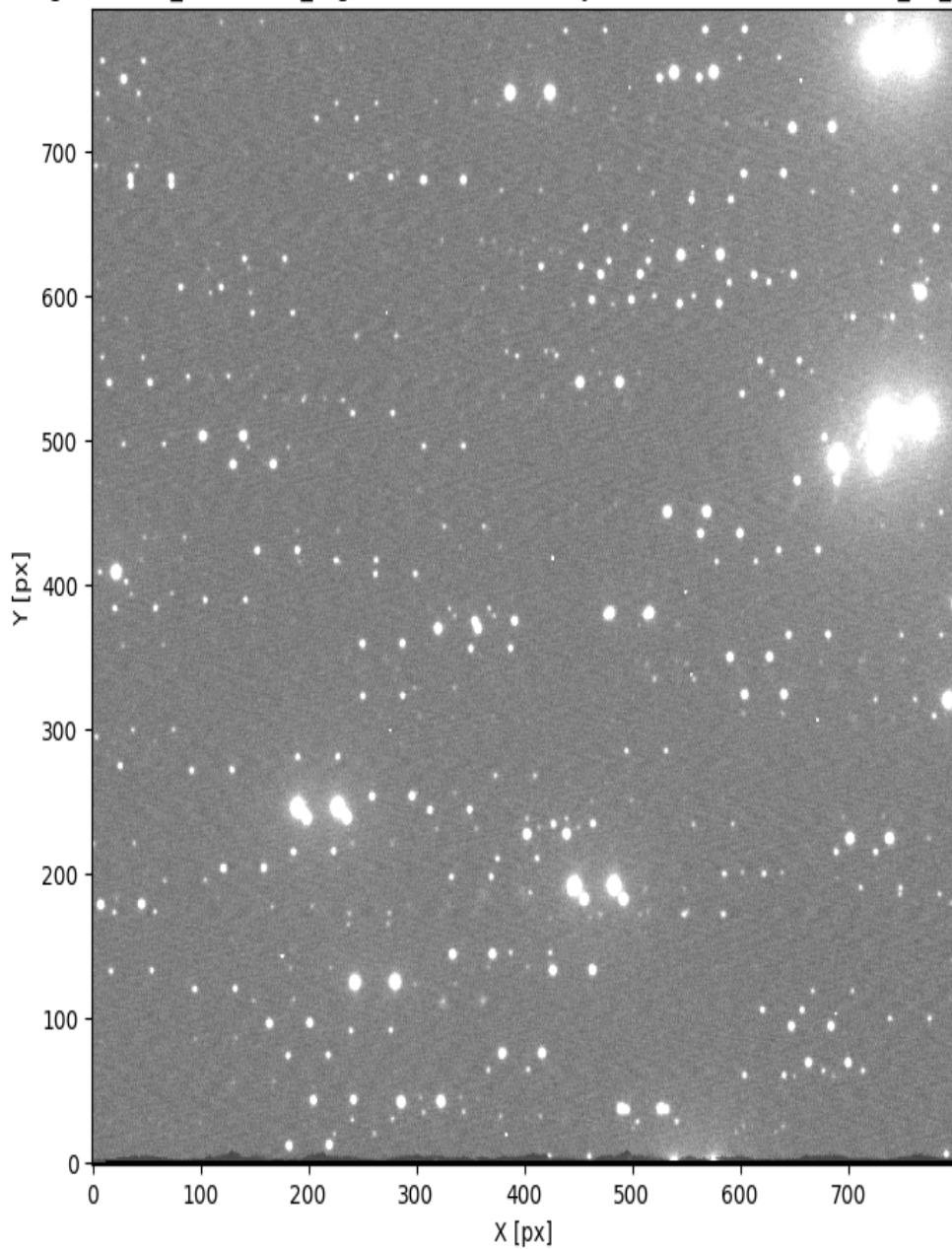
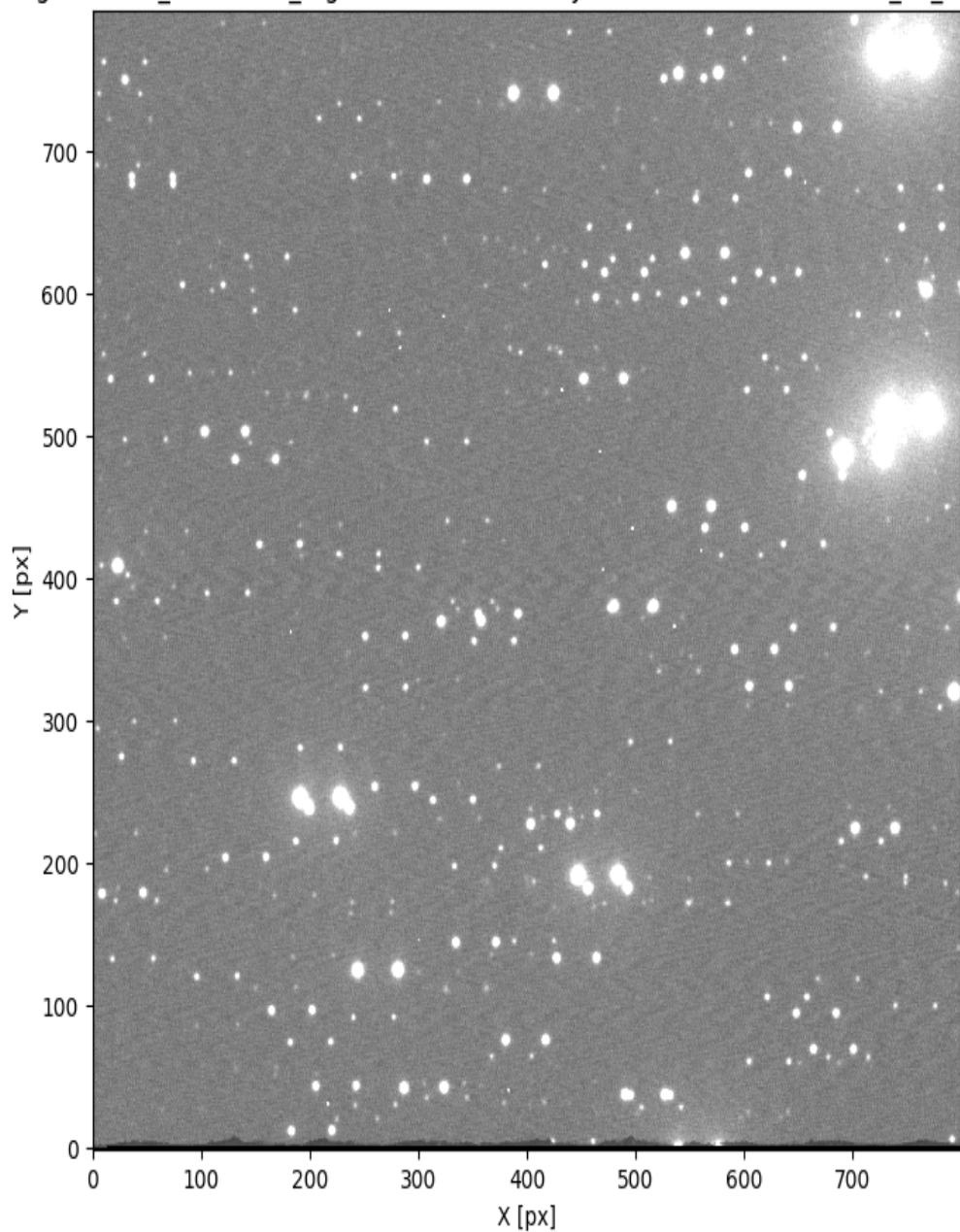


1. Imágenes originales

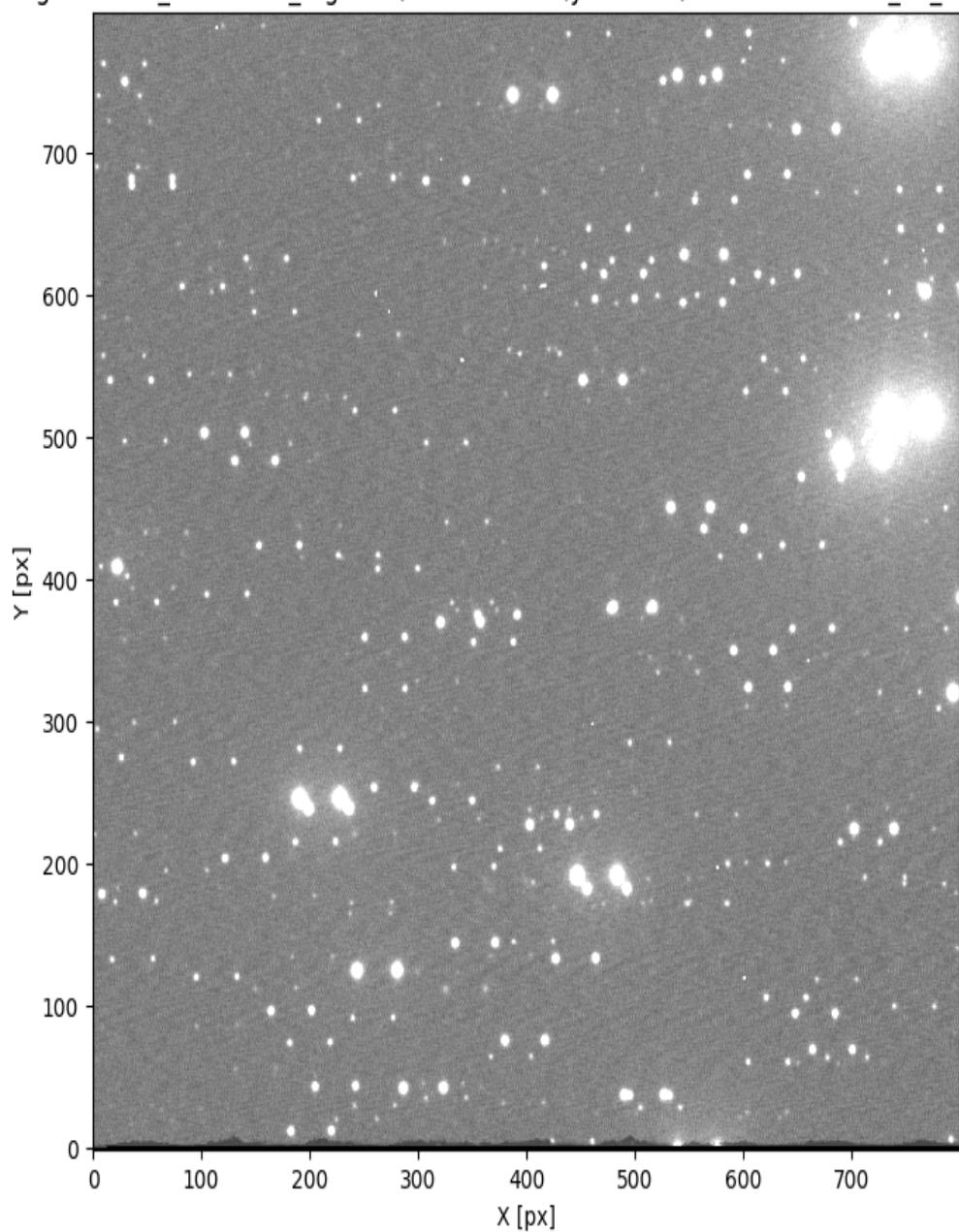
Reference Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_36_30-sci-blap_b_f.fits



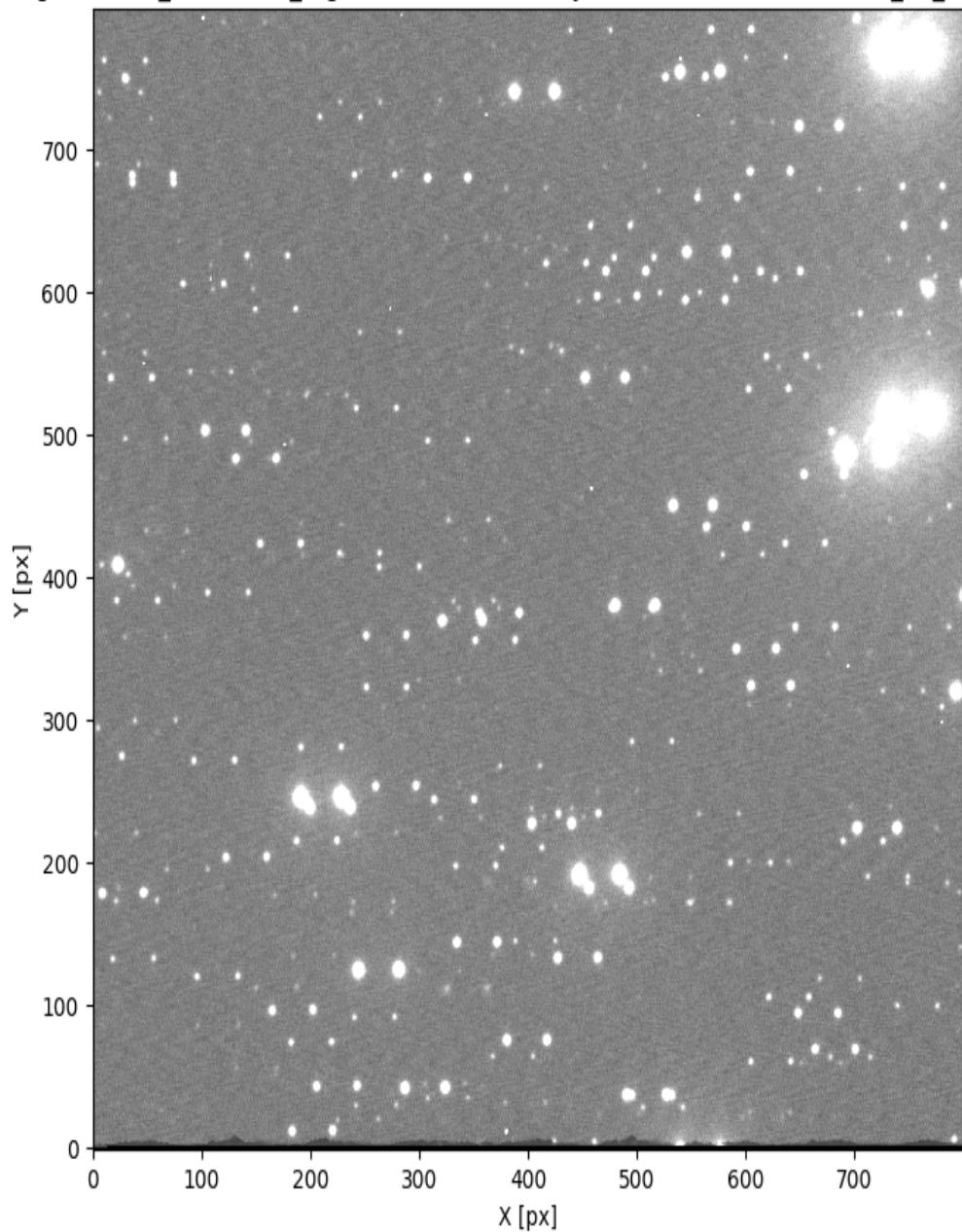
Original Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_37_54-sci-blap_b_f.fits



Original Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_39_18-sci-blap_b_f.fits

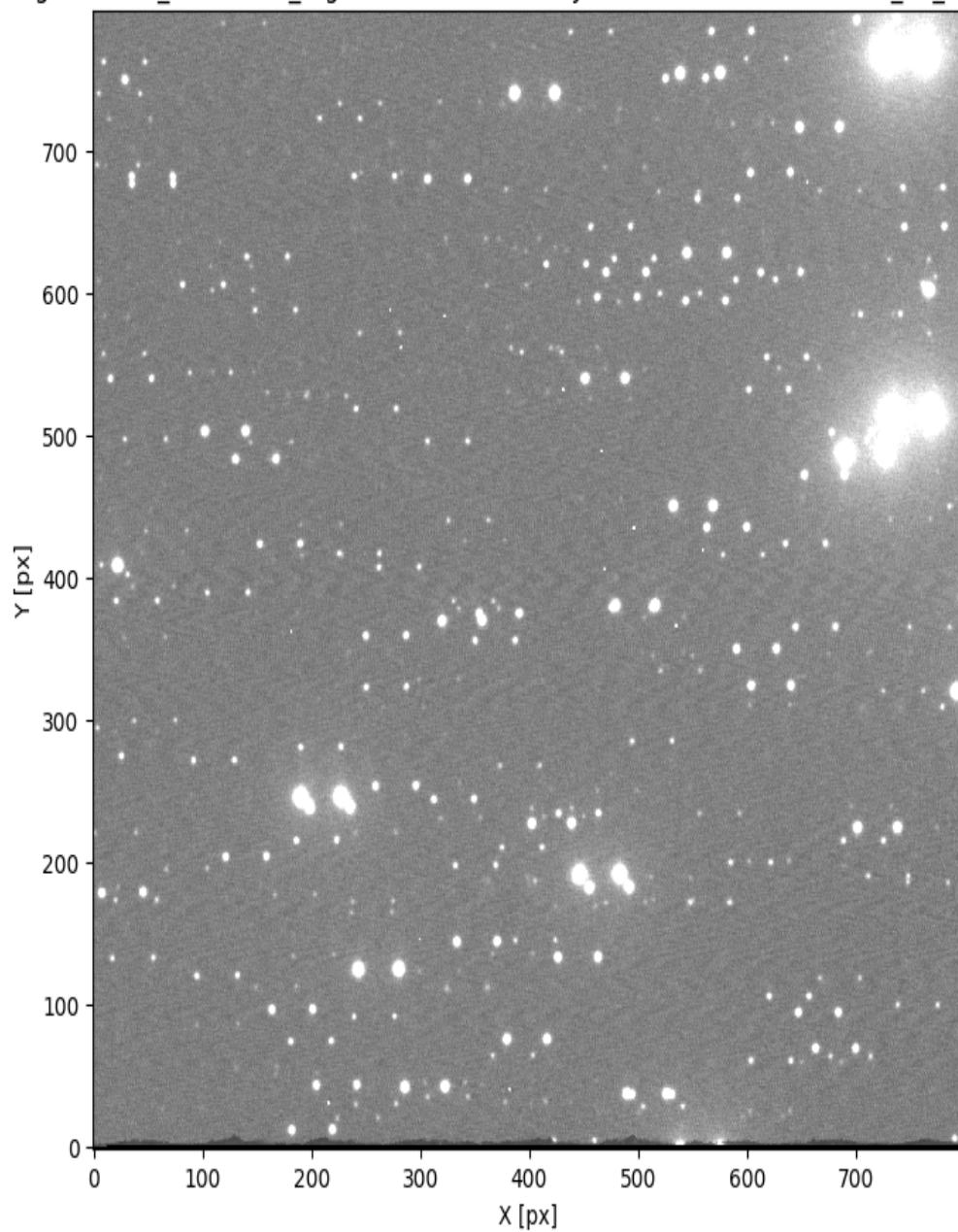


Original Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_40_41-sci-blap_b_f.fits

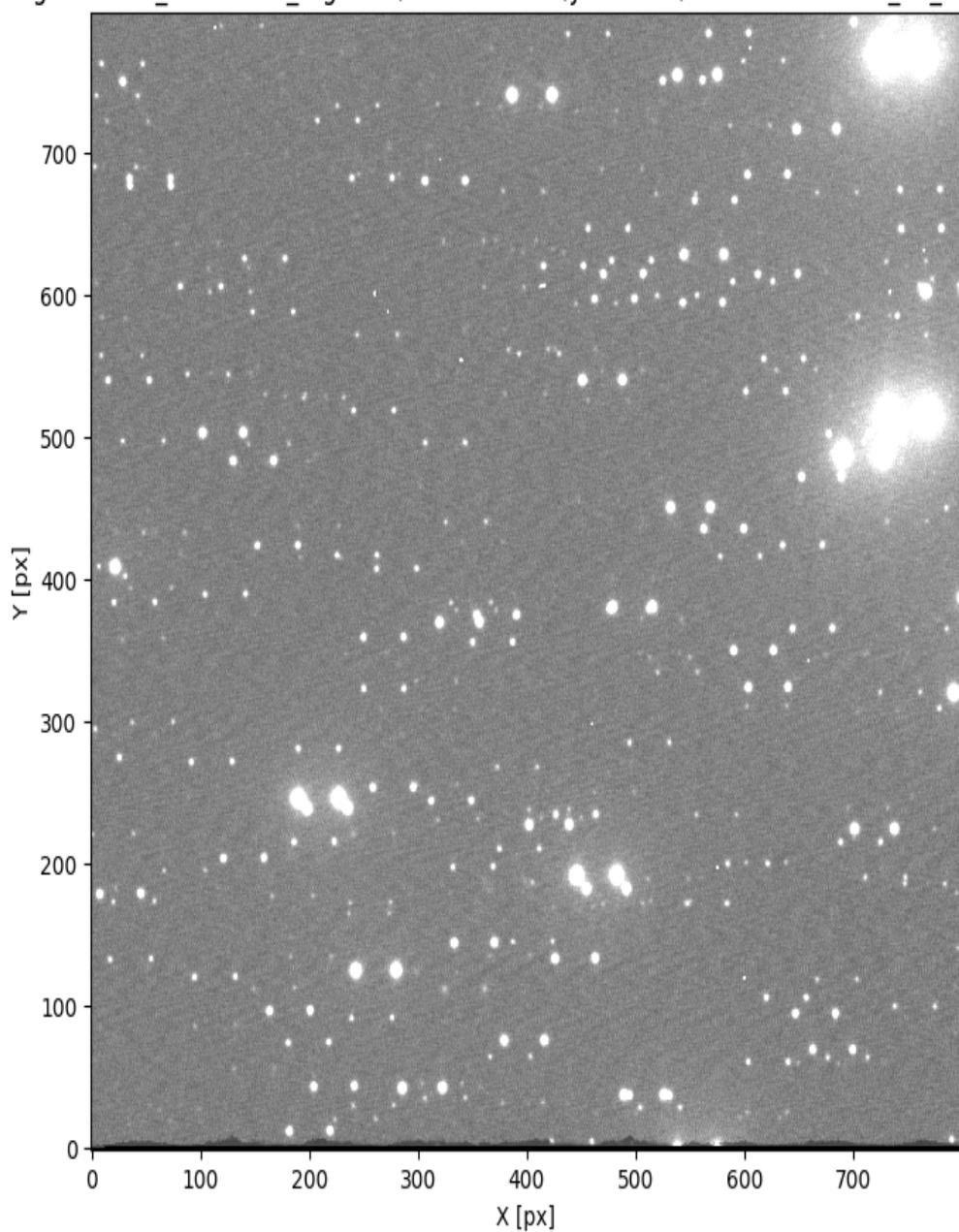


2. Imágenes alineadas

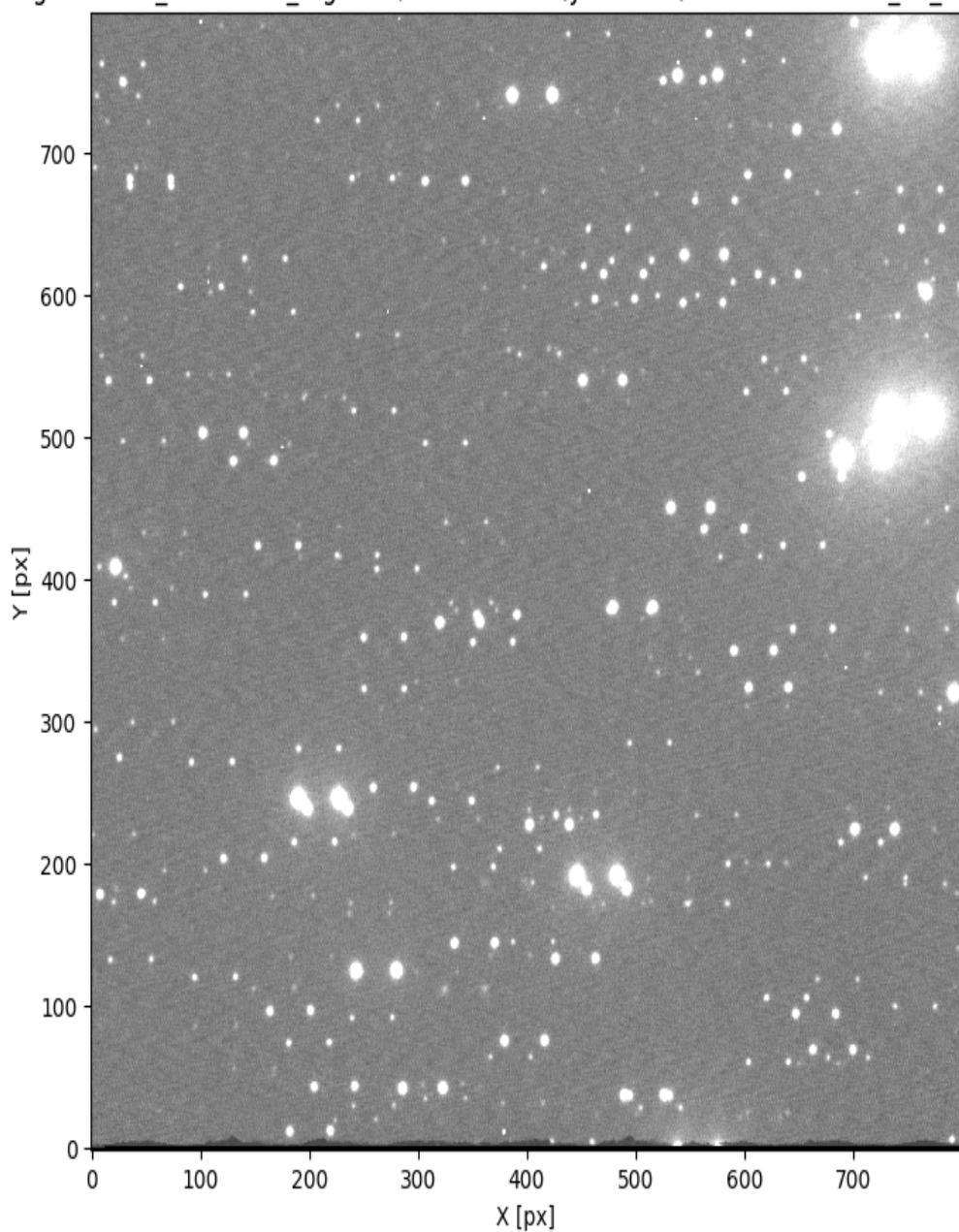
Aligned Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_37_54-sci-blap_b_f.fits



Aligned Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_39_18-sci-blap_b_f.fits

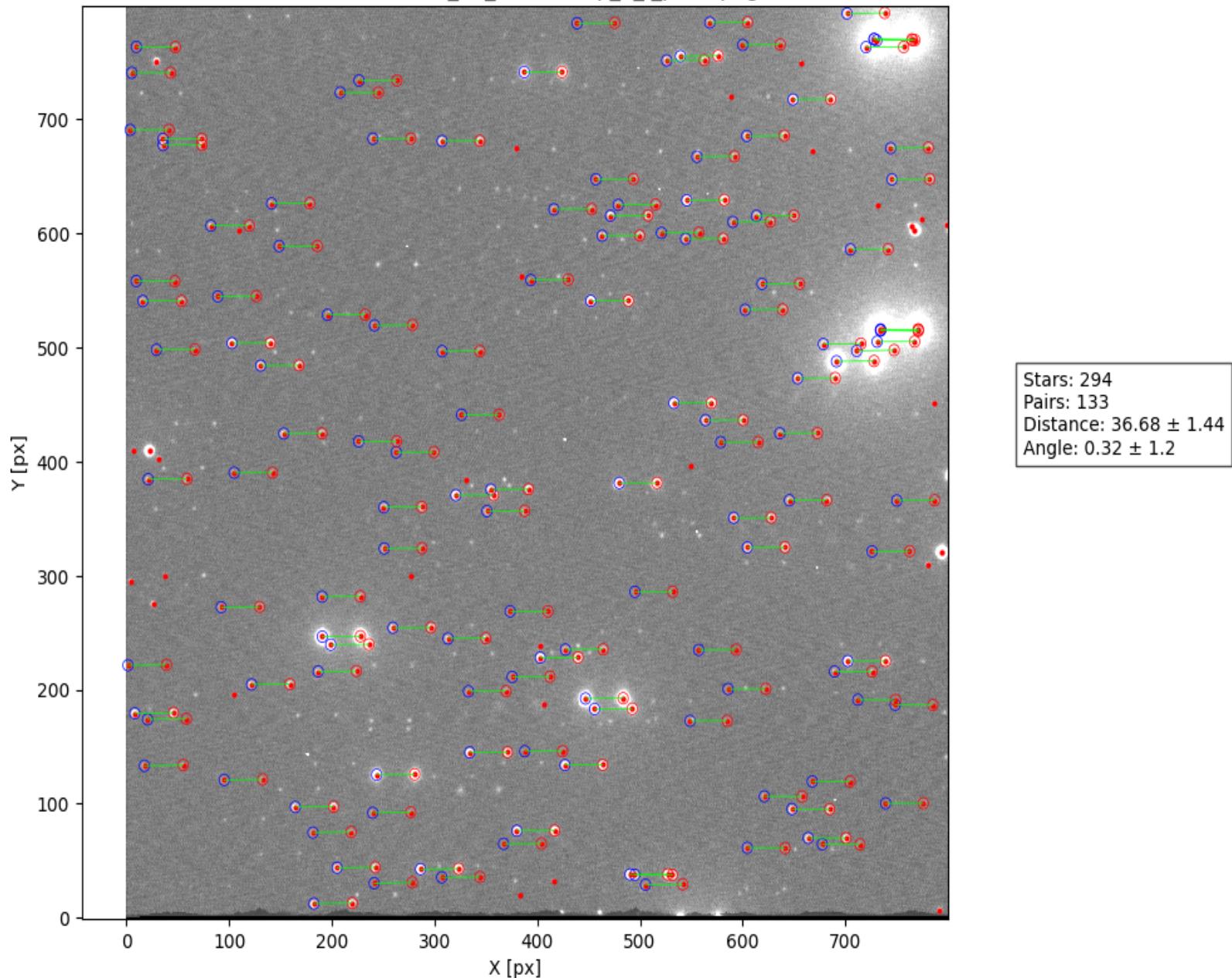


Aligned Image noche1_20230720_organize/1H1936+541/JohnsonV/caf-20230721-00_40_41-sci-blap_b_f.fits

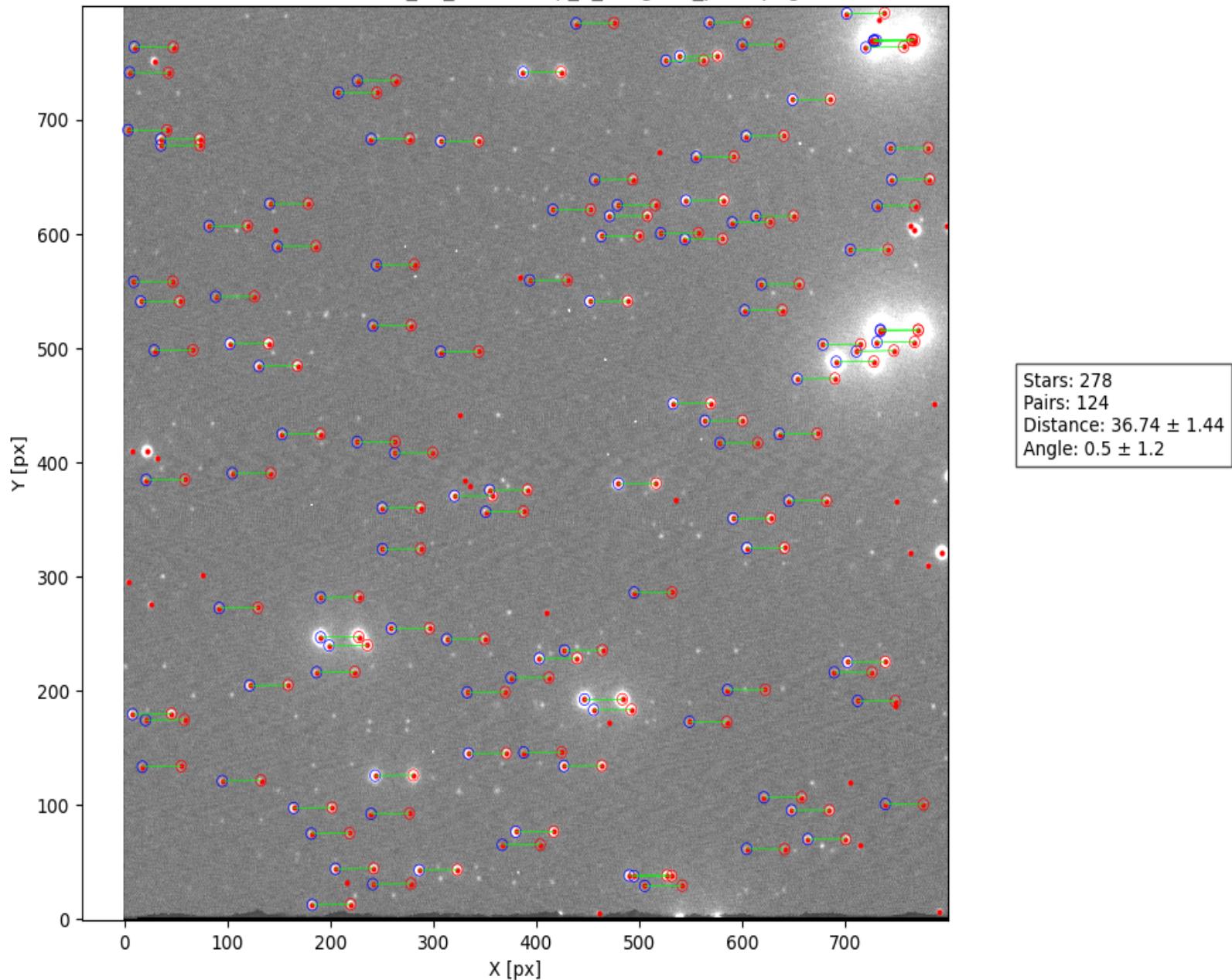


3. Imágenes con pares identificados

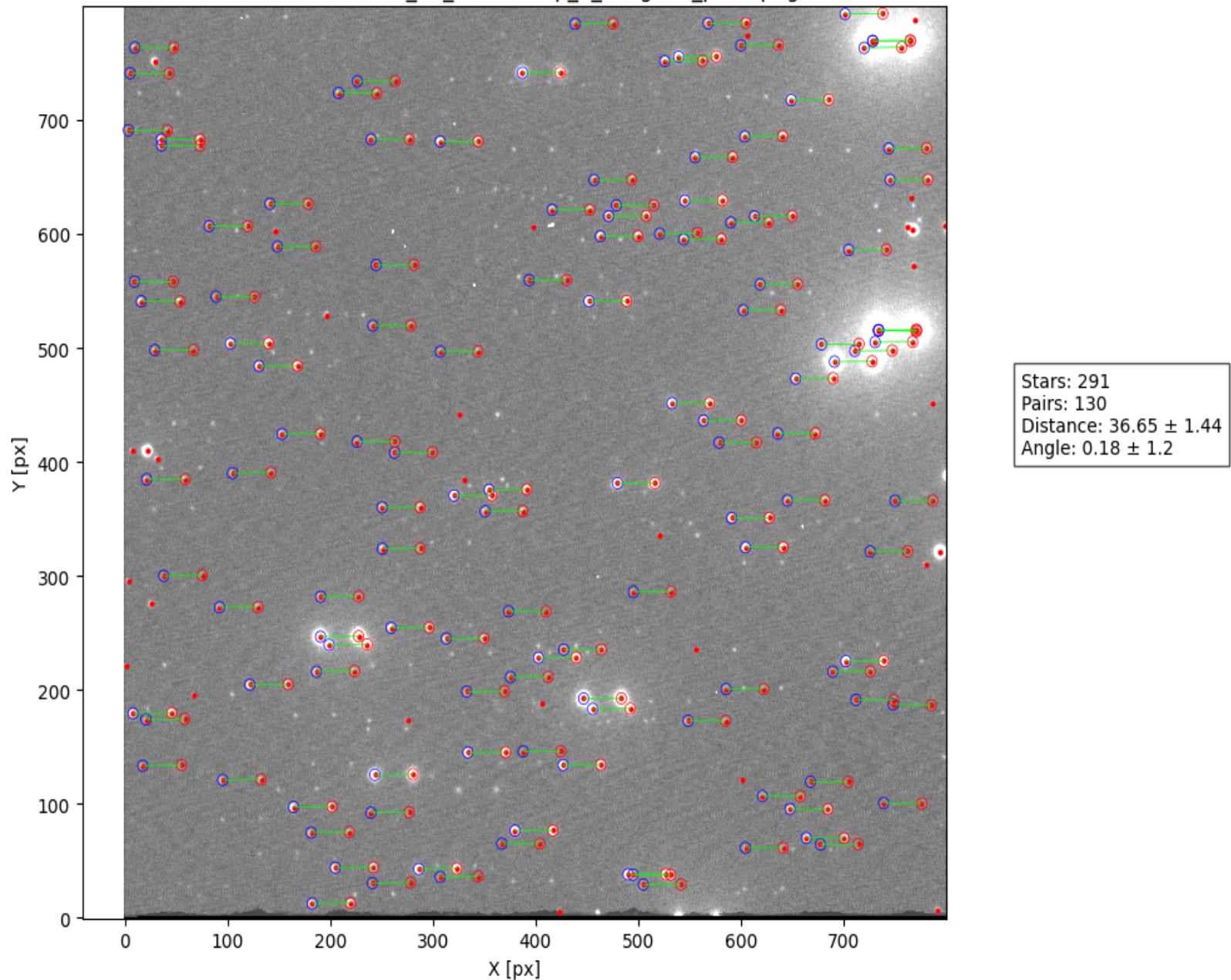
caf-20230721-00_36_30-sci-blap_b_f_pairs.png



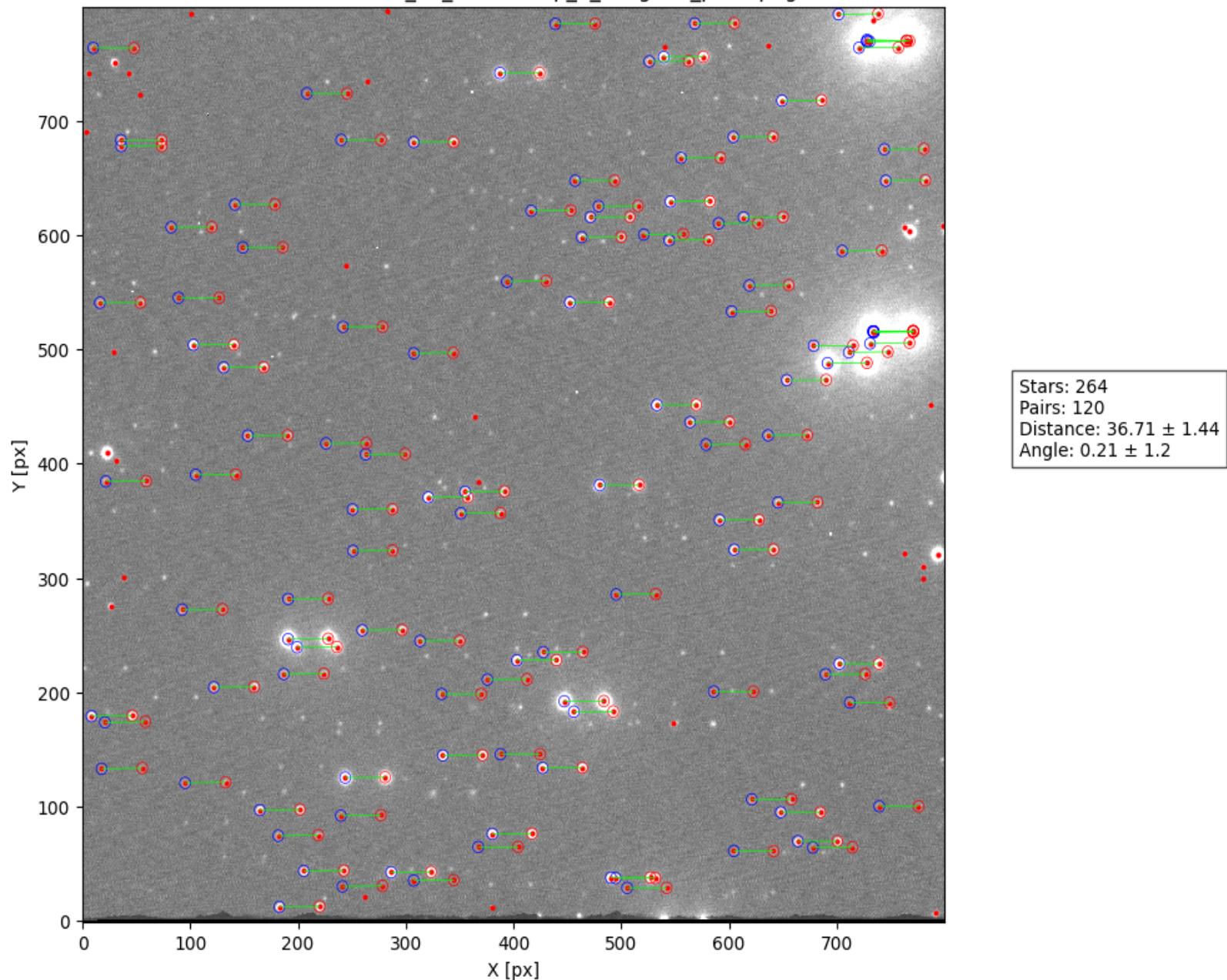
caf-20230721-00_37_54-sci-blap_b_f-aligned_pairs.png



caf-20230721-00_39_18-sci-blap_b_f-aligned_pairs.png

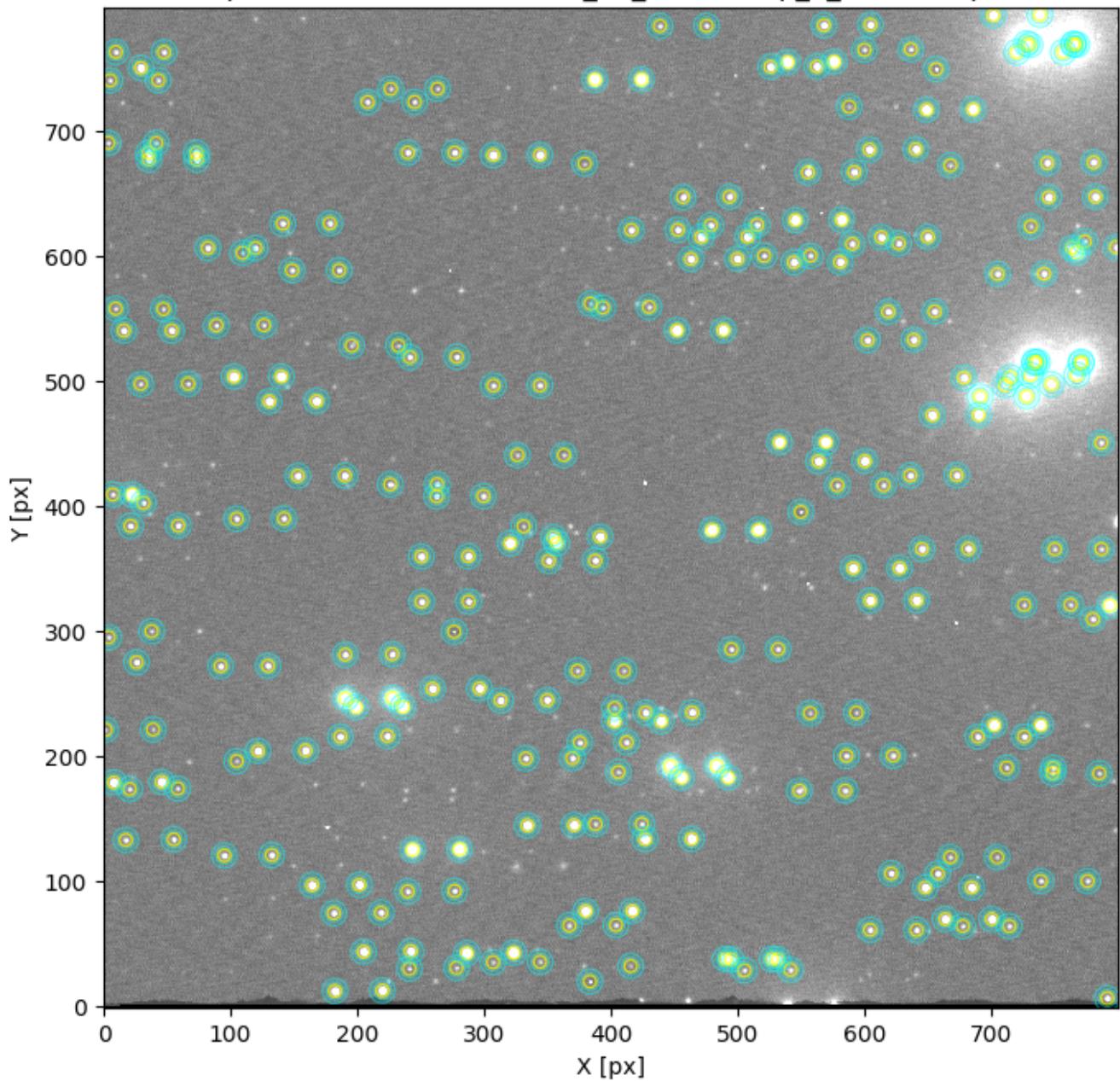


caf-20230721-00_40_41-sci-blap_b_f-aligned_pairs.png

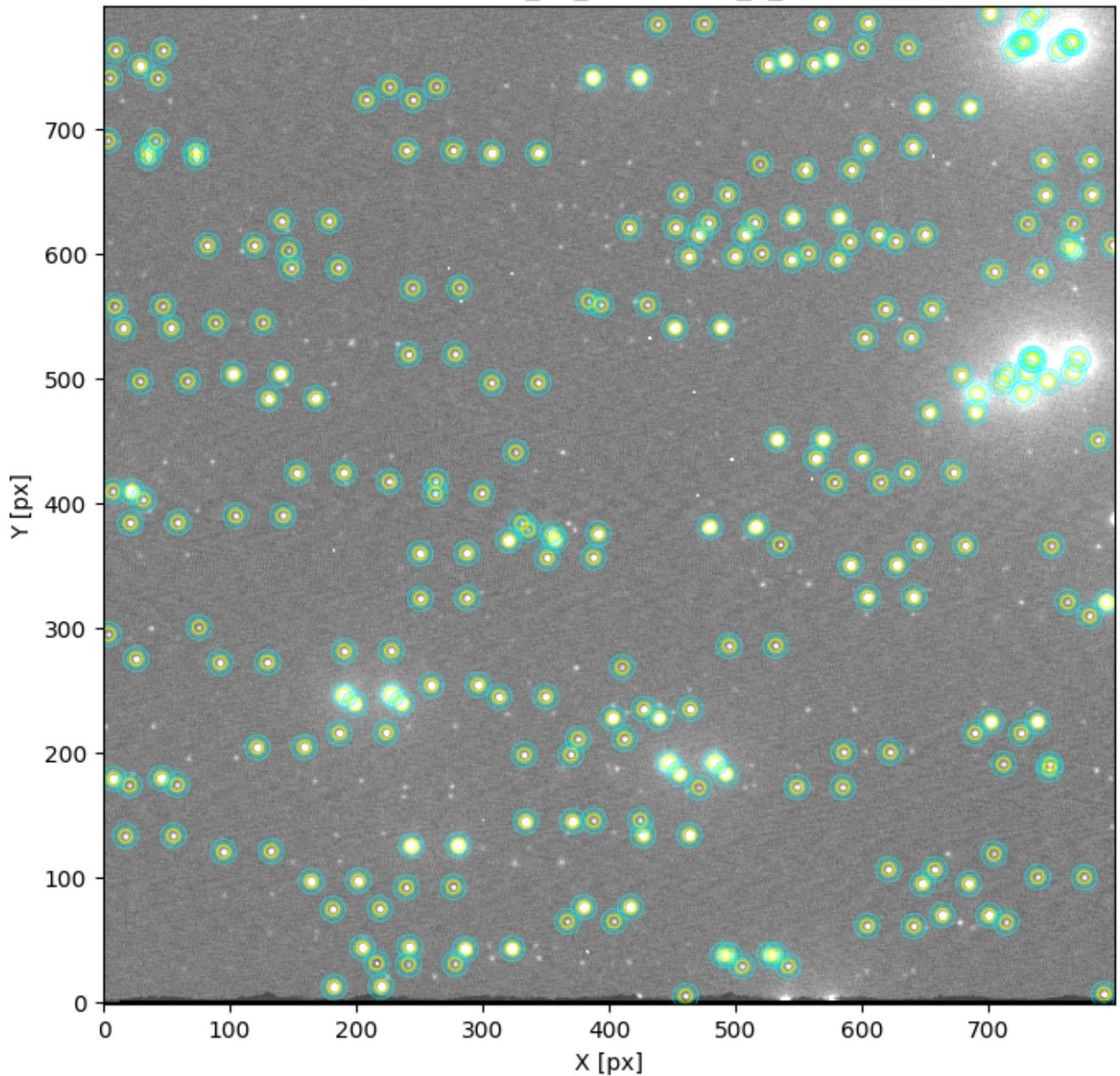


4. Fotometría — Aperturas

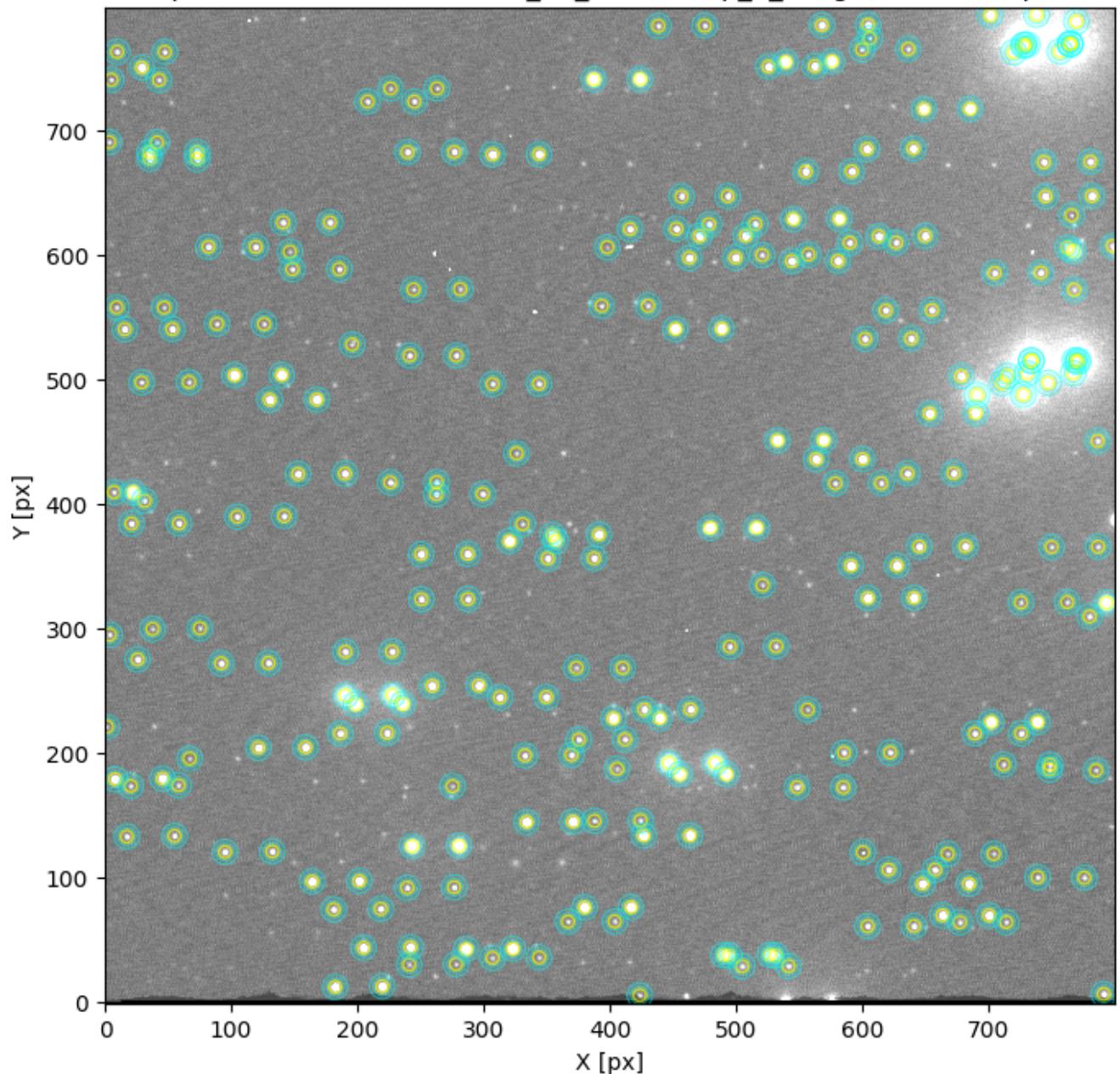
Apertures caf-20230721-00_36_30-sci-blap_b_f.fits ($r=5\text{px}$)



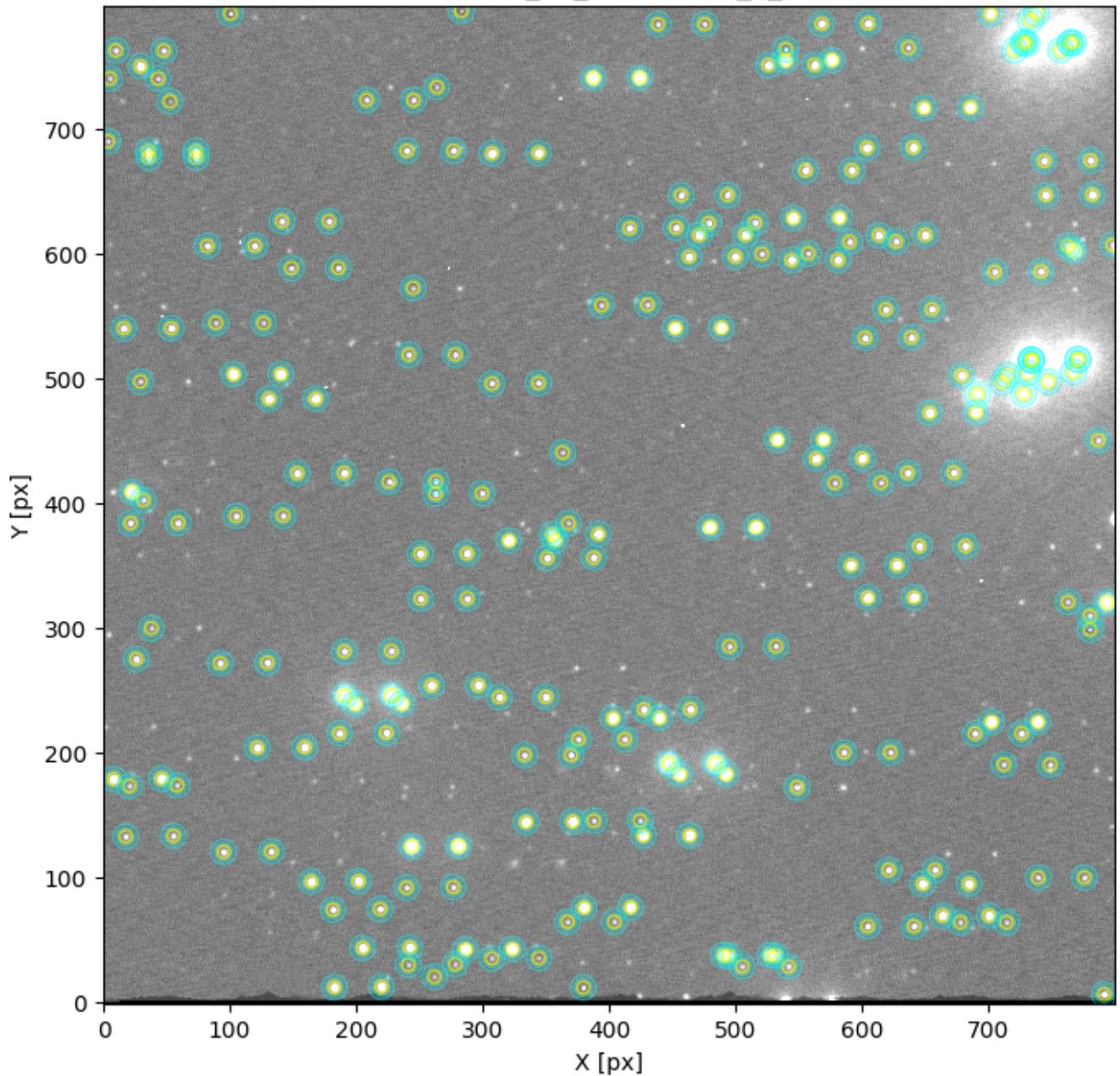
Apertures caf-20230721-00_37_54-sci-blap_b_f-aligned.fits (r=5px)



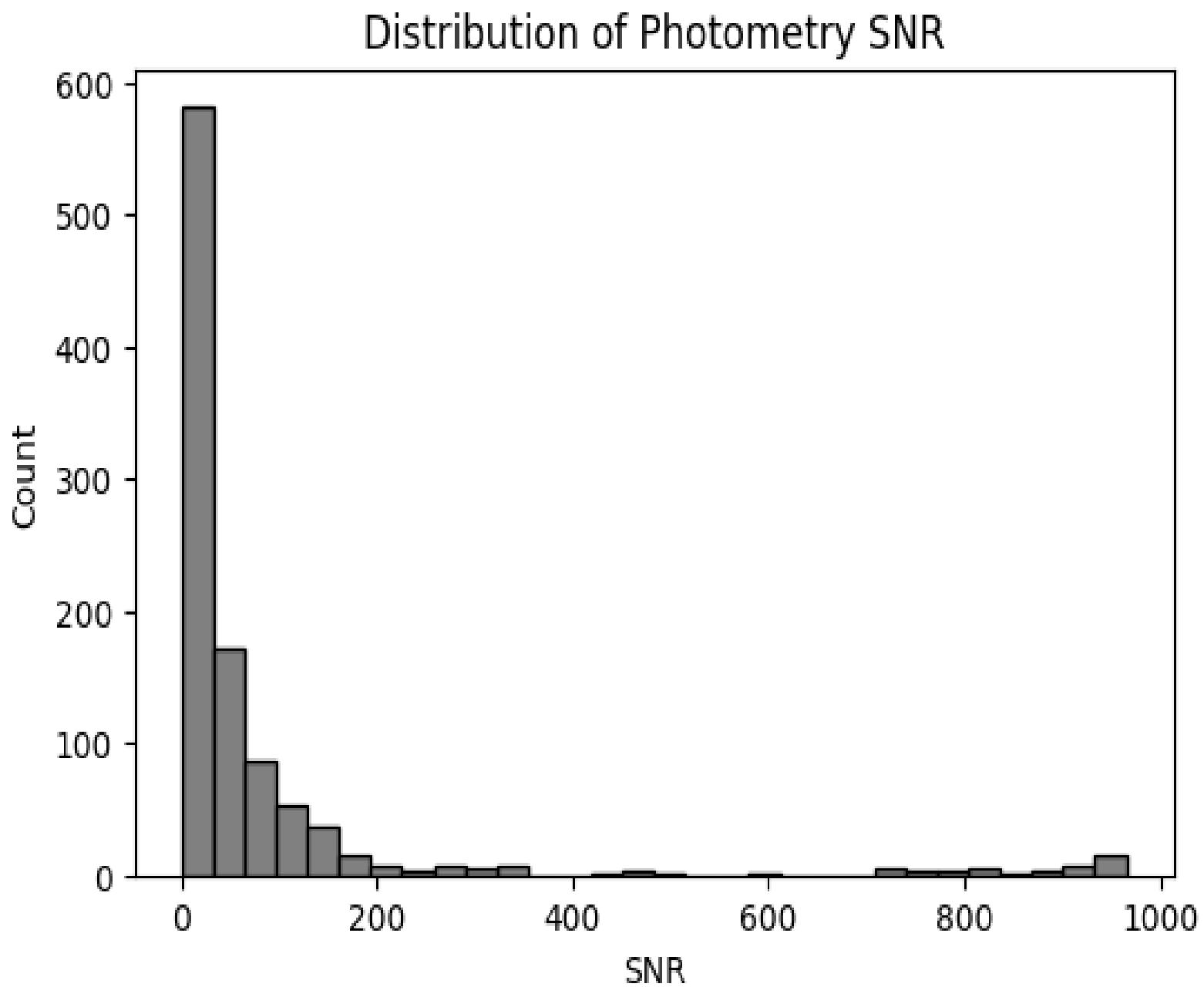
Apertures caf-20230721-00_39_18-sci-blap_b_f-aligned.fits (r=5px)



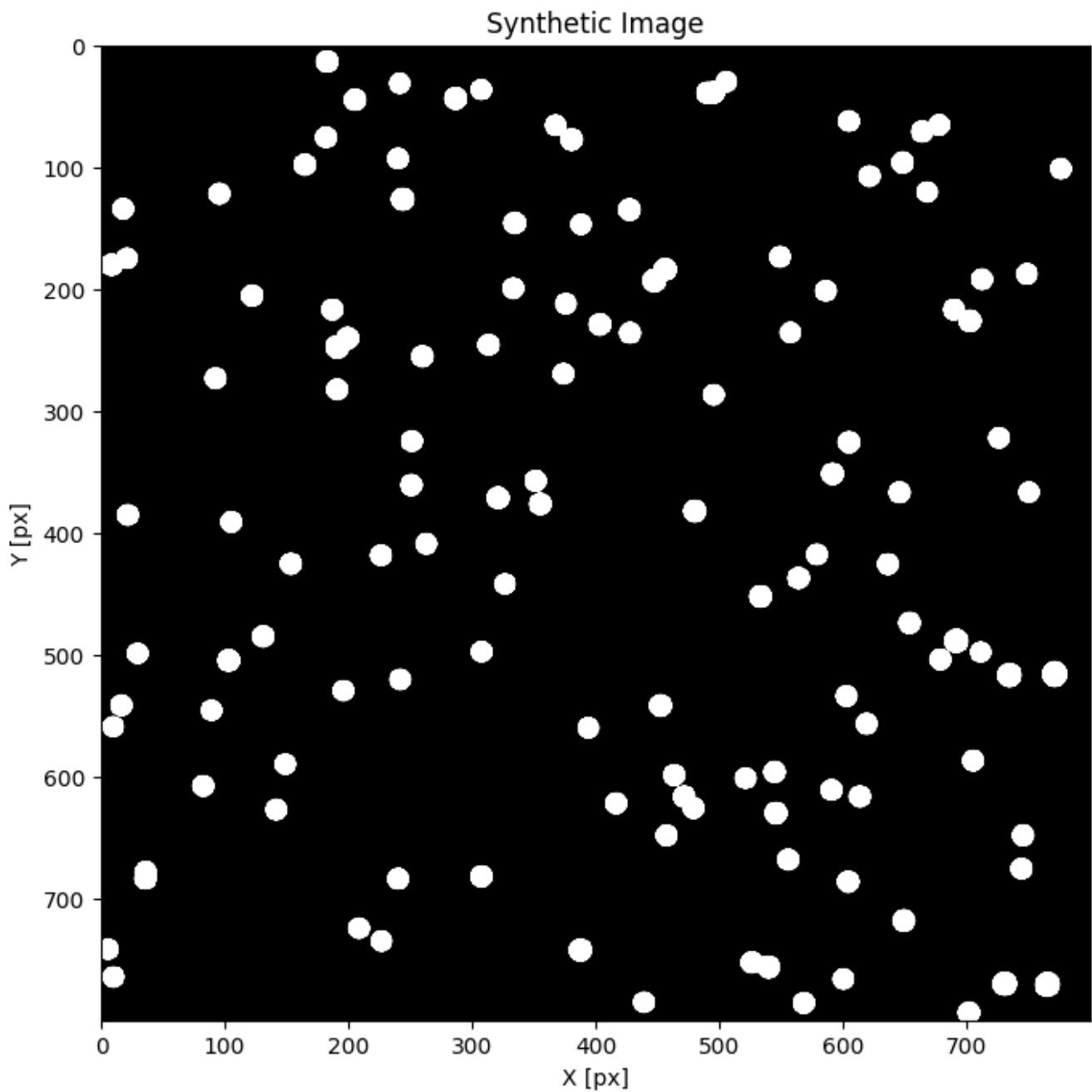
Apertures caf-20230721-00_40_41-sci-blap_b_f-aligned.fits (r=5px)



4. Fotometría — Histograma de SNR



5. Astrometría — Imagen sintética



5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
0	294.354331	54.210757	No_ID	
1	294.361299	54.257791	TYC 3934-44-1	Star
2	294.359299	54.219228	No_ID	
3	294.361172	54.228823	No_ID	
4	294.363367	54.256232	TYC 3934-44-1	Star
5	294.363410	54.255538	TYC 3934-44-1	Star
6	294.362784	54.225759	No_ID	
7	294.362355	54.213891	No_ID	
8	294.370241	54.272094	No_ID	
9	294.371656	54.282743	No_ID	
10	294.369015	54.237452	No_ID	
11	294.372908	54.280702	No_ID	
12	294.369826	54.210304	No_ID	
13	294.371993	54.239269	No_ID	
14	294.374676	54.218710	No_ID	
15	294.379093	54.278261	No_ID	
16	294.375261	54.207692	No_ID	
17	294.381495	54.296914	No_ID	
18	294.381644	54.274281	No_ID	
19	294.385303	54.281026	No_ID	
20	294.380561	54.197473	No_ID	
21	294.383021	54.219100	No_ID	
22	294.382953	54.186069	No_ID	
23	294.386780	54.245801	No_ID	
24	294.388693	54.232204	No_ID	
25	294.389443	54.240029	No_ID	
26	294.397520	54.263375	No_ID	
27	294.393124	54.186307	No_ID	
28	294.394334	54.184460	No_ID	
29	294.399297	54.249758	No_ID	
30	294.402828	54.292446	No_ID	
31	294.403590	54.287122	No_ID	

32	294.401508	54.248420	No_ID	
33	294.402048	54.231753	LSPM J1937+5413	HighPM*
34	294.404825	54.268628	No_ID	
35	294.401649	54.200913	No_ID	
36	294.405582	54.237895	LSPM J1937+5413	HighPM*
37	294.405082	54.210321	No_ID	
38	294.409586	54.283672	No_ID	
40	294.412005	54.285503	No_ID	
41	294.410063	54.241805	No_ID	
42	294.412042	54.245338	No_ID	
43	294.413112	54.264270	No_ID	
44	294.411065	54.211987	No_ID	
45	294.413438	54.228603	LSPM J1937+5413	HighPM*
46	294.412746	54.210744	No_ID	
47	294.415297	54.220729	LSPM J1937+5413	HighPM*
48	294.419923	54.237310	No_ID	
49	294.418289	54.196250	No_ID	
50	294.421466	54.210537	No_ID	
51	294.425307	54.254942	No_ID	
52	294.436234	54.288429	No_ID	
53	294.432571	54.219111	No_ID	
54	294.436020	54.270695	No_ID	
55	294.442383	54.268608	No_ID	
56	294.441655	54.233542	No_ID	
57	294.441582	54.218872	No_ID	
58	294.446702	54.276438	No_ID	
59	294.447608	54.291709	No_ID	
60	294.444866	54.229034	No_ID	
61	294.446420	54.233990	1H 1936+541	Star
62	294.448999	54.252194	No_ID	
63	294.445607	54.185294	No_ID	
64	294.447813	54.197465	No_ID	
65	294.453730	54.220373	No_ID	
66	294.458817	54.266409	No_ID	
67	294.455766	54.214988	No_ID	

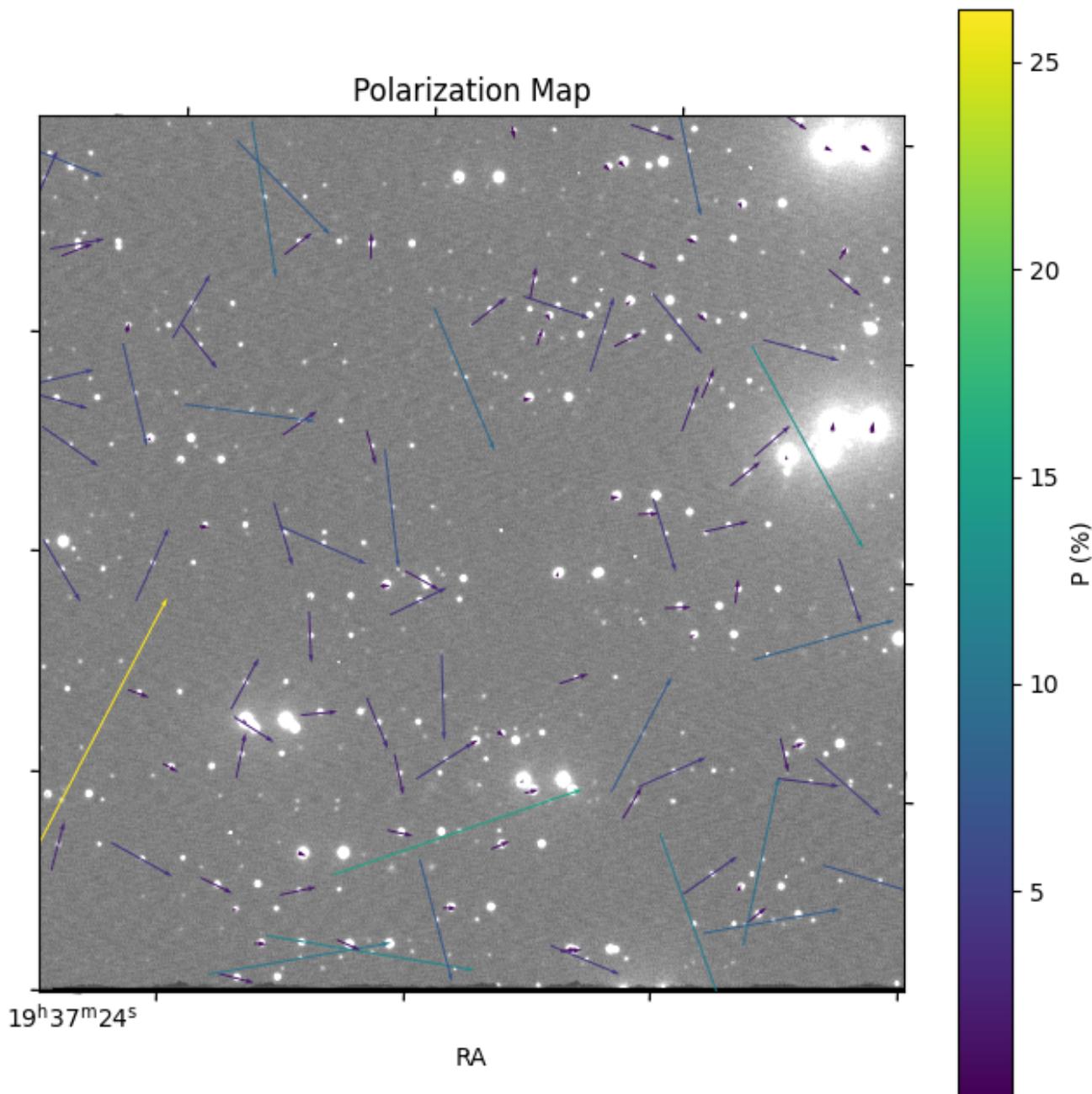
68	294.456817	54.204313	No_ID	
69	294.461304	54.274759	No_ID	
70	294.463523	54.264130	No_ID	
71	294.462544	54.229476	1H 1936+541	Star
72	294.467007	54.259558	No_ID	
73	294.473535	54.277029	TYC 3934-86-1	Star
74	294.471487	54.200723	No_ID	
75	294.477599	54.282463	TYC 3934-86-1	Star
76	294.476266	54.226413	No_ID	
77	294.474017	54.185850	No_ID	
78	294.480076	54.285280	TYC 3934-86-1	Star
79	294.481272	54.280496	TYC 3934-86-1	Star
80	294.476145	54.196539	No_ID	
82	294.484981	54.288571	TYC 3934-10-1	Star
83	294.484984	54.293926	TYC 3934-10-1	Star
84	294.485294	54.293923	TYC 3934-10-1	Star
85	294.481337	54.216682	No_ID	
86	294.483207	54.209948	No_ID	
87	294.488088	54.269245	No_ID	
88	294.484538	54.183689	No_ID	
89	294.488650	54.247272	ZTF J193800.80+541455.5	EclBin
90	294.486250	54.194295	No_ID	
91	294.493929	54.271499	No_ID	
92	294.488866	54.182644	No_ID	
93	294.492666	54.238655	No_ID	
94	294.502271	54.283896	No_ID	
95	294.497834	54.202761	No_ID	
96	294.503130	54.260426	ZTF J193802.85+541538.0	BYDraV*
97	294.503027	54.248565	ZTF J193800.80+541455.5	EclBin
98	294.504196	54.256970	ZTF J193802.85+541538.0	BYDraV*
99	294.501667	54.192977	No_ID	
100	294.507245	54.267050	ZTF J193802.85+541538.0	BYDraV*
101	294.508797	54.270373	ZTF J193802.85+541538.0	BYDraV*
102	294.507492	54.249645	ZTF J193800.80+541455.5	EclBin
103	294.508377	54.241588	ZTF J193800.80+541455.5	EclBin

104	294.509935	54.250694	ZTF J193800.80+541455.5	EclBin
105	294.507096	54.201481	No_ID	
106	294.511578	54.260388	ZTF J193802.85+541538.0	BYDraV*
107	294.515354	54.247391	ZTF J193800.80+541455.5	EclBin
108	294.518024	54.289434	No_ID	
109	294.521226	54.261623	ZTF J193802.85+541538.0	BYDraV*
110	294.524877	54.289100	No_ID	
111	294.518900	54.185811	NVSS J193805+541052	Radio
112	294.522340	54.225366	No_ID	
113	294.520232	54.185756	NVSS J193805+541052	Radio
114	294.522210	54.215538	No_ID	
115	294.526238	54.268597	No_ID	
117	294.534673	54.274983	No_ID	
118	294.532038	54.210680	No_ID	
119	294.534835	54.213285	No_ID	
120	294.534422	54.181002	NVSS J193805+541052	Radio
121	294.538223	54.236705	1RXS J193806.2+541407	X
122	294.542092	54.256845	No_ID	
123	294.543143	54.258792	No_ID	
124	294.540142	54.181526	NVSS J193805+541052	Radio
126	294.546191	54.267572	No_ID	
127	294.548949	54.291563	TYC 3934-540-1	Star
128	294.548416	54.286580	TYC 3934-540-1	Star
129	294.548818	54.291638	TYC 3934-540-1	Star
130	294.549440	54.243949	No_ID	
131	294.550807	54.262793	No_ID	
132	294.554066	54.282212	TYC 3934-540-1	Star

6. Polarimetría — Estimación Interestelar (ISM)

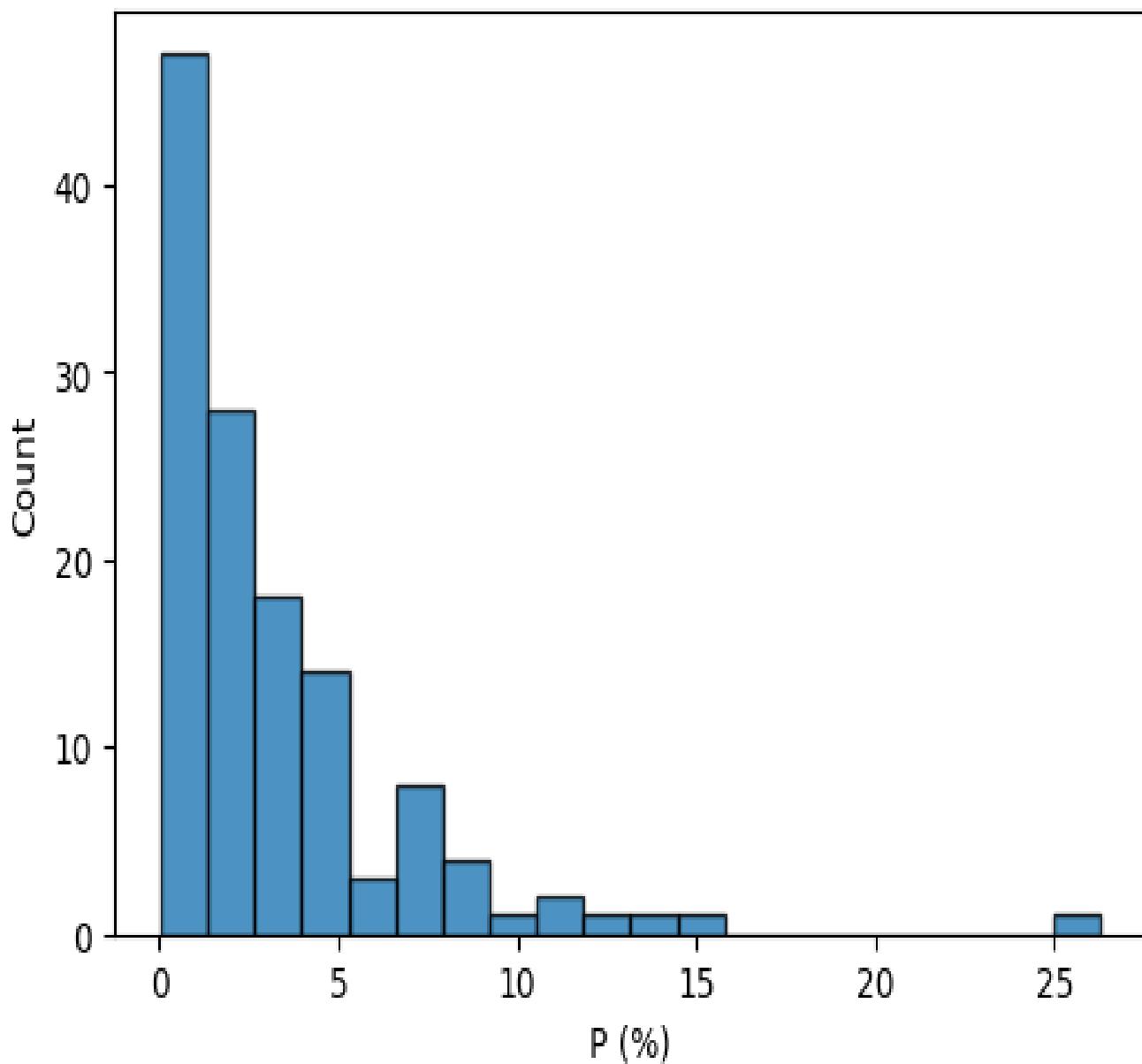
Comp.	Q mean	Q σ	Q weight	U mean	U σ	U weight	Dominante Q	Dominante U
0	-0.200	0.284	0.45	0.160	0.287	0.65		✓
1	0.503	0.314	0.55	-0.380	0.381	0.35	✓	

6. Polarimetría — Mapa de polarización

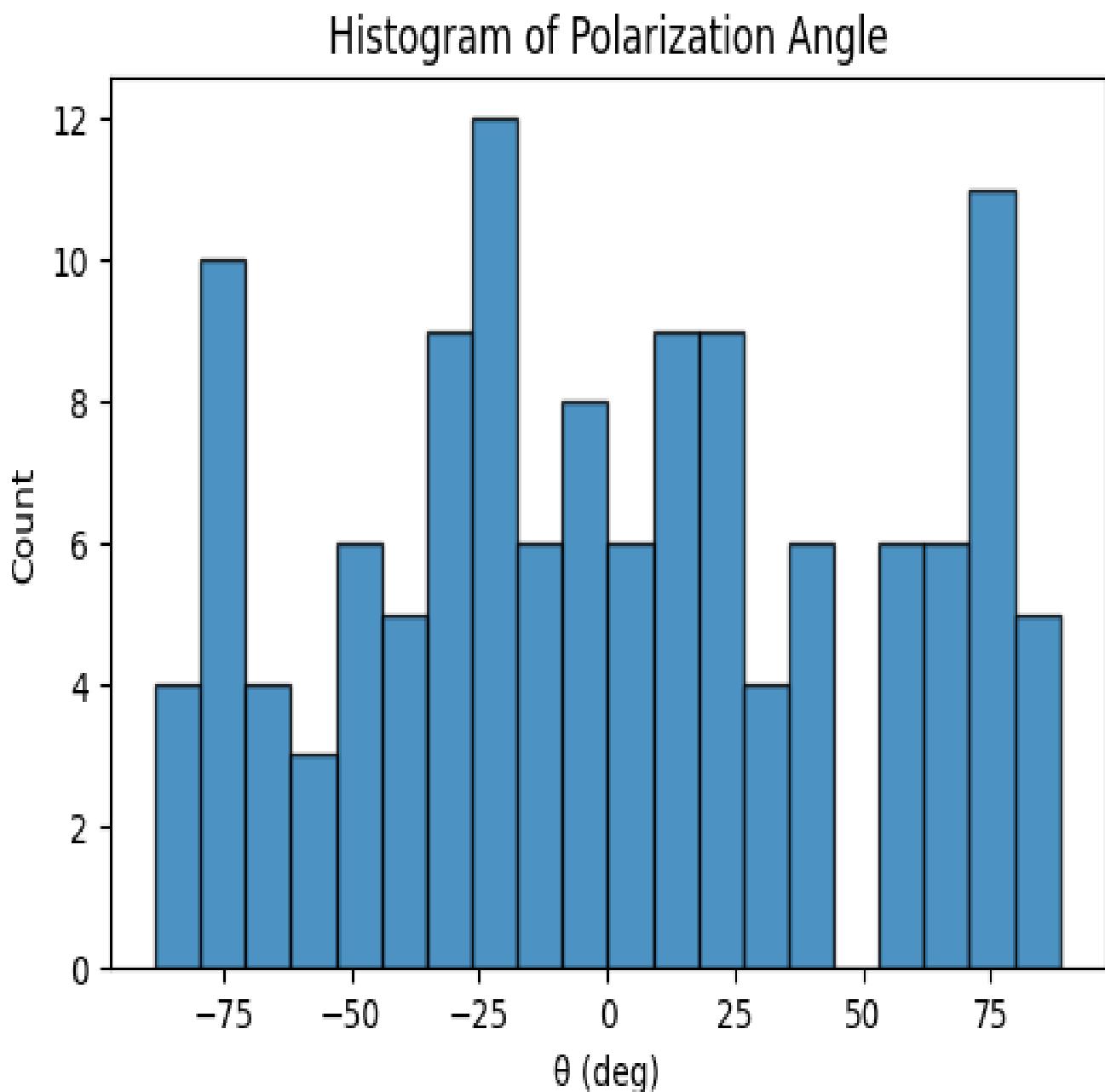


6. Polarimetría — Histograma de P

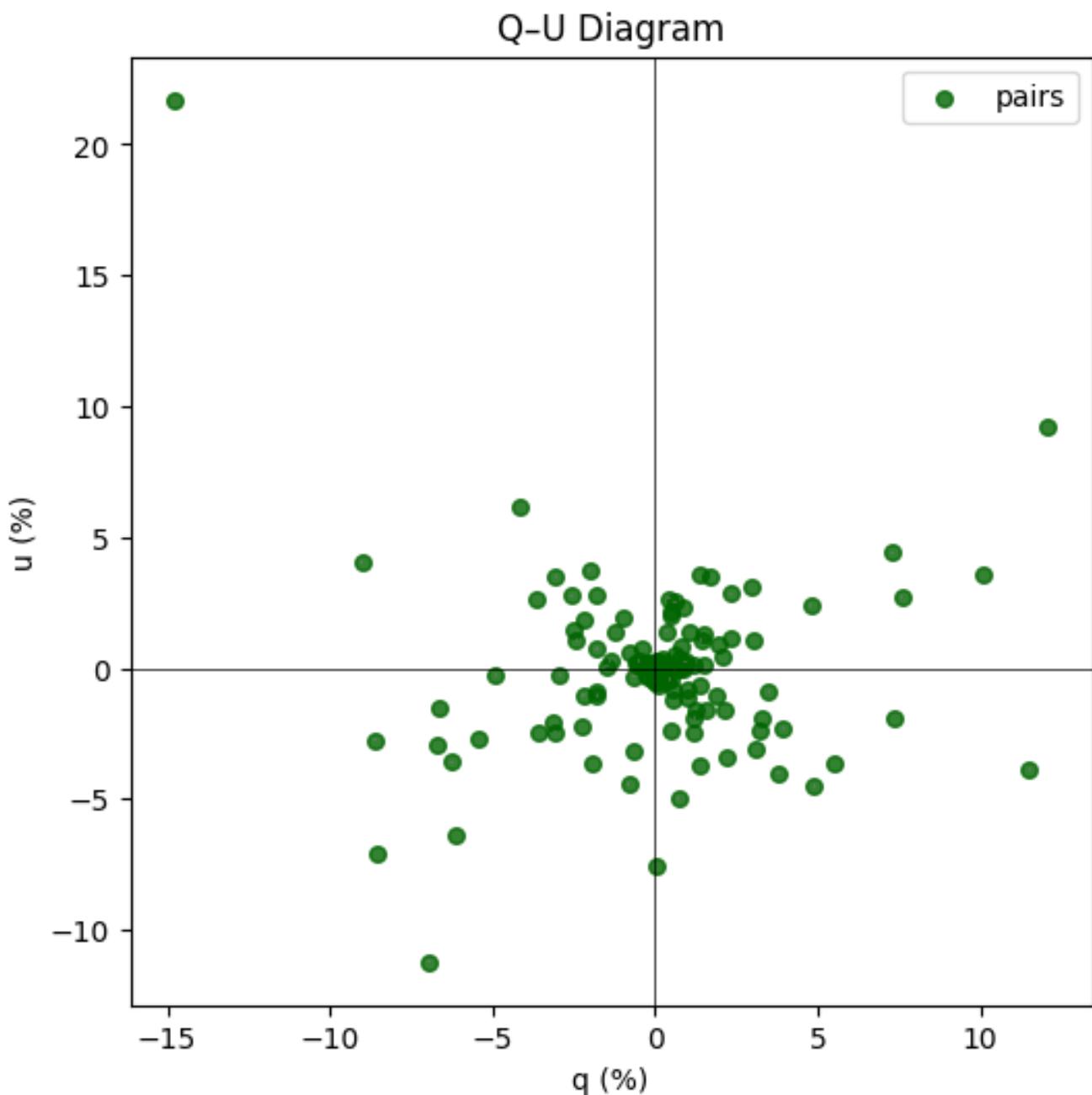
Histogram of Polarization Degree



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	Dom Q	Dom U
0	-0.200	0.284	0.45	0.160	0.287	0.65		✓
1	0.503	0.314	0.55	-0.380	0.381	0.35	✓	

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.

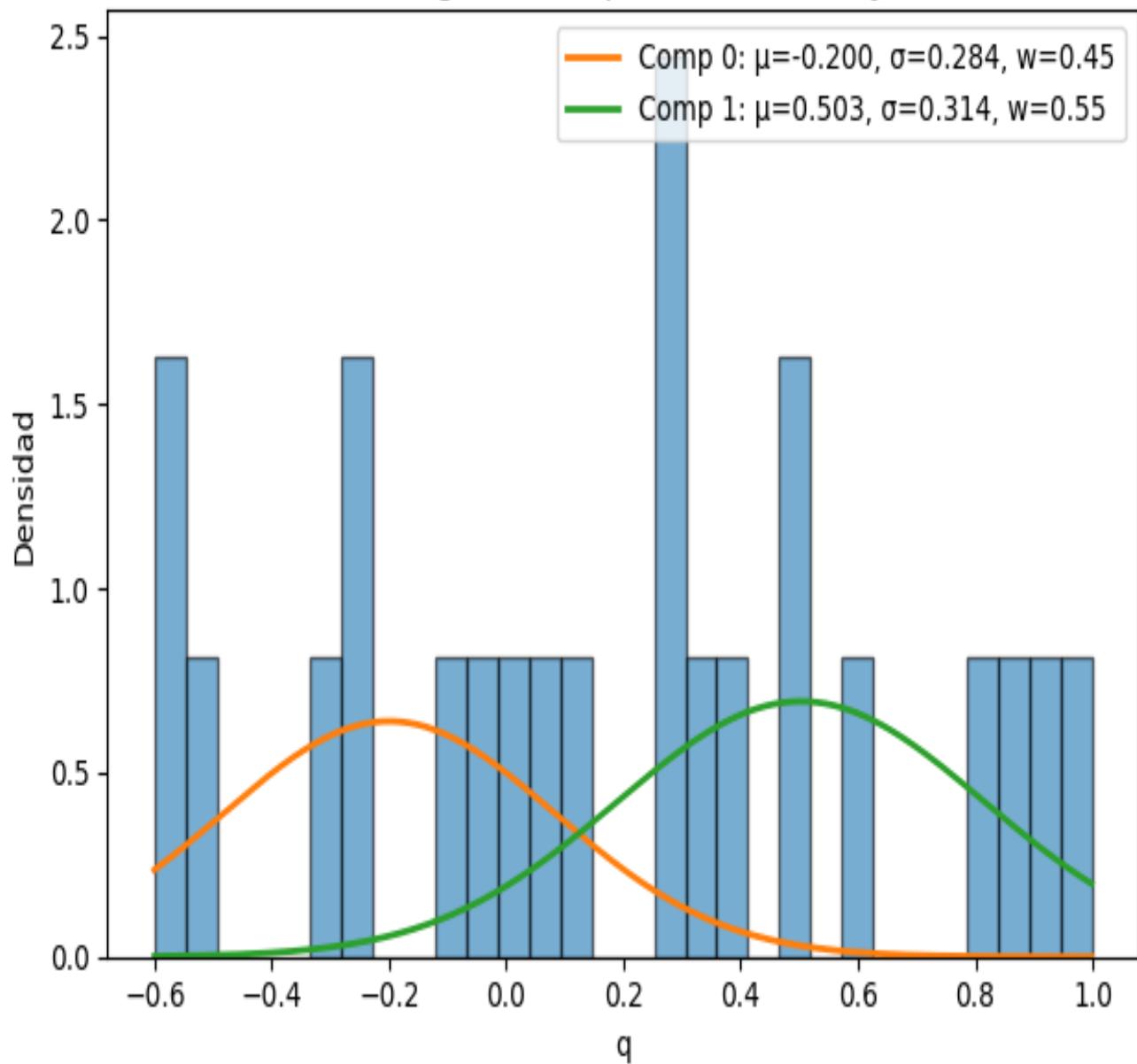
U Means: medias de la componente u estimada para la polarización interestelar.

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 — Estimación ISM Q

Histograma de q con GMM overlay



6. Polarimetría — Estimacion ISM U

