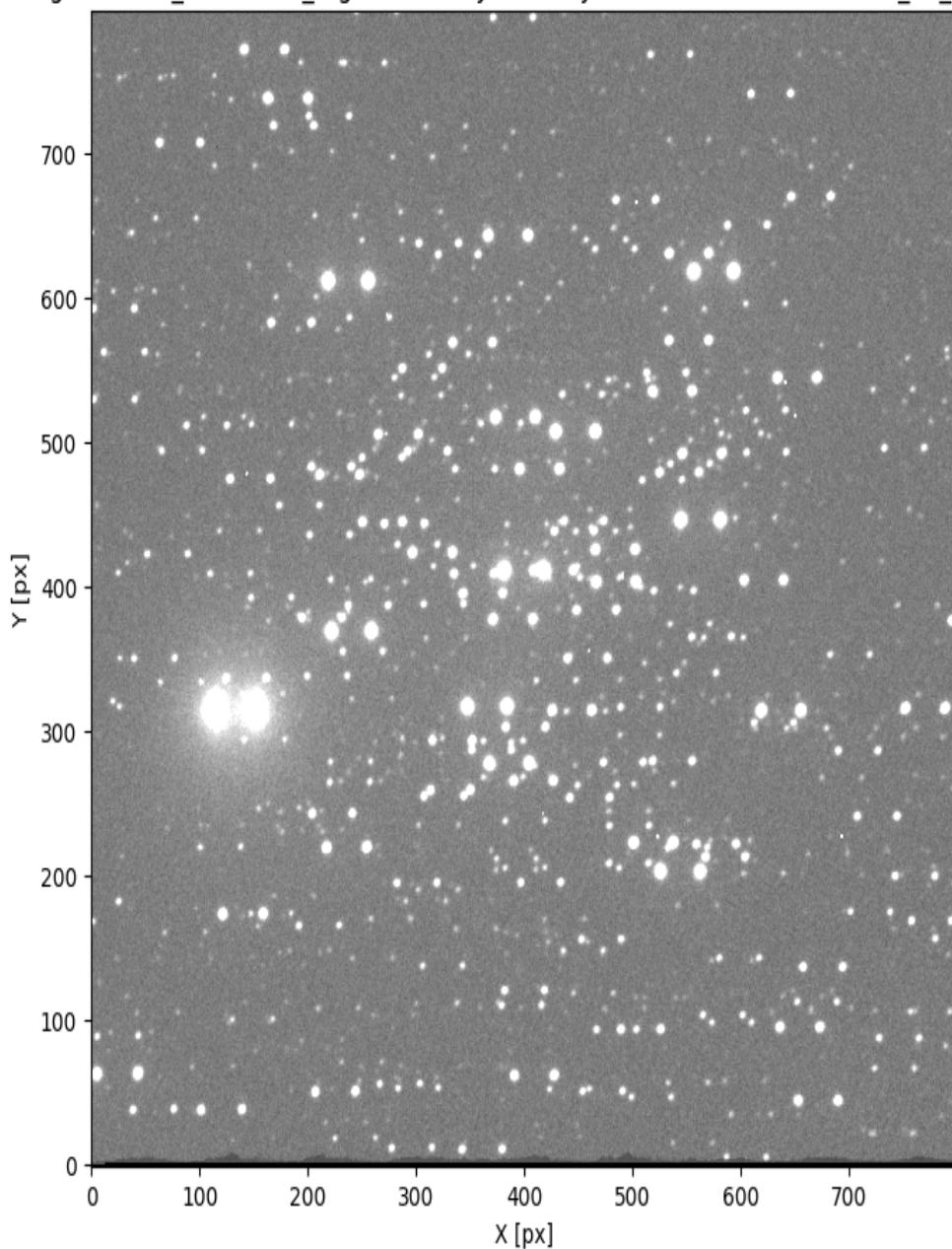
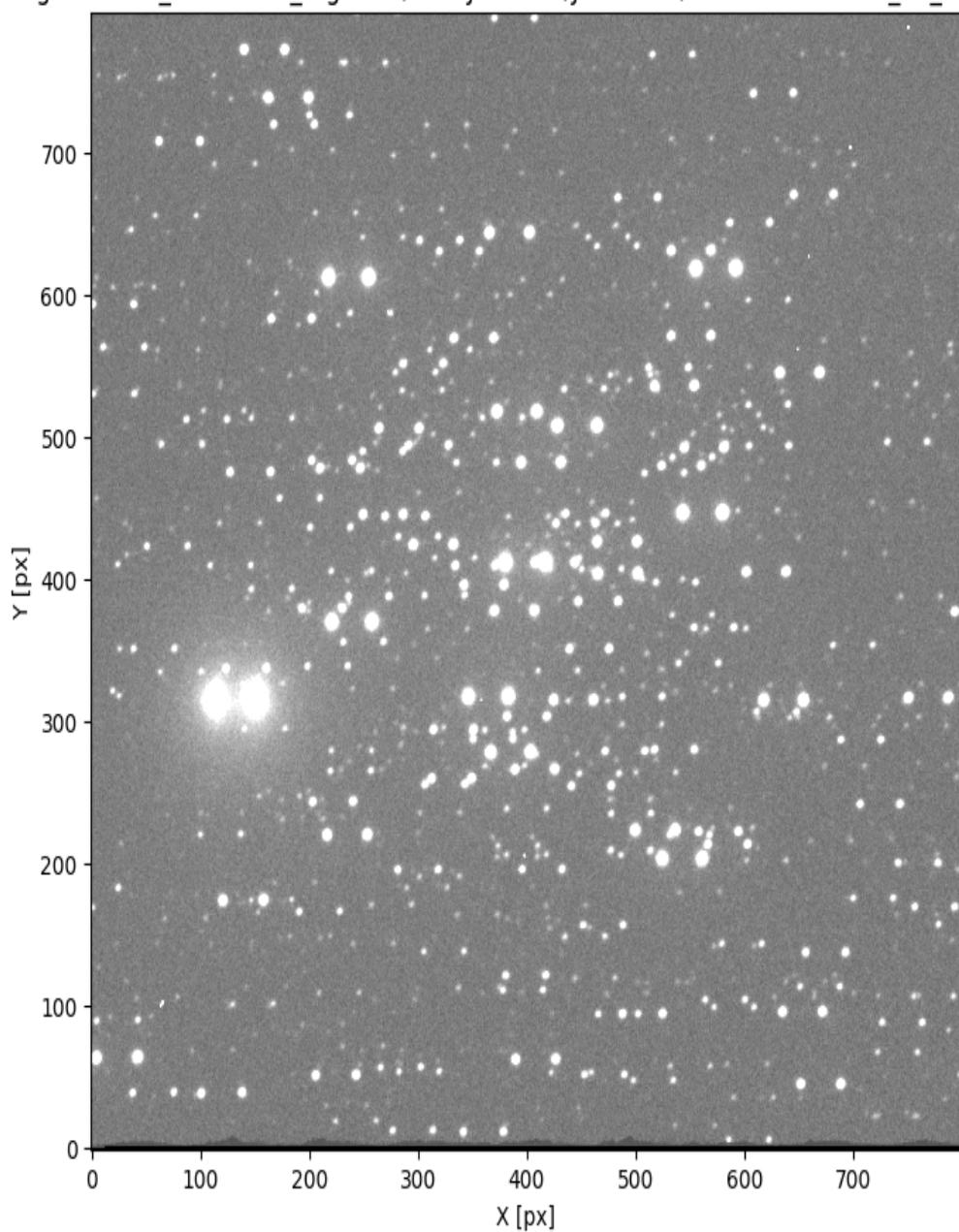


# 1. Imágenes originales

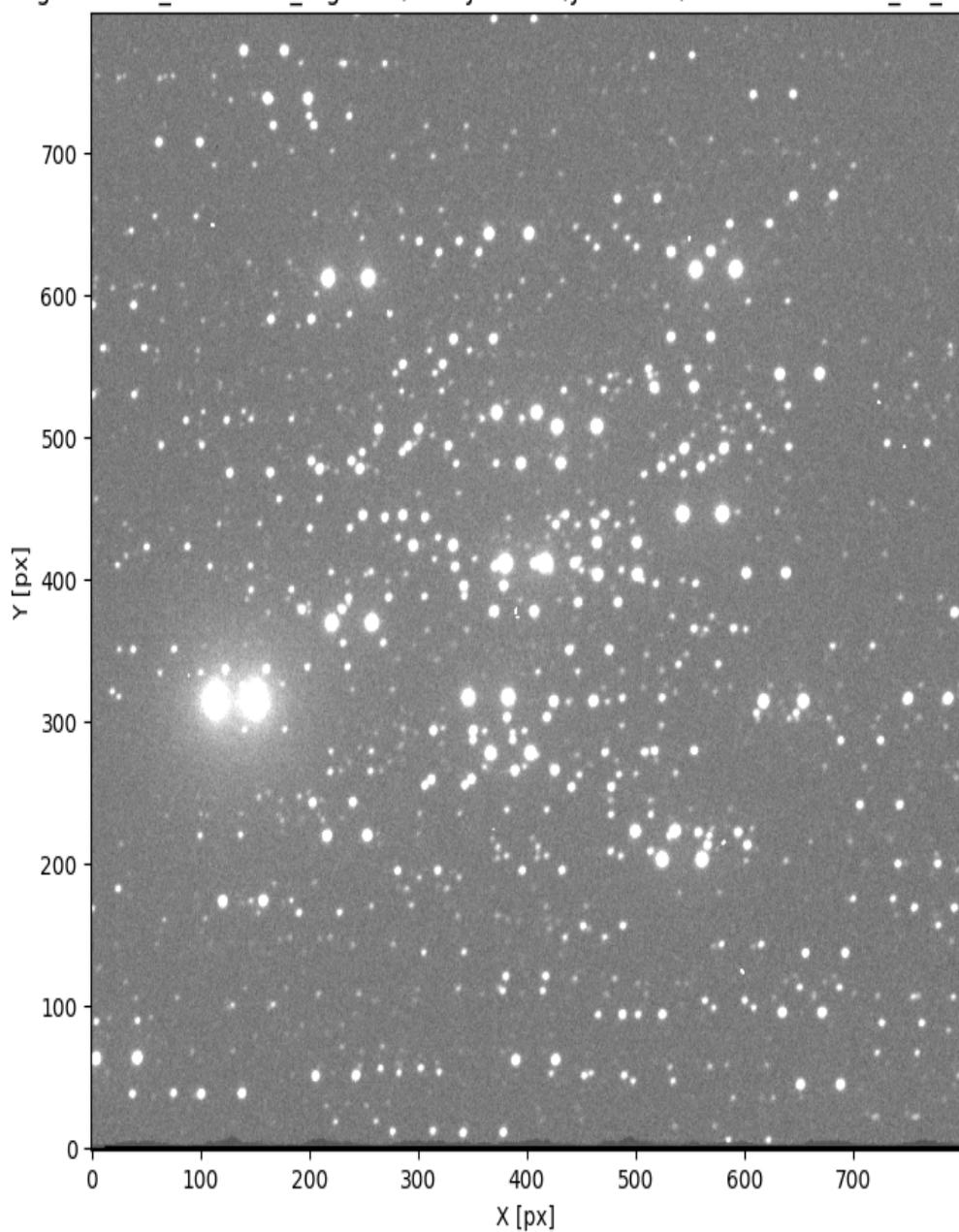
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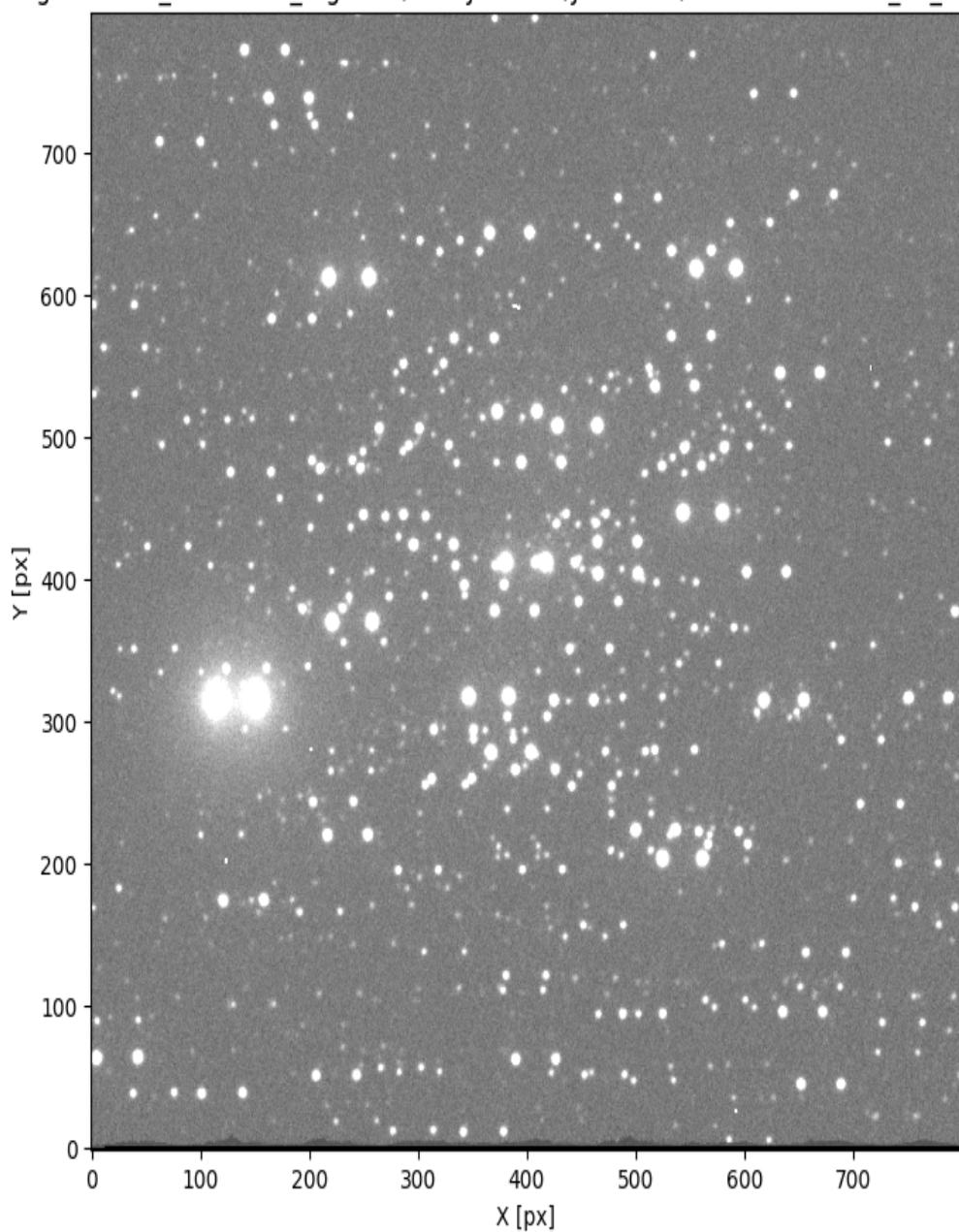
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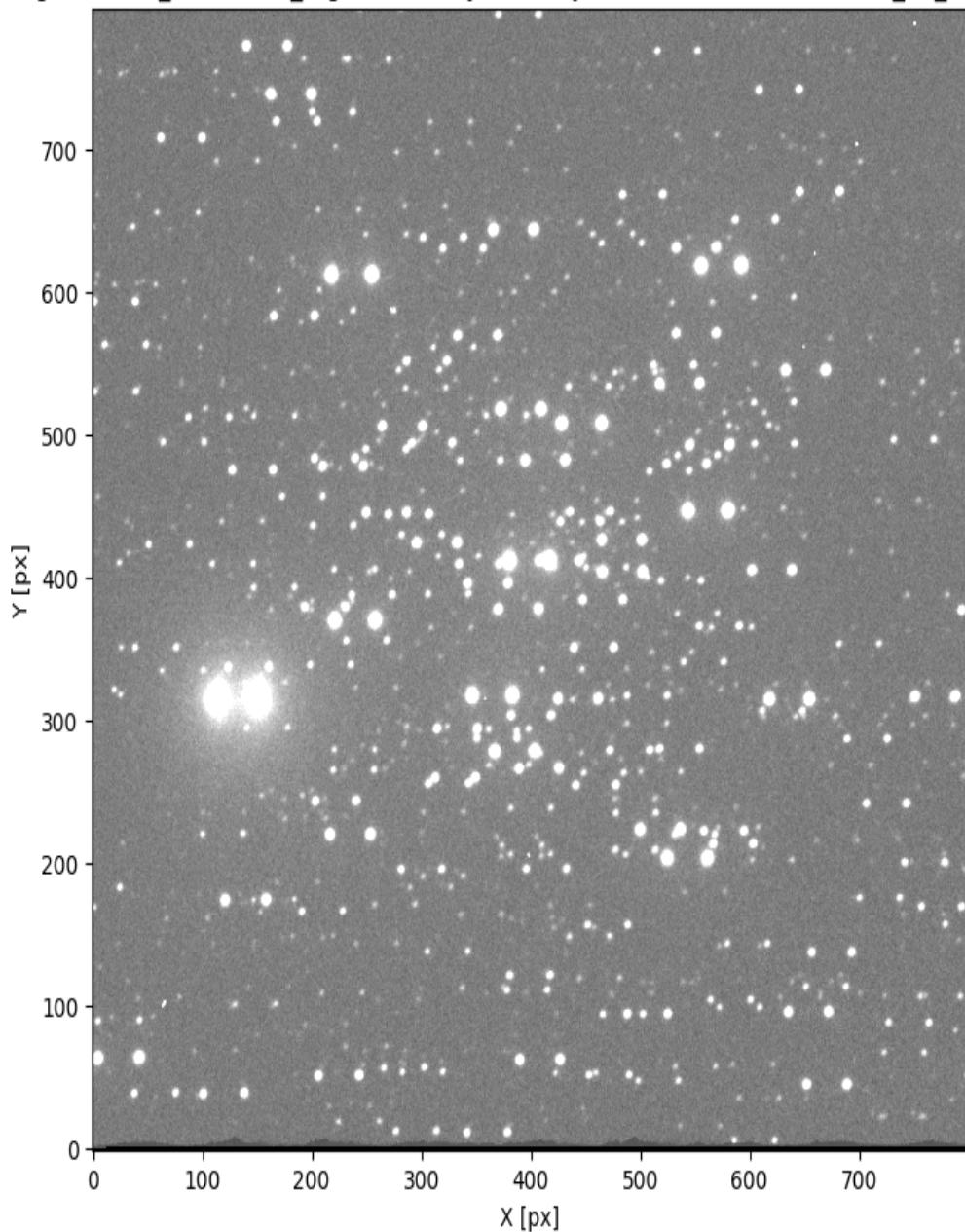


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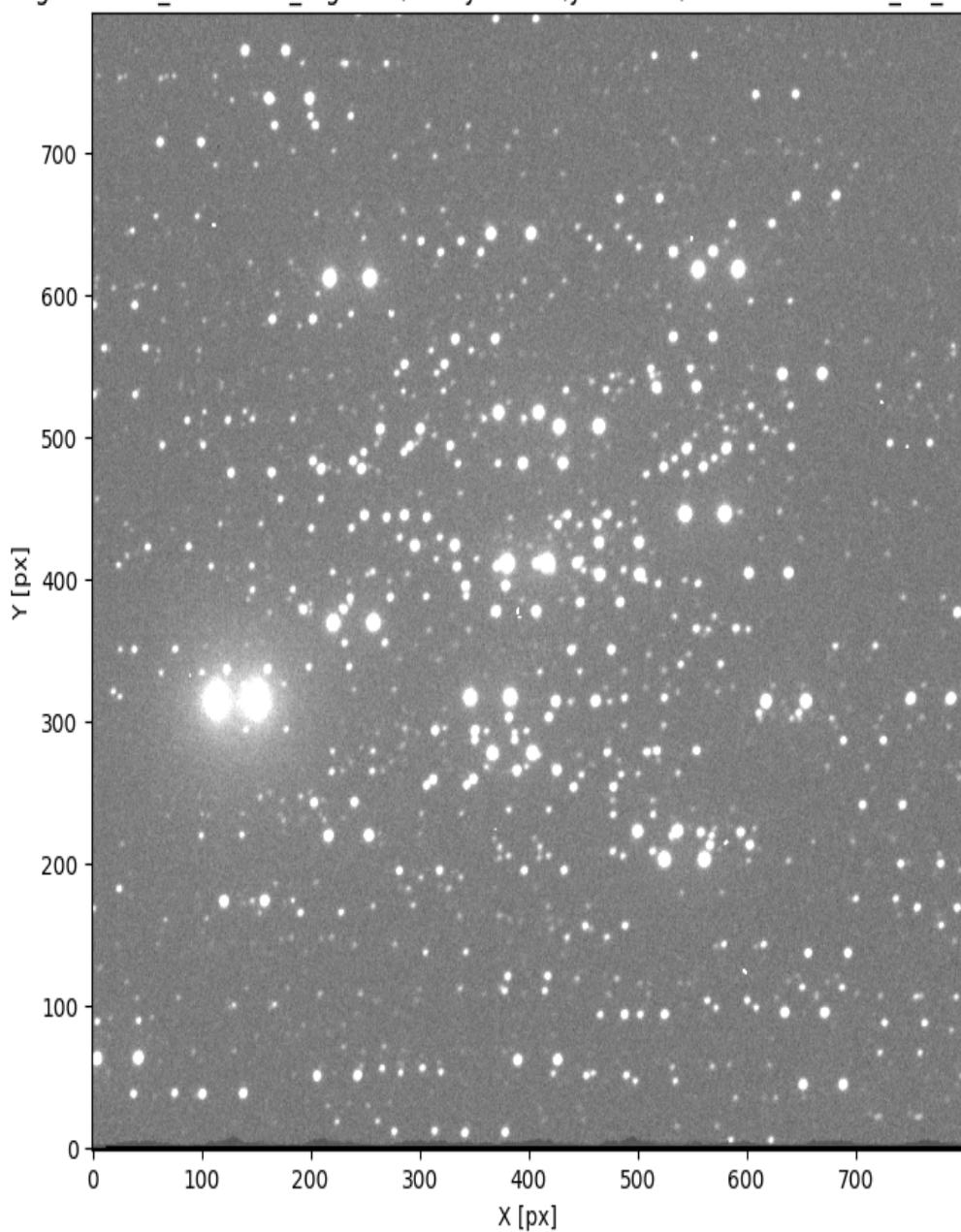


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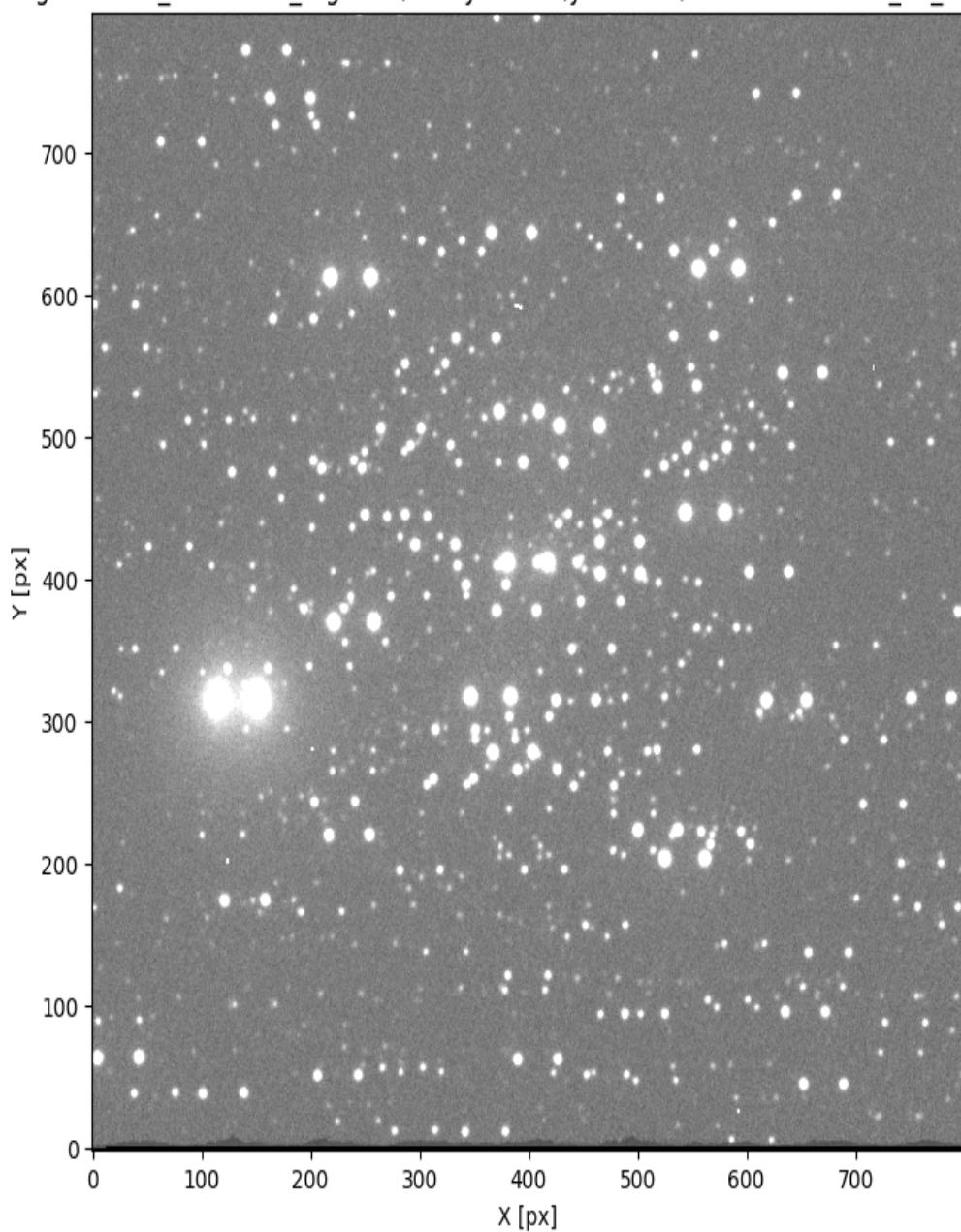
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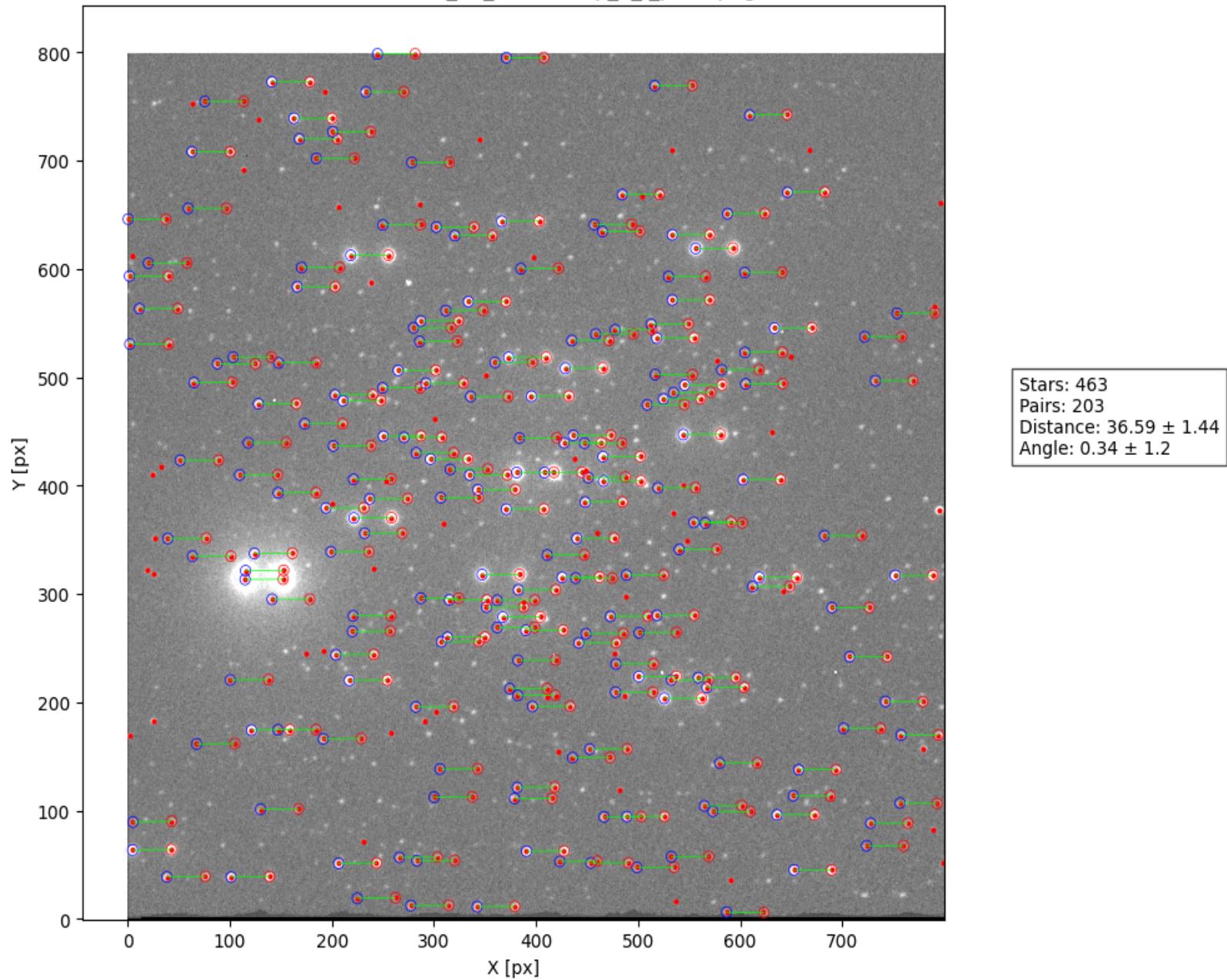


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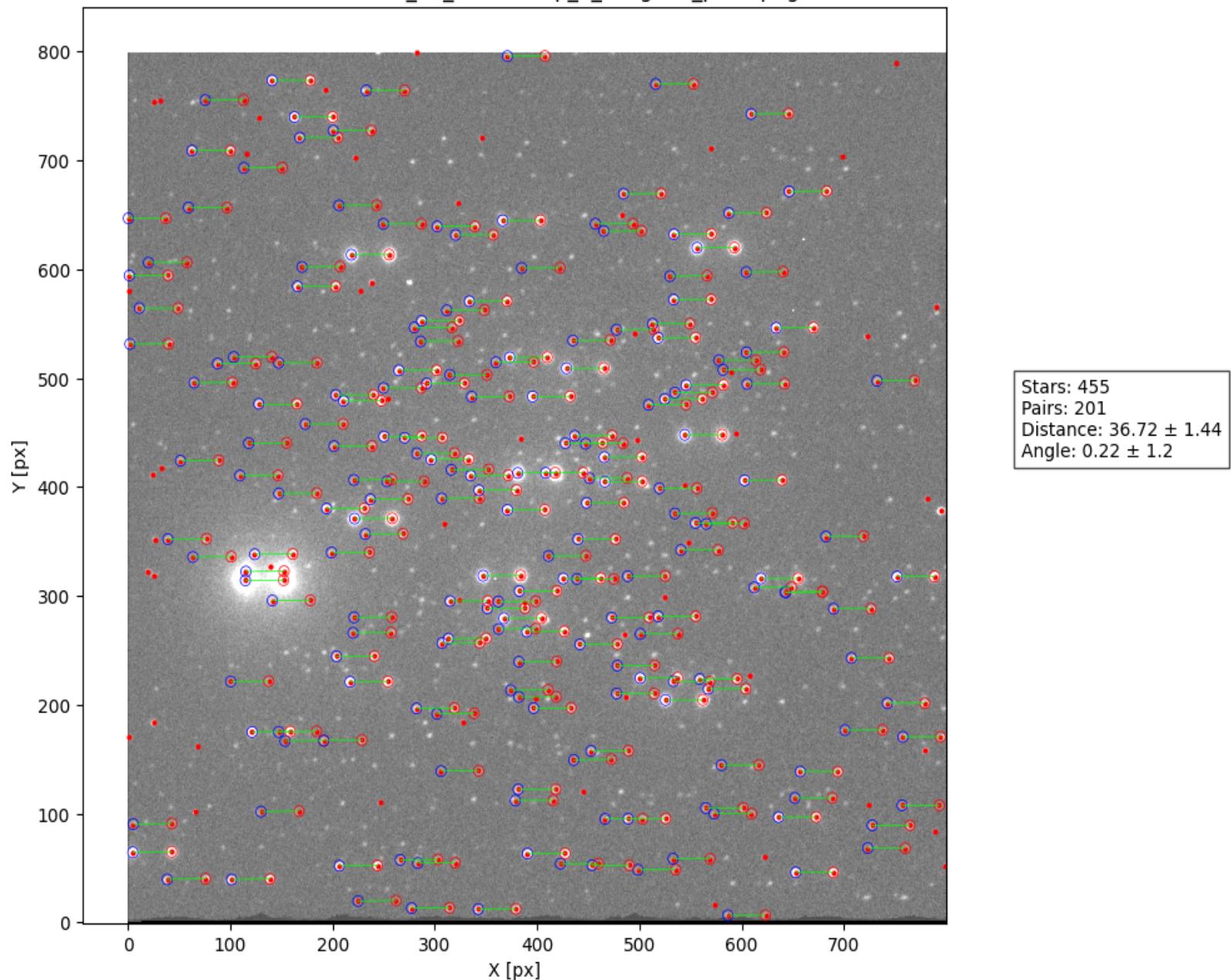


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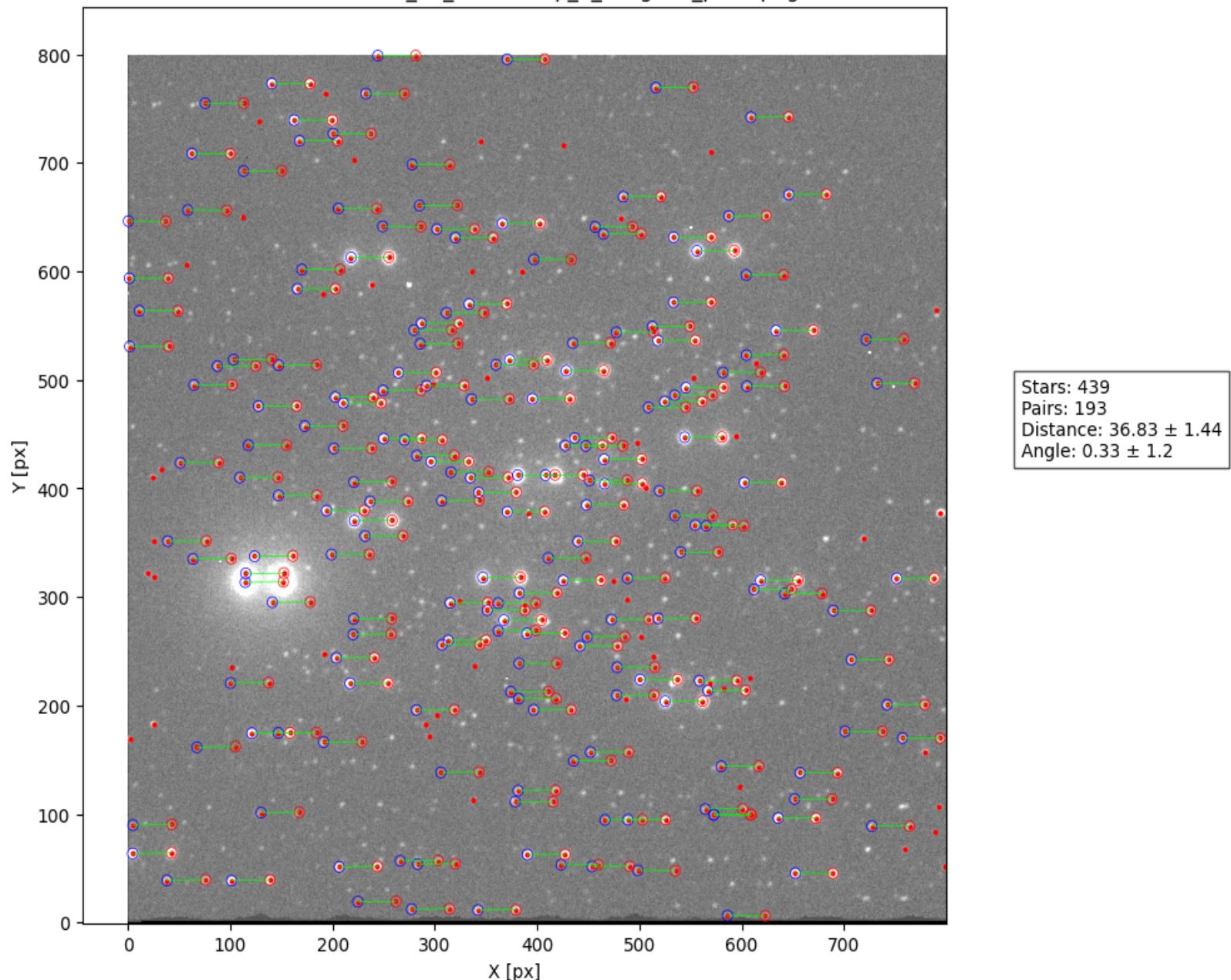
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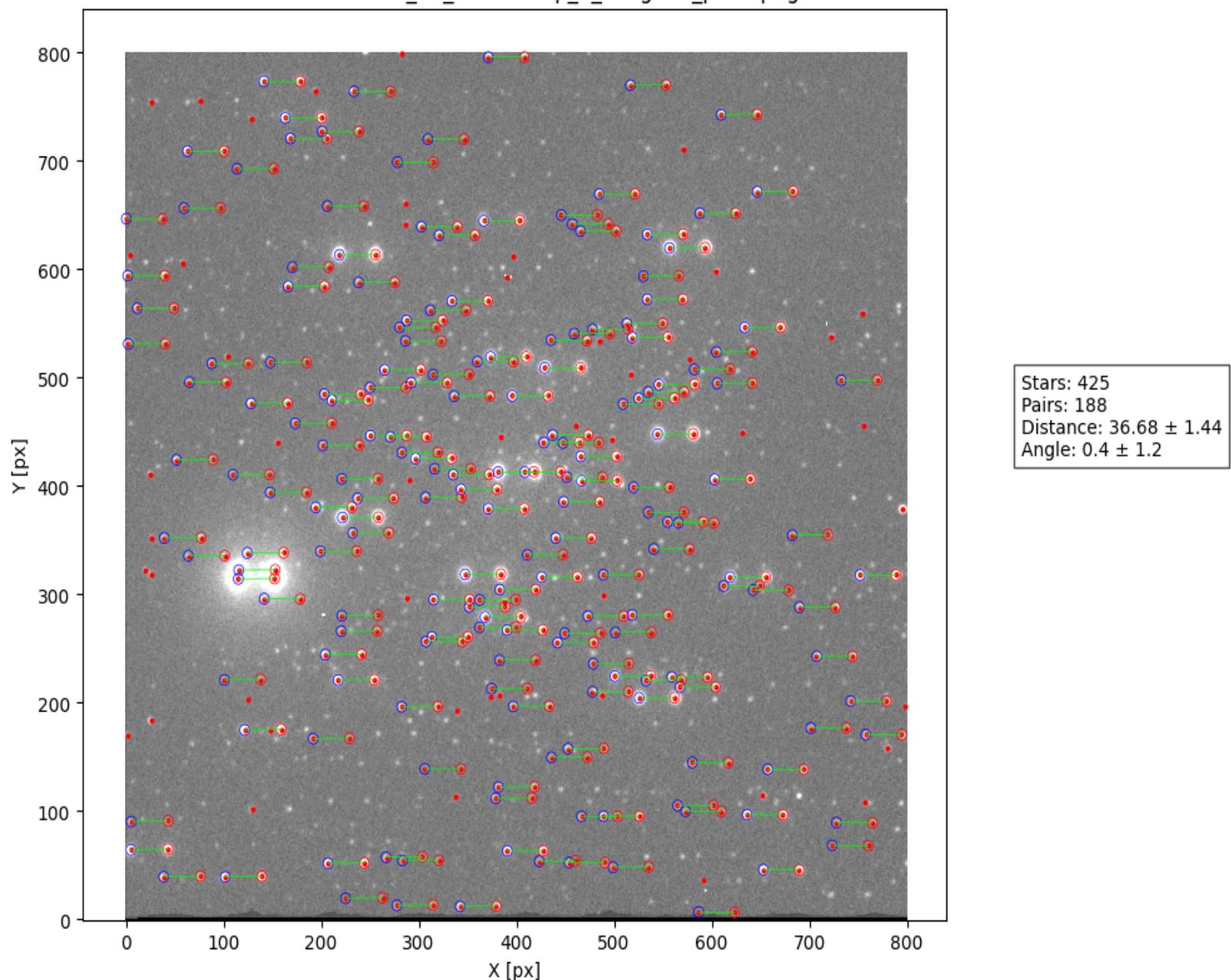
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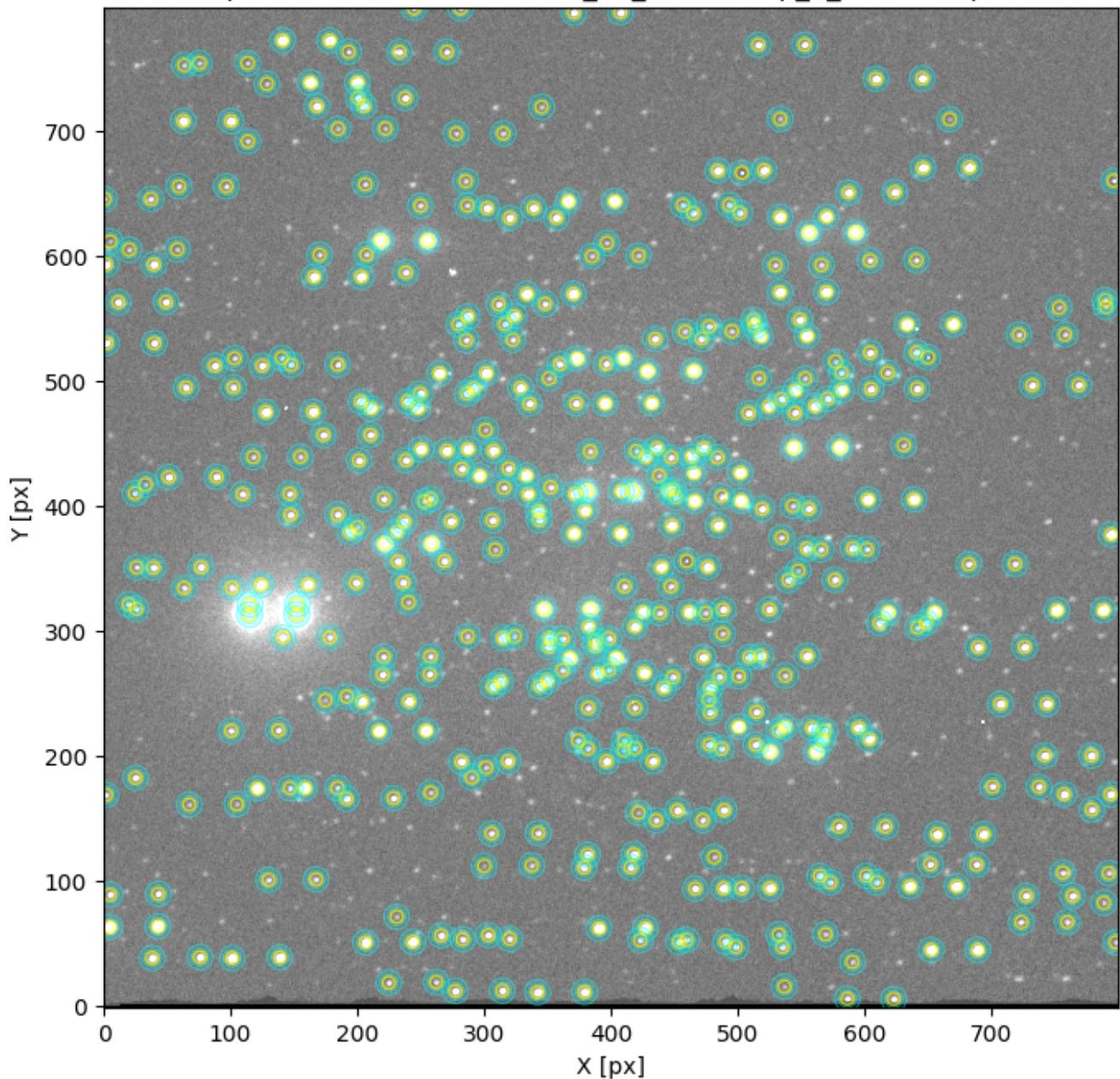


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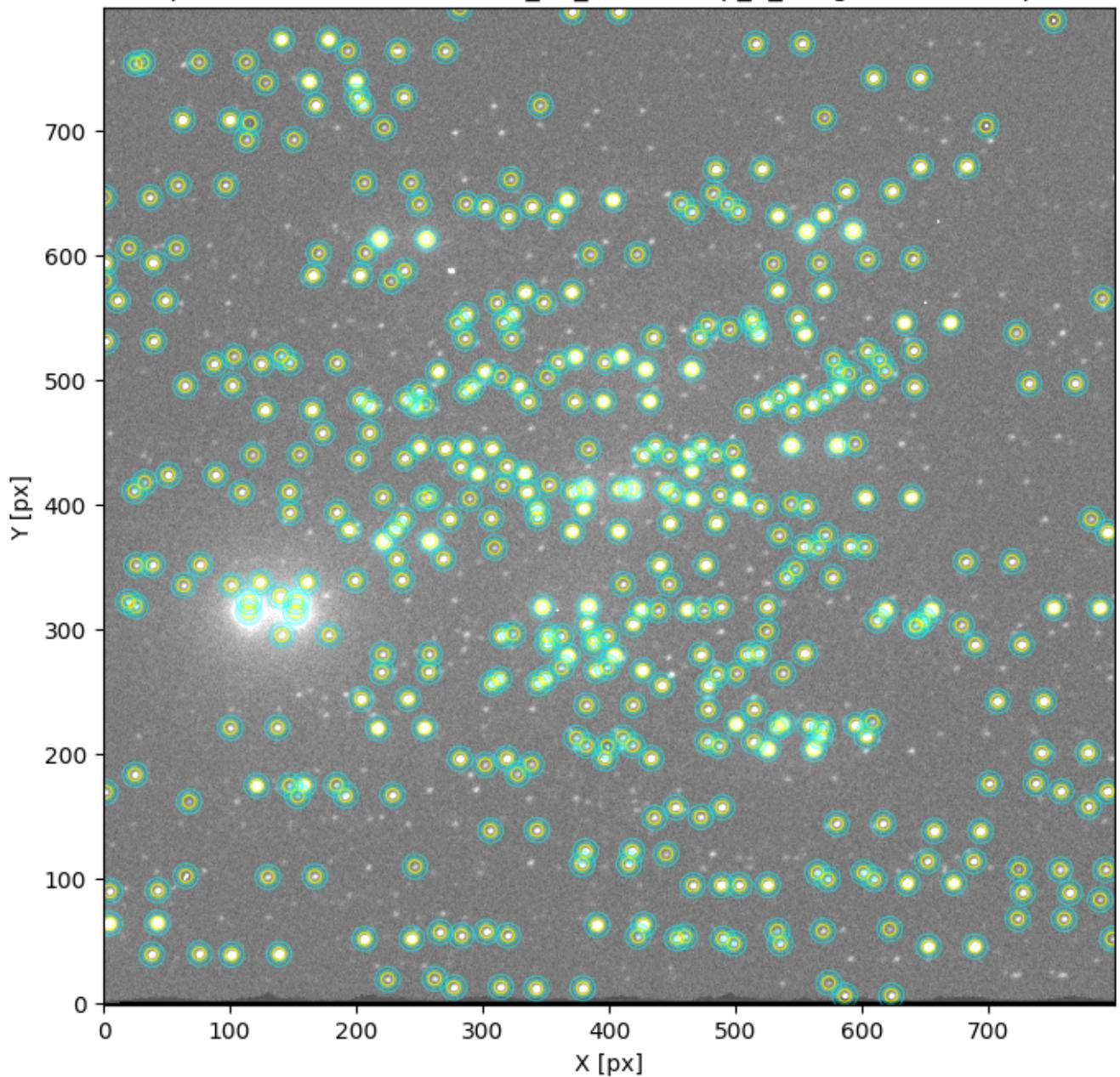


## 4. Fotometría — Aperturas

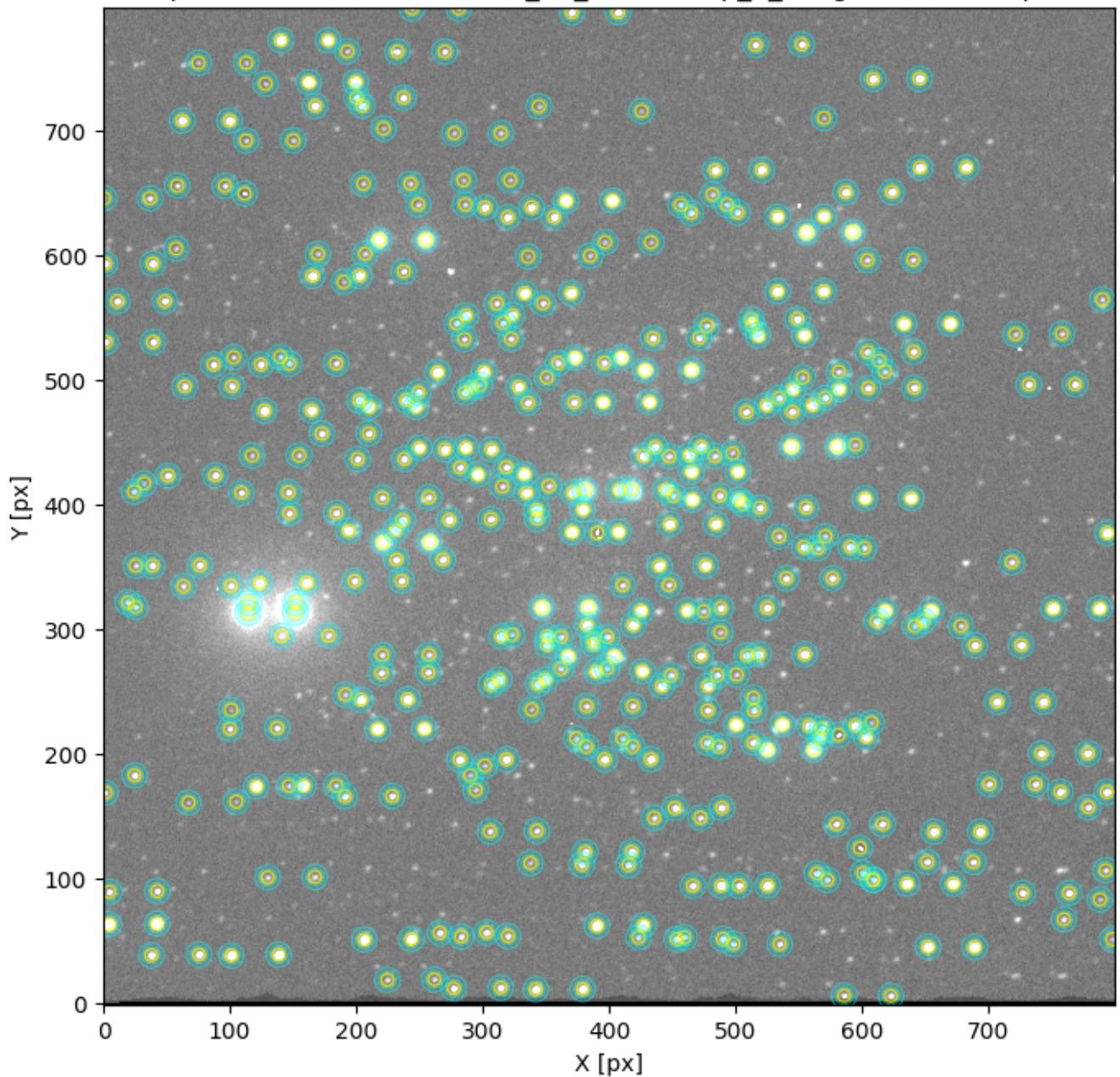
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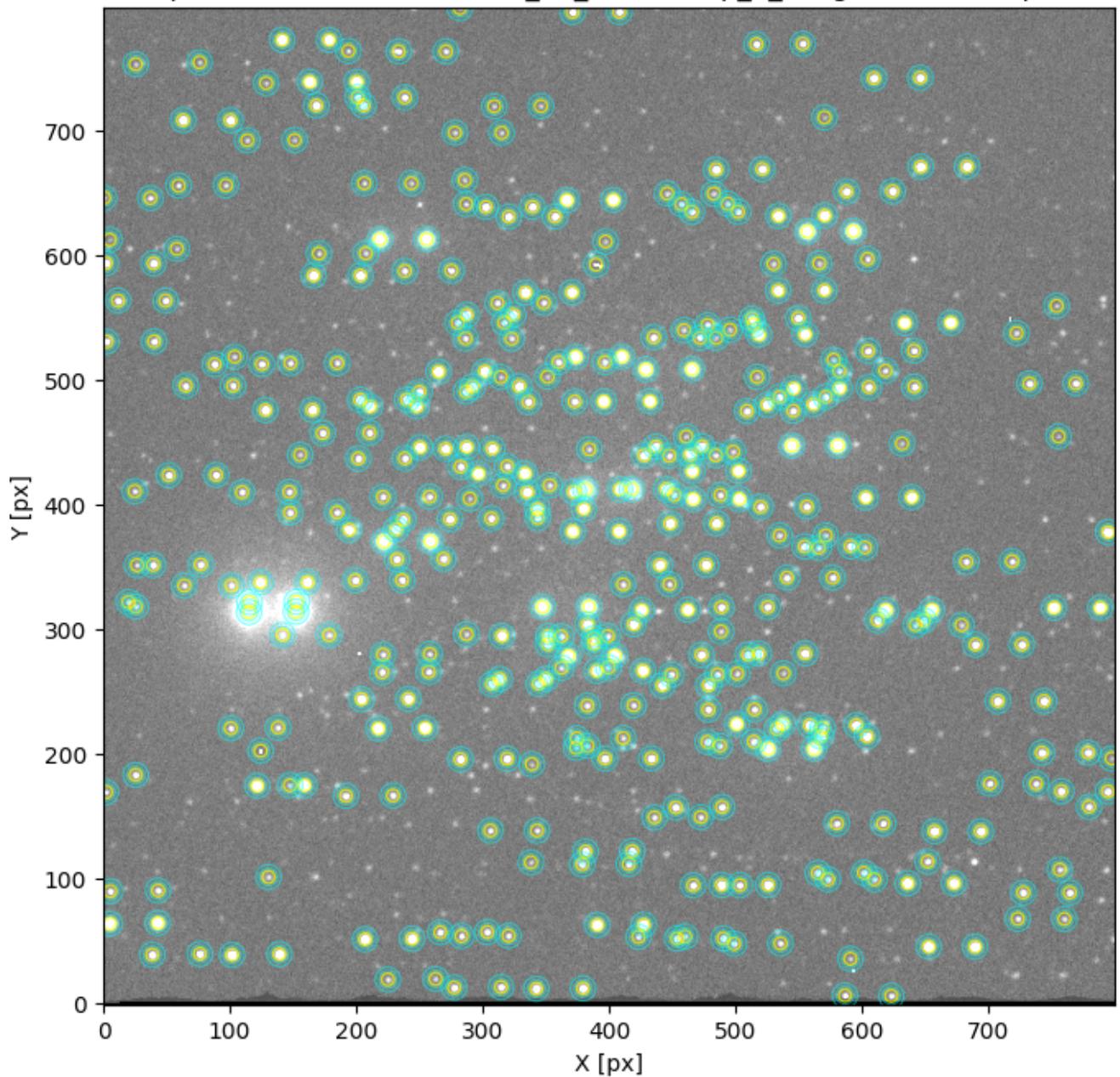
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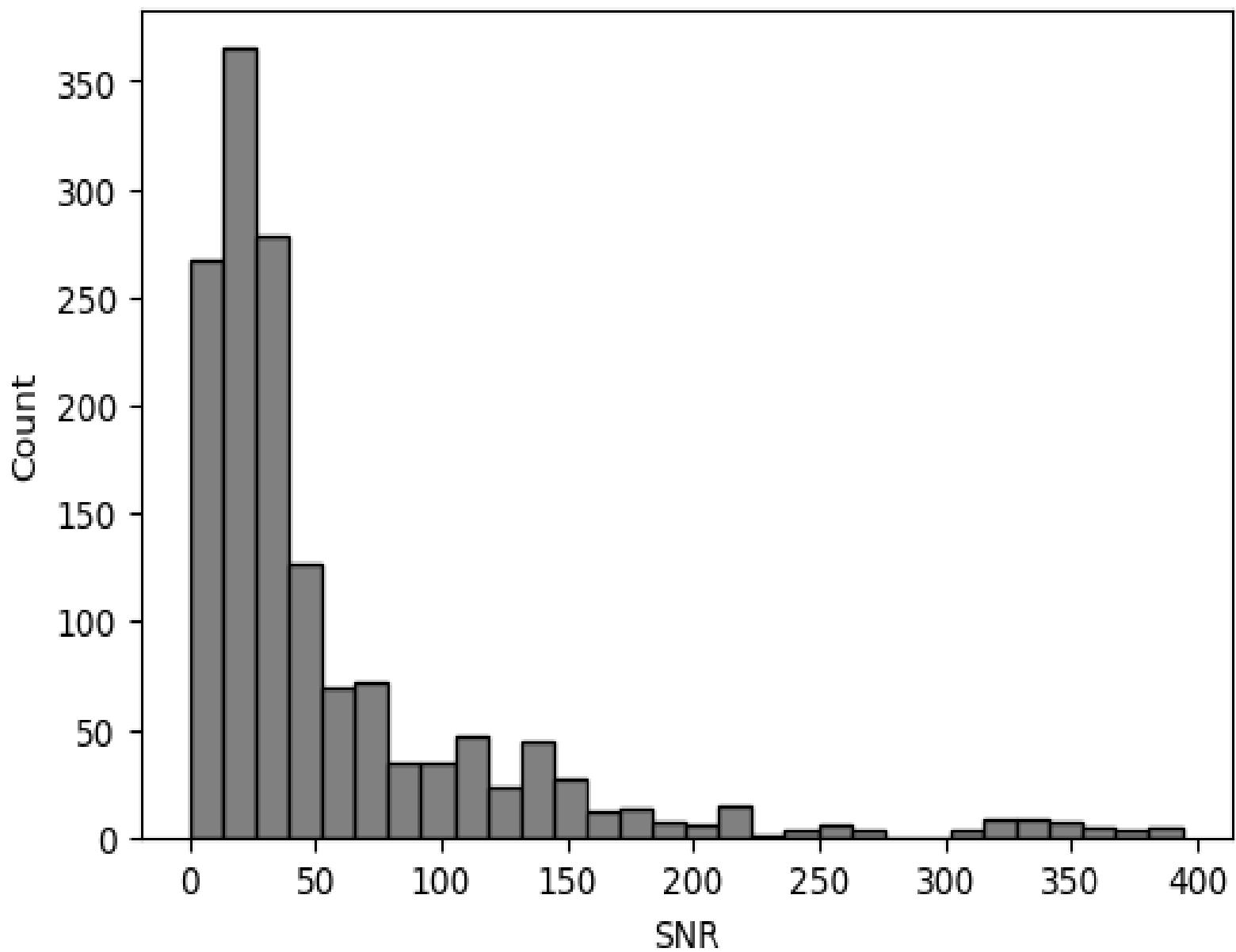


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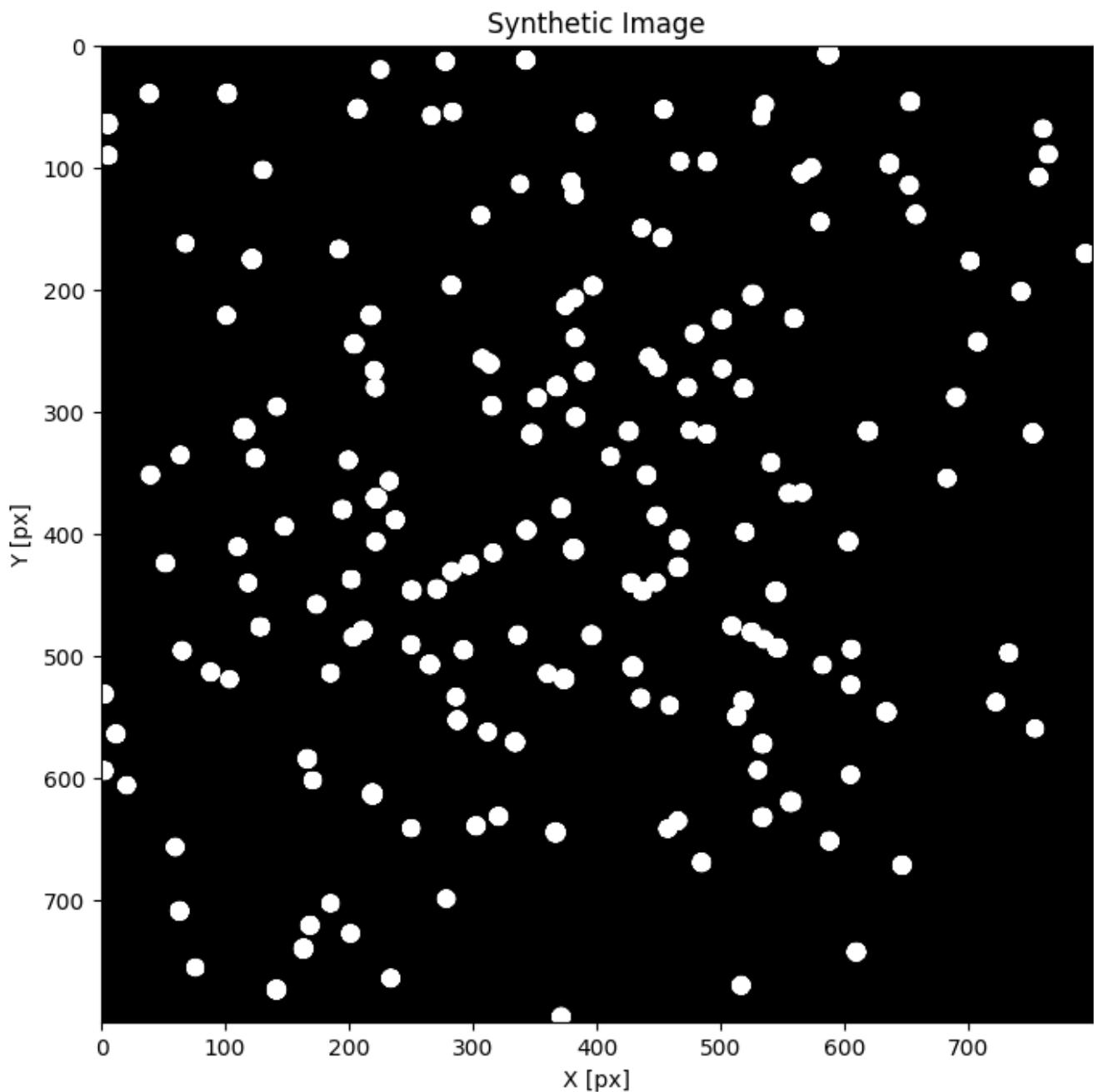


## 4. Fotometría — Histograma de SNR

Distribution of Photometry SNR



## 5. Astrometría — Imagen sintética



## 5. Astrometría — Resultados SIMBAD

Par	RA (°)	DEC (°)	Simbad ID	Object Type
0	278.308682	-10.370363	GES J18331412-1022129	Star
1	278.308138	-10.406030	NGC 6649 73	Star
2	278.307950	-10.415491	NGC 6649 565	Star
3	278.308667	-10.423174	Gaia DR3 4155018024350559744	Star
4	278.310941	-10.441266	Gaia DR3 4155017715112890624	Star
5	278.310630	-10.450431	UCAC4 398-084084	Star
6	278.314818	-10.360930	UCAC4 399-080906	Star
7	278.314539	-10.378081	NGC 6649 583	Star
8	278.313347	-10.426027	NGC 6649 71	Star
9	278.314702	-10.390008	Cl* NGC 6649 WL 819	Star
11	278.314107	-10.414875	NGC 6649 566	Star
12	278.314461	-10.417376	NGC 6649 72	Star
13	278.315981	-10.378544	NGC 6649 583	Star
14	278.314130	-10.455439	UCAC4 398-084084	Star
15	278.315977	-10.399275	NGC 6649 74	Star
16	278.318710	-10.345359	GES J18331714-1020283	Star
17	278.321829	-10.344850	Gaia DR2 4155024999377510272	Star
18	278.317961	-10.455541	Gaia DR3 4155017646382149504	Star
19	278.321075	-10.388374	NGC 6649 75	Star
20	278.321234	-10.385115	NGC 6649 76	Star
21	278.322261	-10.363647	UCAC4 399-080906	Star
22	278.322397	-10.372844	Gaia DR3 4155024793219056000	Star
23	278.320345	-10.437437	Gaia DR3 4155017813884683008	Star
24	278.323102	-10.374073	GES J18331758-1022261	Star
25	278.324538	-10.346074	Gaia DR2 4155024999377510272	Star
26	278.323109	-10.401257	Gaia DR3 4155023934225568256	Star
27	278.323141	-10.407275	NGC 6649 406	Star
28	278.324959	-10.361398	GES J18331789-1021335	Star
29	278.324648	-10.400926	NGC 6649 47	Star
30	278.326772	-10.412046	NGC 6649 403	Star
31	278.328550	-10.360762	GES J18331889-1021381	Star
32	278.329042	-10.372095	Gaia DR3 4155024037304806656	Star

33	278.329005	-10.393156	NGC 6649 420	Star
34	278.330275	-10.390771	NGC 6649 421	Star
35	278.328942	-10.446879	Gaia DR3 4155014790227694208	Star
36	278.330281	-10.428855	Gaia DR3 4155017783832596224	Star
37	278.334055	-10.340916	GES J18331976-1020345	Star
38	278.331111	-10.439140	UCAC4 398-084101	Star
40	278.334444	-10.354552	GES J18332031-1021159	Star
41	278.335139	-10.415818	NGC 6649 45	Star
42	278.335809	-10.399154	NGC 6649 46	Star
43	278.338371	-10.348678	Gaia DR3 4155024926353432704	Star
44	278.337615	-10.380356	2MASS J18332105-1022486	RedSG
45	278.337227	-10.401332	NGC 6649 412	Star
47	278.338132	-10.402499	NGC 6649 287	Star
49	278.338429	-10.425436	NGC 6649 44	Star
51	278.337857	-10.442410	Gaia DR3 4155014790227699200	Star
52	278.340635	-10.375603	NGC 6649 50	Star
53	278.340460	-10.384100	NGC 6649 48	Star
54	278.342058	-10.387443	NGC 6649 426	Star
55	278.342047	-10.401491	NGC 6649 288	Star
56	278.344302	-10.354021	Gaia DR3 4155024926353433856	Star
57	278.341845	-10.427503	NGC 6649 43	Star
58	278.344748	-10.392874	NGC 6649 25	Star
59	278.344189	-10.412511	Cl* NGC 6649 WL 824	Star
60	278.344827	-10.411662	NGC 6649 21	Star
61	278.346041	-10.391884	NGC 6649 293	Star
62	278.346460	-10.384294	NGC 6649 298	Star
63	278.345141	-10.425257	Gaia DR3 4155017783832353280	Star
64	278.346194	-10.400501	NGC 6649 24	Star
66	278.347256	-10.425229	NGC 6649 264	Star
67	278.347871	-10.403839	NGC 6649 23	Star
68	278.348553	-10.388479	Gaia DR3 4155024071664511104	Star
69	278.348943	-10.381856	NGC 6649 53	Star
70	278.350937	-10.356815	GES J18332426-1021239	Star
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73	278.349119	-10.436875	BD-10 4718	SB*

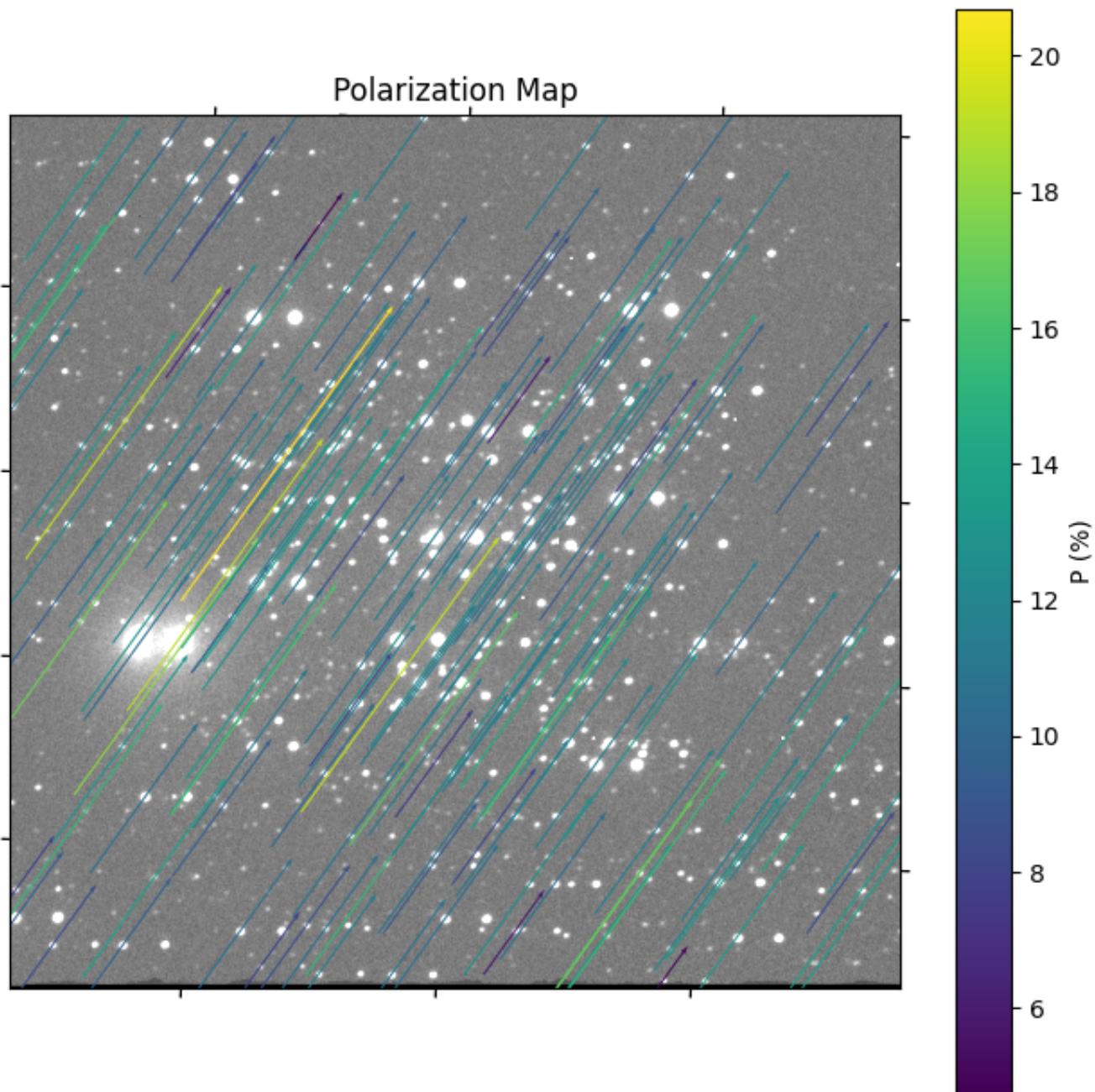
74	278.349954	-10.411582	NGC 6649 20	Be*
76	278.351691	-10.401778	NGC 6649 18	Star
78	278.351692	-10.440827	BD-10 4718	SB*
79	278.353800	-10.388391	NGC 6649 296	Star
80	278.353625	-10.395588	NGC 6649 17	Star
81	278.354670	-10.367374	2MASS J18332515-1022018	Star
82	278.355680	-10.347894	UCAC2 28238305	Be*
83	278.353584	-10.407023	NGC 6649 19	Star
84	278.354295	-10.386395	NGC 6649 300	Star
86	278.354586	-10.448444	GES J18332513-1026538	Star
87	278.356613	-10.397829	NGC 6649 212	Star
88	278.355290	-10.439644	GES J18332530-1026223	Star
89	278.355923	-10.428730	NGC 6649 263	Star
90	278.358084	-10.378965	NGC 6649 303	Star
91	278.356884	-10.452065	Gaia DR3 4155014760175335680	Star
92	278.359045	-10.393673	NGC 6649 16	Be*
93	278.360755	-10.358251	Gaia DR3 4155024552700869376	Star
94	278.358631	-10.424018	NGC 6649 372	Star
95	278.361890	-10.377012	NGC 6649 27	Star
96	278.361849	-10.375370	NGC 6649 309	Star
97	278.360662	-10.425607	2MASS J18332658-1025317	RedSG
98	278.362678	-10.403894	NGC 6649 8	Star
99	278.361885	-10.429646	NGC 6649 118	Star
100	278.364058	-10.392659	NGC 6649 15	Star
101	278.363373	-10.423457	NGC 6649 119	Star
103	278.363704	-10.436550	NGC 6649 373	Star
104	278.365188	-10.408063	NGC 6649 7	Star
105	278.366414	-10.382315	NGC 6649 308	Star
106	278.367045	-10.390133	NGC 6649 14	Star
107	278.365951	-10.425874	NGC 6649 370	Star
109	278.367990	-10.370164	UCAC4 399-080995	Star
110	278.365960	-10.442136	NGC 6649 513	Star
112	278.367752	-10.402605	NGC 6649 9	Be*
114	278.367824	-10.412107	NGC 6649 602	Star
115	278.367661	-10.450687	Gaia DR3 4155014554016896128	Star

116	278.369135	-10.414988	NGC 6649 5	Star
117	278.370380	-10.390336	NGC 6649 13	Star
118	278.369894	-10.417055	Gaia DR3 4155020738769838464	Star
119	278.370427	-10.428916	NGC 6649 369	Star
120	278.372131	-10.393041	NGC 6649 251	Star
121	278.370397	-10.441084	NGC 6649 512	Star
122	278.372067	-10.395950	NGC 6649 11	Star
124	278.371957	-10.418873	NGC 6649 4	Star
125	278.372018	-10.421840	NGC 6649 3	Star
126	278.373141	-10.394673	NGC 6649 12	Star
127	278.373838	-10.378950	NGC 6649 28	Star
128	278.373302	-10.433124	NGC 6649 368	Star
129	278.377743	-10.384283	NGC 6649 311	Star
130	278.375798	-10.439835	NGC 6649 41	Star
131	278.376665	-10.427776	NGC 6649 2	**
132	278.378621	-10.381982	NGC 6649 29	Star
133	278.377908	-10.409559	NGC 6649 231	Star
134	278.378265	-10.400861	NGC 6649 34	Star
135	278.377433	-10.428954	NGC 6649 1	Star
136	278.379540	-10.380554	NGC 6649 313	Star
137	278.378633	-10.422173	NGC 6649 38	Star
138	278.380644	-10.378996	NGC 6649 30	Star
139	278.381139	-10.370284	Gaia DR3 4155024277822929024	Star
140	278.378362	-10.449113	Gaia DR3 4155020429520782080	Star
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144	278.381114	-10.420048	NGC 6649 37	Star
145	278.382930	-10.373757	Gaia DR3 4155024277822922496	Star
146	278.382290	-10.396142	NGC 6649 33	Star
147	278.381072	-10.445885	NGC 6649 509	Star
148	278.381714	-10.431777	NGC 6649 367	Star
149	278.382723	-10.406243	Gaia DR3 4155020841849052032	Star
150	278.382037	-10.443669	NGC 6649 507	Star
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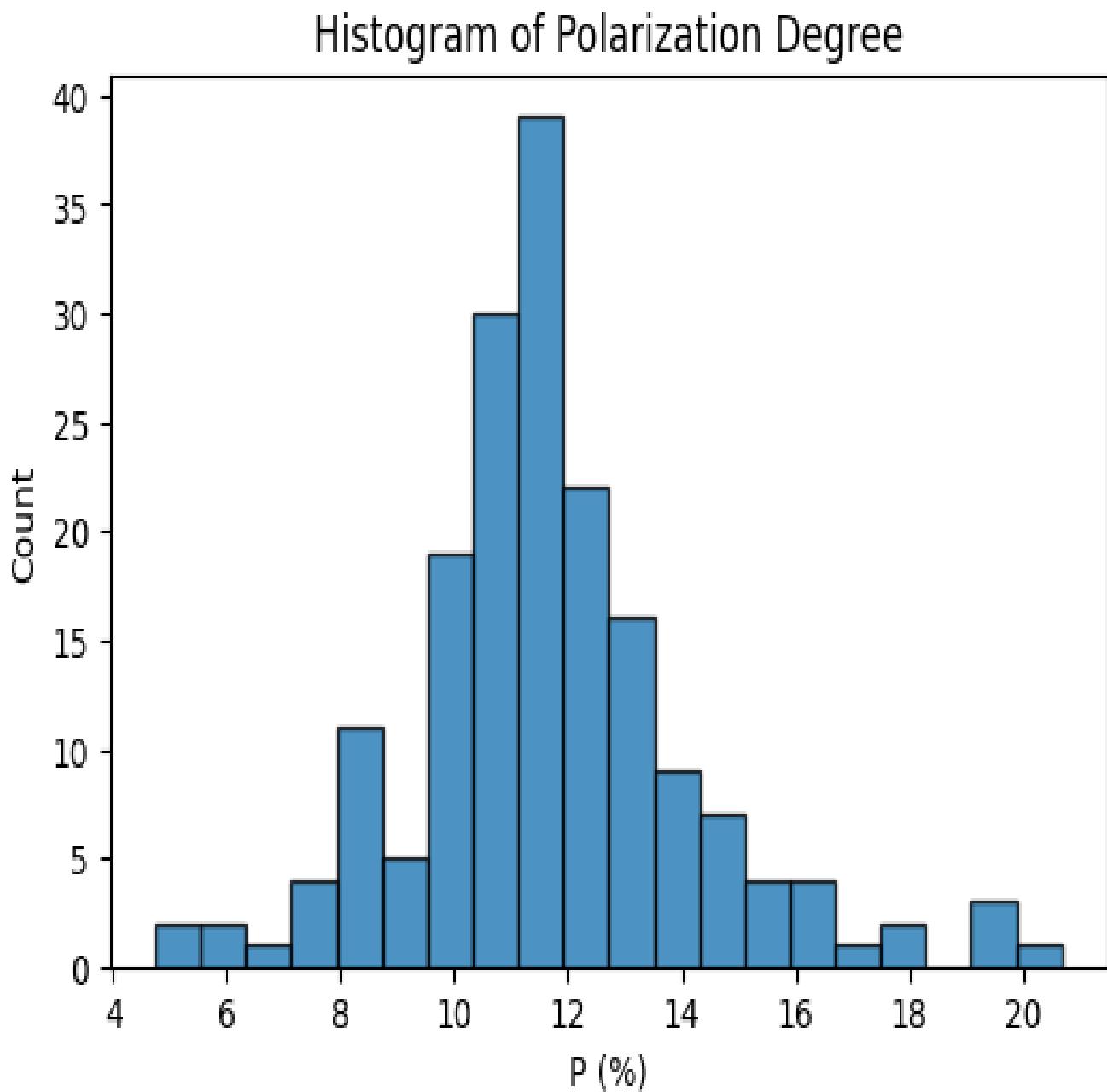
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154	278.385178	-10.417119	NGC 6649 351	Star
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156	278.386940	-10.383235	NGC 6649 31	Star
157	278.388262	-10.353432	Gaia DR3 4155024514036570496	Star
158	278.387145	-10.391969	NGC 6649 323	Star
161	278.388955	-10.366407	GES J18333339-1021584	Star
162	278.388802	-10.384095	NGC 6649 32	Star
163	278.388001	-10.417053	NGC 6649 39	Star
164	278.391653	-10.348911	Gaia DR3 4155024621420534912	Star
165	278.389561	-10.413526	NGC 6649 347	Star
166	278.388200	-10.457262	Gaia DR3 4155020360812652032	Star
167	278.390924	-10.410349	NGC 6649 40	Star
168	278.392249	-10.381183	NGC 6649 57	Star
169	278.392035	-10.434888	NGC 6649 65	Be*
170	278.392612	-10.458844	Gaia DR3 4155020360812652032	Star
171	278.395428	-10.381831	NGC 6649 463	Star
172	278.396413	-10.370938	Gaia DR3 4155024243463171328	EclBin
174	278.394684	-10.434345	GES J18333477-1026031	Star
175	278.394479	-10.456229	Gaia DR3 4155020360812652544	Star
176	278.396618	-10.427381	V* V367 Sct	ClassicalCep
177	278.399443	-10.378075	NGC 6649 58	Star
178	278.399885	-10.412611	NGC 6649 62	Star
179	278.401188	-10.381494	NGC 6649 59	Be*
180	278.401245	-10.391502	NGC 6649 470	Star
181	278.400953	-10.415296	NGC 6649 63	Star
182	278.400953	-10.422953	SNR G021.6-00.8	SNRemnant
183	278.402168	-10.392734	Gaia DR3 4155021254165908736	Star
184	278.402101	-10.405968	NGC 6649 61	Star
186	278.404389	-10.373690	GES J18333709-1022247	Star
187	278.402199	-10.450800	Gaia DR3 4155020360812655616	Star
188	278.406422	-10.388872	Gaia DR3 4155021254165908608	Star
189	278.407671	-10.365207	GES J18333788-1021542	Star
190	278.409688	-10.419136	ZTF J183337.02-102503.7	LongPeriodV*
191	278.409736	-10.432772	Gaia DR3 4155020493944276608	Star

192	278.409994	-10.450584	GES J18333842-1027012	Star
193	278.412321	-10.435303	GES J18333899-1026064	Star
194	278.413477	-10.430563	GES J18333952-1025492	Star
195	278.415117	-10.436165	UCAC4 398-084235	Star
196	278.418049	-10.370991	GES J18334036-1022151	Star
197	278.416949	-10.448972	GES J18334009-1026553	Star
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199	278.421566	-10.384724	Gaia DR3 4155021219806158080	Star
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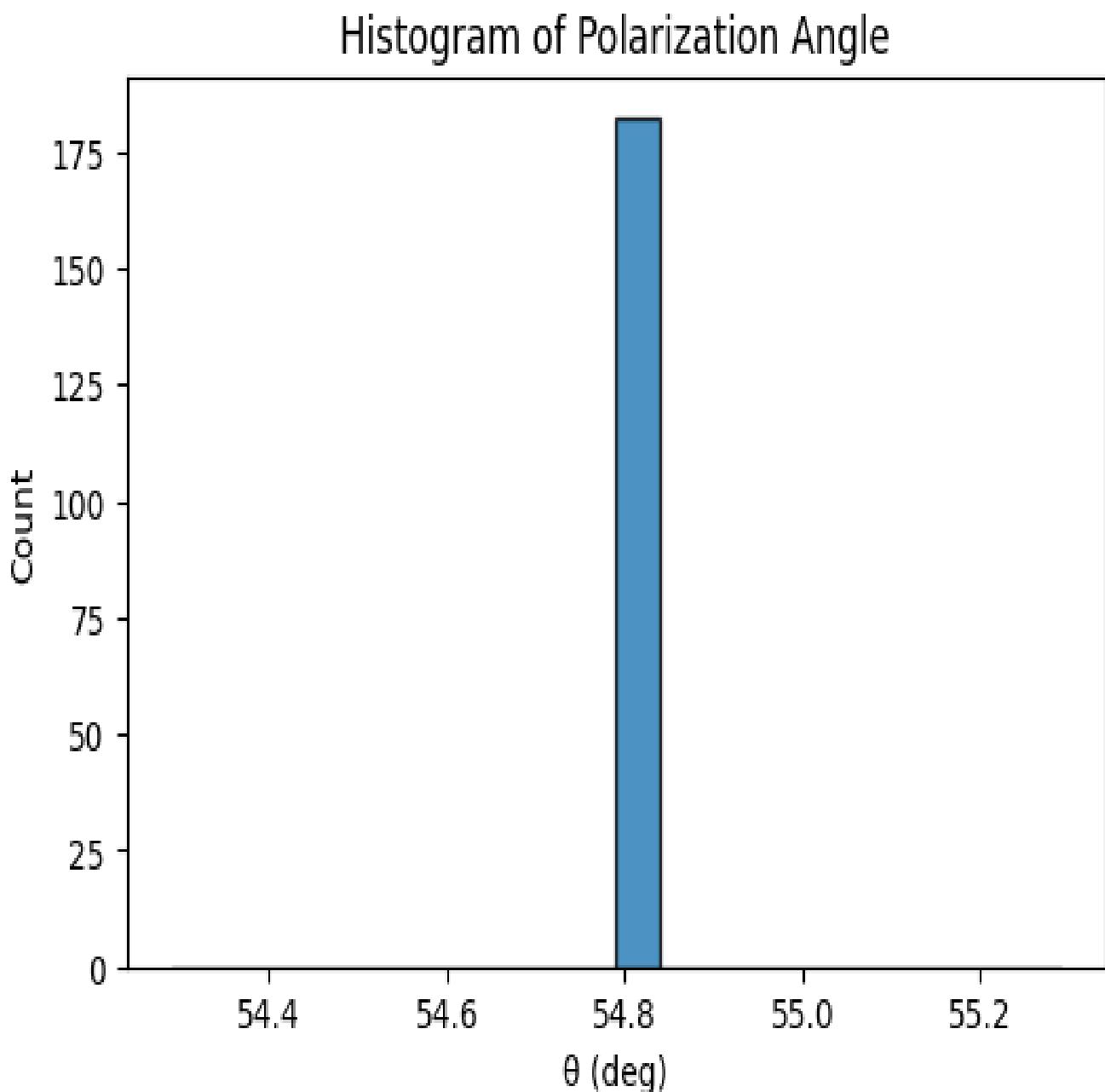
## 6. Polarimetría — Mapa de polarización



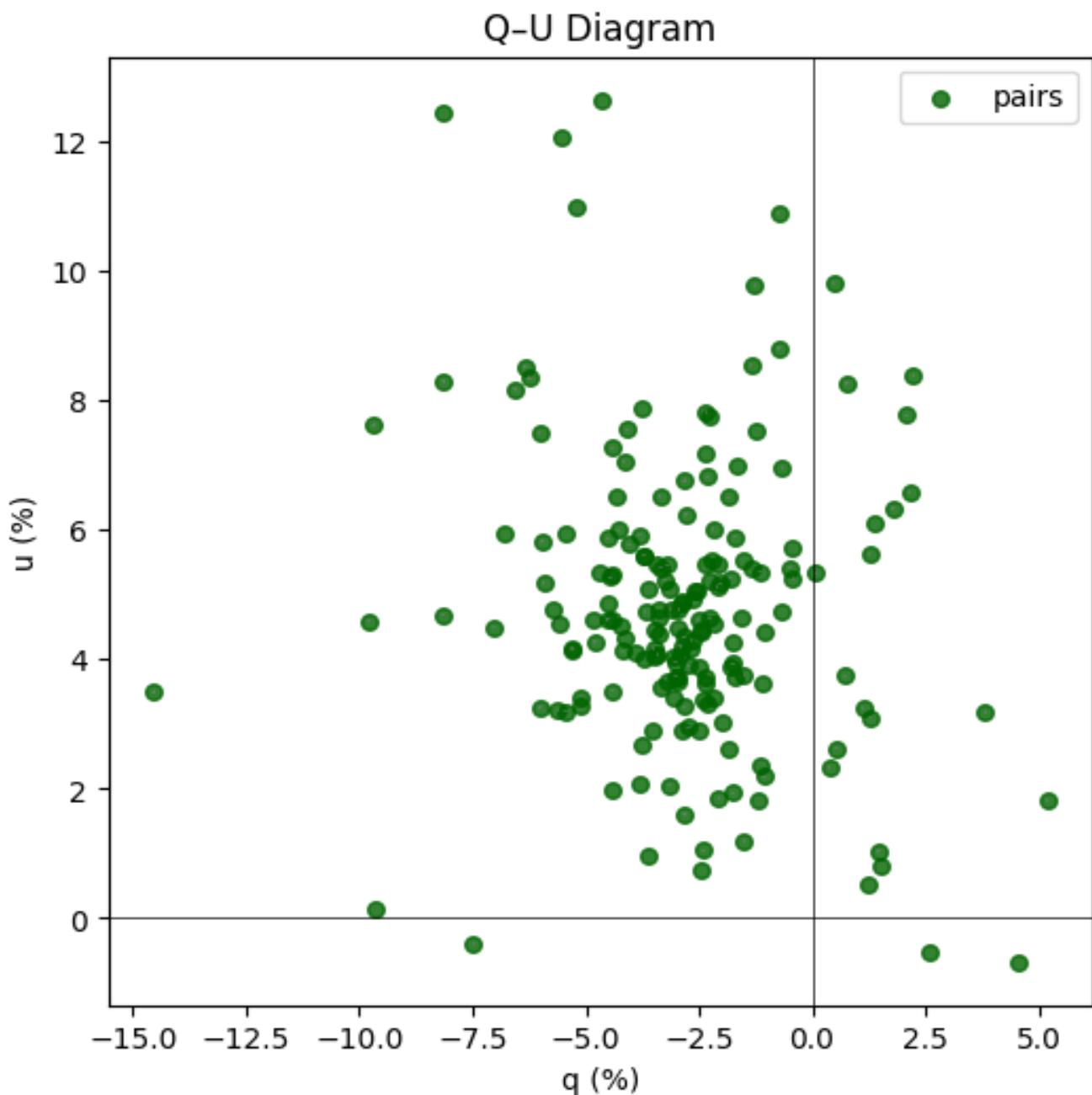
## 6. Polarimetría — Histograma de P



## 6. Polarimetría — Histograma de $\theta$



## 6. Polarimetría — Diagrama Q–U



## 6. Polarimetría — Estimación Interestelar (ISM)

Comp.	Q mean $\pm$ Q $\sigma$	Q weight	U mean $\pm$ U $\sigma$	U weight
0	-3.538 $\pm$ 0.625	0.25188350076158667	4.128 $\pm$ 0.492	0.7204381558512993
1	-2.529 $\pm$ 0.575	0.7481164992384134	5.490 $\pm$ 0.816	0.2795618441487006

### Explicación de columnas:

**Q Means:** medias de la componente q estimada para la polarización interestelar.

**Q sigmas:** desviaciones estándar ( $\sigma$ ) 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.

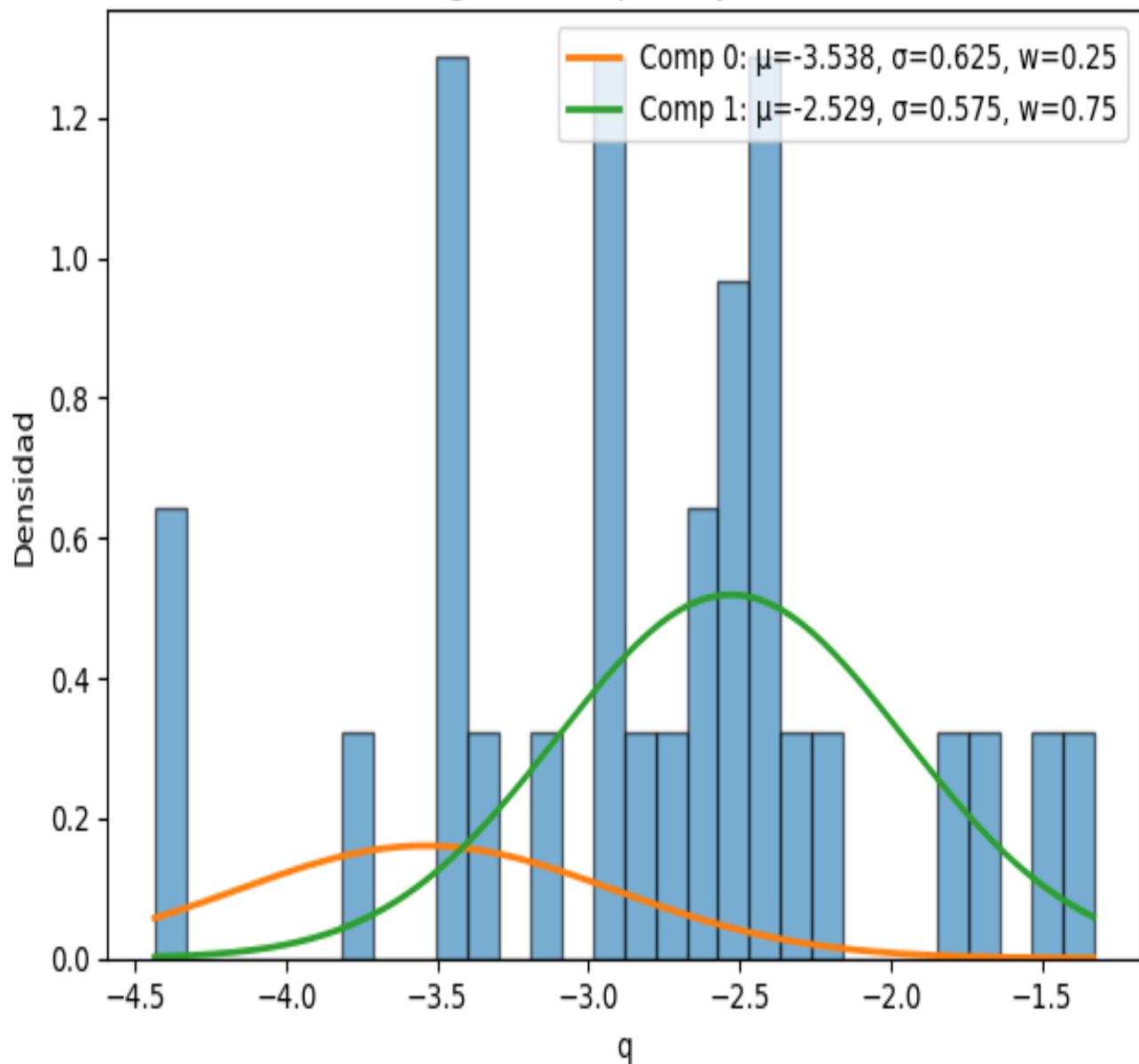
**U sigmas:** desviaciones estándar ( $\sigma$ ) de los componentes gaussianos ajustados a u.

**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

Histograma de  $u$  con ajuste GMM

