

# BARNARD-

# KATALOG

## Dark nebulae

Nr	Sternb.	Gr	Rekt	Dekl
1	Per	30x30´	03-32-57	+31-10-00
2	Per	20x20´	03-33-31	+32-19-00
3	Per	20x20´	03-40-02	+31-59-00
4	Per		03-44-02	+31-49-00
5	Per	60x60´	03-47-53	+32-53-00
7	Tau		04-17-25	+28-34-00
10	Tau	8x8`	04-18-41	+28-17-00
14	Tau	3x3`	04-39-59	+25-45-00
15	Per	10x15´	04-31-56	+46-37-00
16	Per		04-32-26	+46-36-00
17	Per		04-32-31	+46-31-00
18	Tau	60x60`	04-31-13	+24-21-00
20	Per	60x60´	04-37-05	+50-59-00
22	Tau	120x120`	04-38-40	+26-03-00
23	Tau	5x5`	04-40-33	+29-53-00
24	Tau	8x8`	04-42-53	+29-44-00
26	Aur	5x5`	04-54-38	+30-37-00
27	Aur	5x5`	04-55-08	+30-33-00
28	Aur	4x4`	04-55-52	+30-38-00
29	Aur	10x10`	05-06-23	+31-35-00
30	Ori	67x67`	05-30-17	+12-46-00
31	Ori	30x30`	05-32-02	+12-46-00
32	Ori		05-32-09	+12-26-00
33	Ori	6x4`	05-40-53	-02-28-00
34	Aur	20x20`	05-43-31	+32-39-00
35	Ori	20x10`	05-45-34	+09-03-00
36	Ori	120x120`	05-49-46	+07-25-00
40	Sco	15x15`	16-14-39	-18-58-00
41	Sco	40x40`	16-22-18	-19-38-00
44	Oph		16-40-34	-24-04-00
44a	Sco	5x5`	16-44-45	-40-20-00
45	Oph		16-46-26	-21-36-00
45	Sco		16-46-26	-21-36-00
46	Oph	12x12`	16-57-13	-22-44-00

47	Oph	15x15`	16-59-43	-22-39-00
48	Sco	40x15`	17-01-42	-40-41-00
49	Sco		17-02-40	-33-16-00
50	Sco	15x15`	17-02-54	-34-23-00
51	Oph	20x20`	17-04-44	-22-16-00
53	Sco	30x10`	17-06-11	-33-35-00
54	Sco	5x5`	17-06-34	-34-15-00
56	Sco	3x3`	17-08-49	-32-06-00
57	Oph	5x5`	17-08-22	-23-40-00
58	Sco	30x20`	17-11-12	-40-25-00
59	Oph	60x60`	17-11-24	-27-30-00
60	Oph	13x13`	17-11-51	-22-26-00
61	Oph	10x4`	17-15-00	-20-29-00
62	Oph	19x19`	17-16-12	-20-53-00
63	Oph	100x20`	17-16-28	-21-29-00
64	Oph	20x20`	17-17-19	-18-29-00
65	Oph	12x12`	17-19-36	-26-42-00
66	Oph	8x8`	17-19-57	-26-54-00
67	Oph		17-20-57	-26-52-00
68	Oph	4x4`	17-22-36	-23-47-00
69	Oph	4x4`	17-22-56	-23-55-00
70	Oph	4x4`	17-23-32	-24-02-00
71	Oph		17-23-02	-24-00-00
72	Oph	4x4`	17-23-36	-23-37-00
73	Oph	1x1`	17-24-08	-24-17-10
74	Oph	15x10`	17-25-08	-24-12-00
75	Oph		17-25-18	-22-02-00
76	Oph	30x30`	17-25-39	-24-25-00
77	Oph	60x60`	17-28-37	-23-51-00
78	Oph	200x140`	17-32-43	-25-36-00
79	Oph	30x30`	17-37-23	-19-37-00
80	Oph	3x1`	17-37-43	-21-16-40
81	Oph		17-38-33	-23-56-00
82	Oph		17-38-37	-23-47-00
83	Oph	7x7`	17-38-59	-24-11-00
83a	Sgr	4x4`	17-45-19	-20-00-00
84	Sgr		17-46-26	-20-15-00
84a	Sgr	16x16`	17-57-37	-17-40-00
85	Sgr		18-02-25	-23-01-00
86	Sgr	5x5`	18-03-02	-27-52-00
87	Sgr	12x12`	18-04-11	-33-20-00
88	Sgr	2x0,5`	18-04-35	-24-06-52
89	Sgr	0,5x0,5`	18-05-00	-24-21-50
90	Sgr	3x1`	18-10-14	-28-16-50
91	Sgr	5x2`	18-10-08	-23-42-00
92	Sgr	15x9`	18-15-35	-18-14-00
93	Sgr	15x2`	18-16-54	-18-04-00
94	Sct	15x15`	18-25-54	-11-30-00
95	Sct	30x30`	18-25-36	-11-45-00
96	Sct		18-26-25	-10-18-00
97	Sct	50x50`	18-29-05	-09-55-00
99	Sgr	11x3`	18-33-18	-21-29-00
100	Sct	16x16`	18-32-41	-09-09-00

101	Sct	13x4`	18-32-40	-08-49-00
102	Sct	8x3`	18-37-42	-13-45-00
103	Sct	4x4`	18-39-26	-06-40-00
104	Sct	16x1`	18-47-19	-04-32-00
105	Sct	0,5x0,5`	18-47-44	-06-55-00
106	Sct	2x2`	18-48-50	-05-04-46
107	Sct	5x5`	18-49-31	-05-01-00
108	Sct	3x3`	18-49-35	-06-18-40
109	Sct	0,7x0,7`	18-49-36	-07-33-40
110	Sct	11x11`	18-50-08	-04-48-00
111	Sct	120x120`	18-50-39	-04-57-00
112	Sct	20x20`	18-51-09	-06-40-00
113	Sct	11x11`	18-51-25	-04-19-00
114	Sct	6x6`	18-53-11	-06-57-00
115	Sct	7x1,4`	18-53-20	-07-30-00
116	Sct	20x3`	18-53-33	-07-11-00
117	Sct	7x7`	18-52-43	-04-51-00
118	Sct	2x2`	18-53-56	-07-26-52
119	Sct		18-54-36	-04-33-00
120	Sct		18-54-54	-04-36-00
121	Sct		18-55-26	-04-37-00
122	Sct	4x4`	18-56-49	-04-45-00
123	Sct	90x90`	18-57-40	-04-43-00
124	Sct	3x3`	18-57-42	-04-21-10
125	Sct	9x2`	18-58-22	-04-23-00
126	Aql	8x8`	18-59-02	-04-32-00
126	Sct	8x8`	18-59-02	-04-32-00
127	Aql	4x4`	19-01-32	-05-27-00
128	Aql	10x10`	19-01-40	-04-34-00
129	Aql	5x5`	19-02-05	-05-18-00
130	Aql	7x7`	19-01-56	-05-34-00
131	Aql	2x4`	19-03-06	-04-22-14
132	Aql		19-04-28	-04-26-00
133	Aql	10x3`	19-06-13	-06-54-00
134	Aql	6x6`	19-06-53	-06-15-00
135	Aql	13x13`	19-07-33	-03-55-00
136	Aql	8x8`	19-08-50	-04-00-00
137	Aql		19-16-00	-01-20-00
138	Aql	180x10`	19-16-24	+00-13-00
139	Aql	10x2`	19-18-00	-01-25-00
140	Aql	60x60`	19-19-49	+05-14-00
141	Aql	20x20`	19-20-11	+01-54-00
142	Aql	40x40`	19-39-41	+10-31-00
143	Aql	60x60`	19-41-25	+11-00-00
144	Cyg	30x30`	19-58-41	+35-20-00
145	Cyg	35x6`	20-02-49	+37-41-00
146	Cyg	1x1`	20-03-29	+36-01-00
147	Cyg	20x8`	20-28-50	+35-23-00
148	Cep	3x3`	20-47-43	+59-37-40
149	Cep	2x2`	20-49-02	+59-31-54
150	Cep	60x3`	20-50-40	+60-18-00
151	Cep	1x1`	21-08-14	+56-19-20
152	Cep	15x3`	21-14-30	+61-44-00

153	Cep	1x1´	21-21-03	+56-26-54
154	Cep	8x2´	21-21-23	+56-37-00
155	Cyg	13x13´	21-32-09	+44-58-00
156	Cyg	8x8´	21-33-59	+45-35-00
157	Cyg	4x4´	21-33-42	+54-40-00
158	Cyg	3x3´	21-37-14	+43-24-40
159	Cyg	25x25´	21-38-23	+43-14-00
160	Cep	30x15´	21-37-59	+56-14-00
161	Cep		21-40-22	+57-49-00
162	Cep	13x2´	21-41-09	+56-19-00
163	Cep	4x4´	21-42-10	+56-42-00
164	Cyg	12x6´	21-46-32	+51-06-00
165	Cep	18x1´	21-48-56	+60-13-00
166	Cep	5x5´	21-51-05	+60-05-00
167	Cep	5x5´	21-51-58	+60-04-00
168	Cyg	100x10´	21-53-21	+47-16-00
169	Cep	60x50´	21-58-53	+58-46-00
170	Cep	26x4´	21-58-03	+58-58-00
171	Cep	19x19´	22-01-19	+58-52-00
173	Cep	4x4´	22-07-29	+59-41-00
174	Cep	19x19´	22-07-20	+59-05-00
201	Per	10x10´	02-13-00	+57-05-00
207	Tau		04-04-35	+26-21-00
208	Tau		04-11-33	+25-10-00
209	Tau		04-12-23	+28-20-00
210	Tau		04-15-33	+25-04-00
211	Tau		04-17-12	+27-49-00
212	Tau		04-19-15	+25-18-00
213	Tau		04-21-11	+27-03-00
214	Tau	5x5`	04-21-56	+28-33-00
215	Tau		04-23-34	+25-03-00
216	Tau		04-24-00	+26-38-00
217	Tau		04-27-39	+26-07-00
218	Tau	15x15`	04-08-06	+26-20-00
219	Tau	55x3`	04-34-52	+29-36-00
221	Aur	45x45`	04-44-01	+31-44-00
222	Aur	10x10`	05-08-24	+32-10-00
223	Ori	8x8`	05-21-28	+08-20-00
224	Ori	20x20`	05-23-55	+10-37-00
225	Ori	35x5`	05-28-58	+11-36-00
226	Aur	17x17`	05-36-35	+33-42-00
227	Ori	12x12`	06-07-24	+19-39-00
229	Sco	45x45`	16-17-41	-27-19-00
230	Oph	60x60`	16-27-10	-16-47-00
231	Sco	50x40`	16-38-24	-35-25-00
232	Sco	10x10`	16-43-44	-39-49-00
233	Sco	55x20`	16-44-45	-35-24-00
234	Sco	30x6`	16-46-27	-30-29-00
236	Sco		16-48-55	-29-48-00
237	Sco	30x6`	16-48-55	-29-58-00
238	Oph	13x13`	16-52-22	-23-08-00
239	Sco	15x2,5`	16-55-00	-31-07-00
240	Sco	20x20`	16-59-18	-35-22-00

242	Sco	30x8`	17-05-07	-32-26-00
243	Oph	25x25`	17-09-46	-29-35-00
244	Oph	30x20`	17-10-52	-28-25-00
245	Oph	8x8`	17-11-56	-29-24-00
246	Oph	20x20`	17-12-02	-22-39-00
248	Oph	10x3`	17-13-04	-28-59-00
249	Oph	5x0,3`	17-13-05	-29-09-00
250	Oph	15x15`	17-13-02	-28-24-00
251	Oph	20x5`	17-13-49	-20-09-00
252	Sco	20x5`	17-15-19	-32-09-00
253	Oph	60x60`	17-15-32	-22-34-00
255	Oph	5x5`	17-20-35	-23-28-00
256	Oph	50x10`	17-22-12	-28-50-00
257	Sco	10x7`	17-22-47	-35-38-00
258	Sco	40x40`	17-22-58	-34-43-00
259	Oph	30x30`	17-22-02	-19-18-00
260	Oph	12x7`	17-24-49	-25-37-00
261	Oph	14x5`	17-25-04	-23-02-00
262	Oph	30x30`	17-25-33	-22-37-00
264	Oph	10x1`	17-27-13	-25-32-00
265	Oph	18x7`	17-27-37	-25-12-00
266	Oph	30x5`	17-28-07	-20-56-00
267	Oph	5x3`	17-28-32	-25-13-00
268	Oph	100x50`	17-31-26	-20-31-00
269	Oph	60x28`	17-32-14	-22-46-00
270	Oph	11x11`	17-32-43	-19-36-00
271	Sco	120x10`	17-34-17	-34-15-00
272	Oph	45x45`	17-37-36	-23-25-00
273	Sco	15x15`	17-38-29	-33-21-00
274	Oph	18x3,5`	17-38-04	-22-44-00
275	Sco	13x13`	17-38-59	-32-20-00
276	Oph	40x40`	17-39-39	-19-49-00
277	Oph	18x18`	17-40-45	-23-04-00
278	Sco	15x15`	17-42-39	-32-19-00
279	Sgr	60x60`	17-44-33	-22-34-00
280	Sgr	60x60`	17-44-57	-20-43-00
281	Sgr		17-46-47	-23-43-00
282	Sgr	18x4`	17-48-37	-23-28-00
283	Sco	90x60`	17-51-16	-33-52-00
284	Sct	35x5`	17-50-04	-14-22-00
285	Ser	15x15`	17-51-32	-12-52-00
286	Sco	15x15`	17-53-04	-35-37-00
287	Sco	25x15`	17-54-27	-35-12-00
289	Sgr	35x7`	17-56-37	-29-01-00
292	Sgr	60x60`	18-00-34	-33-21-00
293	Sgr	18x18`	18-01-13	-35-21-00
294	Sgr	3x3`	18-01-30	-28-36-30
295	Sgr	50x50`	18-04-05	-32-00-00
296	Sgr	6x1`	18-04-04	-24-32-00
297	Sgr	90x60`	18-04-21	-18-45-00
299	Sgr		18-06-20	-27-18-00
300	Sgr		18-07-01	-32-39-00
301	Sgr	45x2`	18-08-51	-18-42-00

302	Sgr	0,5x0,5`	18-09-14	-23-58-00
303	Sgr	1x1`	18-09-29	-24-00-00
304	Sgr		18-13-21	-18-43-00
305	Sgr	13x13`	18-14-38	-31-48-00
306	Sgr	4x0,5`	18-15-45	-25-43-00
307	Sgr	6x1`	18-18-38	-17-57-00
308	Sgr	7x5`	18-19-08	-22-14-00
309	Sgr	5x5`	18-23-09	-24-02-00
310	Sgr	2x2`	18-30-13	-18-35-11
311	Sgr	6x1`	18-30-27	-17-40-00
312	Sgr	100x30`	18-32-11	-15-35-00
313	Sct	15x2`	18-35-57	-15-41-00
314	Sct	35x25`	18-37-05	-09-43-00
317	Sct	30x5`	18-45-46	-14-12-00
318	Sct	90x2`	18-49-43	-06-24-00
320	Sct	15x15`	18-52-47	-05-51-00
321	Sct	15x7`	18-54-02	-11-18-00
322	Sct	2x2`	18-55-47	-04-27-32
326	Aql	25x3`	19-03-26	-00-23-00
327	Aql	30x3`	19-04-27	-05-08-00
328	Aql	4x4`	19-04-49	-04-15-00
329	Aql	6x6`	19-07-00	+03-12-00
330	Aql	30x30`	19-19-34	+07-34-00
331	Aql	60x3`	19-26-04	+07-35-00
332	Aql		19-28-01	+08-45-00
333	Aql	60x60`	19-28-55	+10-40-00
334	Aql	3x3`	19-35-06	+12-19-20
335	Aql	6x6`	19-36-54	+07-37-00
336	Aql	2x1`	19-36-41	+12-20-37
337	Aql	3x3`	19-37-01	+12-23-40
338	Aql	8x8`	19-43-03	+07-28-00
339	Aql	60x60`	19-44-03	+08-18-00
340	Aql	7x7`	19-48-44	+11-25-00
341	Cyg	30x1`	19-50-01	+34-17-00
342	Cyg	4x1`	20-09-31	+41-12-00
343	Cyg	13x5`	20-13-26	+40-17-00
344	Cyg	7x3`	20-16-12	+40-13-00
345	Cyg	15x2`	20-21-00	+46-34-00
346	Cyg	10x4`	20-26-46	+43-45-00
347	Cyg	4x1`	20-28-28	+39-55-00
348	Cyg	60x3`	20-34-26	+42-06-00
349	Cyg	6x1`	20-47-24	+43-58-00
350	Cyg	3x3`	20-49-07	+45-52-50
351	Cyg	3x25`	20-52-28	+47-24-00
352	Cyg	20x10`	20-57-11	+45-54-00
353	Cyg	12x6`	20-57-23	+45-29-00
354	Cep	60x60`	20-58-13	+58-09-00
355	Cyg	5x5`	20-59-38	+43-11-00
356	Cyg	24x24`	20-59-59	+46-41-00
357	Cep	30x30`	20-59-52	+55-34-00
358	Cyg	20x20`	21-05-41	+43-17-00
359	Cep	20x3`	21-06-47	+57-10-00
360	Cep		21-07-52	+56-30-00

361	Cyg	17x17'	21-12-46	+47-26-00
362	Cyg	15x8'	21-23-58	+50-12-00
363	Cyg	40x15'	21-24-54	+48-56-00
364	Cyg	40x40'	21-34-05	+54-33-00
365	Cep	22x3'	21-34-54	+56-43-00
366	Cep	10x10'	21-40-22	+59-34-00
367	Cep	5x5'	21-44-25	+57-10-00
368	Cep	14x3'	21-50-56	+58-59-00
369	Cep	5x5'	22-15-55	+56-01-00