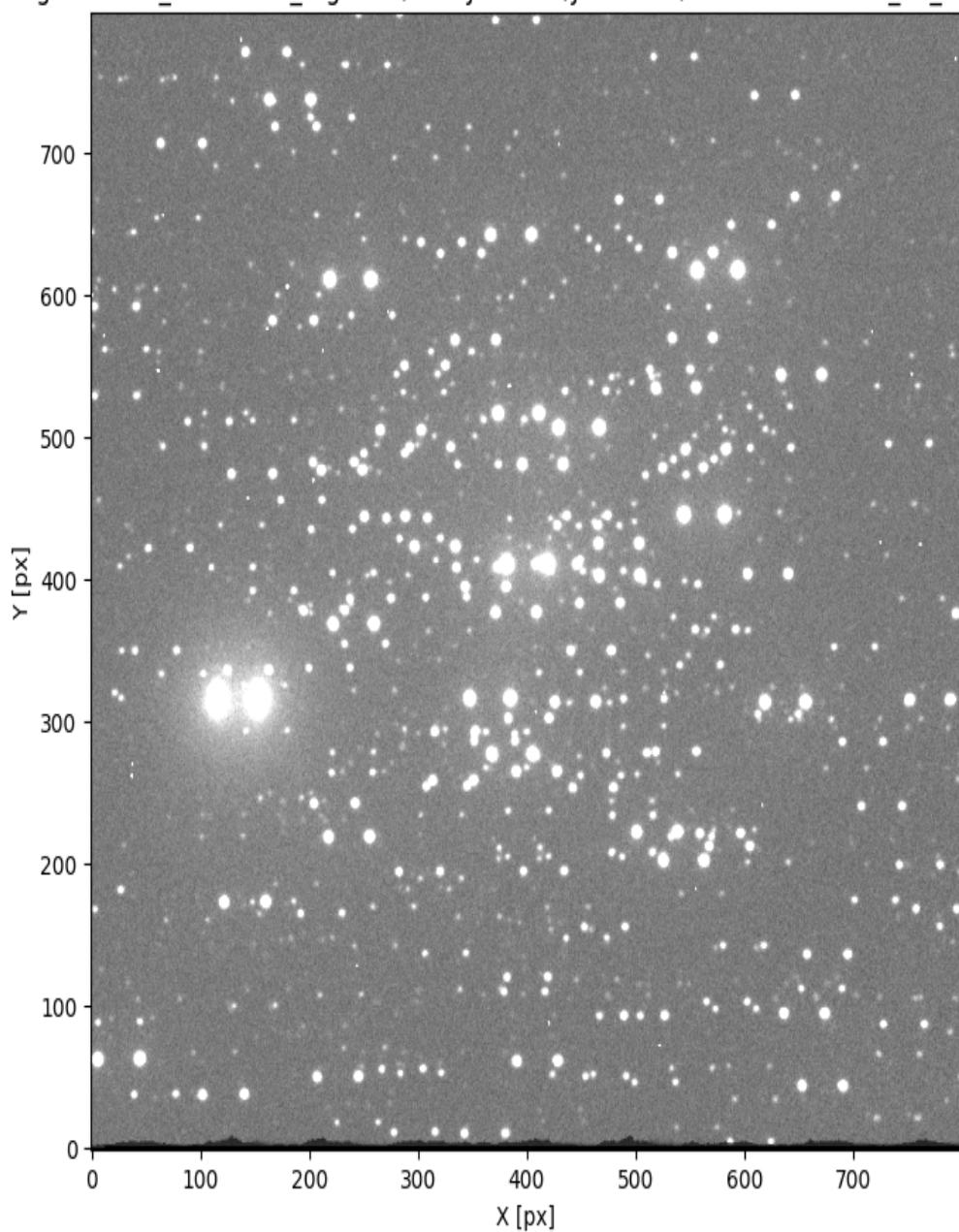
Reference Image noche1_20230720_organize/XMMJ183328/JohnsonB/caf-20230721-00_05_52-sci-blap_b_f.fits



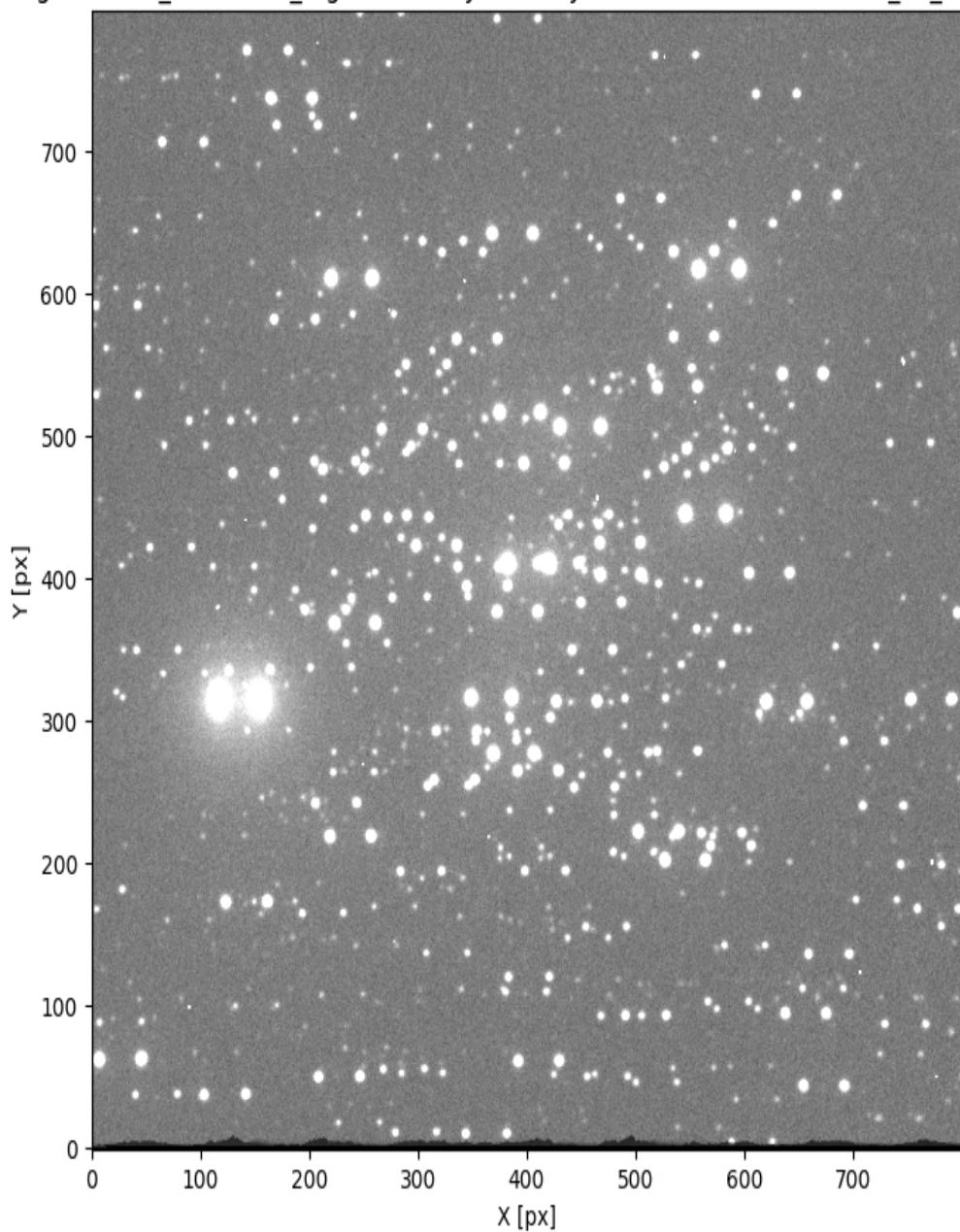
Original Image noche1_20230720_organize/XMMJ183328/JohnsonB/caf-20230721-00_07_55-sci-blap_b_f.fits



Original Image noche1_20230720_organize/XMMJ183328/JohnsonB/caf-20230721-00_09_59-sci-blap_b_f.fits

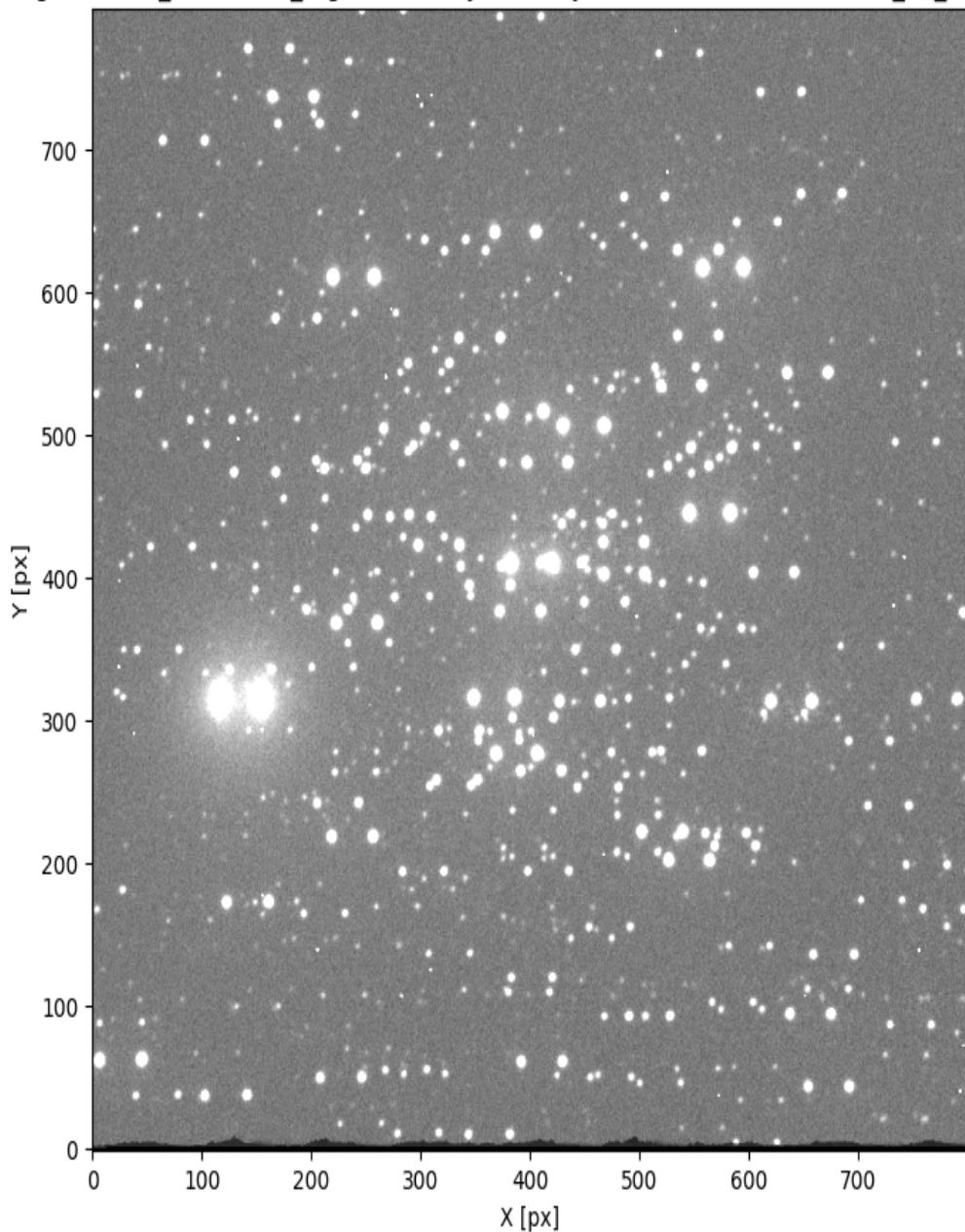


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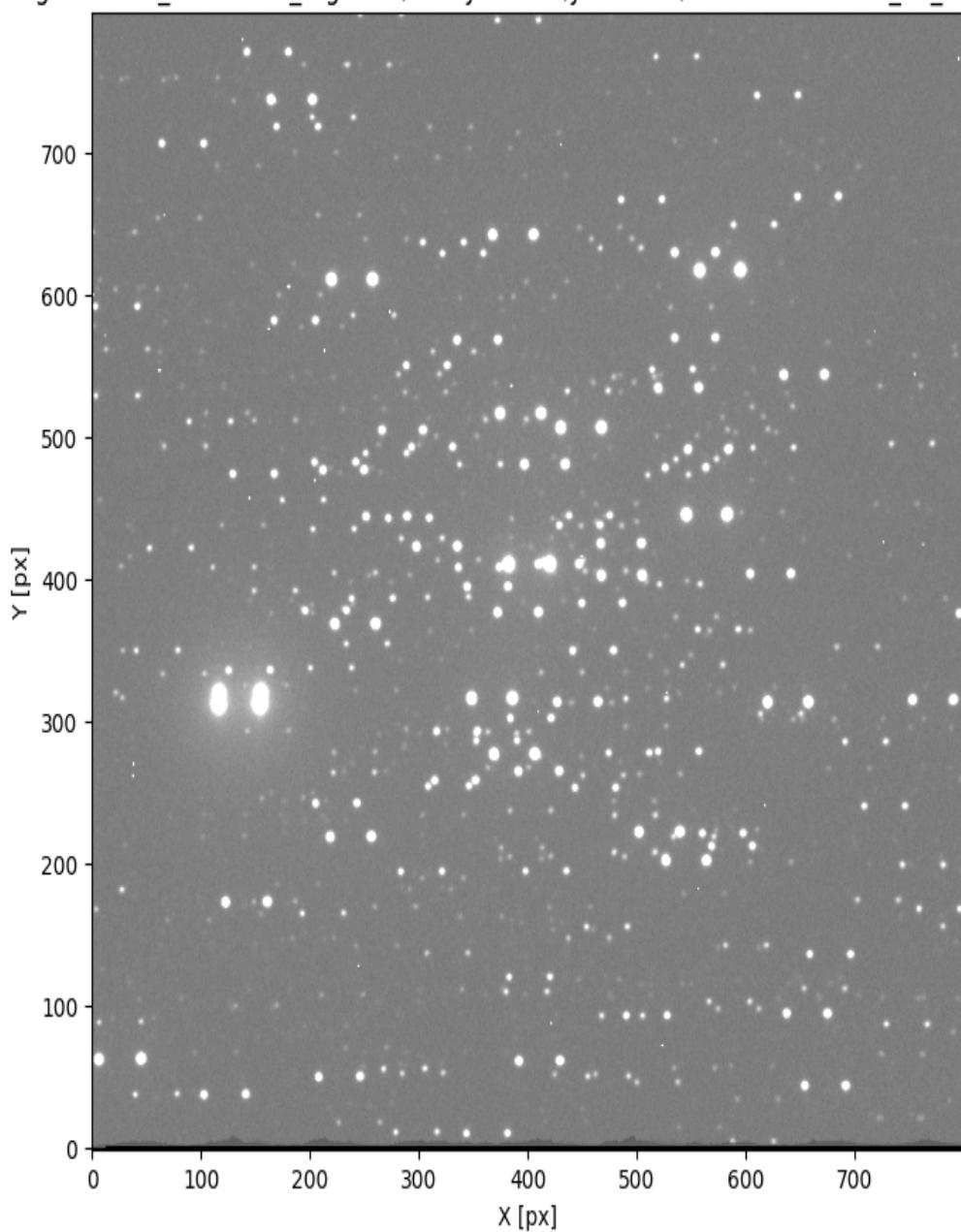


2. Imágenes alineadas

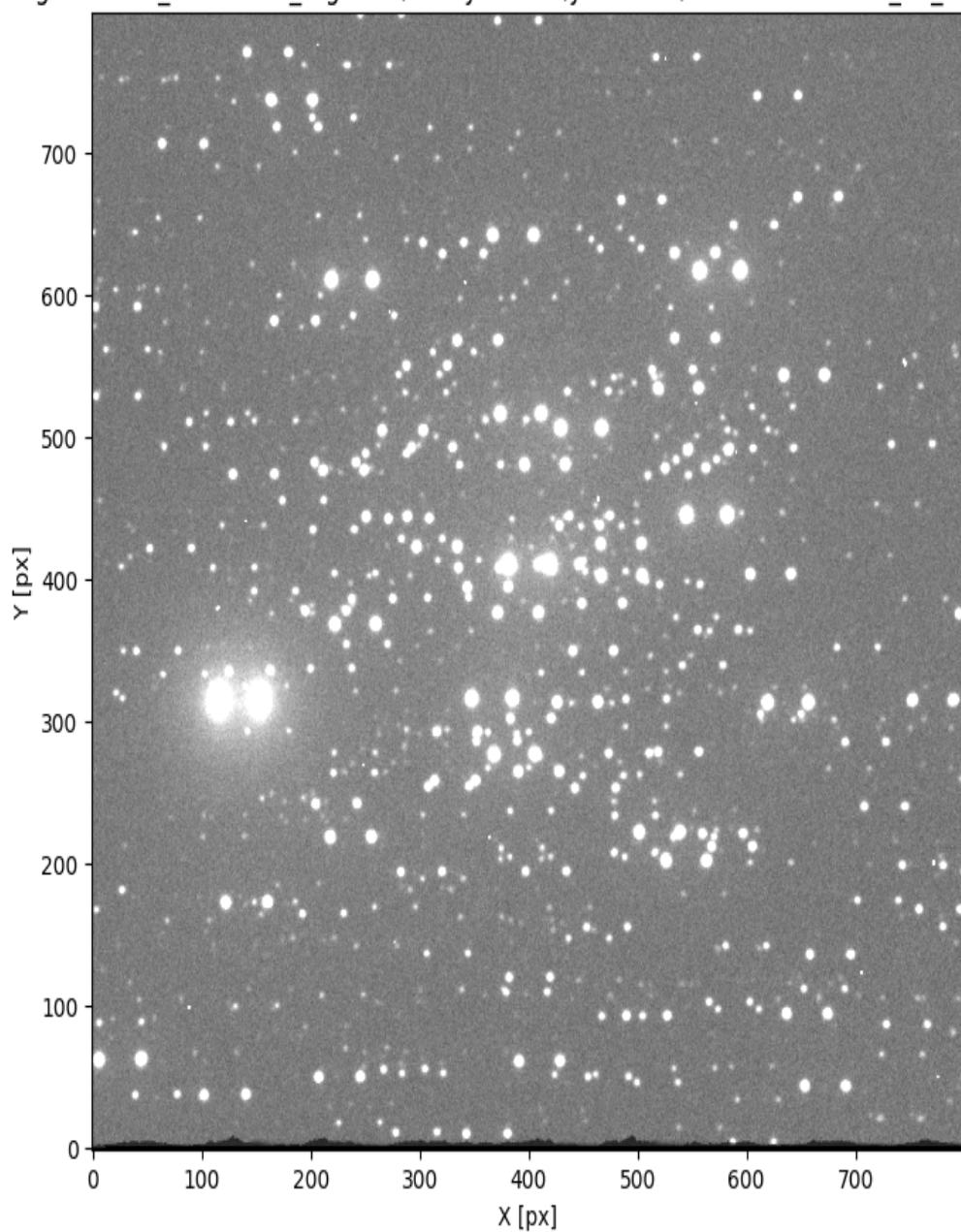
Aligned Image noche1_20230720_organize/XMMJ183328/JohnsonB/caf-20230721-00_07_55-sci-blap_b_f.fits



Aligned Image noche1_20230720_organize/XMMJ183328/JohnsonB/caf-20230721-00_09_59-sci-blap_b_f.fits

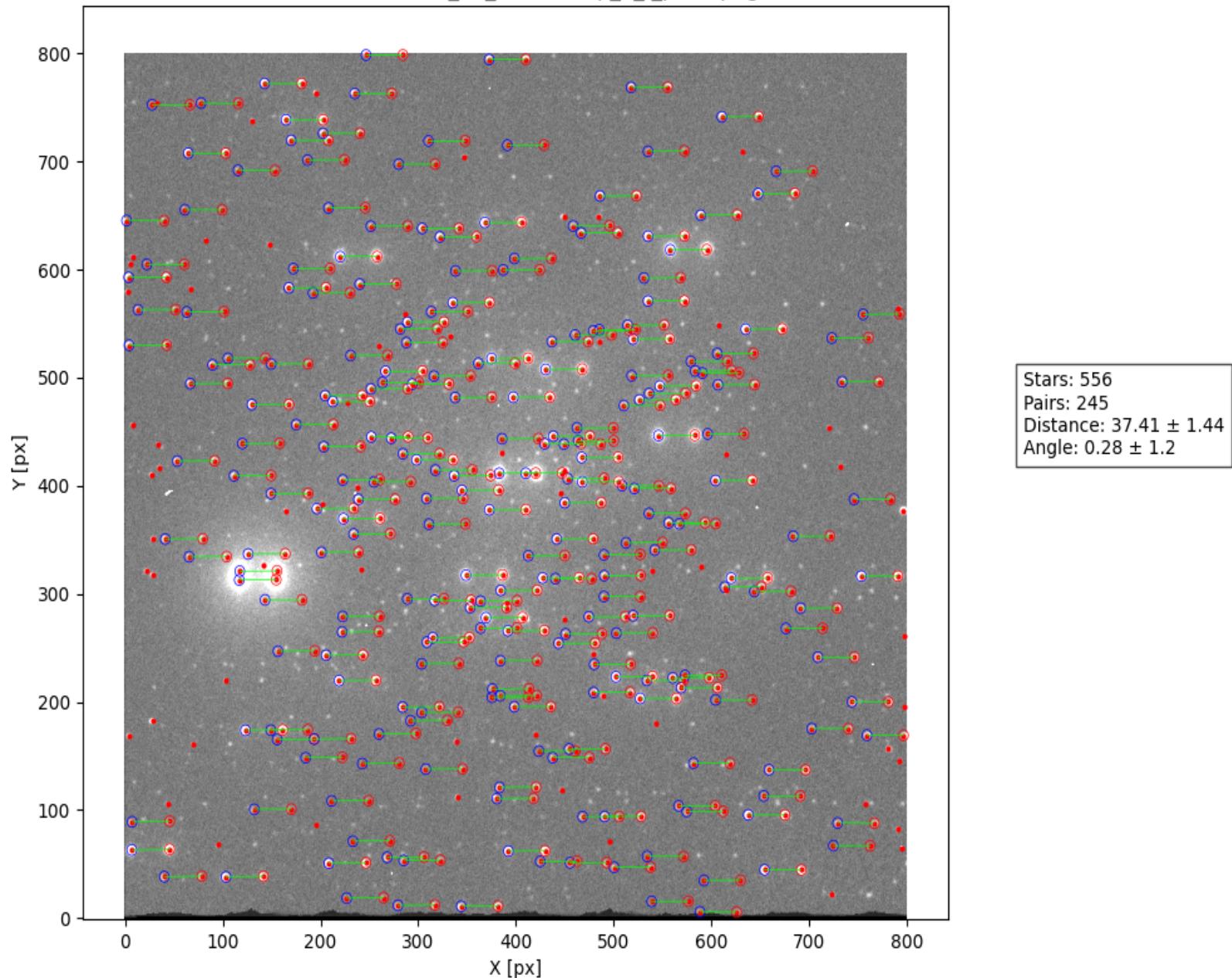


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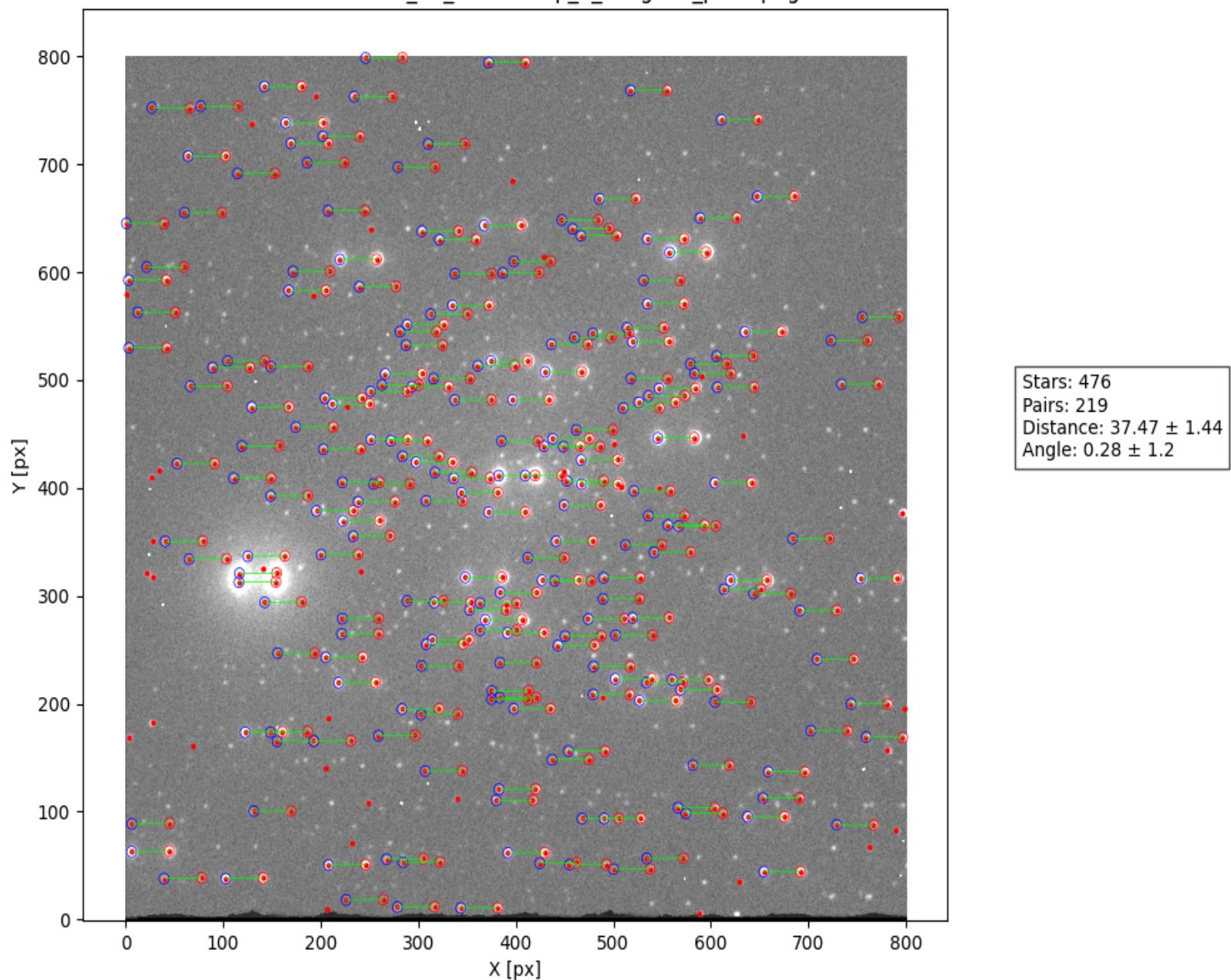


3. Imágenes con pares identificados

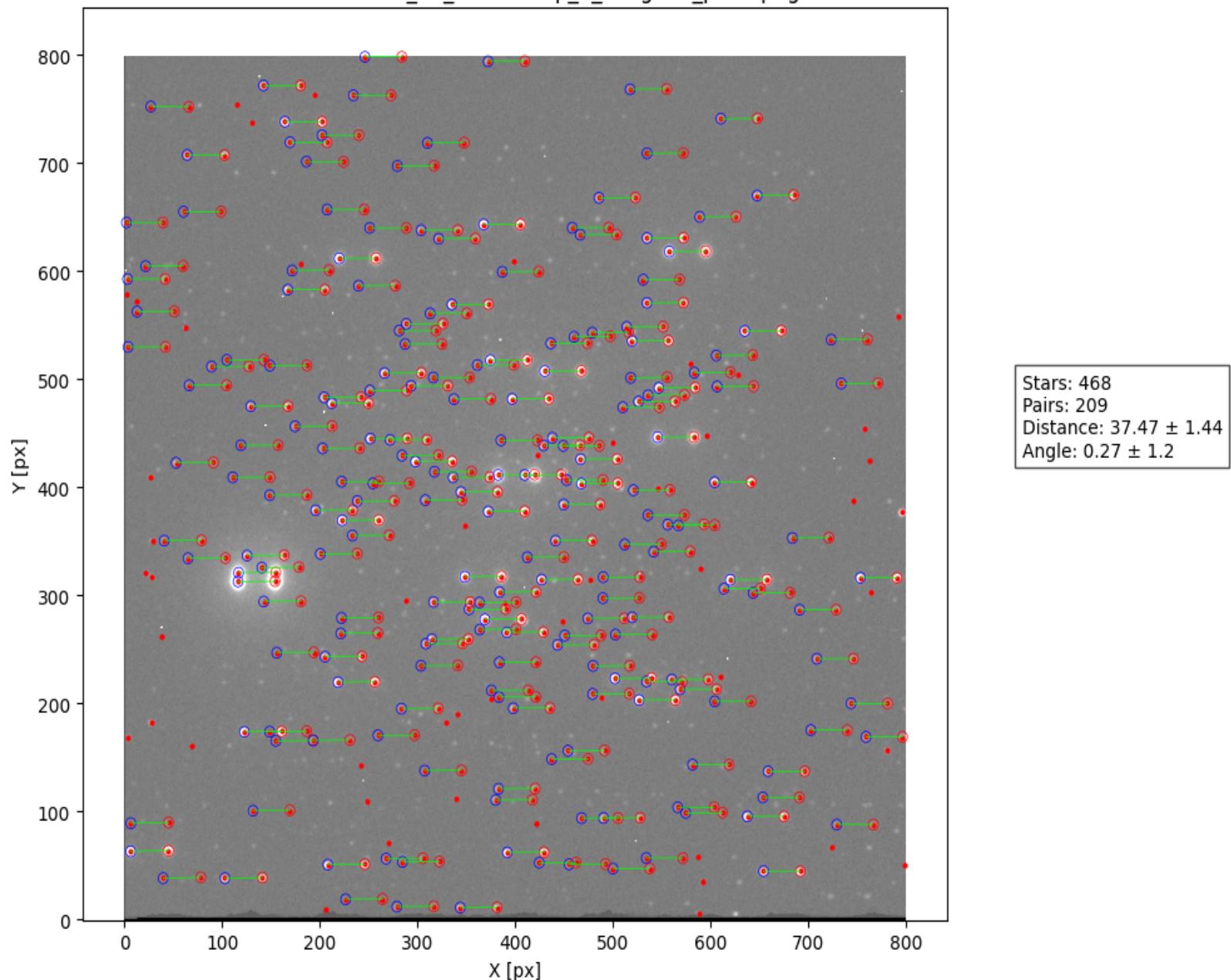
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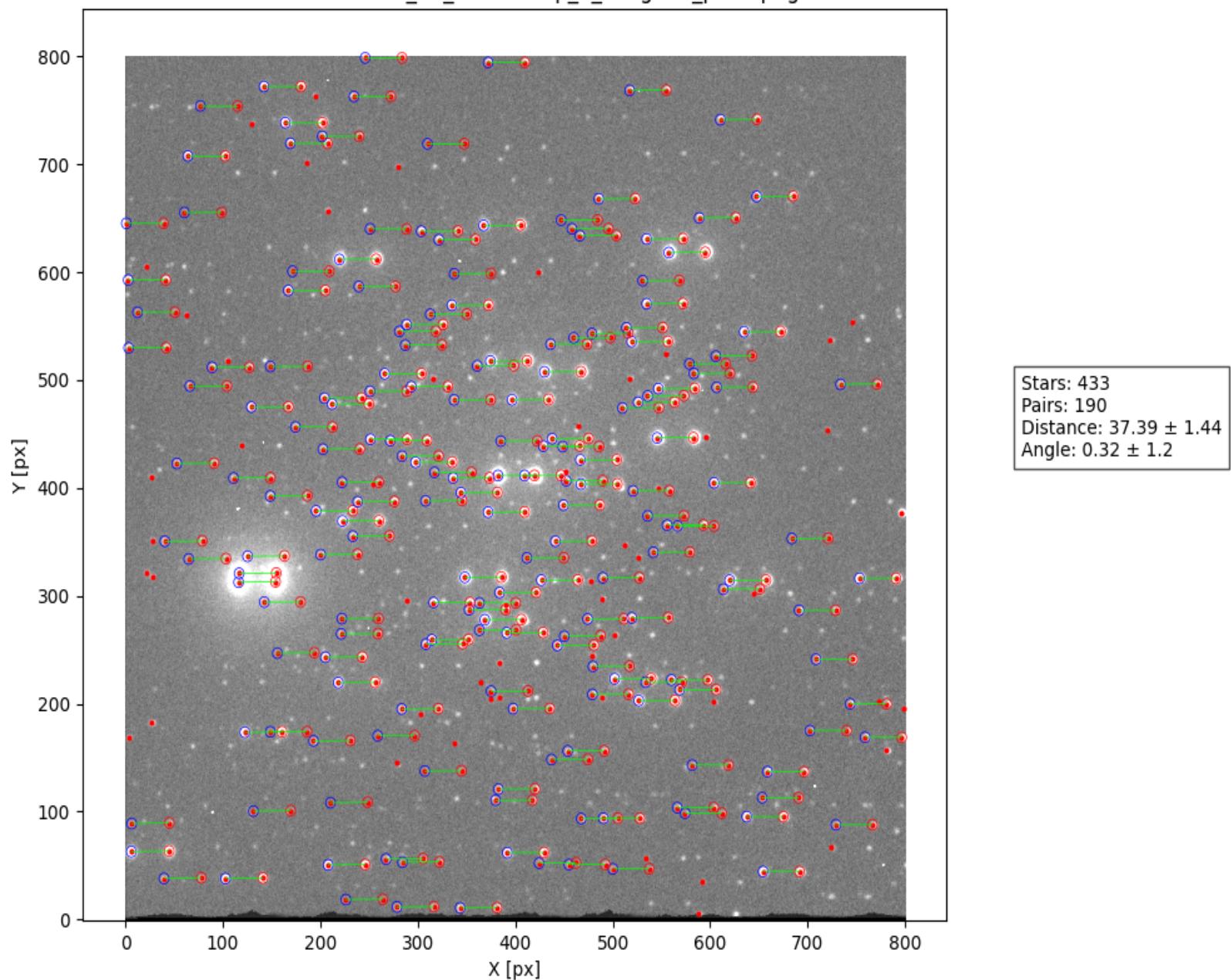
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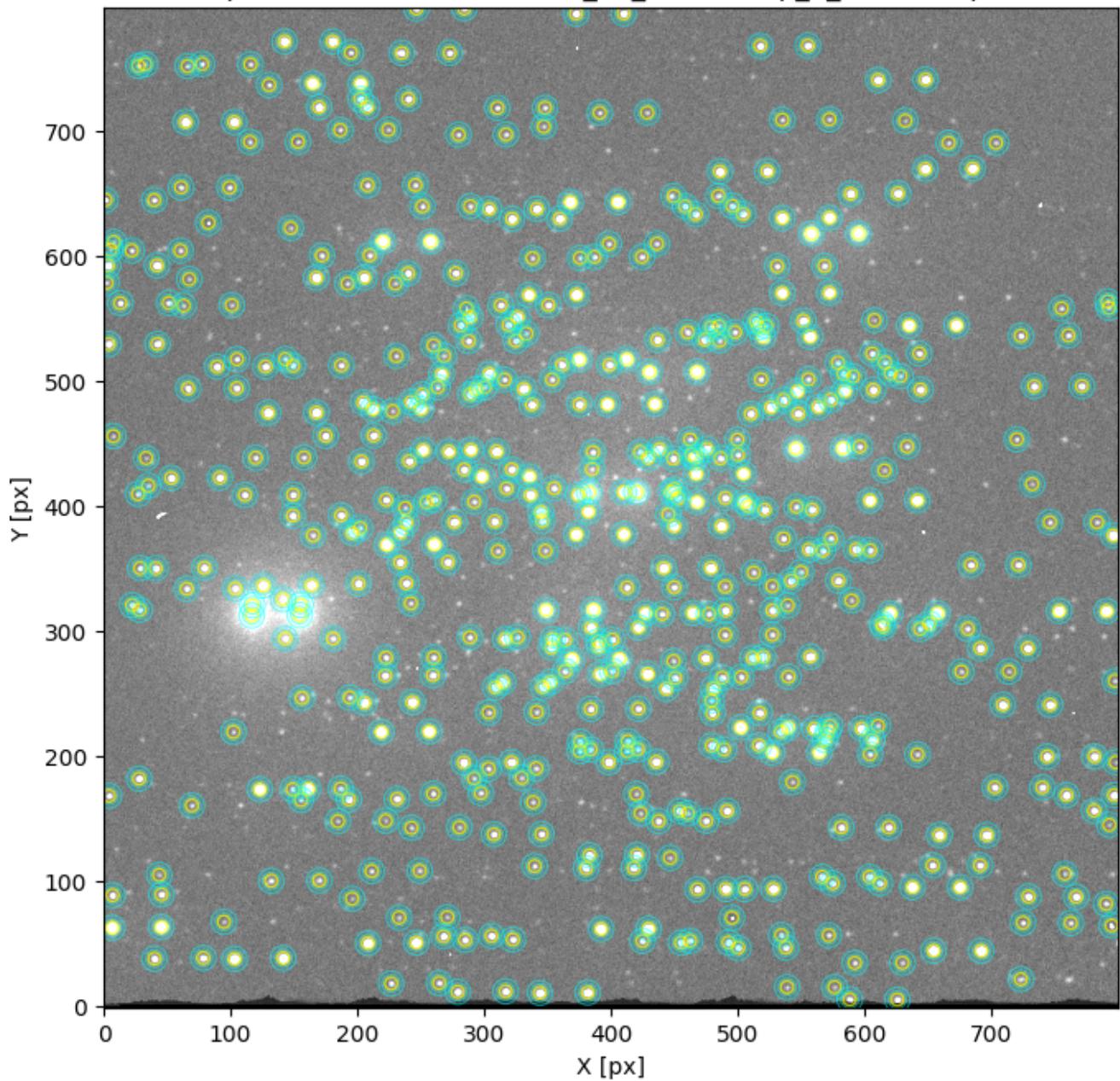


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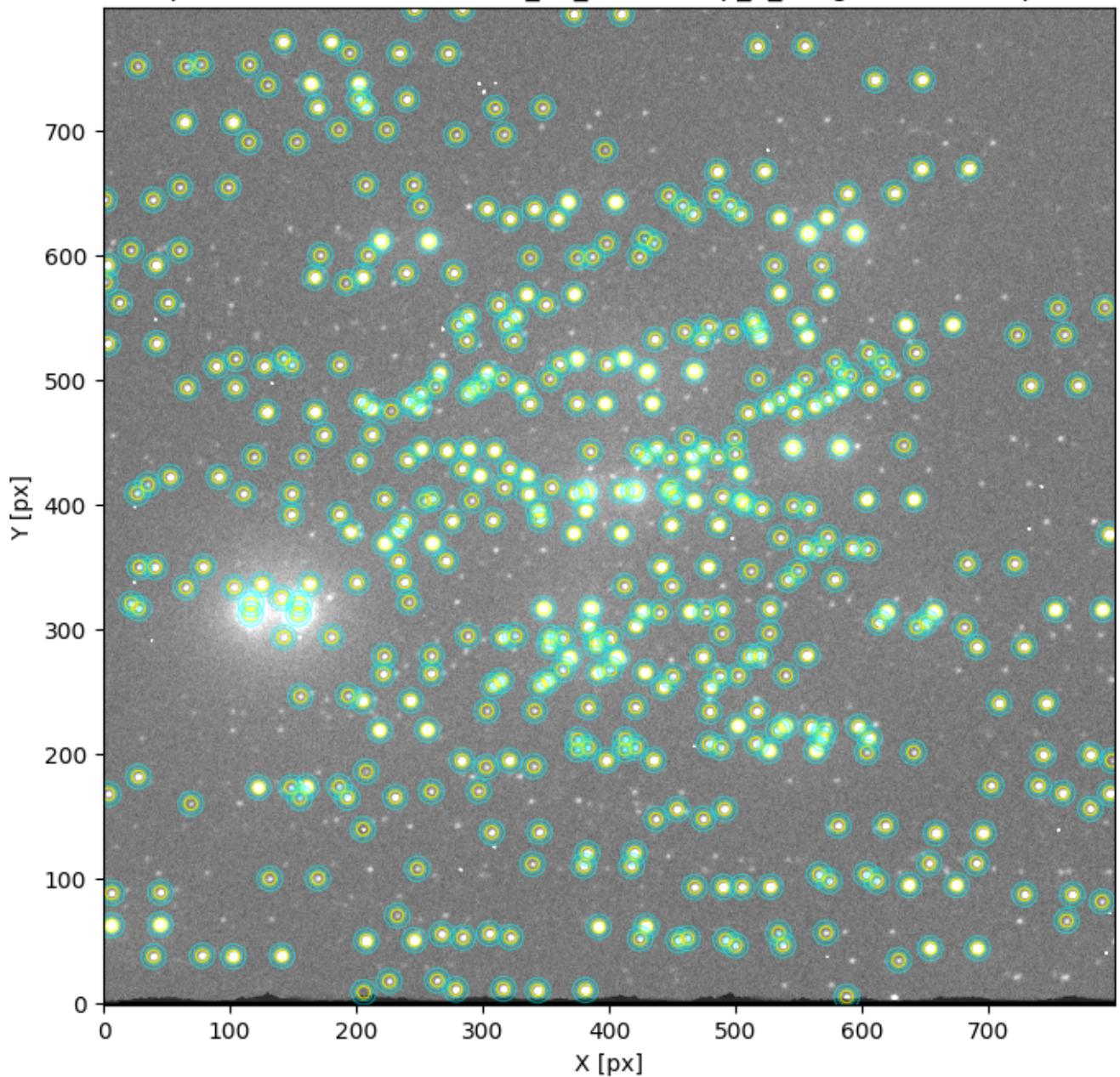


4. Fotometría — Aperturas

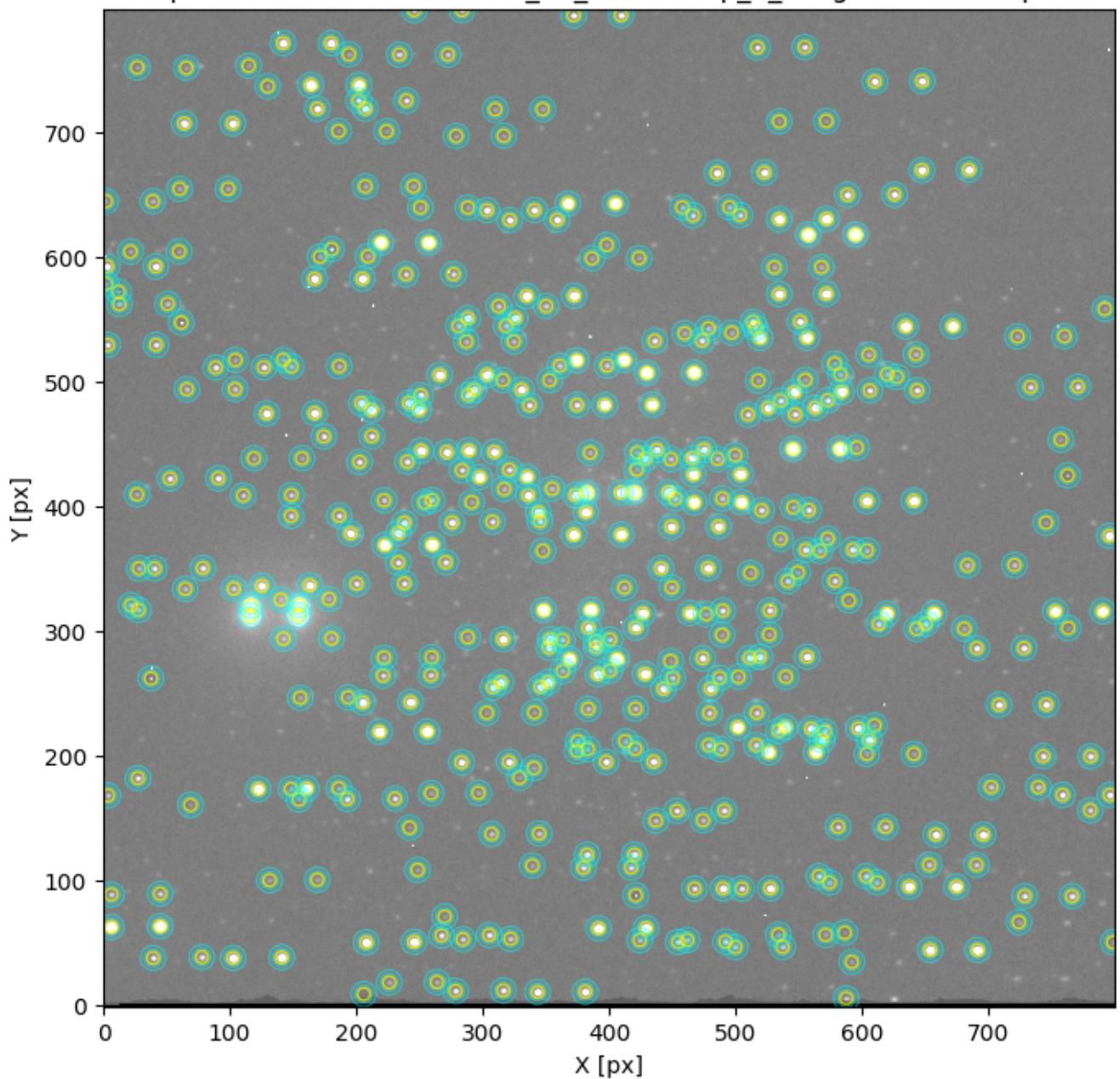
Apertures caf-20230721-00_05_52-sci-blap_b_f.fits ($r=5\text{px}$)



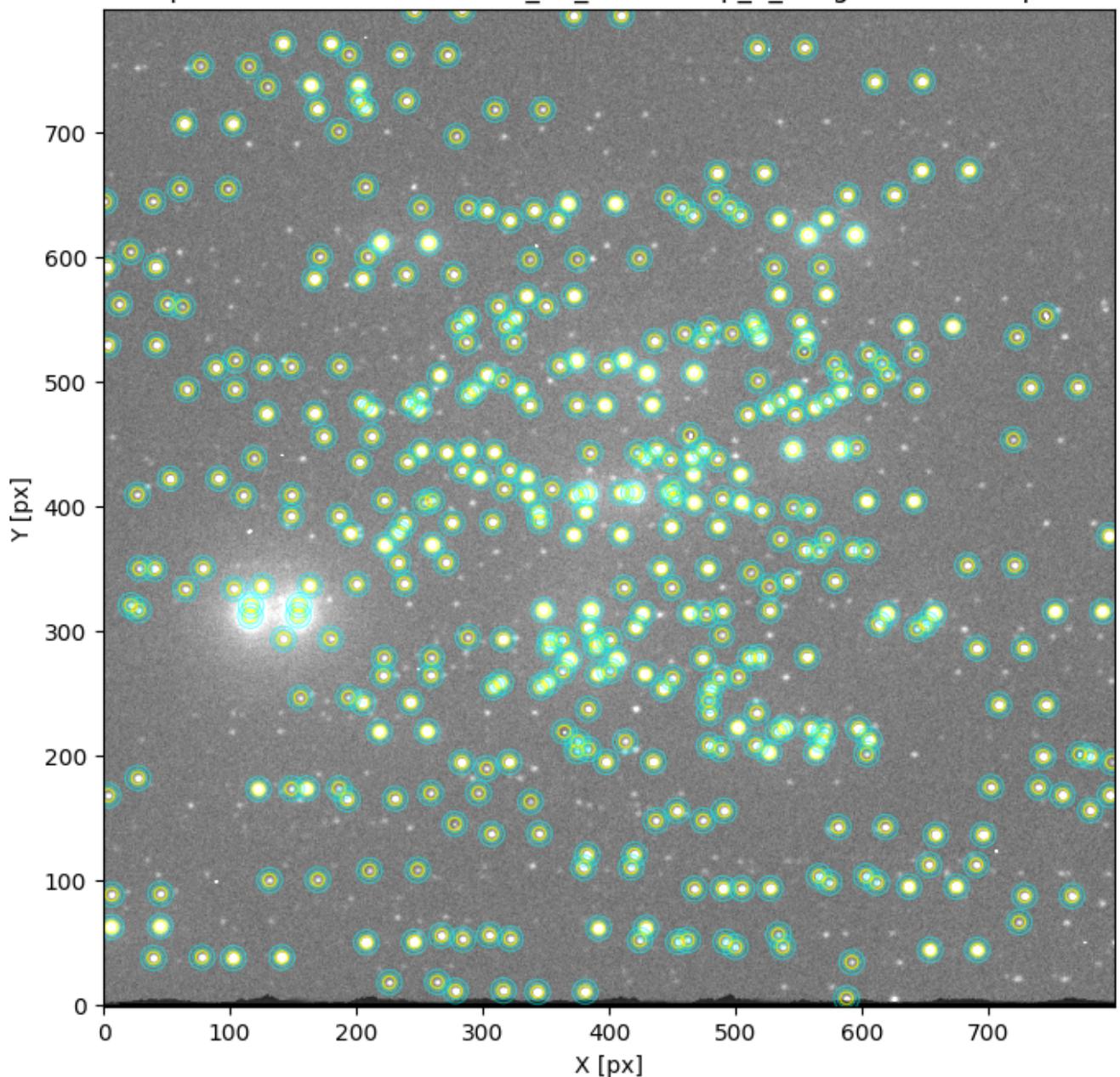
Apertures caf-20230721-00_07_55-sci-blap_b_f-aligned.fits (r=5px)



Apertures caf-20230721-00_09_59-sci-blap_b_f-aligned.fits (r=5px)

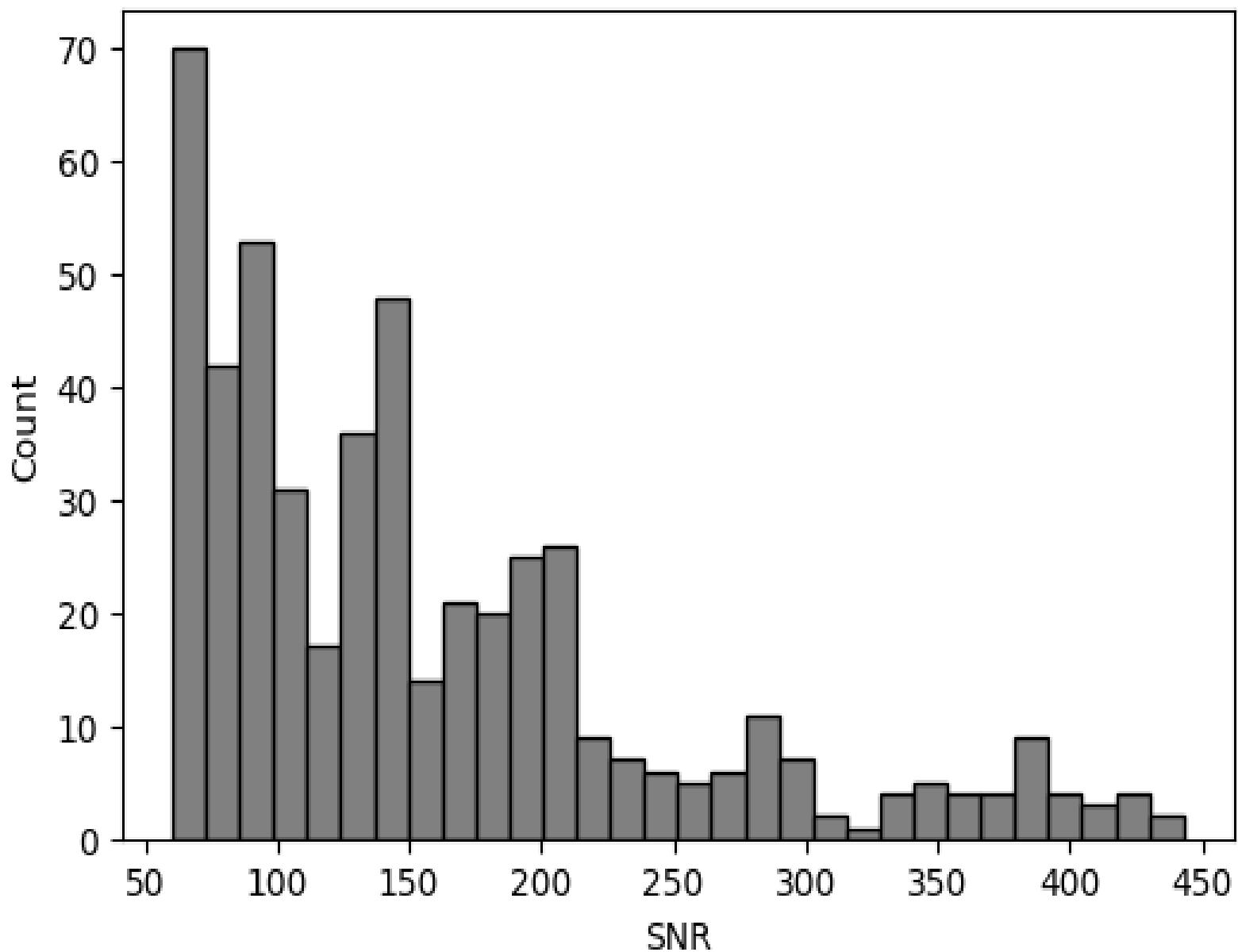


Apertures caf-20230721-00_12_03-sci-blap_b_f-aligned.fits (r=5px)

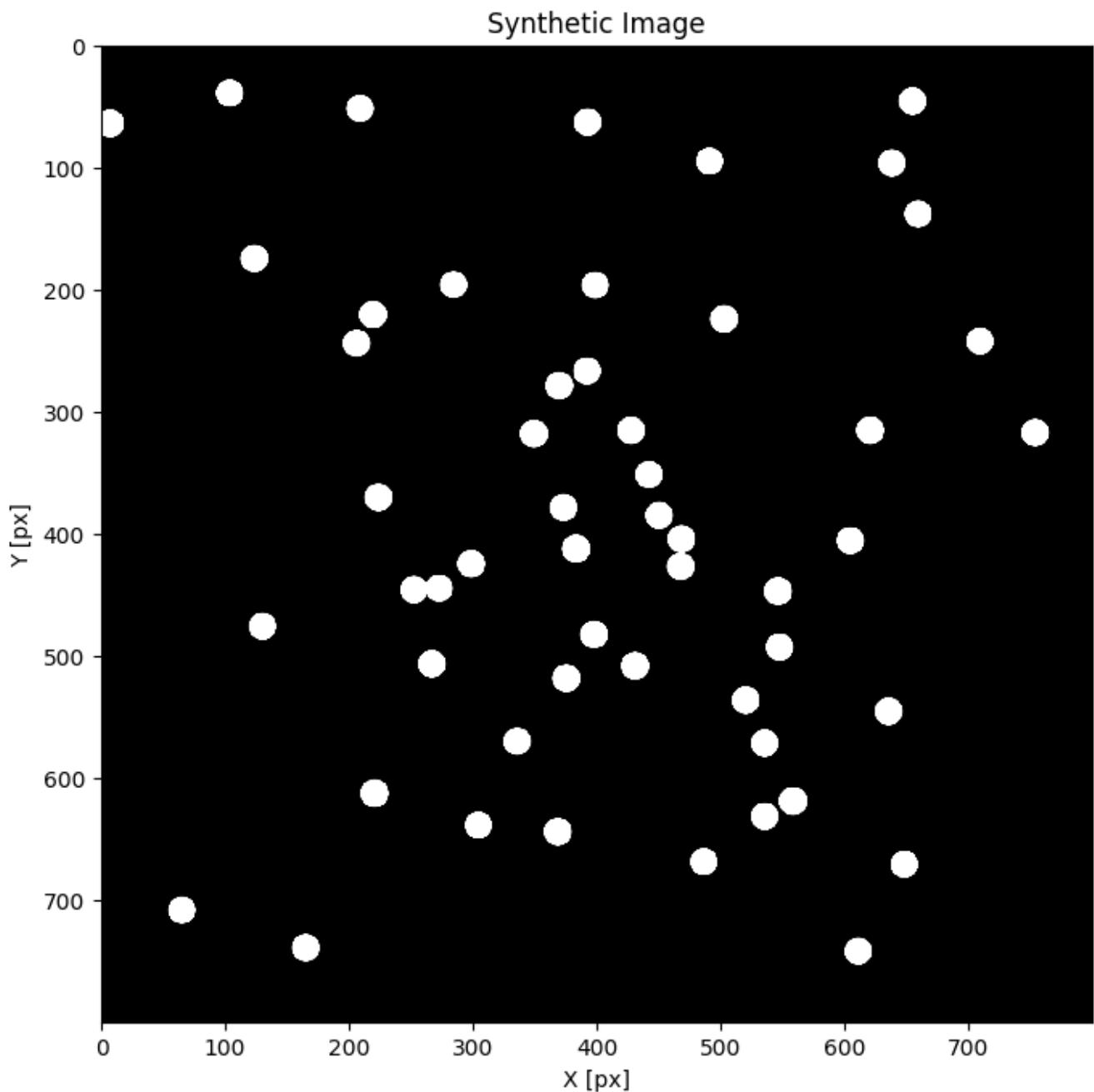


4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



5. Astrometría — Imagen sintética



5. Astrometría — Resultados SIMBAD

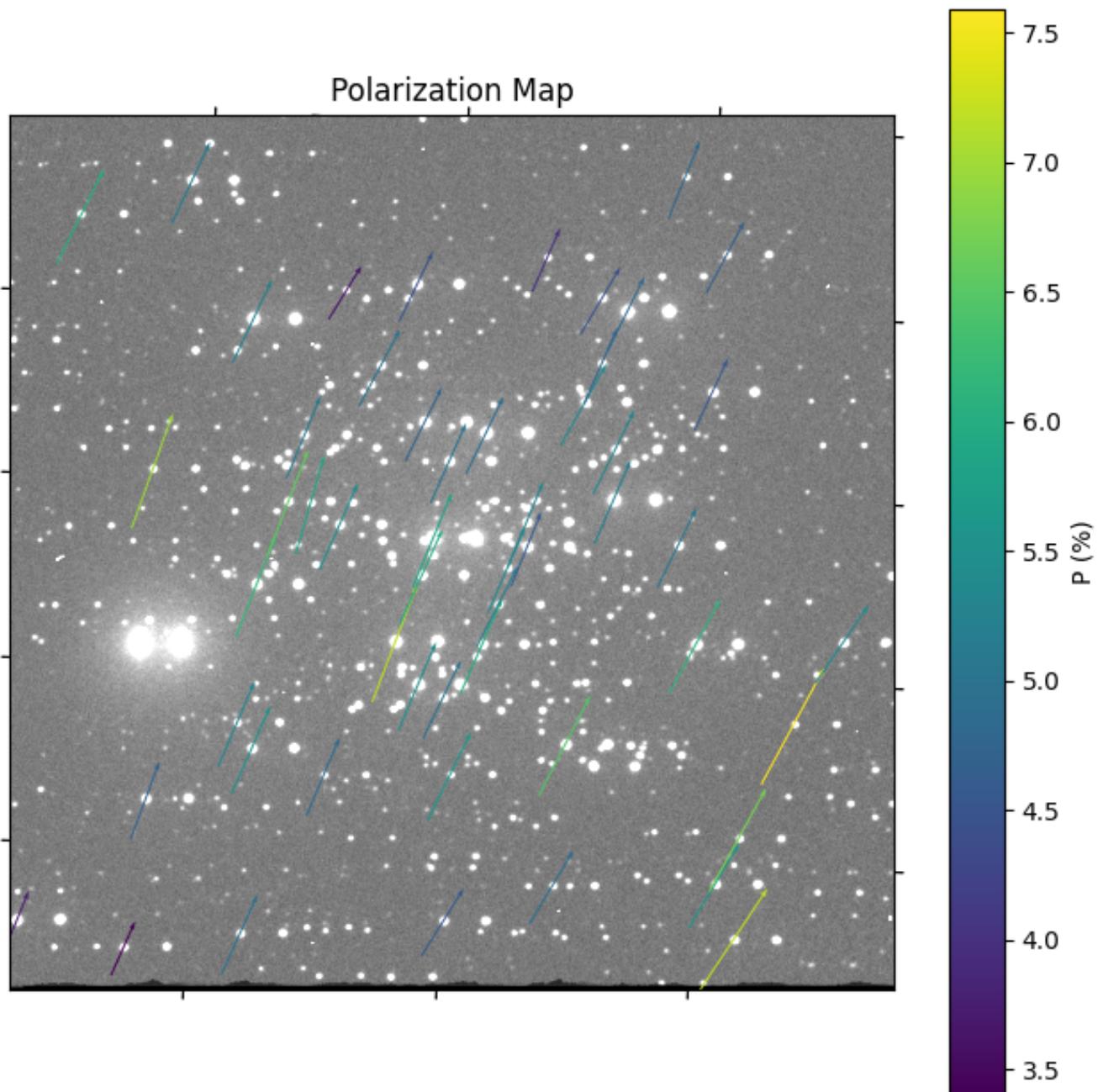
Par	RA (°)	DEC (°)	Simbad ID	Object Type
7	278.310913	-10.441279	Gaia DR3 4155017715112890624	Star
8	278.314839	-10.360940	UCAC4 399-080906	Star
10	278.313332	-10.426033	NGC 6649 71	Star
16	278.315975	-10.399318	NGC 6649 74	Star
17	278.314105	-10.455446	UCAC4 398-084084	Star
23	278.321245	-10.385128	NGC 6649 76	Star
24	278.322272	-10.363646	UCAC4 399-080906	Star
32	278.328575	-10.360757	GES J18331889-1021381	Star
44	278.331090	-10.439135	UCAC4 398-084101	Star
49	278.335130	-10.415826	NGC 6649 45	Star
50	278.335791	-10.399155	NGC 6649 46	Star
59	278.338411	-10.425439	NGC 6649 44	Star
62	278.340471	-10.384110	NGC 6649 48	Star
67	278.344322	-10.354007	Gaia DR3 4155024926353433856	Star
68	278.341822	-10.427504	NGC 6649 43	Star
76	278.346181	-10.400504	NGC 6649 24	Star
79	278.347853	-10.403834	NGC 6649 23	Star
95	278.353614	-10.395566	NGC 6649 17	Star
96	278.354671	-10.367363	2MASS J18332515-1022018	Star
97	278.355707	-10.347892	UCAC2 28238305	Be*
98	278.353569	-10.407028	NGC 6649 19	Star
109	278.359052	-10.393664	NGC 6649 16	Be*
115	278.360644	-10.425616	2MASS J18332658-1025317	RedSG
117	278.362676	-10.403873	NGC 6649 8	Star
119	278.364062	-10.392635	NGC 6649 15	Star
128	278.367043	-10.390112	NGC 6649 14	Star
130	278.367994	-10.370185	UCAC4 399-080995	Star
134	278.367753	-10.402575	NGC 6649 9	Be*
138	278.369134	-10.414992	NGC 6649 5	Star
139	278.370384	-10.390318	NGC 6649 13	Star
146	278.371958	-10.418877	NGC 6649 4	Star
148	278.372030	-10.421847	NGC 6649 3	Star

150	278.373841	-10.378936	NGC 6649 28	Star
155	278.375809	-10.439842	NGC 6649 41	Star
159	278.378273	-10.400840	NGC 6649 34	Star
163	278.380649	-10.378995	NGC 6649 30	Star
172	278.381123	-10.420058	NGC 6649 37	Star
174	278.382290	-10.396132	NGC 6649 33	Star
180	278.383471	-10.404280	NGC 6649 35	Star
186	278.386951	-10.383218	NGC 6649 31	Star
192	278.388968	-10.366392	GES J18333339-1021584	Star
199	278.390929	-10.410350	NGC 6649 40	Star
200	278.392266	-10.381169	NGC 6649 57	Star
211	278.396625	-10.427385	V* V367 Sct	ClassicalCep
212	278.399455	-10.378070	NGC 6649 58	Star
214	278.401192	-10.381474	NGC 6649 59	Be*
216	278.400965	-10.415290	NGC 6649 63	Star
219	278.402124	-10.405958	NGC 6649 61	Star
224	278.406444	-10.388864	Gaia DR3 4155021254165908608	Star
225	278.407685	-10.365186	GES J18333788-1021542	Star
230	278.409997	-10.450582	GES J18333842-1027012	Star
236	278.415133	-10.436161	UCAC4 398-084235	Star
237	278.418064	-10.370992	GES J18334036-1022151	Star

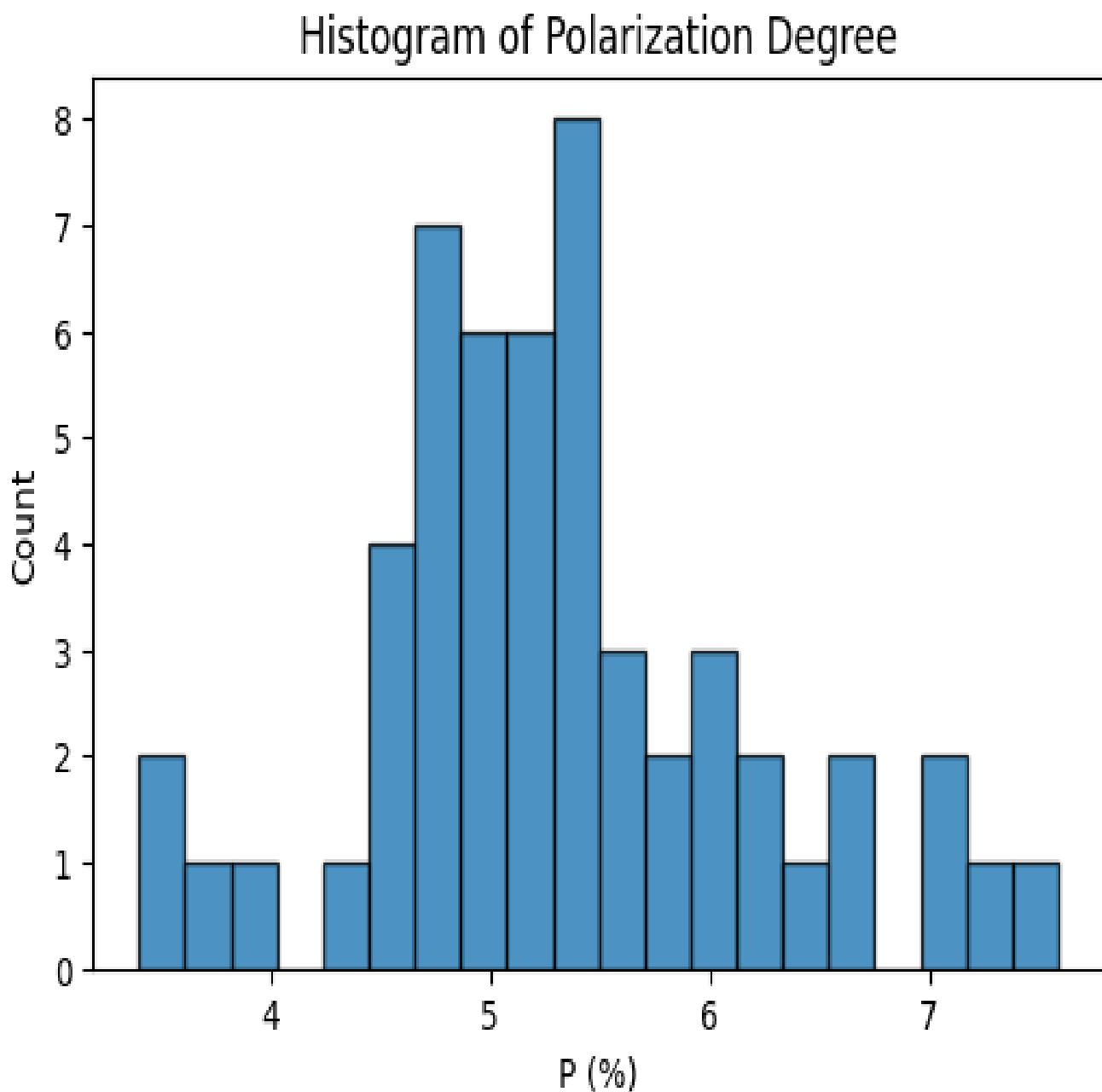
6. Polarimetría — Estimación Interestelar (ISM)

Comp.	Q mean	Q σ	Q weight	U mean	U σ	U weight	Dominante Q	Dominante U
0	-3.959	0.926	0.32	3.915	0.566	0.89		✓
1	-3.144	0.547	0.68	4.997	1.128	0.11	✓	

6. Polarimetría — Mapa de polarización

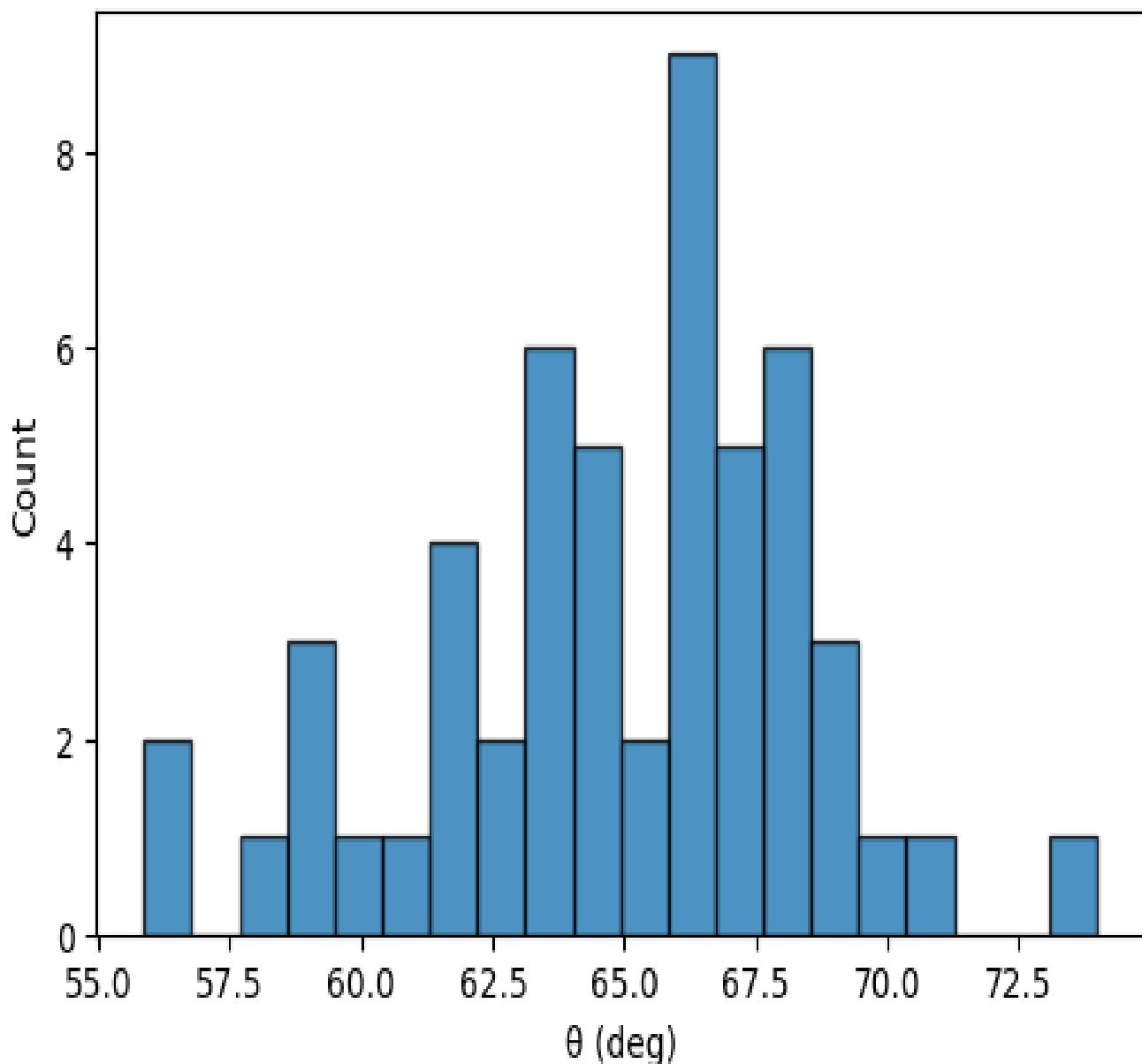


6. Polarimetría — Histograma de P



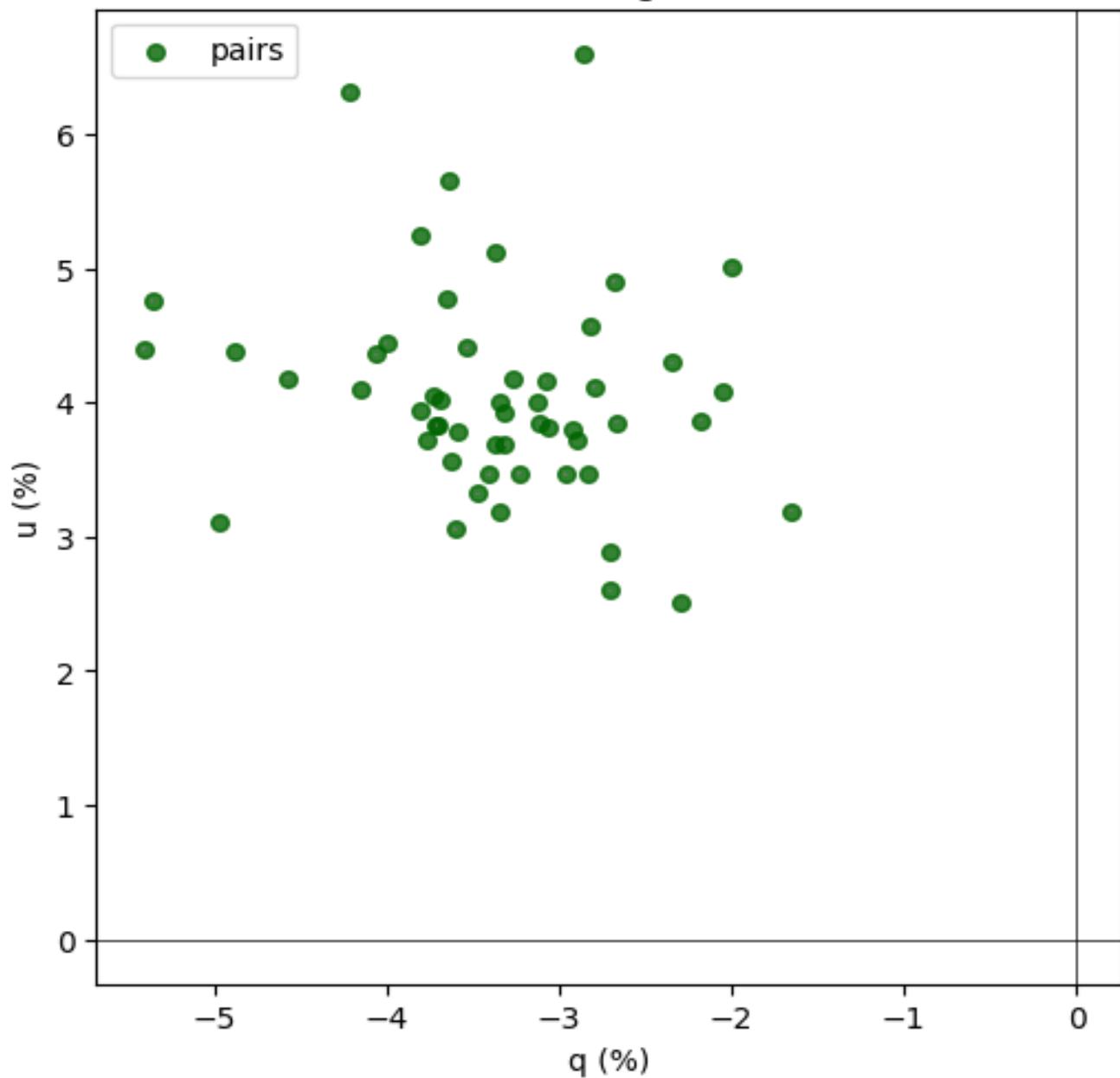
6. Polarimetría — Histograma de θ

Histogram of Polarization Angle



6. Polarimetría — Diagrama Q–U

Q–U Diagram



6. Polarimetría — Estimación Interestelar (ISM)

Comp.	Q mean	Q σ	Q weight	U mean	U σ	U weight	Dom Q	Dom U
1	-3.144	0.547	0.68	4.997	1.128	0.11	✓	

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.

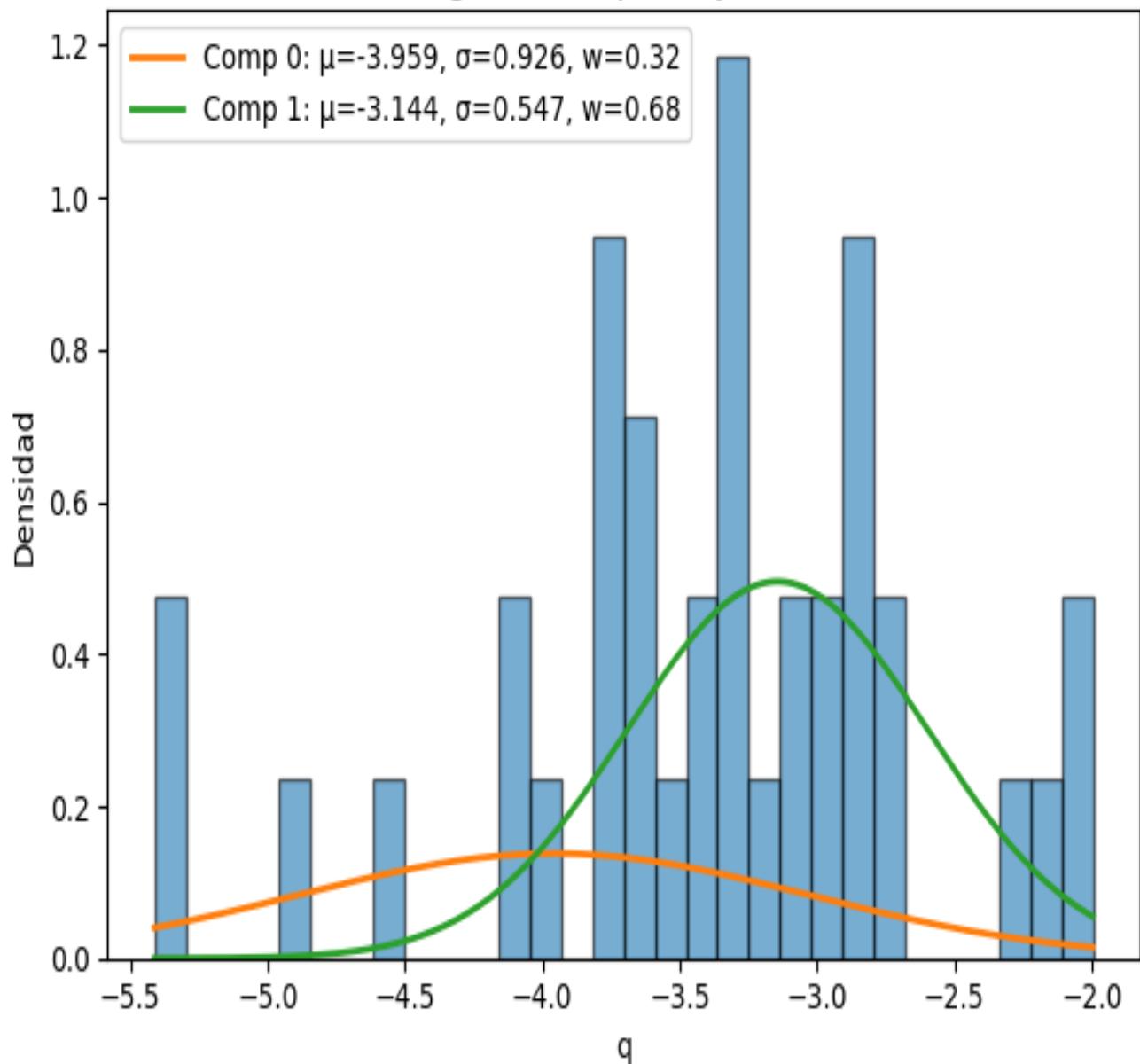
U Means: medias de la componente u estimada para la polarización interestelar.

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

