



# James Dunlop's Deep-Sky Catalogue

## Observing Challenge

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# James Dunlop's deep sky catalogue

Dunlop's original catalogue listed 629 objects; of these, John Herschel was able to find only 142. The remaining Dunlop objects have never been verified since he first recorded them over 150 years ago. Those objects that have been verified are shown in the table below. This presents a challenge to the careful deep sky observer: to discover what happened to the missing Dunlop objects.

<b>Dunlop</b>	<b>NGC</b>	<b>Dunlop</b>	<b>NGC</b>	<b>Dunlop</b>	<b>NGC</b>
1	7590	295	6752	473	6541
2	7599	297	3114	479	625
18	104	301	4755	480	1487
23	330	302	5617	481	3680
25	346	304	6025	482	5128
62	362	309	3372	483	6192
68	6101	311	4852	487	1291
81	1795	313	5606	499	6231
90	1943	323	3532	507	55
98	2019	326	6087	508	1851
102	2058	333	5715	511	4709
106	2122	334	6005	514	6124
114	1743	337	1261	518	7410
129	1910	342	5662	520	6242
131	1928	343	5999	521	6268
136	1966	348	1515	522	6318
142	2070	349	3960	535	2477
143	2069	355	3330	536	6139
160	2136	356	5749	547	1317
164	4833	357	5925	548	1316
167	1755	359	6031	549	1808
169	1770	360	6067	552	5986
175	1936	364	6208	556	6281
193	2159	366	6397	557	6441
194	2164	376	6584	562	1436
196	2156	386	3228	563	2546
201	2214	388	5286	564	2818
206	1313	389	5927	568	6400
210	1869	397	2972	573	6723
211	1955	400	6167	574	1380
213	1974	406	7049	578	2298
215	2004	410	2547	591	1350
218	2121	411	4945	594	2090
220	2035	412	6134	600	1532
225	6362	413	6193	607	6652
235	1810	417	6352	609	2658
236	1818	425	6861	612	6416
240	2029	426	1433	613	6637
241	2027	431	5460	614	6681
246	1831	438	1493	617	3621
262	6744	440	5139	619	6569
265	2808	442	6204	620	6809
272	4609	445	3201	623	5253
273	5281	454	6216	624	6715
282	5316	456	6259	626	2489
289	3766	457	6388	627	6266
291	4103	466	1512	628	5236
292	4349	469	5643		