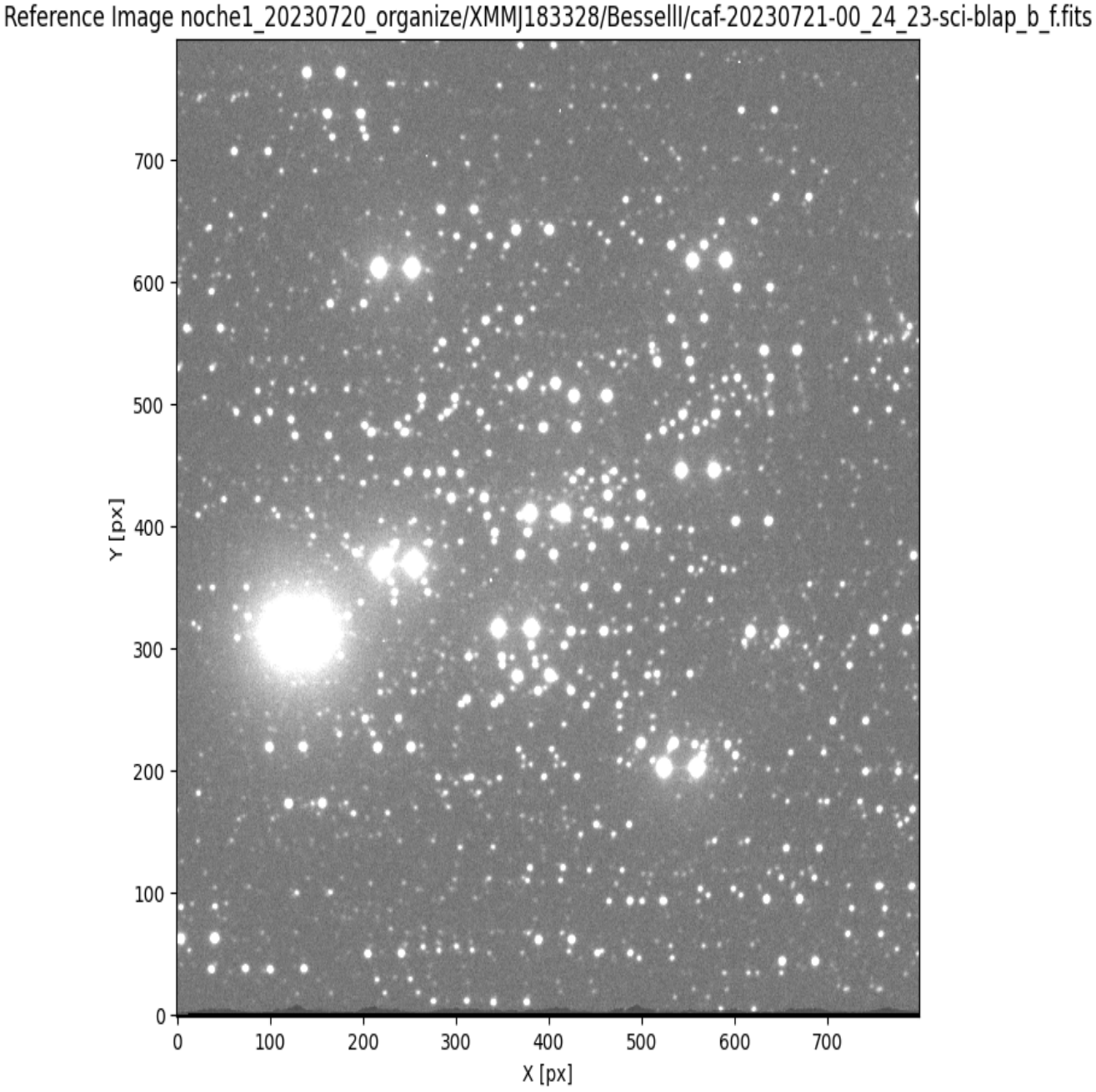
1. Imágenes originales



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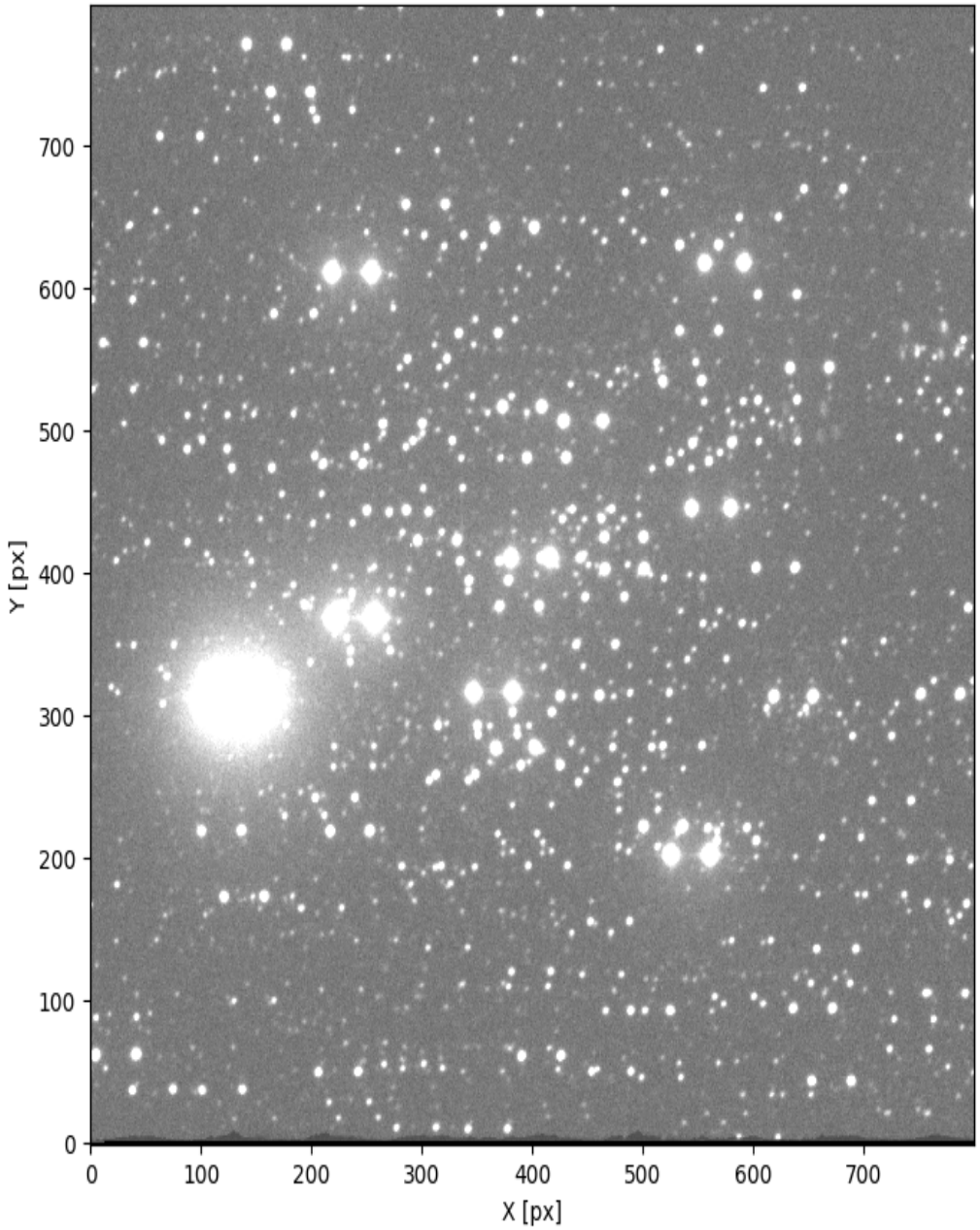

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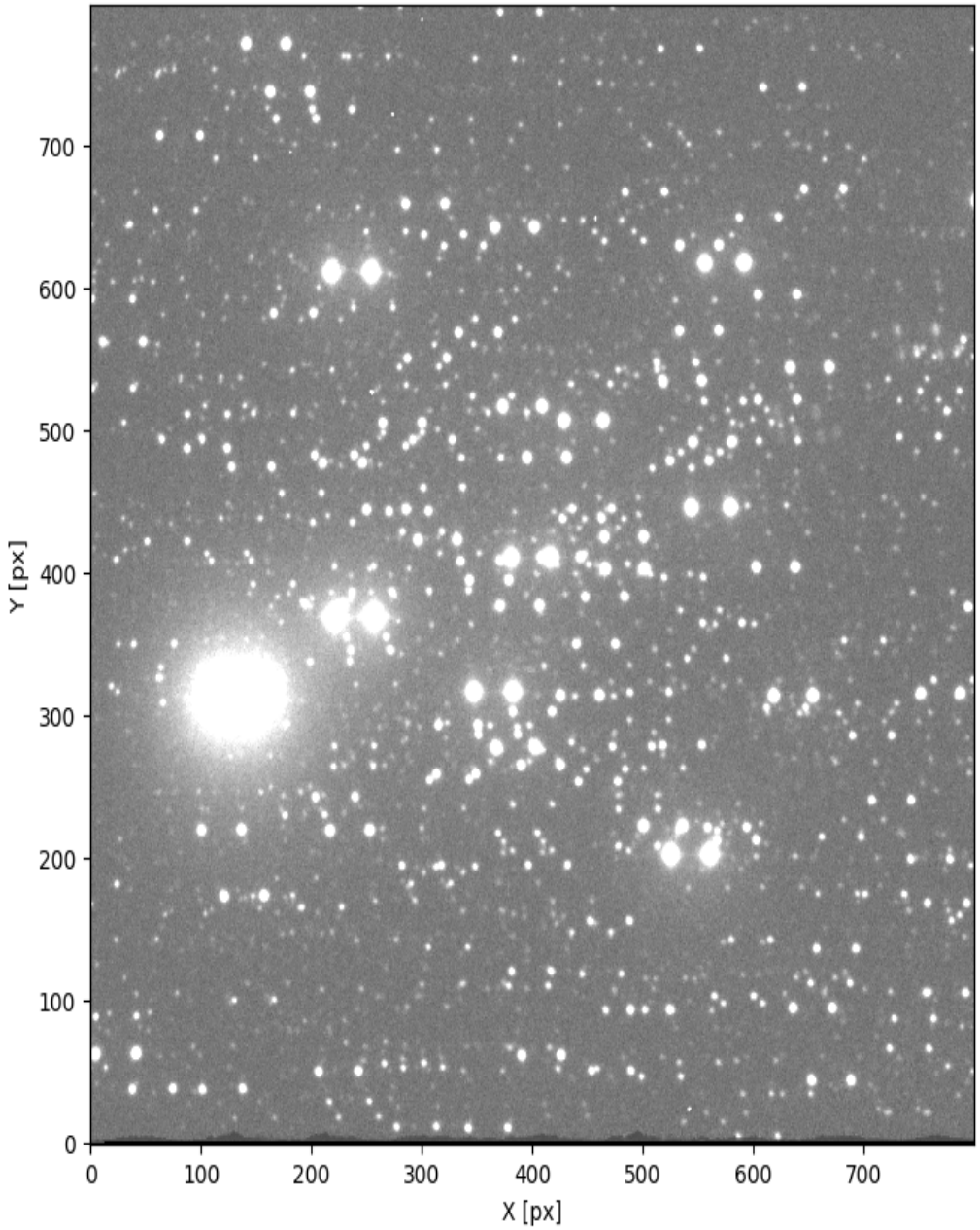

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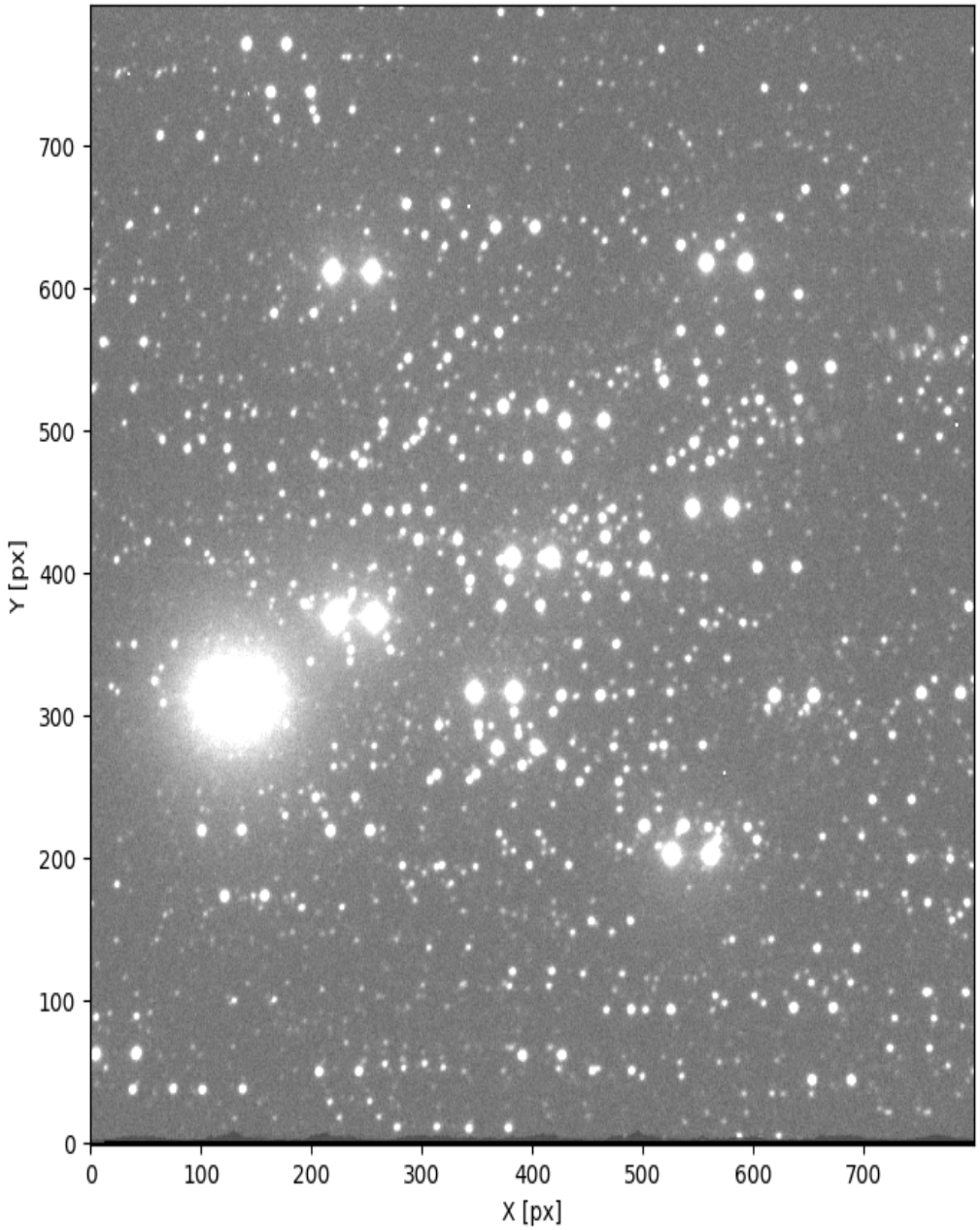
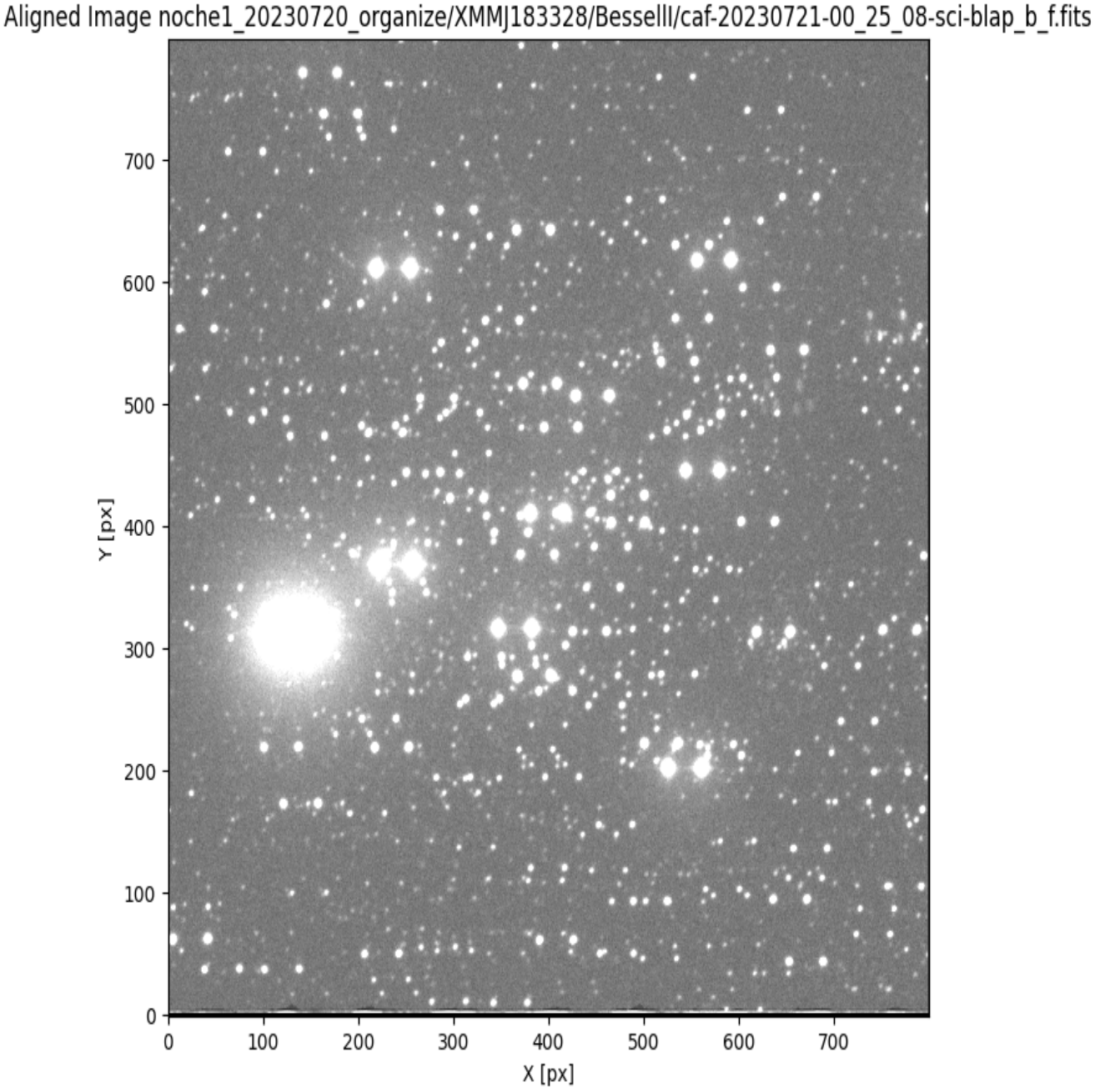


2. Imágenes alineadas



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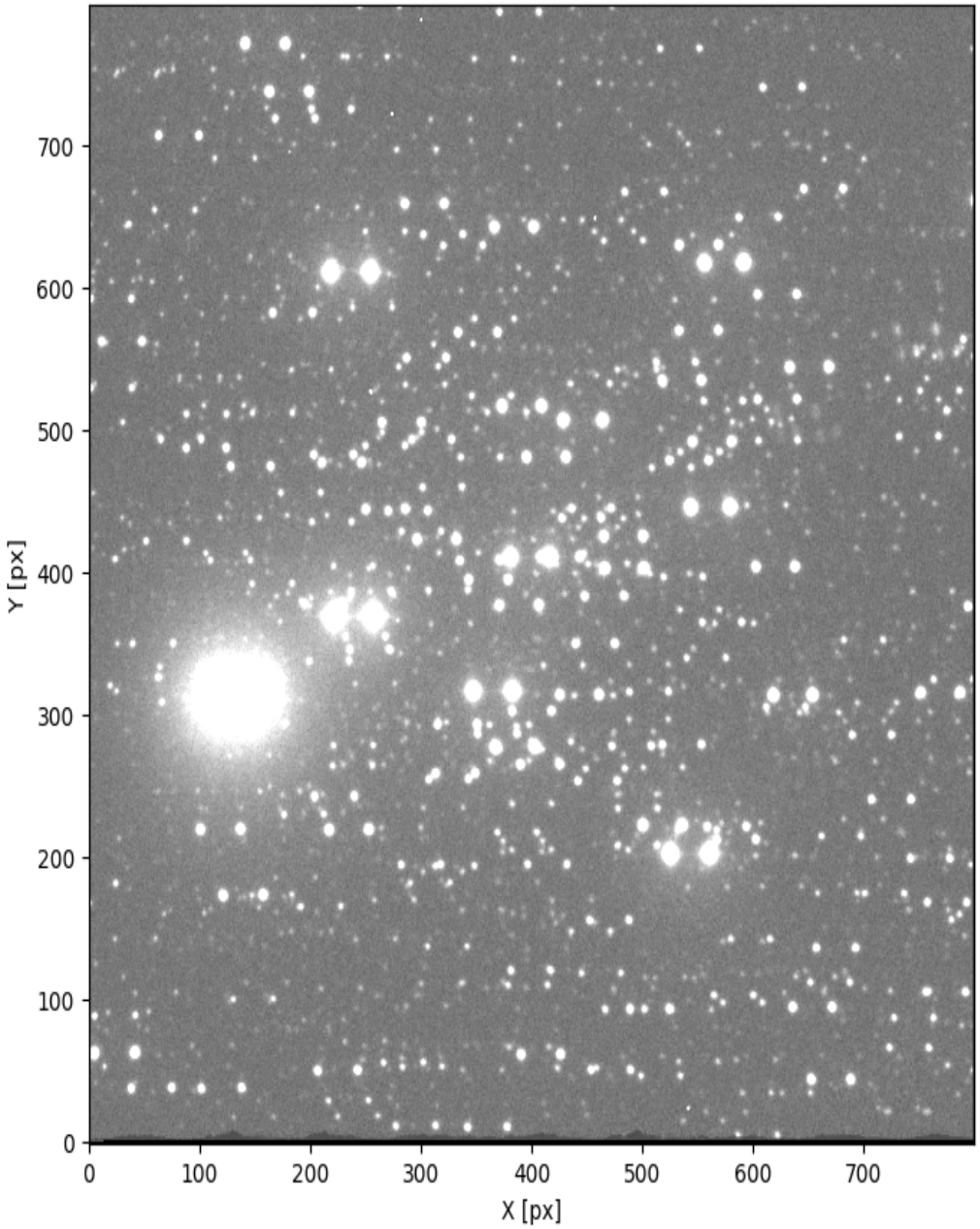

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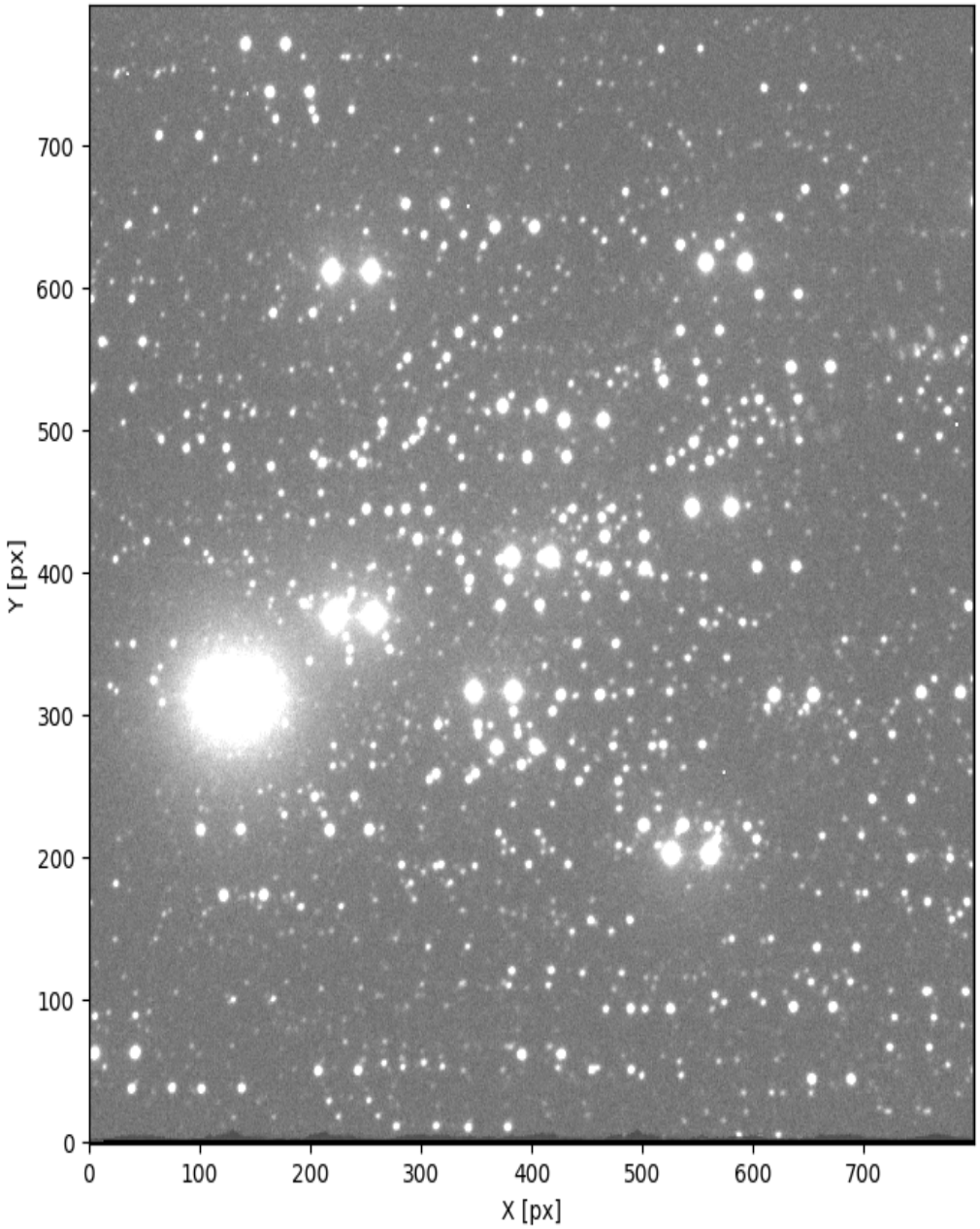
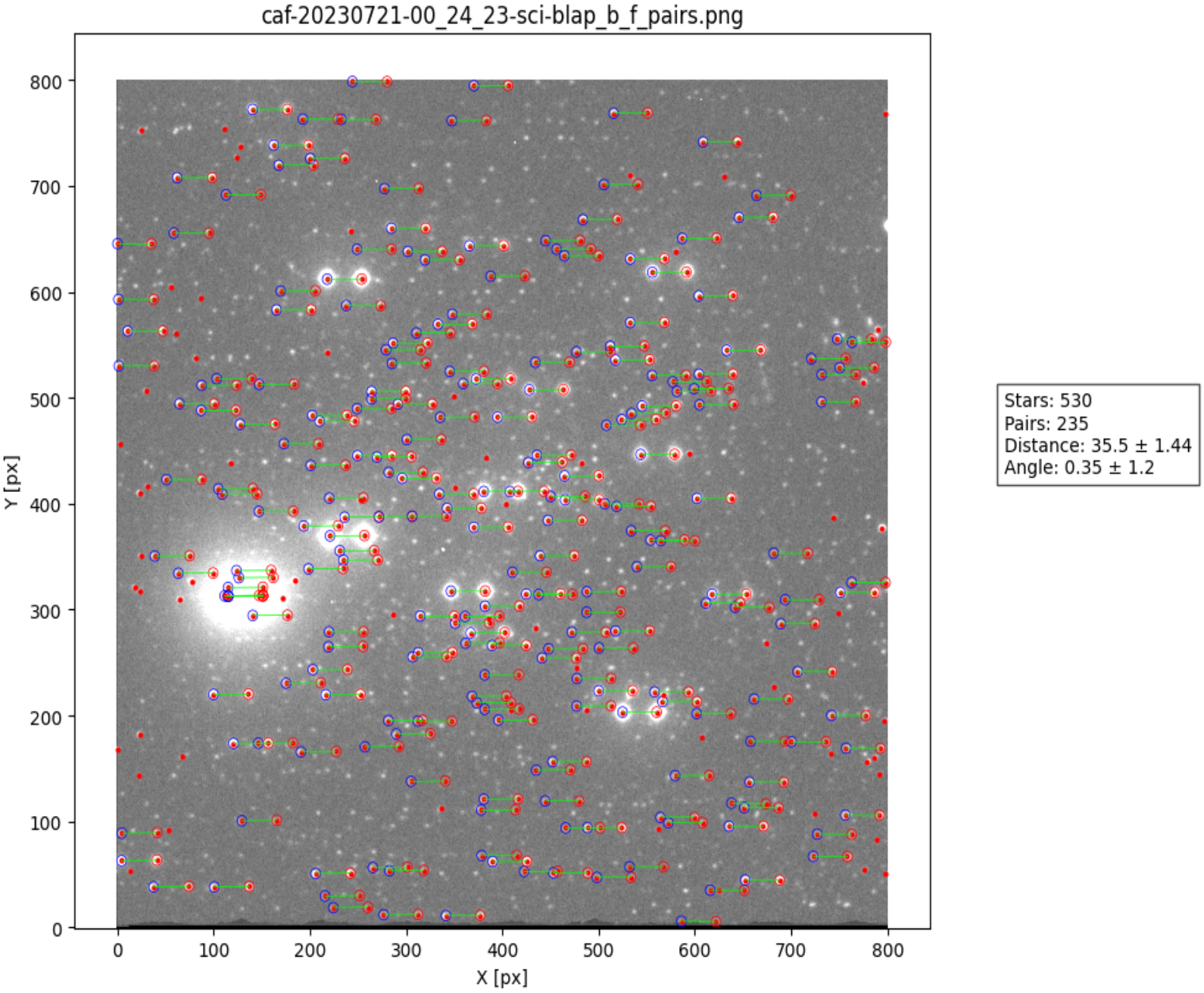
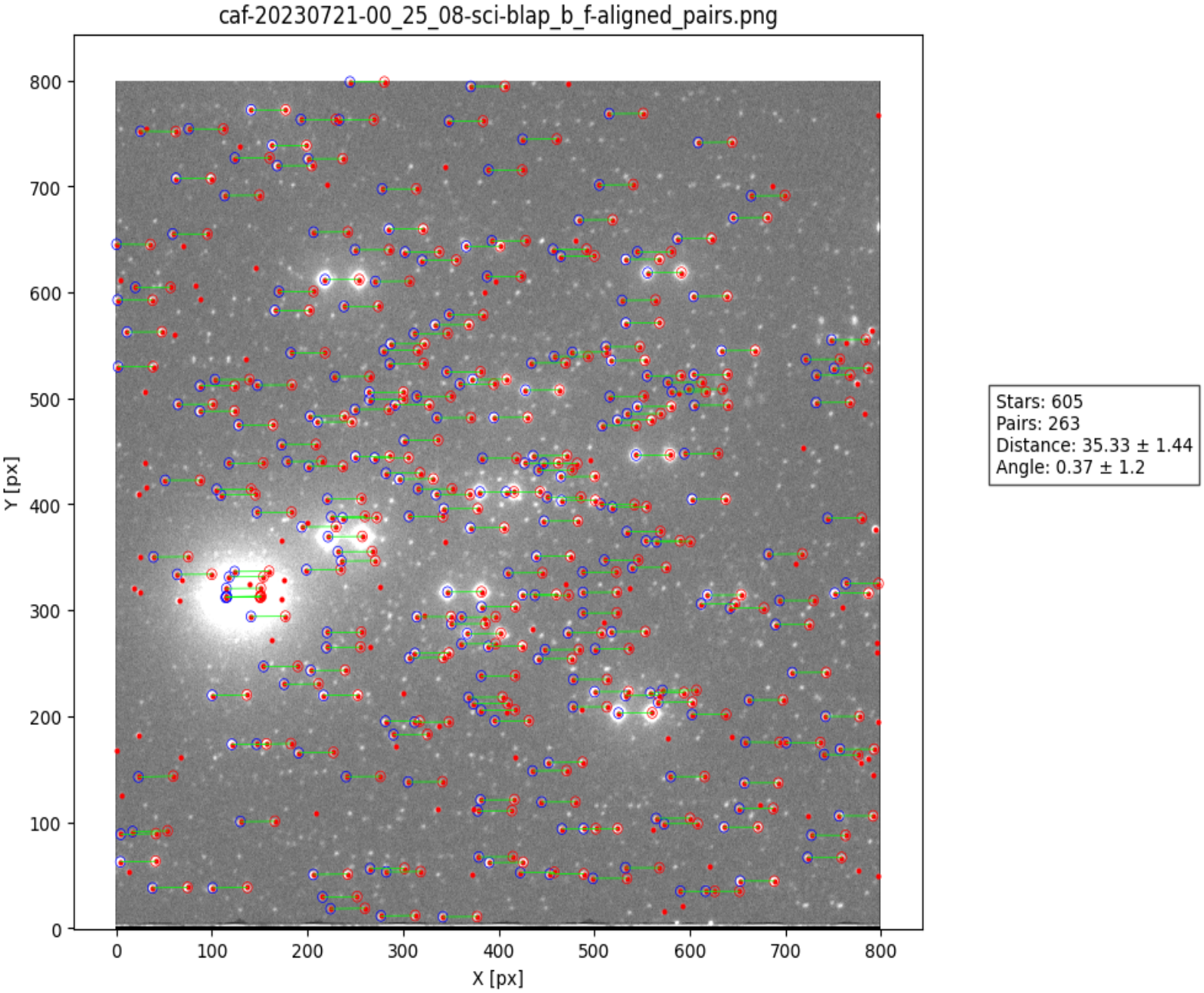


3. Imágenes con pares identificados

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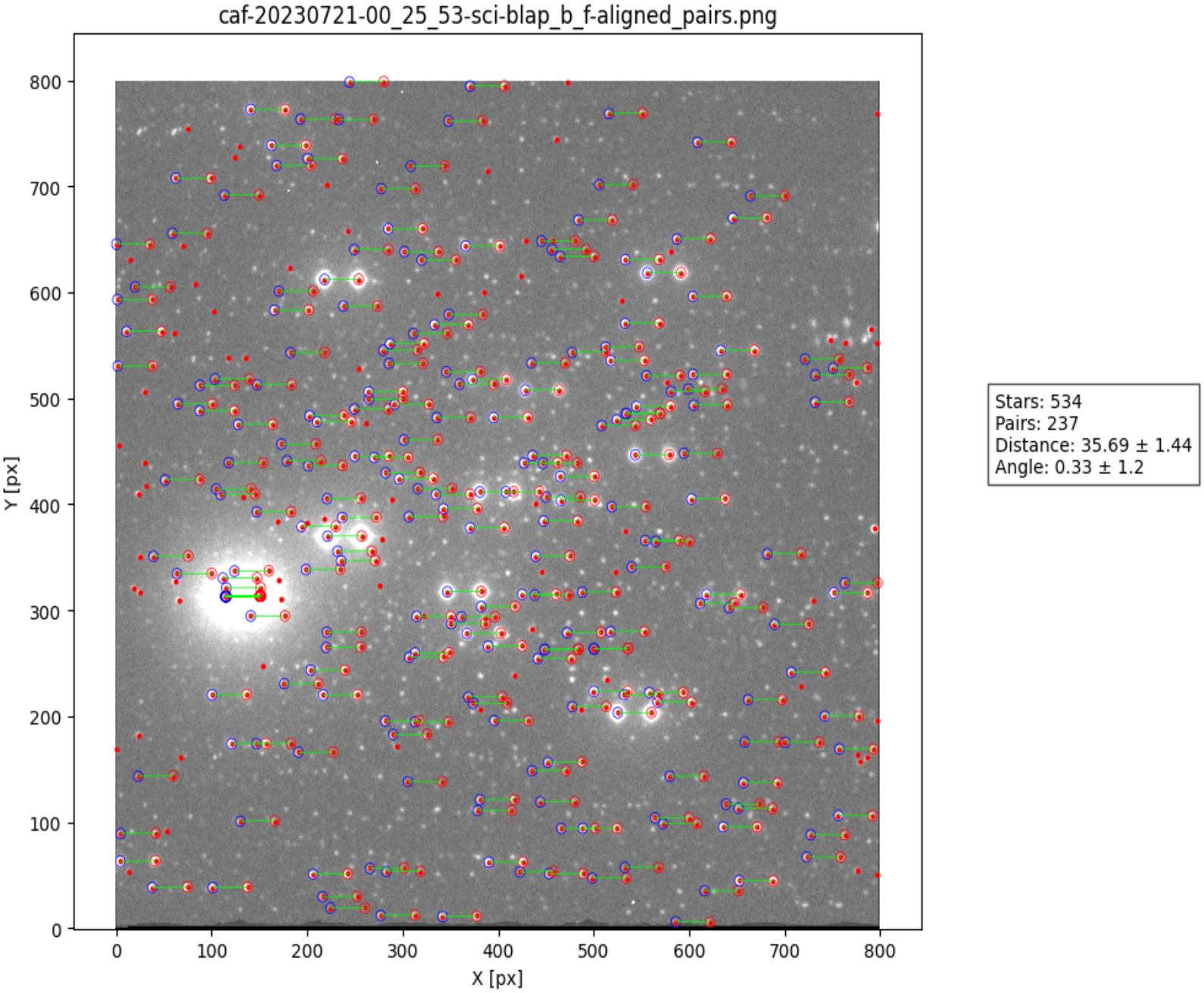
Y [px]
X [px]
0
100
200
300
400
500
600
700
800
Stars: 605
Pairs: 263
Distance: 35.33 ± 1.44
Angle: 0.37 ± 1.2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X [px]
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100
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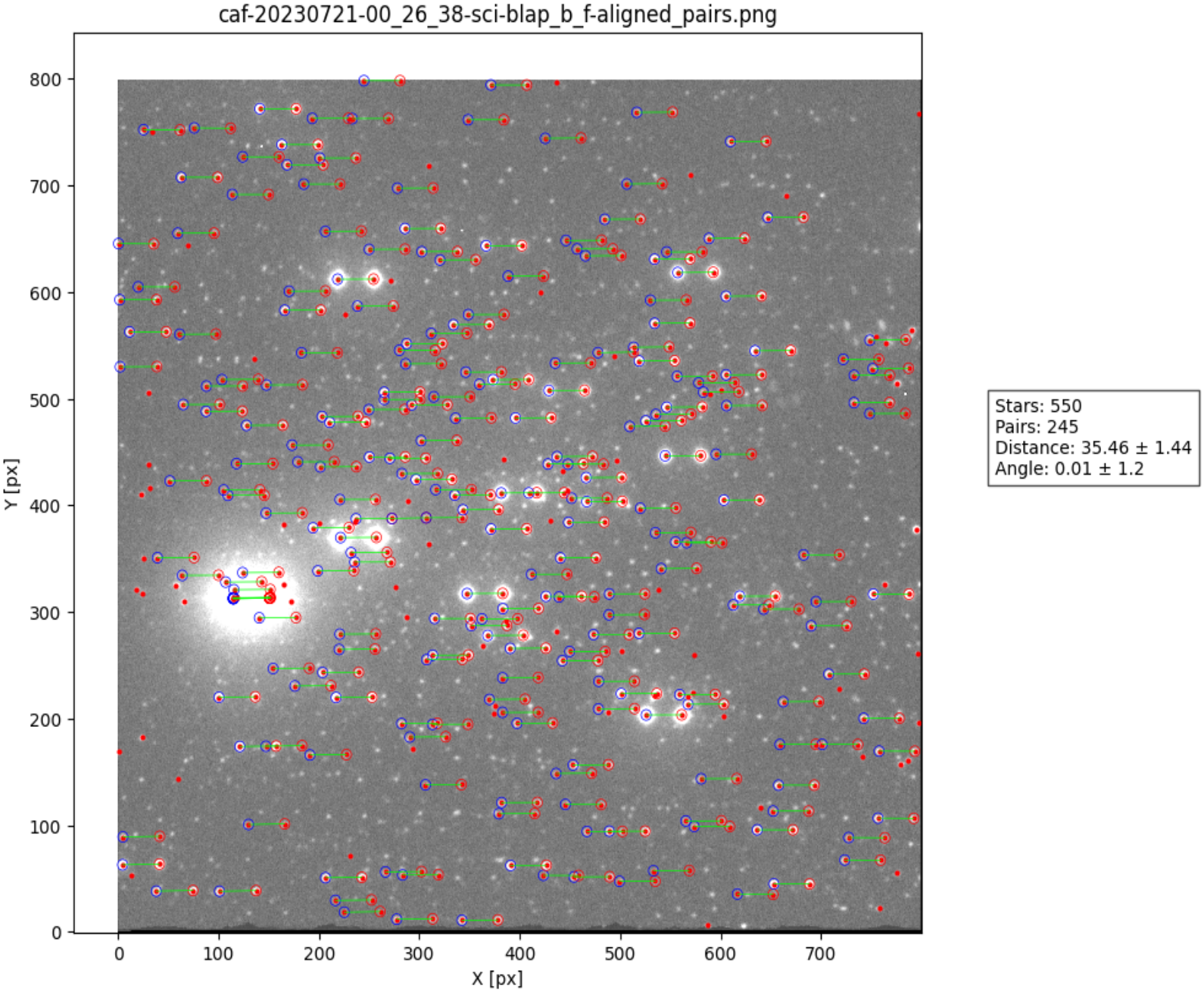
400
500
600
700
800
Stars: 534
Pairs: 237
Distance: 35.69 ± 1.44
Angle: 0.33 ± 1.2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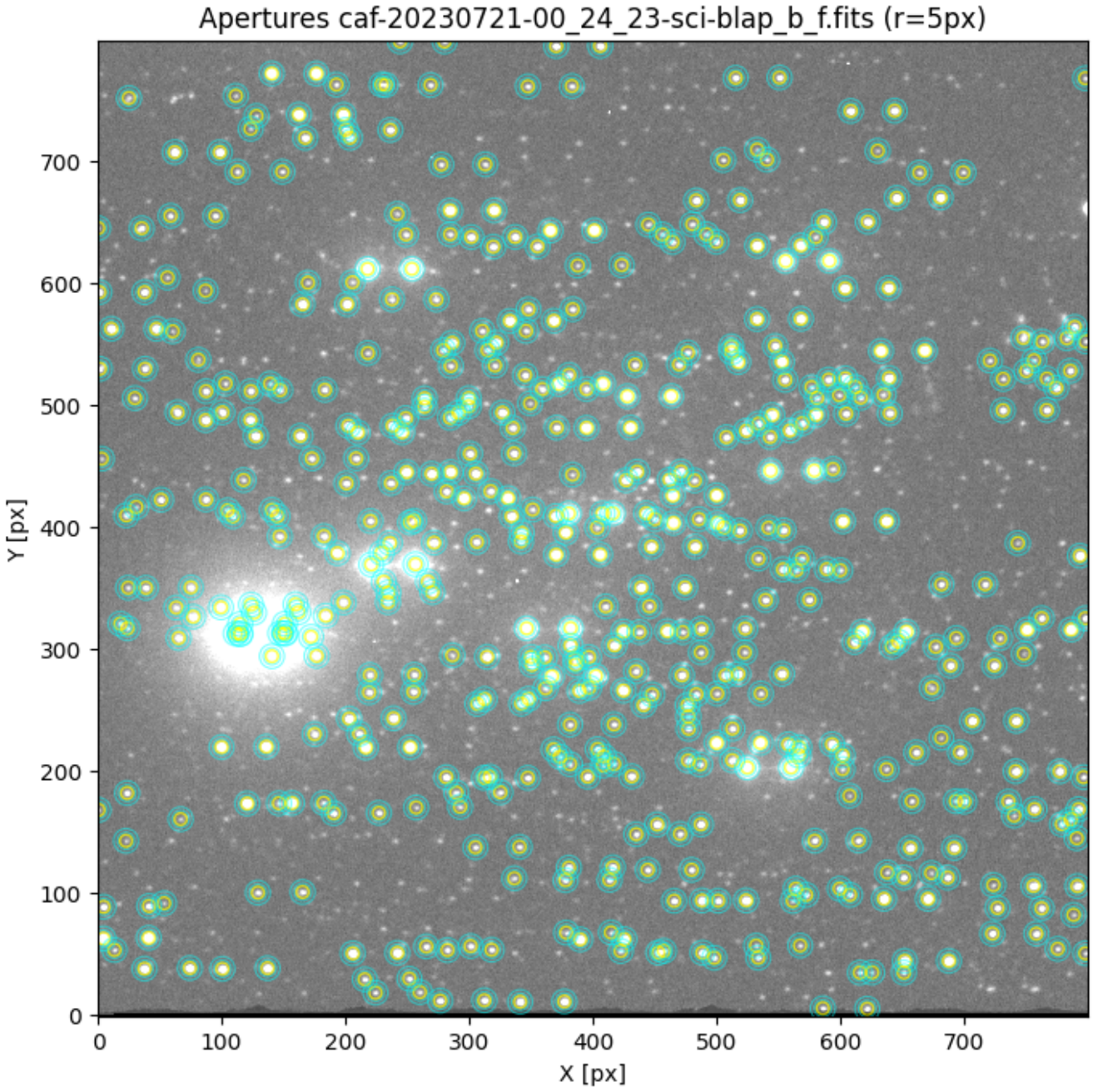
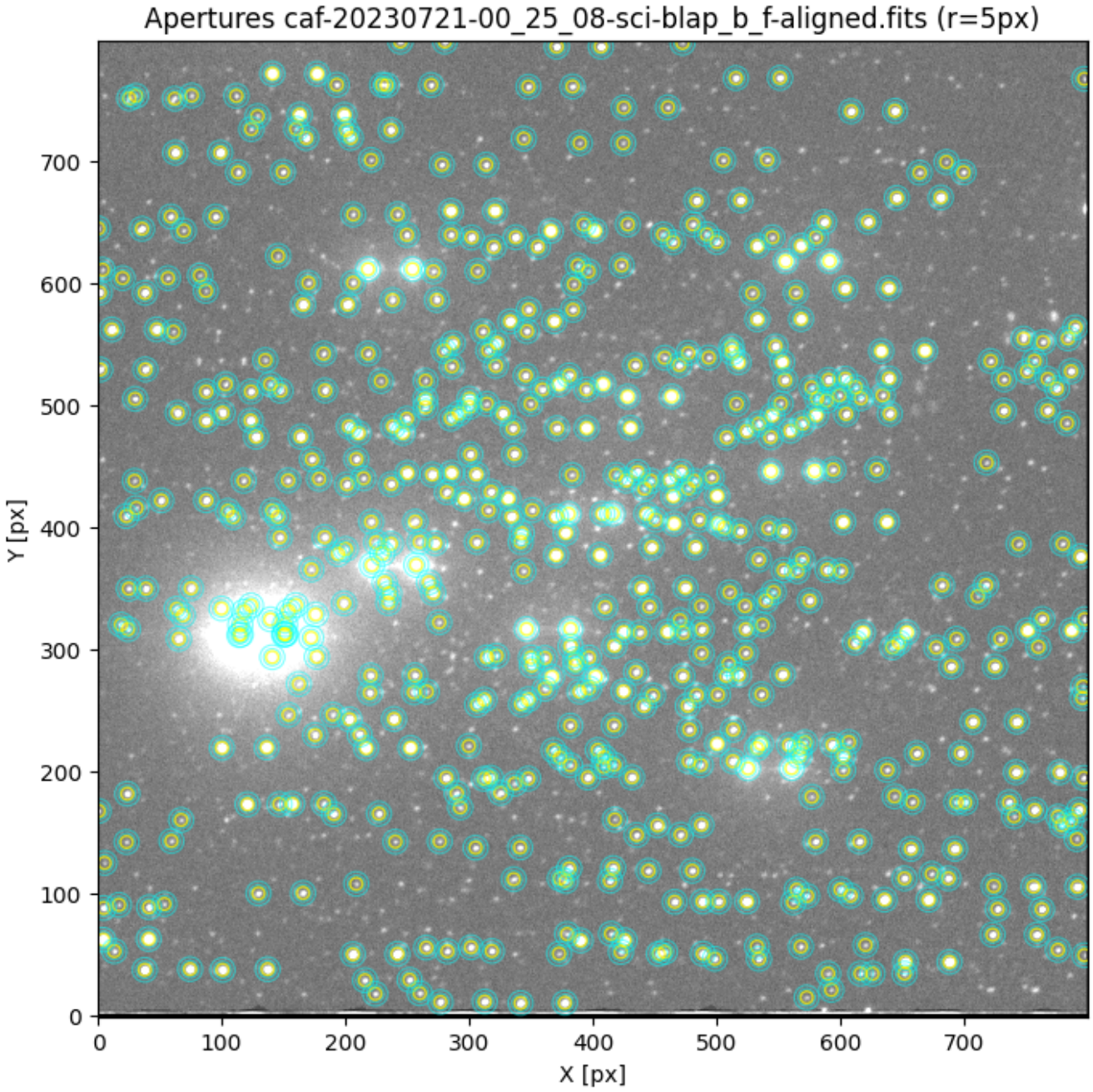
Y [px]
X [px]
0
100
200
300
400
500
600
700
800
Stars: 550
Pairs: 245
Distance: 35.46 ± 1.44
Angle: 0.01 ± 1.2

4. Fotometría — Aperturas

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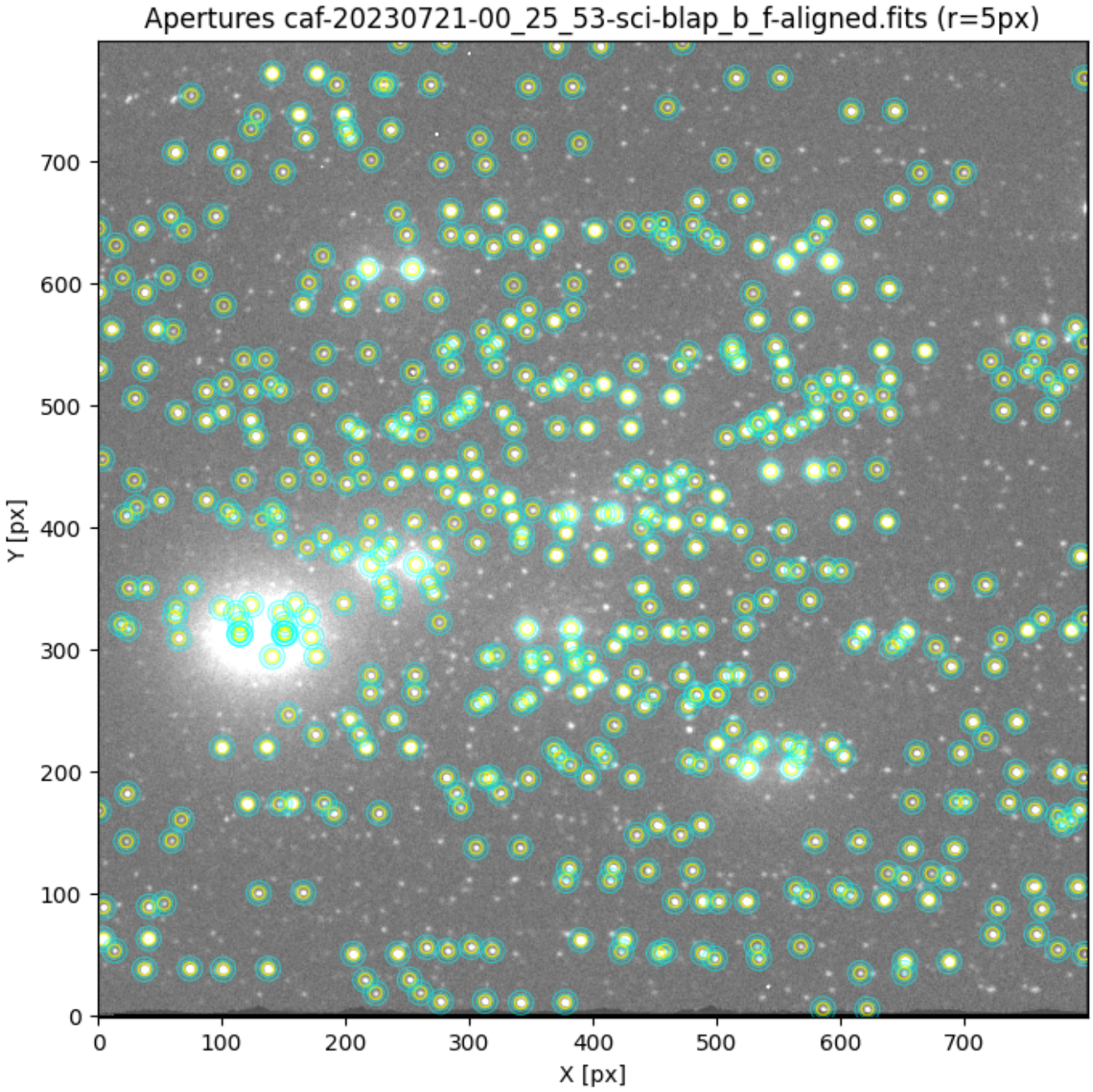
Apertures caf-20230721-00_25_53-sci-blap_b_f-aligned.fits (r=5px)
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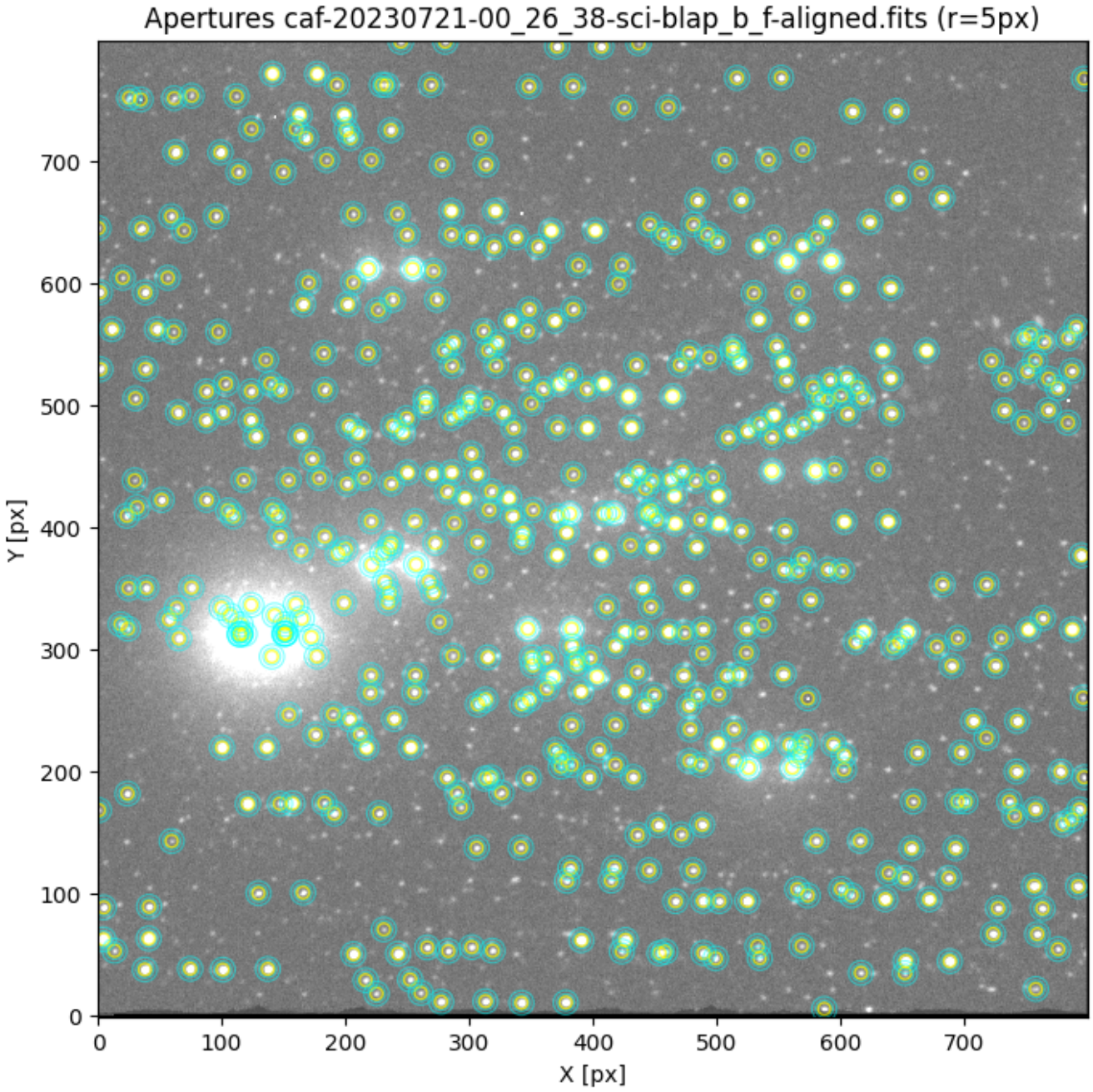
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X [px]
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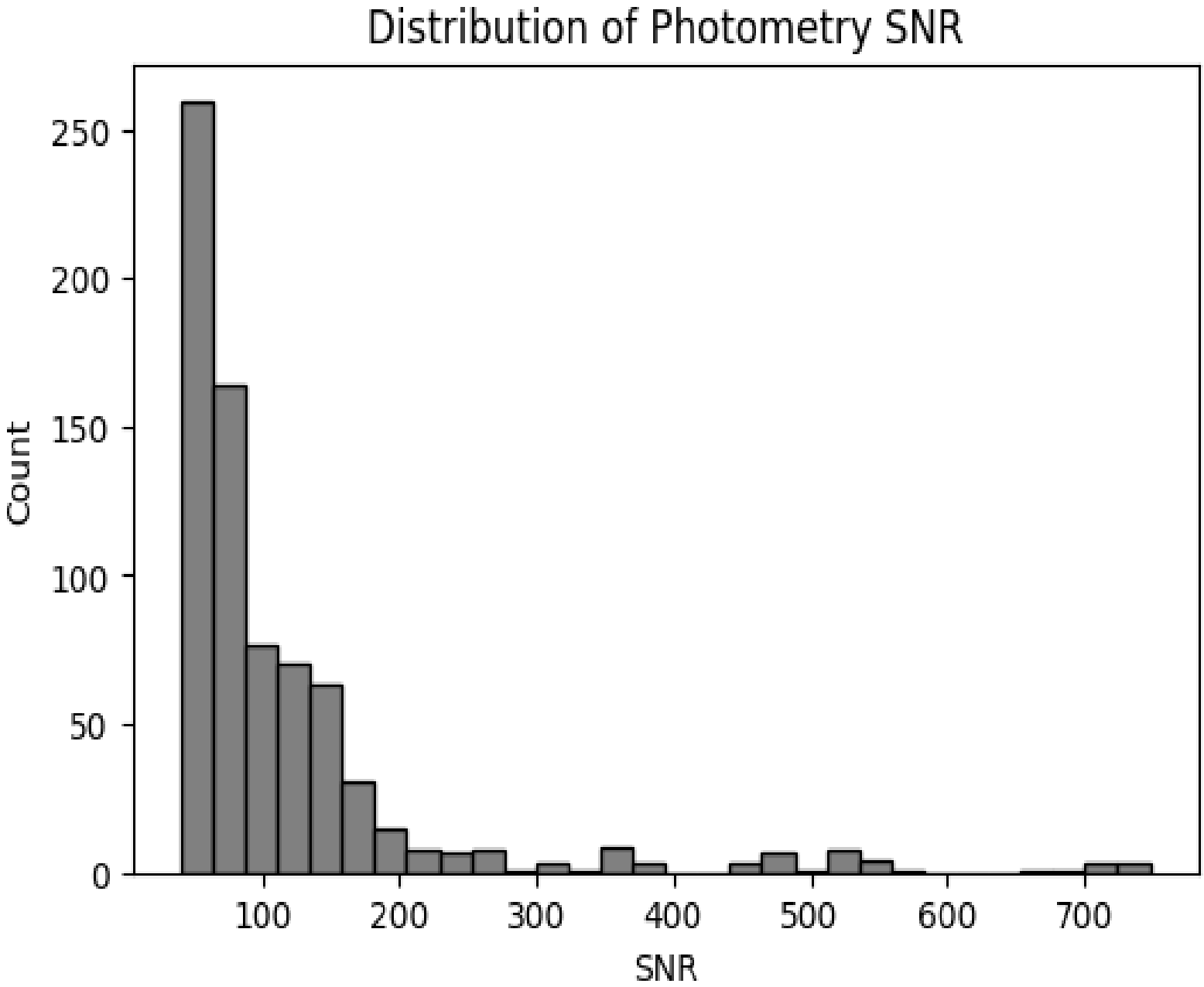
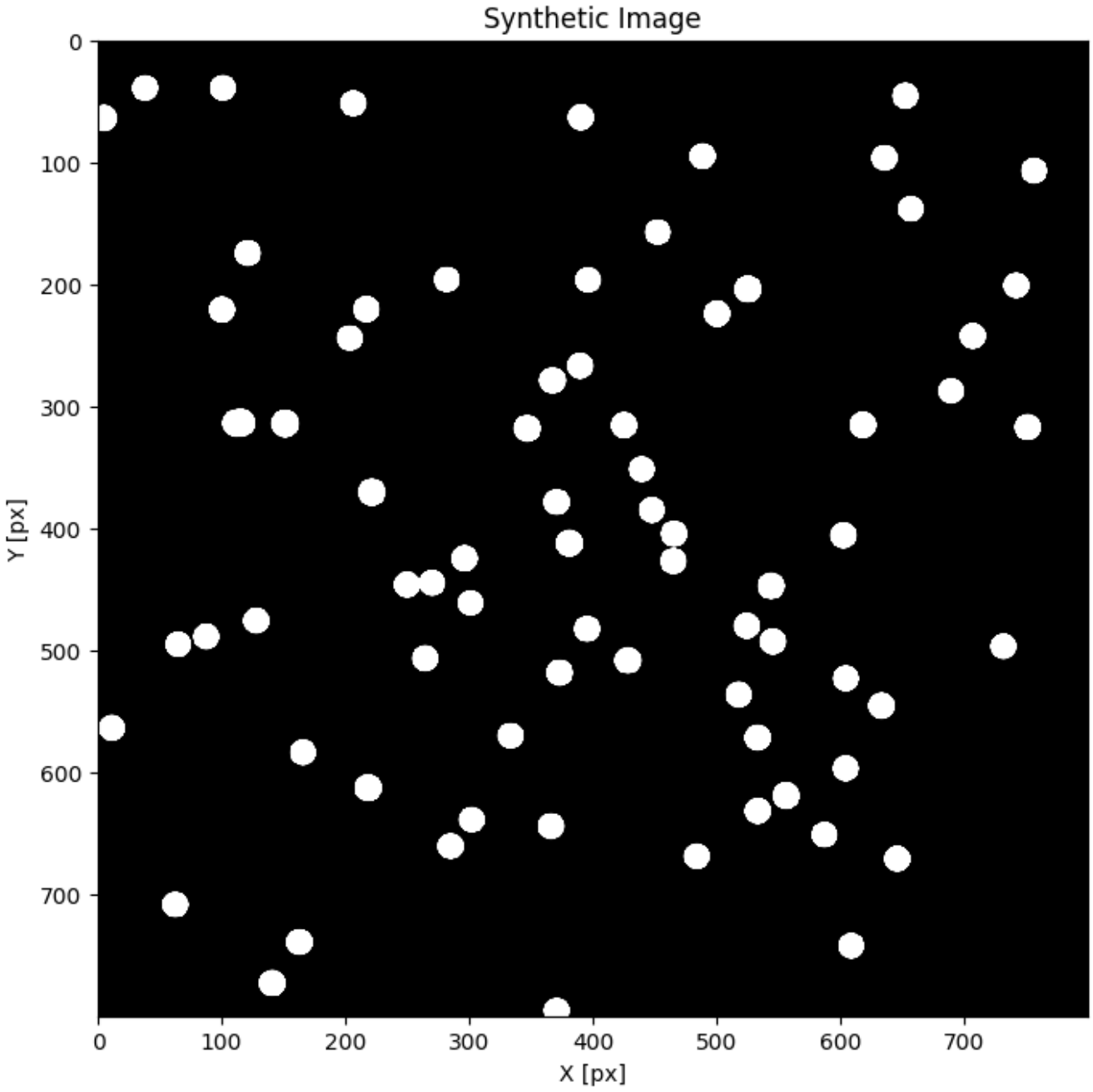
400
500
600
700

4. Fotometría — Histograma de SNR



5. Astrometría — Imagen sintética



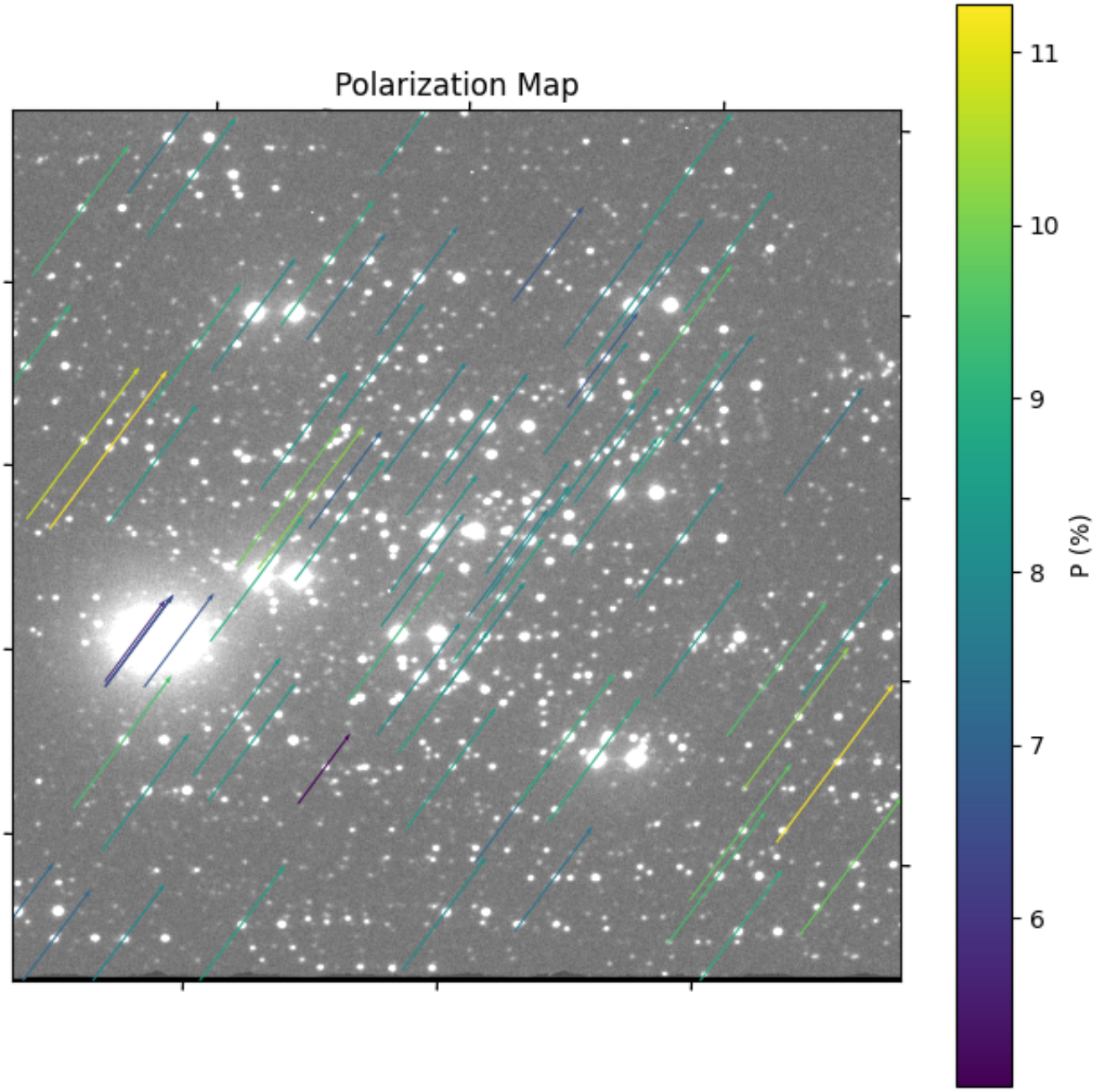
5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
6	278.310628	-10.450450	UCAC4 398-084084	Star
7	278.310927	-10.441289	Gaia DR3 4155017715112890624	Star
8	278.314814	-10.360908	UCAC4 399-080906	Star
10	278.313341	-10.426023	NGC 6649 71	Star
16	278.315995	-10.399299	NGC 6649 74	Star
17	278.314121	-10.455429	UCAC4 398-084084	Star
23	278.321251	-10.385112	NGC 6649 76	Star
24	278.322265	-10.363644	UCAC4 399-080906	Star
28	278.324503	-10.346044	Gaia DR2 4155024999377510272	Star
34	278.328578	-10.360754	GES J18331889-1021381	Star
38	278.330293	-10.390745	NGC 6649 421	Star
42	278.331100	-10.439141	UCAC4 398-084101	Star
48	278.335139	-10.415826	NGC 6649 45	Star
49	278.335812	-10.399157	NGC 6649 46	Star
50	278.338388	-10.348653	Gaia DR3 4155024926353432704	Star
52	278.337621	-10.380369	2MASS J18332105-1022486	RedSG
59	278.337853	-10.442428	Gaia DR3 4155014790227699200	Star
60	278.338400	-10.425437	NGC 6649 44	Star
62	278.340477	-10.384107	NGC 6649 48	Star
66	278.344325	-10.354013	Gaia DR3 4155024926353433856	Star
67	278.341843	-10.427527	NGC 6649 43	Star
74	278.346211	-10.400503	NGC 6649 24	Star
76	278.347860	-10.403822	NGC 6649 23	Star
81	278.350940	-10.356816	GES J18332426-1021239	Star
90	278.351660	-10.440780	BD-10 4718	SB*
91	278.351660	-10.440780	BD-10 4718	SB*
92	278.351954	-10.435525	GES J18332493-1026140	Star
93	278.351701	-10.441264	BD-10 4718	SB*
94	278.351691	-10.440701	BD-10 4718	SB*
96	278.354668	-10.367374	2MASS J18332515-1022018	Star
97	278.353626	-10.395582	NGC 6649 17	Star
98	278.355686	-10.347913	UCAC2 28238305	Be*

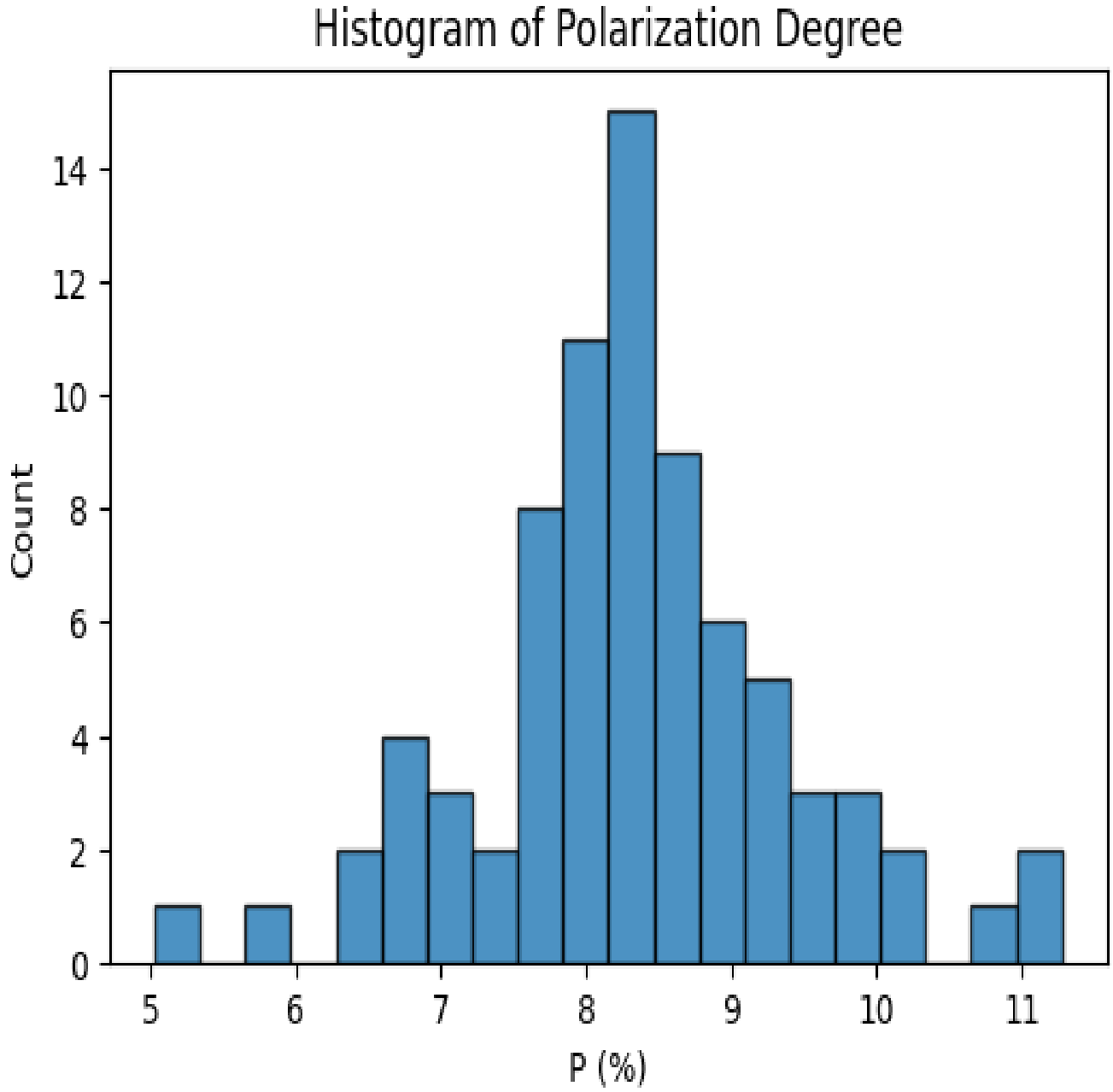
99	278.353589	-10.407017	NGC 6649 19	Star
111	278.359051	-10.393696	NGC 6649 16	Be*
116	278.360672	-10.425624	2MASS J18332658-1025317	RedSG
118	278.362670	-10.403870	NGC 6649 8	Star
120	278.364063	-10.392677	NGC 6649 15	Star
128	278.367053	-10.390167	NGC 6649 14	Star
130	278.368017	-10.370168	UCAC4 399-080995	Star
134	278.367747	-10.402555	NGC 6649 9	Be*
138	278.369125	-10.414985	NGC 6649 5	Star
139	278.370385	-10.390367	NGC 6649 13	Star
143	278.371970	-10.418916	NGC 6649 4	Star
144	278.372055	-10.421875	NGC 6649 3	Star
146	278.373851	-10.378930	NGC 6649 28	Star
148	278.374586	-10.414472	NGC 6649 226	Star
150	278.375800	-10.439810	NGC 6649 41	Star
152	278.378601	-10.381974	NGC 6649 29	Star
154	278.378248	-10.400838	NGC 6649 34	Star
157	278.377525	-10.445769	Cl* NGC 6649 WL 848	Star
159	278.380628	-10.378968	NGC 6649 30	Star
160	278.378346	-10.449114	Gaia DR3 4155020429520782080	Star
163	278.382291	-10.351722	GES J18333179-1021056	Star
165	278.381119	-10.420073	NGC 6649 37	Star
167	278.382267	-10.396161	NGC 6649 33	Star
174	278.383458	-10.404282	NGC 6649 35	Star
176	278.385453	-10.370500	Gaia DR3 4155024277822923904	Star
183	278.386939	-10.383228	NGC 6649 31	Star
187	278.388955	-10.366398	GES J18333339-1021584	Star
193	278.388237	-10.457303	Gaia DR3 4155020360812652032	Star
194	278.390920	-10.410340	NGC 6649 40	Star
195	278.392268	-10.381180	NGC 6649 57	Star
197	278.392033	-10.434892	NGC 6649 65	Be*
200	278.396416	-10.370902	Gaia DR3 4155024243463171328	EclBin
202	278.396622	-10.427364	V* V367 Sct	ClassicalCep
204	278.399461	-10.378058	NGC 6649 58	Star
206	278.401203	-10.381476	NGC 6649 59	Be*

208	278.400959	-10.415277	NGC 6649 63	Star
211	278.402108	-10.405962	NGC 6649 61	Star
214	278.404400	-10.373691	GES J18333709-1022247	Star
216	278.404097	-10.417889	ZTF J183337.02-102503.7	LongPeriodV*
217	278.406436	-10.388874	Gaia DR3 4155021254165908608	Star
218	278.407682	-10.365184	GES J18333788-1021542	Star
223	278.410006	-10.450606	GES J18333842-1027012	Star
226	278.415107	-10.436140	UCAC4 398-084235	Star
227	278.418066	-10.370990	GES J18334036-1022151	Star
232	278.419989	-10.439520	GES J18333957-1026273	Star
233	278.424603	-10.406076	Gaia DR3 4155020979287963904	Star

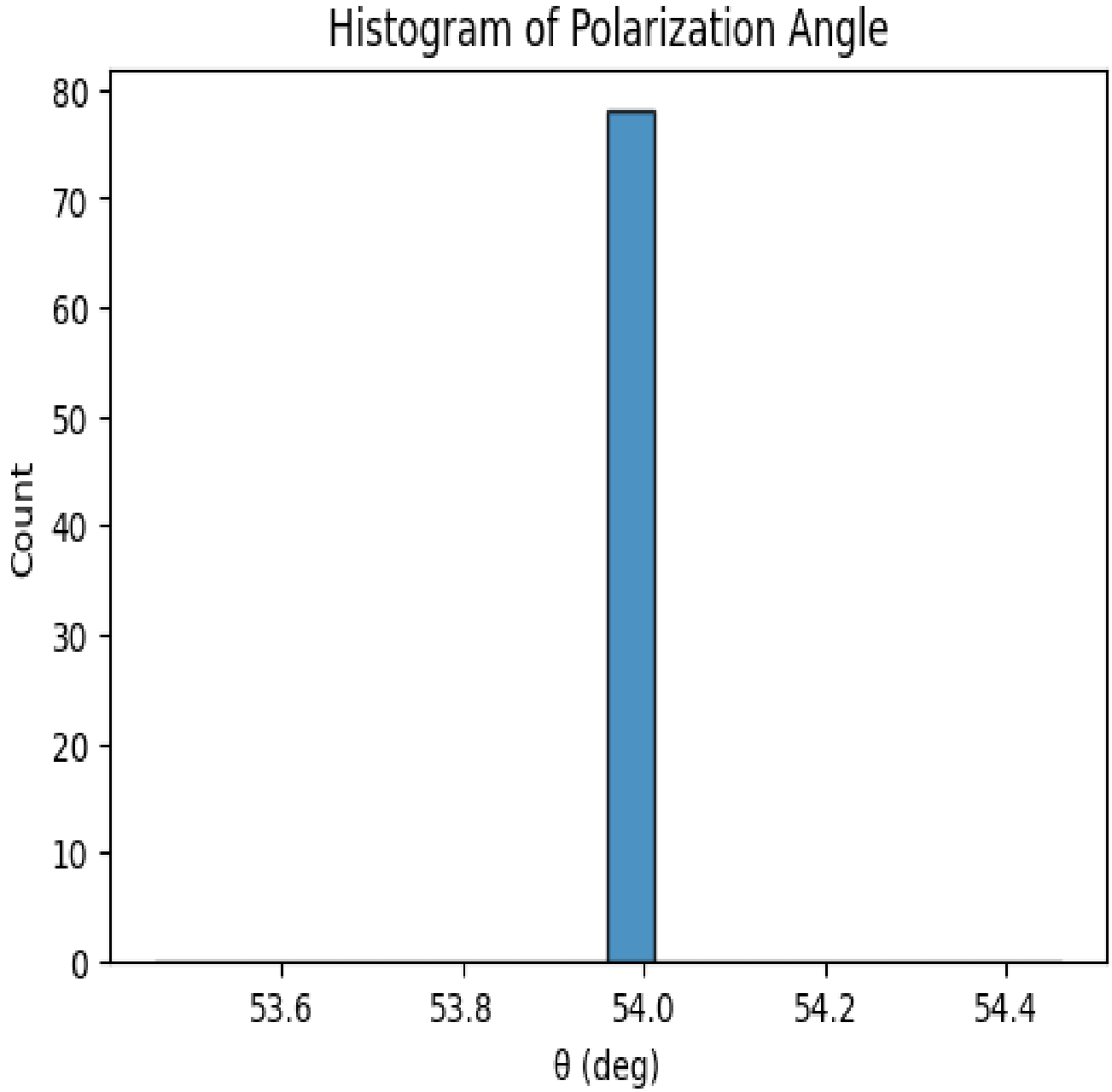
6. Polarimetría — Mapa de polarización



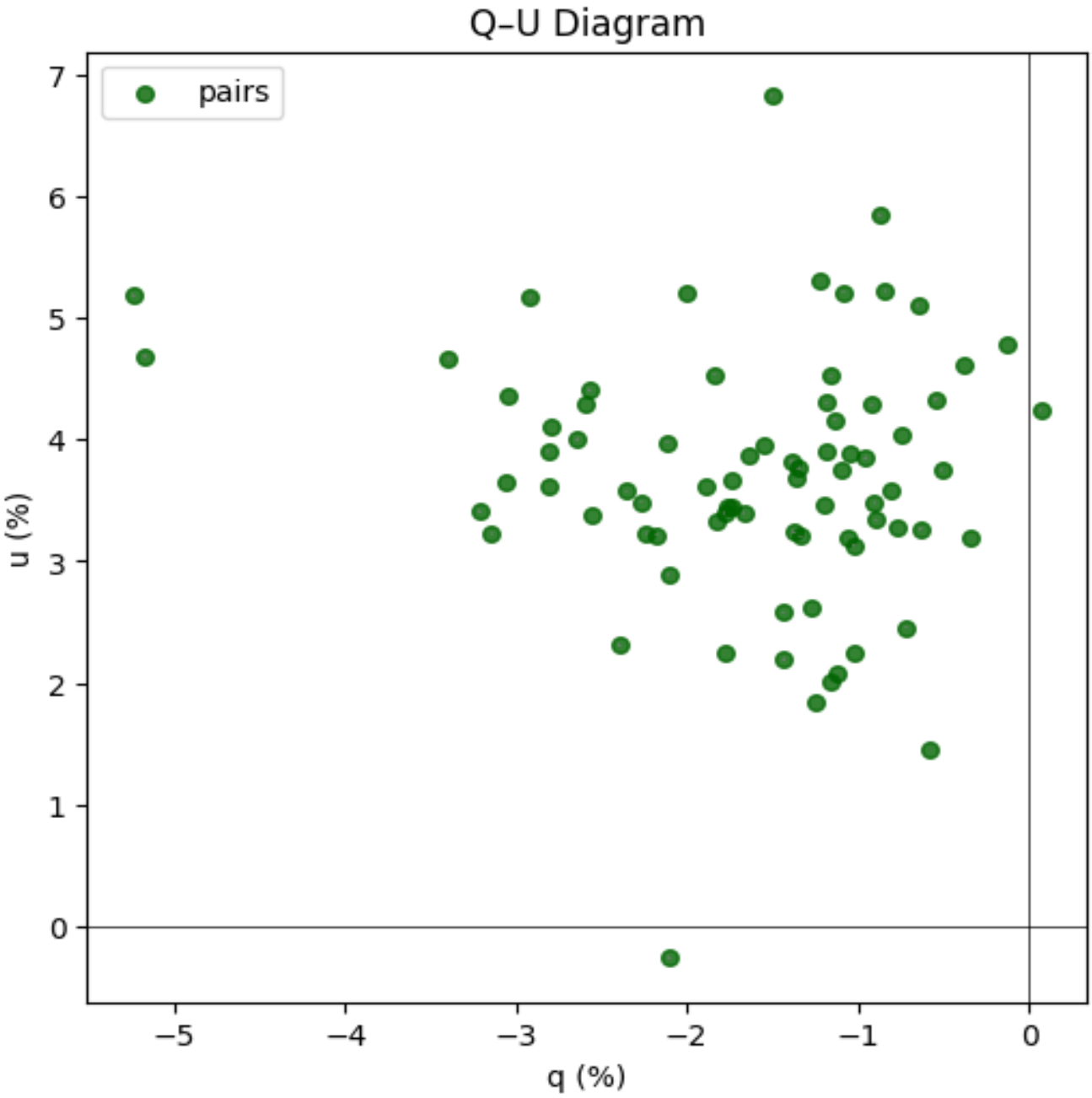
6. Polarimetría — Histograma de P



6. Polarimetría — Histograma de θ



6. Polarimetría — Diagrama Q–U

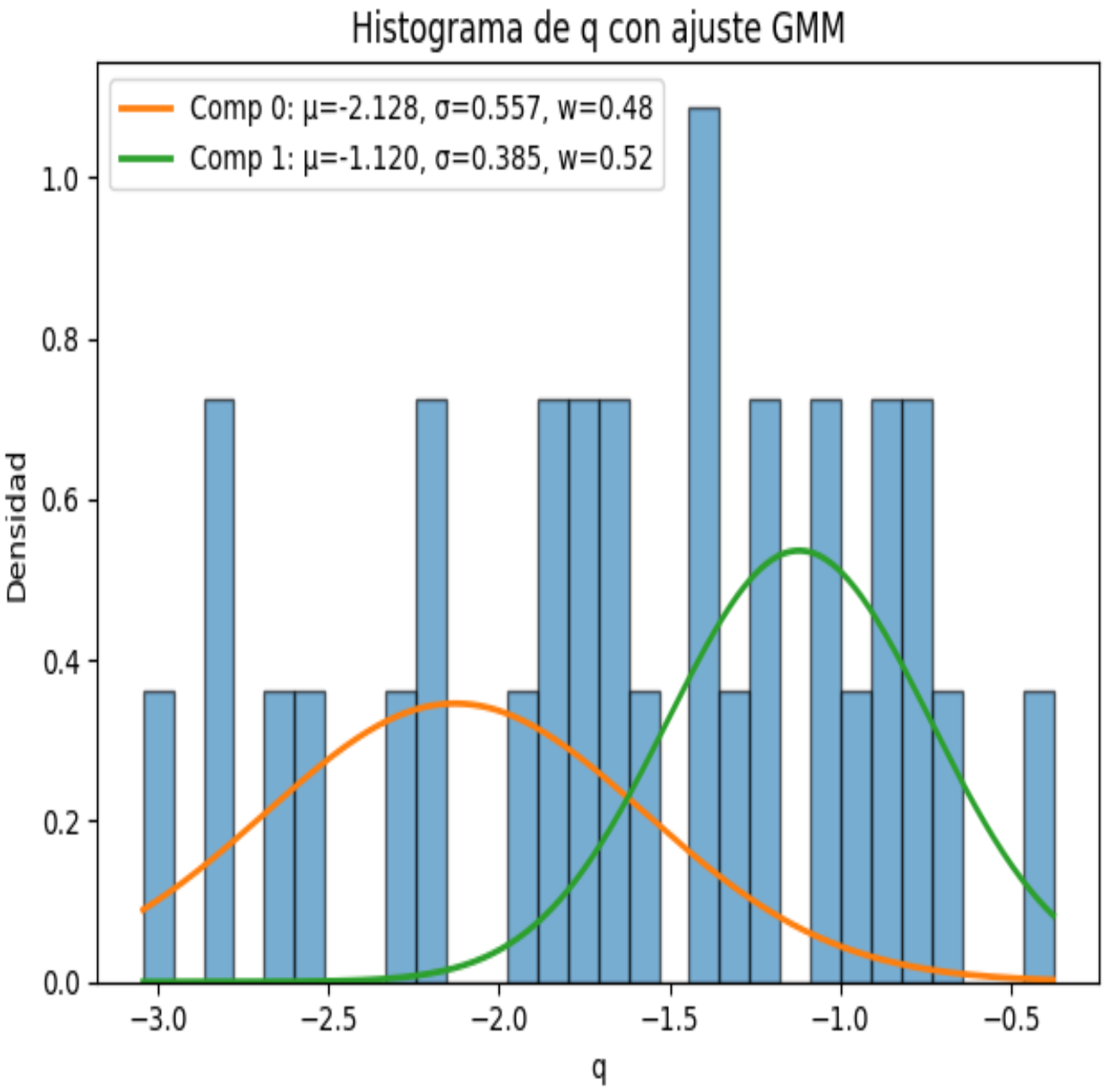


6. Polarimetría — Estimación Interestelar (ISM)

Comp.	Q mean ± Q σ	Q weight	U mean ± U σ	U weight
0	-2.128 ± 0.557	0.4827178035461547	3.551 ± 0.276	0.5530540787011669
1	-1.120 ± 0.385	0.5172821964538453	3.918 ± 0.628	0.4469459212988332

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
Comp 0: μ=-2.128, σ=0.557, w=0.48
Comp 1: μ=-1.120, σ=0.385, w=0.52
Densidad
q
0.0
0.2
0.4
0.6
0.8
1.0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5

6. Polarimetría — Histograma de ISM con ajuste GMM U