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A. 3656

H.C. 6788	12.0	2d4		70°
6799	1.0	f10		
I.C. 4853	7.0	2d4		10°
4854	4.0	a8		
4855	2.0	a7	object doubtful	
4856	4.0	b7		
4857	1.0	a8		
4858	4.5	pS c9		
4861	4.0	a5		30°
N.N. 15	2.5	a8		
16	1.5	a10		

A. 4488

31	2.0	a5		80°
26	1.0	a6		
H.N. 1856	2.0	b8		
1857	2.0	c8		

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A. A488

H.N.	1858	2.0	a8	
	1860	1.0	c10	
	1861	2.0	b5	30°
	1862	1.5	a8	
	1863	5.0	b5	0°
	1864	2.0	a5	55°
	1866	2.0	b8	
	1869	1.5	b9	
	1870	2.5	a5	170°
	1872	1.0	b10	
	1873	2.0	b8	
	1874	2.5	c7	
	1876	7.0	a3	100°
	1877	1.5	a10	
	1878	2.0	c8	

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		A.P488		
H.N. 1879	5:0	a7		
1880	4.0	a4		170°
1882	1.5	b10		
1883	3.0	c8		
1885	3.0:	b7:	too near edge	
1887	2.0:	b8:		
		A.472f		
4	1.5-	a7		
3	2.0	a7		
2	2.0	b8		
6	2.5-	a8		
5-	1.0	b9		
7	2.5-	a7		
c	1.0	c9		
a	1.0	d8		
9	4.0	a4		50°

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		A. 4728	
I.C. 4711	1.0	d10	
4713	5.0	a8	
N.G.C. 6730	2.0	f10	
6734	2.0	i f6	
6736	1.5-	c9	
		A. 4738	
5-	1.5-	b7	
4	3.5-	a5	30°
3	2.0	a4	
2	2.0	b9	
		A. 4742	
6	2.0	c8	
5-	2.0	c9	
a	5.0	a4	135°
4	2.5-	b8	
9	1.5-	a10	

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A.4742

8	1.0	b8	
13	2.0	c10	
14	3.0	c7	
12	3.0	a9	
10	1.0	b8	
1	3.0	b0	20.0
2	2.0	c8	
IC.5010		nebulosity	
5023	5.0	2 d0	125.0
5028	7.0	a0	170.0
5031	2.0	b8	
5032	2.0	b8	
5038	5.0	d7	
5042	4.0	b8	
5052	2 7.0	b1	15.0

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10

		A. 4742	
N.G.C. 5005	9.5	C 6	
N.G.C. 6943	18.0	b.E 5	130°
		A. 6765	
21		H.N. 1734	
1	3.5	b 9	
2	4.0	b 8	
3	2.0	c 9	
a	2.0	a 8	
4	2.0	c 9	
5	2.0	a 8	
c	2.0	b 6	
6	5.0	a 8	
8	3.0	2c 5	130°
d	2.0	a 7	
14	5.0	b 8	
15	5.0	2C 4	20°

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A.1765

18	2.0		dA		
19		H.IV.1733			
I.C.4359	5.0		b7		
4362	0.5-		b5-		140°
4385	2.0		b7		
4386	2.5		cA		
4387	4.0		b7		
4390	7.0		Li d5		5°
4406	7.0		f8		
4441	2.0		a9	I have classified neb. suspected as I.C.4441 but 1m less than catalogued R.A.	
4444	7.5		psc10		
N.G.C.5643	16.0		dA	possibly annular?	
N.N.22	9.0		id7		
23	4.0		b9		
24	16.0		f7		

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		A. 6764	
4	2.0	b10	
6	2.0	a 7	
7	2.0	a 9	
8	2.0	b 9	
9	2.5-	a 6	
a	2.0	c8	
I.C. 4402	10.0	b 4	120°
4445-	4.0	a5-	160°
N.G.C. 5576	2.5-	b8:	
5670	3.0	f 7	
		A. 6766	
4	5.0	2c4	0°
8	2.0	b8	
7	2.0	a 9	
9	2.0	c9	
10	1.0	a9	
11	1.5	b 8	

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H.6766

10⁻	2.0	a8	
16	1.0⁻	b9	
17	3.0	c7	
18	2.0	b8	
12	3.0	a9	
19	2.0	b9	
20	1.0⁻	c7	
23	2.0	a6	
24	2.0	c9	
25⁻	1.0⁻	d10	
26	3.0⁻	c9	
27	1.0⁻	a7	
29	3.0	a9	
32	2.0	a0⁻	120°
34		3 stars	

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A.6766

35	6.0	b7		
36	2.0	dq		
C		Nebula		
2P	2.0	a8		
30	4.0	b6		
I.C. 4472	18.0	a1		0°
4511	10.0	idq		
4518	4.0, 6.5	b7+a4	double nebula	—, 110°
4523	4.0	d8		
4527	6.0	c6		
4529	1.5	idq		
N.G.C. 5682	3.0	b8		
5796	10.5	S dq		

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		A. 4539	
6	4.0	dA	
5	2.0	c9	
4	10.0	d8	
3	5.0	b8	
2	3.0	b9	
1	0.0	b7	
7	3.0	bA	
8		I.C 4595	
I.C. 4584	7.0	a9	
4585	10.0	c7	
4595	10.0	Lb2	5-0°
N.G.C. 6183	5.0	Lc4	40°

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A.13041

15	1.5	cA	
c	4.0	c9	
14	1.5	c9	
9	1.0	b9	
10	2.0	aA	
4	2.0	c9	
5	3.0	a7	
6	3.0	a9	
12	2.0	a9	
13	5.0	b4	0°
16	2.0	d6	
a	1.5	aA	
1	2.0	bA	
2	3.0	a6	
n	3.0	a8	

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A 13041

k	2.0	aq	
j	4.0	a8	two stars ?
I.C. 1023		nebulous	
4389	4.0	a8:	
4421	1.0	E q	
4432		nebulous	
4451	2.0	f10	
4458		nebulous	
4464	2.0	f7	
4490		nebulous	
N.N. 19	2.0	aq	
20	2.0	aq	

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A. 3630⁻

8	2.0	a 9	
9		diffuse	
12	4.0	c 6	
14	3.0⁻	a 7	
10⁻	3.0	c 9	
16	4.0	b 9	
17	2.0	b 8	
I.C. 1203		nebulous	
4592		diffuse nebulosity	
4596	6.0⁻	L b 5⁻	50°
4600		nebulous	
4601		diffuse nebulosity	
4604		diffuse nebulosity	

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		A. 6453	
3		two stars	
2	3.0	b0	20.0
I.C. 4097	2.0	f10	
4098	4.0	a7	
NGC. 6082		not seen	
		A. 6808	
a	2.0	b10	
I.C. 4657	1.5	b7	
4659	2.0	b7	
NGC. 6439	3.0	a7	quadruple
6440	5.0	c9	
6445	5.0	b9	

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		A. 13043	
23	2.0	bA	
24	1.0	cA	
16	1.0	dq	
15	2.0	aq	
17	1.0	cq	
11	3.0	bq	
		A. 10201	
1	2.0	a7	
		A. 836A	
4	3.0	a5	60°
H.N. 1754	5.0	a7	
1770	2.0	c8 ← very doubtful if this is nc. Bailey	
1795	5.0	a8 — mean f. Bob. a star	
		A. 6423	
2	2.0	bA	
I.C. 4544		nebulous	
4550		nebulous	

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A. 13454

2	3.0	a9	
3	2.0	a7	
5	6.0	S.b4	100°
6	2.0	b9	
7	2.0	a9	
8	4.0	L.b5	90-°
9	5.0	L.b5-	30°
10	4.0	b6	
C	1.0	c10	
11	1.5-	b8	
12	1.5-	a10	
b	2.0	b9	

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A. 13461

12	2.0	a 8	
14	2.0	b 8	
16	7.0	Lf 5	80°
18	2.0	d 9	
20	4.0	b 10	
20a	2.0	c 9	
21	4.0	b 9	
23	1.5-	b 9	
c	5.0	a 5-	0°
d	1.5-	b 10	
31	2.0	b 9	
g	2:0	a 7	
I.C. 1207	4.0	b 6:	gaseous
4591		diffuse nebulosity	
N.G.C. 6000	8.0	c 9	

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A. 13471

3	2.0	bA
4	2.0	b7
5	3.0	aA
6	4.0	bA
7	2.0	b9
A	3.5	b9
N.G.C. 6026	4.0	f9 star in center
6072	5.0	id9

A. 13019

b	1.0	d10
I.C. 4603		diffuse nebulosity
4605		diffuse nebulosity

A. 12090

9	4.0	b9
11	2.0	cA
N.G.C. 6369	4.0	annular nebula – star in the middle

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			A. 7413
2	1.5		a 9
			A. 1207
1	2.0		a 9
N.G.C. 6519, 6551, 6563 nebulosity			
			A. 3810
4	3.0		c 9
20	5.0		a 6
2	3.0		a 7
44	3.0		b 9
3	3.5		a 7
40	2.0		a 9
48	3.0		d 9
39	2.0		b 8
54	5.0		a 7
53	2.5		c 9
51	2.0		a 8
7	1.5		b 9

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H. 3810

I.C. 4812		diffuse nebula	
N.G.C. 6726		"	
6727		"	
6729		"	
		H. 10061	
1	2.0	a9	
I. 1297		nebulous	
		H. 10231	
1	2.0	a10	
Merged		A. 7412	
1833-53381	3.0	b7	
	classification completed on p. 210		
		A. 2662	
2	2.0	b10	
3	1.5	b9	
4	1.0	b9	
N.G.C. 5843	5.0	b5	60°
5873		nebulous	

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		A. 9286	
M.W.C. 6392	1.0	c9	see classification under A. 4599, longer exp.
		A. 3795	
I.C. 4622	5.0	b9	
4629	4.0	b5	A0
		A. 1981 ME 5654	
IC. 4709			
4717		a9	
4719			
		A. 4488	
1	2.0	a9	
		A. 3236	
1	2.0	b9	
		A. 3519	
M.W.C. 6401	9.0	i b8	
14		a7	
11		b9	
13		a9	

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A.8493 (partial classification for B.M.W.)

H.N. 1907	1.0	b9	
1931	1.0	b8	
1940	1.0	a8	
1941	1.0	b10	
1942	2.0-	Lb5	10°
1945	1.5	d9	
1966	2.0	b8	
		A.1833	
1552-0803.3	1.0	a10	
		A.5654	(on top of stacks in C.26 - very badly broken)
I.4709	4.0	c6	
4717	8.0	Ld5	90°
4719	8.0	d8	
1	4.0	b7	
2	2.0	c9	
3	6.0	d10	

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		A. 3690
38	4.0	a 8
29	3.0	c 9
35	5.0	a 9
37	3.0	b 9
15	2.0	a 10
		A. 4705 9
d	3.0	a 10
15	3.0	a 9
17	2.5	d 9
18	2.0	b 9
72	12	b 9
8	3.0	b 9
75	2.0	f 9
5	5.0	b 6
57 a	2.0	b 9
58 a	3.5	b 9

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		H.475-9
34	3.0	a9
58 b	2.0	a9
57	2.0	b9
74	1.5-	b10
53	1.5-	a9
73	2.0	a7
61	2.0	a9
66	2.0	a9
3	2.0	b9
4	3.0	a8
2	5.0	a6
43	2.5-	b9
45-	2.0	c9
44	1.5-	b9
42	3.0	a9

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A 4759

39	4.0	d8	
26	3.0	b9	
25-	2.0	c8	
21	3.0	a9	
I.C. 5075	3.0	2d5-	105°
5077	2.0	b9	
5085	2.5-	b10	
5089	3.0	c9	
5091	3.0	a9	
5093	2.0	b9	
5099	2.5-	c6	
5102	3.0	c9	
5103	5.0	a9	
5106	2.5-	c9	
5108	5.0	b7	

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I.C. 5109	2.0		d2		
5116	4.0		d9		
5118	5.0		b6		
5123	5.0		2c 5-		20°
5130	7.0		ib 7		
			A. 5-5-4F		
120a	2.0		c9		
118	4.0		a10		
117	3.0		b6		
54	2.0		c10		
63	5.0		b8		
60	2.0		b7		
(66)	4.0		2d 5-		65-0
H.N. 1929					
108	1.5-		b9		
71	2.0		b6		
75	1.5-		b10		

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A.5548

74	2.0		a9	
76	1.5		b10	
38	1.5		d9	
84	2.0		a9	
79	2.0		d10	
80	3.0		b9	
81	2.0		b10	
83a	1.5		b10	
83b	2.0		d10	
11	1.5		b6	
86	5.0		b5	80°
90	3.0		b7	
29	1.5		c9	
3	4.0		b7	
39	1.0		d10	

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		A.5-54/A	
123	1.5	a 9	
40	1.5	d 9	
16	4.0	d 8	
14	2.0	c 10	
A	2.5	b 8	
47	4.0	b 6	
46	3.0	a 9	
121	5.0	b A	
120 B	5.0	b 8	
		A.5-60-3	
17	5.0	b 5	50°
2	2.0	a 8	
6	3.5	a 7	
a	1.5	c 10	
14	5.0	b 9	
9	3.0	L b 5	50°

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A.5653

19	3.0	a9
13	2.5	c9
12	1.0	b9
20	3.0	b9
21	1.0	c8
22	1.5	a9
14	3.0	b10
23	2.0	b7
24	2.5	a9
25	2.0	a8
26	2.0	b10
30	3.0	a7
31	2.0	d9
32	3.0	c10
33	2.0	b8

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1930phae.proj.23439

A.5653

34	3.0	bA
1	3.5	a10
7	4.0	b10
8	3.0	a9
b		two stars
27	3.0	bA
28	2.5	a9
29	2.0	b9

A.5371

3	2.0	c10

A.6909

H.N. 2020	2.0	b10
2021	3.5	cA
2025	2.0	b9
~~2026~~		
~~2028~~		

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1930phae.proj.2341M

A. 6909

H.N. ~~2031~~			
~~2032~~			
2044	1.5	c 10	
2046	2.5	b 7	
2048	2.0	a 10	
2049	2.0	b 9	
2056	2.0	c 9	
2057	6.0	a 2	160°
2059	2.0	a 9	
2060	2.0	c 9	
2061	2.0	b 9	
2062	2.0	c 9	
2063	2.0	a 10	
2064	1.5	a 10	
2065	1.5	b 10	

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1930phae.proj.2343M

A. 6909

H.N. 2070	2.5⁻	a 9
2071	1.5⁻	c 10
2072	1.0	b 10
2075⁻	2.0	b 8
2077	2.0	b 8
2079	2.0	b 9
2080	1.5⁻	c 10
2081	1.0	b 10
2083	2.0	c 10
2084	2.0	a 9
2085⁻	1.5⁻	a 9
2087	1.0	b 10
2089	1.0	a 10
2091	1.0	b 8
2093	1.0	a 10

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1930phae.proj.2341M

A: 6909

H.N. 2098	1.5		b10
2102	2.0		a9
2103	1.0		b10
2104	1.0		a10
2110	2.5		c9
2111	2.0		a9
2117	1.0		b9
2121	1.0		b10
2127	1.5		a10
2128	1.0		b9
2129	1.5		b10
2131	1.5		a10
2137	1.0		a10
2141	1.0		c10
2144	5.0		a8

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1930phae.proj.2341M

A. 6909

H.V. 2147	3.0	2 b 5-	50°
2150	1.0	c 10	
2160	2.0	b 8	
2163	1.0	d 10	
2166	2.0	b 10	
2167	1.5-	i c 9	
2168	1.5-	c 9	
2171	2.0	b 9	
2177	1.5-	a, 10	
2179	1.0	b 10	
2186	2.0	a 7	
2192	1.5-	b 8	
2193	1.0	d 10	
2194	3.0	b 8	
2195	1.0	e 10	

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1930phae.proj.23

		A.6909	
H.N. 2196	2.0	a5	120°
2198	1.5	a9	
2202	2.0	c6	
2206	1.0	b7	
2209	1.5	d9	
2217	1.5	b9	
2219	1.0	b9	
2220	1.0	c10	
2222	3.0	a7	
2223	2.0	a7	
2226	1.5	b10	
2230	2.0	d8	
2232	2.5	a5	100°
2234	2.0	b8	
2240	1.5	c9	

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		A.6909
H.N.2241	1.0⁻	d9
2242	1.0	b9
2244	2.0	a8
2247	2.0	b7
2250	2.0	d7
2251	2.0	c8
2252	2.0	b7
2277	1.0⁻	c9
2282	1.0	b10
2290	2.0	b8
2291	2.0⁻	c6
2292	2.0	a10
2293	1.0⁻	c9
2301	4.0	c10
2304	1.5	b10

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1930phae.proj.2341M

A.6909

H. N. 2312	1.0⁻	a 10	
2315	2.0	b 10	
2323	2.0	a 8	
2338	3.0	c 8	
2341	3.0⁻	c 7	
2343	6.0	L ε 4	25⁻⁰
I. C. 4875	2.0	c 10	
4876	3.0	c 10	
4877	3.0	d 10	
4879	3.0	b 9	
4886	2.0	d 10	
4888	2.5⁻	c 9	
4889	3.0	f 7	
4891	2.0	c 9	
4894	3.0	i b 7	

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1930phae.proj.234M

			A.4909	
I.C.4897	2.5		c 9	
4900	1.0		b 7	
4907	2.0		c 8	
4909	3.0		d 8	
4911	1.5		b 9	
4914	2.0		a 10	
4915	1.0		f 10	
NN. 1	2.0		c 9	
3	1.5		b 9	
4	6.0		b 4	170°
			A.7377	
1	2.0		a 8	
2	1.5		b 9	
3	1.5		b 9	
4	2.0		a 9	
5	2.5		a 8	

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A. 7377

6	2.0	b8	
7	1.5	b10	
8	2.0	c10	
9	2.0	a9	
10	2.0	a10	
11	2.0	a9	
12	1.5	a7	
13	2.0	b10	
H.N. 2450	3.0	c10	
2452	5.0	b8	
2456	2.0	b10	
2458	2.0	c8	
2466	7.0	2 c5	15°
2467	1.5	b10	
2473	2.0	a8	

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1930phae.proj.234M

A. 7377

H.N. 2484	2.0		a 7
2486	2.0		c 7
2491	2.0		c 10
2492	3.0		c 8
2496	2.5		b 10
2500	3.0		c 8
2507	2.0		b 8
2511	1.5		a 8
2515	2.0		b 10
2521	1.5		b 9
2525	2.0		a 8
2528	2.0		b 9
2531	1.5		b 10
2534	2.0		b 9
2538	1.0		c 10

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1930phae.proj.2344M

A. 7377

H.N. 2544	1.5		b10	
2545	2.0		b8	
2546	2.5		a9	
2548	1.5		a9	
2549	2.0		b10	
2551	1.0		a9	
2555	1.5		2d5	170°
2556	1.0		a8	
2558	2.0		a10	
2566	2.0		a10	
2569	1.5		b10	
2571	1.5		a10	
2575	1.5		a10	
2584	1.5		a9	
2593	1.0		b10	

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1930phae.proj.2341M

A. 7377

H.N. 2594	2.0		b10
2595	3.0		b8
2598	3.0		a9
2599	2.0		a7
2601	2.0		b10
2602	1.0		a9
2605		asteroid trail	
2606	2.0		b10
2607	1.0		d10
2611	1.5		b10
2612	1.5		b8
2613	1.5		b10
2614	2.0		a10
2620	2.0		a8
2624	1.5		b10

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1930phae.proj.23477M

A. 7377

N.N. 2630	2.5	b7	
2632	2.0	a5	140°
2633	1.5	c10	
2634	1.5	b10	
2637	1.5	b10	
2647	1.0	c10	
2652	2.0	b10	
2657	2.5	b8	
2683	2.0	a10	
N.G.C. 6984	6.0	i b7	
7007	2.5	b10	
7022	3.0	b9	
7064	19.0	b2	95°
7090	95.5	Z c2	140°

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1930phae.proj.2341M

A. 7497

1	1.5-	bA
2	2.0	a9
3	2.0	a9
4	2.0	a9
5-	1.0	aA
6	1.5-	b10
7	2.0	aA
8	2.0	aA
10	2.0	a9
13	2.0	a9
15-	1.5-	a9
16	2.5-	b10
17	2.0	a9
19	2.0	a10
20	2.0	aB

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1930phae.proj.2341M

			A. 7497	
23	1.0		a9	
24	1.5		a9	
25	2.0		b9	
26	1.5		a10	
27	1.0		b10	
28	1.0		b10	
29	2.0		a8	
31	1.5		b10	
32	1.5		a10	
34	2.0		a10	
39	4.0		a6	
40	1.0		b9	
41	2.0		a9	
42	4.0		a5	150°
44	1.5		b9	

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1936phae.proj.2441M

A. 7497

H.N. 2600	3.0		a 10
2609	3.5⁻		a 6
2610	3.0		a 9
2616	2.0		a 9
2618	2.0		a 10
2621	1.5⁻		b 10
2622	2.0		a 10
2623	2.0		a 10
2625⁻	2.0		a 7
2627	2.0		b 9
2628	1.0		b 10
2631	2.5⁻		a 10
2635⁻	1.5⁻		a 10
2636	1.0		a 9
2638	1.5⁻		b 9

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1930phae.proj.2341M

A. 7497

H. N. 2639	2.0		a10
2640	1.5		b10
2641	2.0		a9
2642	1.5		b10
2643	1.0		a10
2645	3.0		a9
2646	2.0		b9
2647	2.0		a8
2649	1.5		b10
2650	1.0		a10
2651	2.0		a10
2656	1.5		a10
2658	1.0		c10
2660	2.0		a8
2661	2.0		a9

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1930phae.proj.2347M

H. 7497

H. N. 2662	1.5	a 10
2664	1.5	a 10
2665	1.5	b 10
2667	1.0	b 9
2668	1.0	b 10
2669	1.5	a 10
2671	1.5	b 9
2675	3.0	c 6
2676	2.5	b 10
2677	1.0	c 10
2678	3.5	b 10
2679	1.5	b 9
2680	2.0	a 9
2681	2.0	b 10
2682	1.5	b 9

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1930phae.proj.2341M

A.7497

H.IV. 2684	2.0	b10
2685	1.5	a10
2686	2.0	a7
2687	2.0	a9
2690	2.0	a10
2691	1.5	a10
2692	1.0	a9
2693	1.5	b10
2694	2.0	a9
2695	2.0	a9
2696	2.0	b9
2697	1.5	a10
2698	2.0	a9
2699	2.0	b9
2702	1.0	b10

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1930phae.proj.2341M

A.7497

H.N. 2703	3.0		a 8
2704	2.0		a 10
2705	1.5		a 9
2706	1.0		c 9
2707	1.5		b 10
2708	2.0		b 9
2709	1.0		b 9
2710	1.0		a 10
2711	1.5		c 10
2712	1.0		a 8
2713	1.0		a 10
2714	1.0		b 8
2715	1.0		a 10
2717	1.0		a 10
2720	2.0		b 10

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1930phae.proj.2341M

		A.7497
H.N. 2721	1.0	b10
2722	1.0	a10
2724	1.5	a9
2725	1.0	b10
2727	1.0	b10
2728	2.0	a10
2730	1.0	a9
2734	3.0	d: c8
2735	2.0	a8
2736	2.0	b9
2737	2.5	b9
2739	1.5	a9
2740	2.0	a10
2748	1.6	b9
2751	2.0	a6

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1930phae_proj_2343M

A. 7497

H.N. 270-2	2.5, 2.0, 1.5-		{ca, ca, ca a10}	triple nebula
270-3	1.0		a10	
270-4	3.0		b5-	120°
270-6	2.0		a7	
2757	1.0		a10	
2758	2.0		b10	
2760	1.5-		c10	
2761	1.0		b10	
2764	1.0		a10	
2765	1.0-		b9	
2766	1.0		b10	
2767	1.0		a9	
2768	2.0		b8	star ?
2771	1.5		b9	
2772	1.5-		a8	

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1930phae.proj.23338

H.N.		A. 7497
H.N. 2773	2.0	b8
2775	1.5	b9
2777	1.5	a10
2779	1.5	b9
2780	1.0	a10
2782	2.0	a10
2784	1.5	b9
2787	2.0	a8
2788	1.0	a10
2789	1.5	b10
2790	2.0	a8
2791	2.5	b9
2792	2.0	a9
2793	2.0	ic8
2794	2.0	b8

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1999phae.proj.22.in

A.7497

H.N.2795	2.0		b9
2797	2.5		d7
2798	1.0		d10
2799	1.0		a10
2800	1.0		a10
2801	2.0		a9
2802	2.0		b8
2804	1.0		b10
2805	1.0		a10
2806	1.0		b9
2807	1.5		a10
2808	2.0		d9
2812	1.5		c9
2813	2.5		a9
2819	2.0		a9

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1930phae.proj.2344M

A. 7497

H.N. 2F20	1.0	a10
2F21	1.0	b10
2F22	2.0	a10
2F23	1.5	b10
2F24	1.0	b10
2F26	2.5	b10
2F27	2.0	ab
2F28	2.0	a10
2F30	1.0	b9
2F31	1.5	a9
2F32	2.5	a6
2F33	1.5	i a6
2F34	1.5	i b9
2F36	2.0	a8
2F37	2.0	a10

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1930phae_proj_2341M

		A. 7497
H.N. 2838	3.0"	a7
2844	3.0	a9
2845	3.0"	a9
2847	5.0	a7
2850	3.0"	b10
N.G.C.	1	
7106	5.0"	c8
7124	13.0	Sd7
7151	17.0	c6
7155	6.0	b6
IC. 5129	2.0"	E10
		A. 7698
7	1.0	a9
16	3.0	a8
17	2.0	a7

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1930phae.proj.2343M

		A. 7698	
H.N. 1650	3.5	b9	
1651	2.0	a8	
1652	2.0	a7	
1653	2.0	b10	
1654	2.0	a10	
1655	2.0	b9	
1656	2.0	a9	
1657	2.5	b9	
1658	10.0	a4	120°
1659	2.0	a9	
1660	2.5	b10	
1661	1.5	b9	
1662	1.5	a9	
1663	2.5	c9	
1664	2.5	a8	

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1930phae.proj.2344M

A. 7694

H.N. 1665	3.0	a 7	
1666	1.5	b 9	
1667	2.0	B 8	
1668	3.5	a 8	
1669	2.5	a 9	
1670	3.0	b 7	
1671	2.0	a 8	
1672	3.0	a 9	
1673	4.0	b 9	
1674	2.5	b 9	
1675	5.5	b 2	30°
1676	1.0	c 10	
1677	2.5	c 9	
1678	2.0	b 10	
1679	1.5	b 10	

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1930phae.proj.2341M

			A.1769		
H.N. 1680	5.0		a6		
1681	3.5		a5		70°
1682	1.5		c8		
1683	1.5		a10		
1684	2.5		a9		
1685	2.0		b8		
1686	1.5		a9		
1687	2.0		a8		
1688	1.0		b10		
1689	4.0		a5		40°
1690	2.0		a10		
1691	2.0		b10		
1692	2.0		a7		
1693	1.5		a8		
1694	2.0		a8		

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1930phae.proj.2344M

		A. 7694
H.N. 1695	2.0	a6
1696	3.0	a9
1697	2.0	a8
1698	2.0	a10
1699	1.0	a9
1700	2.0	b9
1701	1.0	b9
1702	1.0	b10
1703	2.0	b10
1704	3.0	b8
1705	1.0	a9
1706	2.0	a9
1707	1.0	b10
1708	1.0	a9
1709	3.0	a7

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A.7698

H.N. 1710	3.0	a8
1711	2.0	b8
1712	1.5	b9
1713	2.0	b9
1714	1.0	b9
1715	2.0	a10
1716	2.0	b10
1717	1.5	a10
1718	1.5	a10
1719	2.0	b10
1720	2.0	a9
1721	3.0	b10
1723	2.0	a9
1724	1.5	a10
1725	1.5	a10

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1936phae.proj.2344M

H. 769f

H.N.1726	2.0	a10	
1727	1.0	a9	
1728	1.0	b10	
1729	3.0	b10	
N.G.C. 5183	7.0	pSd2	110°
5184	5.0	Sb9	
5192	3.0	b8	
5196	1.5	b10	
5197	1.5	b9	
5200		star in nebulosity	
5202	3.0	a3	170.0
5211	3.0	f7	
5227	5.0	b8	
5259	1.5, 2.0	i68, i b9	double nebula
5258	2.0, 1.5	pS i68, b9	
5310		star in nebulosity	
5327	4.0	b10	

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1930phae.proj.2341M

A. 7698

I.C. 891	2.0		b8	
892	2.5		b10	
893	5.0		Lb3	-50°
903	1.5		b10	
904	2.0		b8	

A. 12370

N.G.C. 3324		diffuse nebula - stars involved		
3372		Great nebula, η Argûs		
3503	10.0	diffuse nebula - stars involved		
3576				
3579				
3581				
3582		diffuse nebulosity		
3584				
3586				
3603				

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1930phae.proj.2241M

A. 12370

I.C. 2599 — party of H. C. 33 24

Menzel

1047-58013 — 1.0 — a9

1050-5821.6 — 2.0, 2.0 — b7, b6 — double nebulae

1051-5754.8 — not seen

1051-5742.0 — three stars — (nebulous on A 6657)

1057-5955.0 — not seen

1059-60199 — not seen

A. 6657

1 — 2.0 — b7

A. 4320

K.b.C. 3199 — diffuse nebulosity

3247 — 1.0: — " — "

A. 2513

I.C. 2872 — 2.0 — b6

2944 — very bright star surrounded by nebulosity

K.b.C. 3699 — 5.0 — i b8:

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1930phae.proj.2344M

		A.6717	
2	3.0	2 c 5	30°
N.L. 1924	4.5	b 8	
		A.6750	
1	2.0	b 9	
2	2.0	c 10	
3	5.0	c 9	
		A.6751	
1	2.5	a 9	
a	3.0	b 6	
1351 – 5331.8	5.0	b 5	140°
1353 – 5314.4	2.0	c 10	
		A.7277	
a	3.0	a 7	

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1936phae.proj.2341M

A. 8374

11			
10		dyects	
9		dyect?	
b		dyect	
16	2.5		bδ
2	2.0		aq
3		dyect	
a	2.0		ac
13	2.0		aδ
H.N. 1722	3.0		b7
1730	4.0		a4	160°
1731	7.0		Lc2	90°
1732	2.0		bδ
1733	4.0		Lb4	60°
1734	5.0		S:bδ

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1930phae.proj.2344M

		A.8374	
H.N. 1735	5.0	a5	130°
1736	8.0	a5	130°
N.G.C. 5237	5.0	b10	
5244	3.0	b9	
		A.8383	
11	3.5	b7	
48	2.0	b8	
8	2.0	b9	
17	1.0	b9	
2	1.5	a8	
31	1.5	b10	
43	2.0	b7	
35	2.5	a8	
52	3.0	b7:	
H.N. 1855	2.0	a9	
1859	2.0	a10	

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1990phtce.proj.28:1W

A.8383

H.N. 1865	3.0	b9	
1867	1.0	a10	
1868	2.0	a9	
1871	1.5	a9	
1875	2.5	b9	
1881	2.0	b9	
1884	1.5	a10	
1888	4.0	a5	70°
1890	2.0	b9	
1892	1.5	b9	
1897	2.0	b10	
1898	1.5	a9	
1901	2.5	a7	
1902	1.5	a8	
1922	2.5	a8	

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1930phae.proj.234.M

			A.8923
H.N. 1927	3.5		b8
1973	4.0		a6
1975	2.5		a7
			A.8924
2	3.0		b7
4	1.0		b10
I.C. 4701		not seen	
4703		diffuse nebulosity	Cl. M. 16 involved
4706		star in nebulosity	
4707		" " "	
N.G.C. 6618		diffuse nebulosity	
			A.9021
6	1.5		b9
1	2.5		b7
b	3.0		a9
5	2.0		a8

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1990phao.proj.22430

		A.9021
2	2.0	b10
7	3.0	a7
3	2.0-	b6
4	3.0	c10
E	2.0	a9
δ	2.0	a9
9	7.0	b7
10	2.0	b9
11	2.0-	b8
ζ	1.0-	a10
12	6.0-	b7
ζ	3.0	a8
C	6.0	b9
I.C.4922		nebulous
4924	1.5	a10

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1930phae.proj.2343M

A. 9021

I.C. 4940		not seen		
4946	1.5	doubtful if have nebula meant	b 9	probably a star
4948		not seen		

A. 12037

1	2.0	d 9	
2	3.0	a 8	
I.C. 4636		nebulosity	

A. 12546

29	2.5	a 9	
129	3.0	b 9	
30	2.5	a 8	
26	7.0	b 7	
25	4.5	a 9	
24	3.5	b 7	
28	3.0	a 9	
27	2.5	b 8	

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1990phac.proj.2441M

A.12546

31	3.0		b7
39	3.5⁻		a9
75⁻	2.0		a9
c	2.0		a9
d	2.0		b9
76	2.0		a10
71	2.0		a8
78	1.5⁻		b8
77	2.0		b10
72	2.0		a9
23	3.5⁻		a8
b	2.0		a10
34	2.0		b10
74	1.5⁻		a9
81	2.0		b8

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1930phae.proj.234.TM

A.12546

73	2.0	b9
80	1.5	b10
130	2.0	a10
127	2.0	a10
169	1.5	a10
126	2.0	a9
125	2.0	b9
124	2.0	a9
~~150~~		
79	2.0	a7
134	2.0	a9
128	1.0	a10
140	2.0	a8
135	2.0	a9
173	1.0	a10

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1999phae.proj.224M

H. 12.5.46

139	1.0⁻	a9
138	1.0⁻	a10
171	1.0⁻	a10
172	1.0⁻	a10
190	1.0⁻	a9
174	1.0⁻	a10
176	2.0	a9
170	2.0	b10
165	1.0⁻	a10
133	1.0	b9
132	2.0	b10
131	2.0⁻	a9
167		star
168	1.0⁻	b10
166	2.0	b9

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1930phae.proj.2341M

A.12546

175	2.0		a9
189		= N.G.C. 24	
199	2.0		a9
198	2.0		a10
208	1.5		b9
207	2.0		a10
206	2.0		a10
209	1.5		a10
241	2.0		a9
243	4.0		a8
242	5.0		a7
240	5.0		a7
257	4.0		a8
253	7.0		a7
239	2.0		a9

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1930phae.proj.224.yyyy

A. 12.5-46

200	4.0	a 7	
222	2.0	a 10	
206	3.5-	a 8	
245-		star	
207		star	
253-		star	
252	2.0-	a 10	
244	2.0	a 8	
e		star	
238	2.0	a 9	
237	1.5-	b 9	
236	2.0	a 9	
213	1.5-	a 10	
203	1.5-	a 9	
204	3.5-	a 5-	95°

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1930phae.proj.234M

A. 12546

205	1.5	a 9
200	2.0	a 9
214	1.5	a 9
202	2.0	a 8
216		star
201	2.0	b 9
215	1.0	a 10
177	2.0	b 9
179	1.0	b 10
178	1.5	b 8
180	1.5	a 9
181	2.0	a 9
182	1.5	b 9
191	1.0	a 10
145	1.5	b 10

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1990phae.proj.224M

A.12546

184	1.5"		a10	
121	2.0		a10	
144	2.5		a5	30°
142	2.0		a10	
136	2.0		a9	
137	1.5"		a10	
152			star	
146	1.5"		a9	
141	2.0		a10	
143	2.0		b9	
246	3.0		a9	
249	2.0		a10	
248	1.5"		a9	
247	2.0		a10	
235"	1.5		a8	

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1930phae.proj.2341M

A. 12546

217		star
218	1.5	a9
220	2.0	a9
221	2.0	a10
234	3.0	a8
219	1.5	b10
203	1.5	a9
225	2.0	a8
233	1.5	b9
232	2.0	a9
250		star
229	2.5	a9
224	4.0	b6
223	2.0	a8
225	2.0	a9

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1990phae.proj.221M

A·12546

22P	2.0	a9
226	2.0	a9
194	3.0	a10
195	3.0	a6
196		star
227	2.0	a10
212	1.0	a9
205	2.0	b10
204	2.0	a9
230	2.0	a9
231	2.0	a10
161	2.0	a9
162	1.0	a10
18P	1.0	b10
157	1.0	a10

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1930phae.proj.2341M

A.12546

187	1.5	b10
184	1.5	a9
193	2.0	a10
191	1.5	a10
192	1.5	a9
197	1.5	a10
183	1.5	a10
186	2.0	a8
185	2.0	a8
193	2.0	a9
190	2.0	a8
148	2.0	a10
149	2.0	a10
89	1.5	b8
122	1.5	a10

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1930phae.proj.2211M

A.1254L

120	2.5-	a7
A2	2.0	a9
147	1.5-	a9
A5-	1.5-	a10
A7	1.0	b10
A8	1.5-	b10
A6	1.5	a9
98	1.5-	a9
90	1.5-	b9
a	1.5-	a8
69	1.5-	a10
A3	2.0	a9
A4	2.5-	a8
68	2.0	b9
96	1.5-	a10

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1930phae.proj.234M

A 12546

97	2.0		aq	
67	2.0		ap	
100	6.0		Li b4	60°
99	2.0		aq	
119	1.5		bq	
93	2.0		bq	
91	2.0		a6	
92	2.0		af	
95	2.0		aq	
70 a	1.5		bq	
70 b	1.5		b10	
94	1.5		bq	
123	1.0		b10	
156	2.0		a7	
154	3.0		Li c5	145°
160	2.5		bq	

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1930phae.proj.2341M

H.12 5 46

189	1.0⁻	b9
159	2.0	b9
114	2.0	a10
115⁻	2.0	b10
163		star
164 his	1.0⁻	b7
165⁻	1.0⁻	a8
106	1.0⁻	a10
62	2.0	a9
116	2.0	a9
117	1.0⁻	a10
118	1.0⁻	b9
66	1.0⁻	a10
101	1.0⁻	b10
58	3.0	b9

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1930phae.proj.234PM

A.12546

59	2.5	a9	
113	2.0	a10	
164	1.5	a9	
103	2.0	b10	
40	1.5	a9	
33	2.0	a9	
32	3.0	i a8	
34	2.0	a8	
37	3.0	a6	
35	3.0	b4	50°
36	2.0	a8	
22	2.0	b9	
21	2.0	b10	
21 bis	2.5	b9	
20	2.5	a8	

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1936phae.proj.2341M

A.12546

17	2.0⁻		b9	
16	3.0⁻		a7	
19			star	
102	1.0⁻		a9	
4	3.0		a10	
6	3.0		b7	
7	3.0		b7	
8	3.0		a7	
9	2.0		a8	
5	2.0		b9	
45	2.0		b10	
44	2.0		b10	
43		= I.C.5364		
54	7.0⁻		Lc⁻	155⁻⁰
55	-3.0		a8	

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1930phae.proj.234M

A. 129-46

65		star
64	2.5	a8
41	2.0	b8
42	2.0	a9
18	2.0	a10
13		= I.C. 5362
14	3.0	b9
15	3.0	a6
10	2.0	b8
11	3.5	a7
12		= I.C. 5363
a bis (C.D.B. coppia incerta)		star
60	2.0	a10
56	2.0	b10
57	1.5	b5

10°

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1930phae.proj.2341m

A.12546

107	1.5		a9
63	1.0		b10
61	2.0		c9
108			star
104	2.0		b9
103	2.0		a10
206		= N.G.C. 7	
209	2.0		a10
210	1.5		b10
211	2.5		b10
207	2.0		b7
112	2.0		a9
103	3.0		b8
111	1.5		a10
109			star

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1930phae.proj.2341M

A.12546

110	2.0		b9
208	3.0		a8
207	2.0		b10
46	2.5		b8
47	2.0		b10
50	2.0		a10
48	2.0		a9
49	2.0		a10
51	1.5		b10
52	2.0		a9
53	2.5		a10
1	3.0		a7
2	3.0		b8
3	4.0		a7

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1930phae.proj.234M

			A.12546	
I.C.5362	3.0		b8	
5363	2.5		b9	
5364	2.0 2.0	double	a10, b10	
N.G.C.7	6.0		i b2	20.0
24	21.0		L c2	50.0
			A.2748	
H.N. 2134-3953.1	4.0		b5	160.0
2135-4012.6	8.0		b4	140.0
			A.2755	
H.N. 2135-3917.1	4.0		b5	10.0
2137-3904.9	2.5		b8	
2137-3933.5	2.5		a8	
2137-3924.5	2.5		a8	
2138-3938.4	3.5		b8	
2140-3940.0	2.0		a9	
2140-3942.4	3.0		b9	

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1930phae.proj.234PM

		A. 2755
AN. 2140 – 3900.6	2.0	b10
2140 – 3940.4	2.0	a9
2140 – 3924.8	2.0	a9
2143 – 3936.7	2.0	a9
2143 – 3907.1	2.5	a8
2143 – 3930.9	3.0	a8
2143 – 3815.0	2.0	b9
2144 – 4129.8	3.0	a10
2144 – 3752.4	2.0	a10
2145 – 3903.0		not seen
2146 – 3845.4	2.0	a7
2146 – 3807.1	1.5	a8
2147 – 4154.1	2.0	a10
2147 – 4156.5	2.0	a10
2147 – 3931.6	1.5	a10

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1950place.proj.28.tsv

H.N.		A.2755		
2148 – 4032.2	2.0	a7		
2148 – 3909.8	2.0	a8		
2148 – 4013.0	1.0	a7		
2149 – 3809.5	2.0	a9		
2149 – 4014.5	1.0	a10	surrounded by faint nebulosity?	
2150 – 4027.8	2.0	a7		
2151 – 3843.5	3.0	b7		
2151 – 4053.7	5.0	a3		80°
2151 – 3838.8	5.0	Lb3		175°
2151 – 3837.8	3.5	a7		
2151 – 3953.3		not seen		
2152 – 3919.1	3.0	b10		
2152 – 3957.8	2.5	a7		
2153 – 4124.5	3.0	a8		
2154 – 4025.1	2.0	a8		

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1930phae.proj.2341M

A.2755

N. 2154-4104.9	1.0		b10	
2155-3941.3	2.5		b10	
2155-4134.9	2.0		a9	
2155-4014.2	2.0		i b8	
2155-3754.5	3.0		c8	
2155-3754.1	2.0		b10	
2156-4134.3	5.0		f10	
2156-4133.7	2.0		b9	
2157-3911.9	3.0		a10	
2157-3932.9	2.0		a9	
2157-3904.9	5.0		b5	130°
2158-4144.7	2.0		b10	
2158-4130.4	1.5		b10	
2200-4114.4	4.0		b9	
2200-3924.5	3.5		a10	

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1950place.proj.284M

H.N.		H.270-5
2202-3841.8	4.0	a6
2204-3808.0	3.0	a9
2206-3839.9	3.5	b7
2206-3837.1	3.0	b9
2208-4109.4	3.0	a10
2208-3918.0	2.5	a8
N.N.26	2.0	b8
24	3.0	b6
23	3.0	a8
10	3.5	a10
9	2.5	a8
6	2.0	a10
7	2.0	a9
4	3.0	a10
12	1.5	a8

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1930phae.proj.2341M

			27 5̄ 5̄
20	3.0		a8
13	2.0		a9
14	2.0		a6
15̄	2.5̄		a6
16	2.0		a10
17	1.5̄		a10
18	2.0		a9
19	3.0		a9
1	4.5̄		b7
5̄	2.5̄		a9
4	2.0		a10
2	2.0		a9
3	2.5̄		a8
			A. 12575̄
24	2.0		a9

N.G.C. 6655̄

not seen

I.C.

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1950place.proj.2841M

A.13017

3	10.0	planetary nebula? appears to be star in center with ring around edge.		
1	2.0		a8	
17	0.0		b9	
20	1.5		a8	
21		star? checked as nebula by N.S.		
11	2.0		b7	
9	4.0		a8	
7-?	22.0		pL b2	60°
5-?	7.0		a7	
14	3.0		a7	
18	3.0		a4	100°
8	2.0		a8	
19	3.0		a9	
10	2.5		b7	
IC.4538	12.5		b9	

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1930phae.proj.2341M

A.13017

N.G.C. 5898	2.5	a6:	images elongated
5903	2.0	a7:	

A.13035

1	1.5	b8	
3		dgeck	
4		dgeck	
2		star	
d	1.0	a7	
9	2.0	a9	
8	1.0	a9	
5	1.5	b10	
6	1.5	a10	
9	2.0	b8	
m	1.5	a9	
I.C. 3253	11.0	a5	20°

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1990phae.proj.224M

		A.13035	
H&C 4304	4.0-	ic 9	
4574	3.0	a 8	is this the correct object ?
		A.13039	
13a	2.0	b 7	
13b	1.0-	a 8	
12	3.0-	a 6	
1	3.0-	a 7	
3	2.0	a 9	
41	2.0	a 10	
4	2.0	f 9	
24	2.0	a 9	
25-	1.0	a 10	
26	1.0	a 10	
14	2.0-	a 10	
15	3.0	b 8	

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1930phae.proj.234M

A.13039

E			star	
34	4.0		a5	130°
35	1.5		a9	
27	4.0		a9	
32	2.0		i b8	
36	5.0	annular nebula ?		
33	3.0		a7	
37	2.5		a 10	
28	2.0		a9	
h	1.5		a8	
38	25		b9	
16	1.0		a10	
f	3.0		a9	
11	2.5		b8	
10	2.0		b9	

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1930phae.proj.2341M

A. 13039

9	2.0	b9	
30	3.0	b7	
29	1.0	b10	
43	1.5-	a9	
44	1.0	a9	
h	3.0	a7	
31	2.5-	cp	
42	1.0	a9	
m	1.5-	ap	
6	2.0	a7	
17	2.0	b7	
18	4.0	ap	
19	1.5-	b9	
20	3.0	Lb5-	40°
22	1.5-	a9	

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1930phae.proj.2341M

		A. 13039
23	1.0	a10
7	2.0	i c d
C.D.B doubtful these are nebulae d	1.5"	a 9
21	1.5"	a 9
2	2.0	b 9
a	2.0	a 9
5	1.5"	b 7
6	1.5"	b d
b	4.0	a f
40	2.5"	a f
I.C. 4411		nebulous
4430	2.0	d 7
		A. 13045"
1	2.0	b 10

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1930phae.proj.2344m

A.2184

~~1~~			
~~2~~			
~~3~~			
~~4~~			
6	3.0	af	
21	2.0	ag	
5	2.0	af	
22	2.0:	b 7:	images badly elongated
23	4.0	a7	
24	4.0	ag	
32	5.0	af	
45	4.0	af	
46	1.0	ag	
33	3.0	a10	
~~48~~			

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1930phae.proj.234.jpg

A.2184

~~54~~				
~~55~~				
~~56~~				
~~57~~				
57	2.5		b10	
~~58~~				
I.C. 1505	4.5		b8	
N.G.C. 205	50.0		d6	
206	20.0:	diffuse - within Andromeda nebula		
221	12.0		c9	
224	12 cm cm	Andromeda nebula	Sd3	35°
N.N. (cont.) 58	2.0		a7	
59	1.5		a8	
60	3.0		a9	
61	11.5		a6	

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1936phae.proj.234.tif

A.2184

62	2.5-		a7
63	0-.0		a9
64	3.0		a7
65	2.0		a10
66	2.0-		a7
67	0-.0		a7
68	4.0		a8
69	3.0		a9
70	0-.0		a9
71	3.0		a9
72	3.5-		a10
73	2.5-		a8
74	1.5-		a9
75	1.5-		a9
76	1.0		b8

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1930phae.proj.231M

A. 2184

77	2.0	a 9	
78	2.0	a 9	
79	2.0	a 9	
80	1.5	b 10	
81	2.5	a 9	
82	1.5	a 9	
83	1.5	a 8	
84	1.5	a 9	
14	3.0	b 8	
37	1.5	b 9	
31	2.0	a 9	
39	1.5	b 10	possibly annular?
10	2.5	a 8	
18	1.5	b 9	

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1999phao.proj.2241M

A.1265-2

114	1.5	ibq	
115	1.5	a10	
116	1.5	a10	
118	1.0	b10	
119	1.0	a10	
120	1.5	a10	
121	2.0	bq	
122	2.0	bP	
123a+b	1.5, 1.0	bP, bq	
124	1.0	aq	
g	5.0	Lb5	150°
125	1.0	aP	
126	3.5	cq	
127	1.5	bq	
128	2.0	a10	

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1930phae.proj.234M

A.1265R

129	1.5	b10
130	2.0	b8
131	1.0	a10
132	1.5	b10
133	2.0	a10
135	2.0	a9
136	1.5	b10
137	2.0	b9
138	1.0	a9
139	3.0	b9
140	2.0	c8
141	1.5	b9
144	1.5	b10
145	2.0	b9
146	1.5	b10

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1930phae.proj.2344M

A. 12652

148	1.5		a10
149	1.0		a10
150	1.0		a10
151	3.0		b8
152	1.5		b9
153	1.5		a10
154	1.5		b10
155	1.5		a8
157	1.5		b9
159	2.0		a7
160	1.5		a8
161	1.0		a8
162	1.5		a8
163 a+b	1.5, 2.0		a10, a10
164	2.0		b9

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1930phae.proj.231M

A·1262·2

165	5.0		Lb4	130°
166	1.0		b9	
167	1.0		b10	
168	1.5		a10	
169	1.5		a9	
170	3.0		a10	
171	2.0		a9	
172	2.0		a8	
173	2.5		a9	
174	2.5		a9	
175	2.5		b10	
176	2.5		ib6	
177	3.0		b6	
178	2.0		a8	
179	1.5		b10	

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1930phae.proj.234M

A.12657

181	2.0		bA
182	2.0		a9
183	2.0		aA
184	1.5		b10
185	1.5		a9
186	2.0		bA
187	2.0		a9
188	1.5		a10
189	1.5		a10
190	2.0		a9
50	2.0		a9
51	2.0		b10
52	2.0		b9
53	2.0		a9
54	1.5		a9

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1930phae.proj.2341M

A.12652

55	1.5		a10
56	1.5		b9
158	1.0		a9
237	1.0		a10
8	3.5		b7
c	2.5		a8
7	2.5		b8
220	2.5		a9
221	2.5		b9
d	2.5		a9
260	2.5		b10
261	2.0		a10
ε	2.5		i b9
39	2.5	nebula + star	a7
10	2.5		a9

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1930phae.proj.2341M

A·12652

6	4.5	defects ? Not appear very faint on A·13099	b10
5	4.0		c10
4	4.5		ib2
8	2.0		a9
11	2.5		b7
12	4.0		c7
13	2.0		a9
14	3.0		a10
15	2.0		a2
16	2.0		b10
17	2.0		a9
34	2.0		a9
35	4.0		2c5
36	1.5		a9
37	3.0		a8

170°

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1930phae.proj.231M

A.1265-2

3F	2.0	b10
4F and 6	1.5, 1.5	b9, a9
47	2.0	a7
222		faint stars
33	1.5-	b10
32	1.0	a10
3	4.0	a9
1F	1.5-	a10
19	1.5-	a10
223	1.5	a10
71	1.0-	a10
70	1.0-	a9
26	2.0	ib10
225-	2.0	a10
22F	2.0	b9

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1999phac.proj.284M

A. 12652

226	2.0		b9
233	1.5		a9
227	1.5		a9
229	2.0	star	b10
28	2.0		b9
29	4.0		b6
27	2.5		a9
30	1.5		a9
20	2.5		b9
25	2.0		b8
231	1.0		b9
230	2.0		a9
23	2.0		a10
228	2.0		b9
2	4.0		a8

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1930phae.proj.2341M

A.1265-2

21	2.0	a9	
22	2.0	b9	
20	2.5-	b7	
1	0.0	a6	
A6	2.5-	a9	
89	2.5-	a9	
90	2.0	b9	double?
A7	2.0	c8	
A8	2.5-	b8	
92	2.0	a9	
A3	3.0	a8	
A2 a	1.5-	b9	
97	1.5-	a10	
f	2.0	a9	
A2 b	1.5-	b9	

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1990phao.proj.2241M

A.12652

99	1.5		C10	
98	1.5		a10	
76	1.5		a9	
75	1.5		a10	
235	1.5		a9	
81	1.5		a8	
98	2.0		a7	
102	5.0		Libs	120°
99	4.0		pLb4	100°
103	3.0		a6	
100	2.5		b7	
102	1.5		a9	
101	1.5		a8	
104	1.0		b9	
74	1.5		b9	

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1930phae.proj.234M

A. 12652

110	1.0		a10
72	1.0		b10
73	1.0		d10
234	1.0		a10
109	1.0		a10
67	2.0		b9
237	1.0		a10
113	1.5		a9
94	2.0		a8
79	2.0		b9
65	1.5		a10
64	1.5		a9
69	1.5		a9
66	1.5		b9
117	2.0		a8

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1930phae.proj.234M

A. 1265-2

63	2.0		b7	
62	4.0		a9-	170°
61	1.0-		b10	
59	2.0		a7	
58	3.0		b7	
60	2.0		a10	
40	2.0-		b10	
45	2.0		a6	
43	2.0		a6	
41	3.0		a9	
42	2.0		b9	
140	3.0		b9	
210-	3.0		a10	
216	2.0		a9	
214	3.0		a9-	100°

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1930phae.proj.2341M

A. 12652

212	2.0		a 7	
213	2.0		a 7	
211	1.5		a 9	
191	2.0		a 10	
192	2.0		b 9	
134	2.0		a 5	25°
210	2.0		a 9	
242			star	
209a	1.5		a 8	
209 b	1.5		a 8	
240	1.5		a 10	
208	2.0		i 67	
206	2.0		b 6	
194			faint star	
193	1.5		a 8	

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1930phae.proj.2343M

H.1260-2

236 a	1.0	af
111	1.0	a7
106	1.0	a9
107	1.0	b9
108	1.0	a8
196	2.0	af
195	2.0	a9
201	1.0	af
194	1.0	b10
199	2.0	b6
200	2.0	af
250	2.0	a10
251	2.0	af
260	2.0	af
219	2.0	a9

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1930phae.proj.234M

A. 1265-2

203	4.0		b5	0°
204	2.0		a7	
205	2.5		a5	70°
217	3.5		b1	
218	2.0		b7	
207	2.0		b10	
236 B	2.0		a8	
235	2.0		a10	
233	2.0		a8	
232	1.5		a9	
231	2.5		a6	
230	3.0		b7	
246	1.5		a9	
249	2.0		a9	
248	1.5		b9	

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1930phae.proj.2343M

		A. 12652	
247	2.0	a8	
245	2.0	a9	
243	3.0	a6	
244	3.0	b7	
245	3.0	b7	
246	3.0	b8	
247	2.0	b9	
248	2.0	b8	
249	4.0	a6	
63B	6.5	L f4	40°
		A. 4342	
2	2.5	b8	
6	2.0	b10	
7	4.0	i a9	
16	2.0	a8	

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1930phae.proj.231M

A.4342

19		two stars	
22	2.0	a 9	
23	2.5-	b 9	
24	2.0	a 9	
26	1.5-	b 8	
27	1.5-	a 9	
28	2.0	a 10	
29	1.0	b 9	
31	2.0	i b 7	
33	3.0	a 9	nebula?
34 a	2.0	b 9	
b	2.0	b 7	
35-	2.0	a 9	
36	2.0	i b 9	two stars?
37 a	2.0	b 9	
37 b	2.0	b 10	

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1930phae.proj.2343M

H. 4342

38	1.0-	b9
39	2.0	a9
39	2.0	b9
41	1.5-	a7
44	3.0	a9
91	2.0	b8
92	1.5-	b10
48	2.0	a8
C	2.0	a10
49	1.0-	b8
50		star
52	2.0-	b8
53-	2.0-	i69
56	2.0-	b8
57		star

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1930phae.proj.2341M

A.4342

59	2.0		b7		
E	3.0		a9		
59	2.0		b8		
60	3.0		a5		10°
61	2.0		a7		
62	3.0		b5		
63	2.0		b9	star?	
64	2.5		a7		
65	4.0		a8		
g			I.C.2580		
66			star		
67	3.0		a10		
75	4.0		b6		I.C
76	3.0		b4	star?	40°
81	5.0		b8		

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1936phae.proj.2343M

			A.4342
A2			two stars
A3	2.0		b9
A4	2.0		a9
A5	2.0		a8
A6	1.5		a10
A7	1.0		a9
A8	1.0		a10
90	2.0		a10
93	2.0		a10
95			star
96	2.0		a9
97	2.0		a9
IC.2532	3.0		b8
2533	4.0		b6
2534	2.0		b9

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1930phae.proj.2341M

A. 41342

I.C. 2536	8.0	b3		40°
2538	3.5	b9		
2539	8.0	Lc3		30°
2545	2.0	ib9		
2546	2.0	a8		
2548	2.0	a9		
2552	2.5	c9		
2555	12.0	Lb2		40°
2556	10.0:	b7	diffuse	
2558	4.0	Lb5		20°
2559	2.5	b8		
2560	9.0	Le6		
2563	4.0	ia6		
2570	4.0	ia7		
2571	not seen - near N.G.C. 3223			

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A.4342

I.C. 2573	4.0		ia 6	
2579	2.0		b10	
2576	2.5		b18	
2578	6.0		a4	140-0
2580	A.0:		b9	diffuse
2584	4.0		b8	
2585	4.5		b7	
2587	4.0		b7	
N.G.C. 3087	3.5		b8	
3095	10.0		b7	
3100	10.0		b8	
3103		not seen		
3108	3.0		b8	
3120	4.0		c9	
3157		not seen		

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A.4342

Kb.C.	3223	17.0	E9	= I.C. 2571 ??
	3224	2.0	b9	
	3241	7.0	E8	
	3249	4.0	ic 9	
	3257	4.0:	b7:	near edge of plate images elongated
	3258	5.0:	b7:	
	3260	4.0:	a6:	
	3267	4.0:	b7:	
	3268	4.5:	b7:	
	3269	4.0:	a7:	
	3271		intercm	= I.C. 2585 ??
	3273	4.0:	b7:	
N.N.	21	3.0	b7	
	67	2.0	a9	
	73	3.0	b7	

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1930phae.proj.2341M

			A. 4534	
3	5.0		b3	50°
~~7~~				
No. C. 5938	8.0		E8	
T.C. 45341	5.0		b6	
45-71	7.0		Ld3	140°
			A. 6604	
21	2.0		a9	
22	1.5		a9	
27	2.0		a9	
25	1.5		a9	
24	1.5		a10	
17	1.5		b9	
16	1.5		a8	
15	2.0		a9	
9	1.5		a10	
5	2.0		b9	

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1930phae.proj.2314M

A.6604

30	2.0	a8	
7	1.0	a9	
10	1.5	a10	
13	1.5	b8	
14	1.5	a9	
28	2.0	b8	
20	2.0	a10	
19	3.0	a4	20°
18	2.0	a 10	
12	1.5	a9	
I.C. 5380	3.0	b7	
5382	3.0	d10	
1532	7.0	b4	80°
N.G.C. 7733	5.5	i E6	
7734	3.0	d8	

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1930phae.proj.2344M

A.4615

2	2.0		a 7
4	2.0		a 8
3	2.0		b 9
5	1.0		b 10
1	1.5		a 9
7	1.5		a 9
10	2.0		b 9
8	2.0		b 10
23	1.5		a 9
11	1.0		b 10
14	1.0		b 10
36	2.0		a 9
15	2.0		a 8
16	2.0		b 10
18	2.0		b 9

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1930phae.proj.2341M

A.4615

19	3.0	a6
24	2.0	a9
28	3.0	a6
26		star
27	2.0	a8
23	2.0	b9
21	2.0	b8
33	1.5	a9
31		star
32	2.0	a9
I.C. 5232	2.5	a9
5234	2.0	a9
5235	1.5	d8
5236	1.5	d8
5245	2.0	a9

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1930phae.proj.2941M

		A.4615		
IC. 5246	3.0	b9		
5247	4.0	b7		
5249	16.0	b1		10°
5250	2.5-2.5	b8, b8	double nebula	
5252	2.0	c10		
5256	2.0	b9		
5257	2.0	b10		
5263	2.5-	b9		
5266	12.0	L b2		30°
5272	2.5-	b9		
5277	1.5-	b10		
5279	2.5-	c?		
5280	1.5-	b9		
5286	2.0	a8		
5288	1.5-	b9		

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1930phae.proj.2341M

A.4615

N.G.C. 5302	2.0	b10	
5320	2.0	i b9	Error in positions of N.G.C.?
5322	2.5	b9	
5323	2.0	b9	
5324	1.5	a9	
5333	6.0	b7	
5335	3.0	b8	
5339	3.0	b9	
N.G.C. 7329	18.0	E6	in nebulosity
7354	7.0	L E5	170°
7417	2.4	c8	
7633	2.0	b10	
7635	2.0	b10	
7661	7.0	b9	
7697	3.0	a10	

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1930phae.proj.2941M

A.J. 731

A	3.0	a9
37	2.5	a8
33	2.0	b9
4	4.0	a9
47	7.0	d9
45	2.0	e9
41	3.5	a8
34	2.0	b10
36	2.5	b9

nebulosity

d.f. Transferred to 72119. Ann. Ob. 3 p. 55

h	3.0	a9
12	2.0	e10
50		star
49	2.0	b8
B.C. 420		nebulosity?
429		nebulosity

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1930phae.proj.234M

A. 5731

I.C. 428		nebulosity
429	3.0	" C 6
430		nebulosity
Swanford D 42119		
H.D.C. 1924	6.0	E 9
1973		Taurus nebulosity (part of Orion)
1975		" " "
1976		Orion nebula
1977		nebulosity (part of Orion)
1980		" " "
1982		" " "
1999		star involved in nebulosity

A. 2119

22	1.5	a 9
E	1.0	a 10
34	1.5	a 10 star

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1990phae.proj.224M

			A. 2155		
defect 4	~~2.0~~		~~a9~~		
7			star		
two stars 8	~~3.0~~		~~b9~~		
			A. 6420		
1	2.5⁻		a9		
10.	2.0		b9		
I.C. 4599	2.0		b9		
			A. 6510		
1	1.0⁻		b8		
3	2.0		b9		
N.G.C. 6846			not seen		
6859	4.0		a5	have I the N. G. C. meant?	120°
			A. 6649	all nebulae are checked on my own judgment as these were no overlapping long exposure plates	
9			star		
3	2.0		a9		
7	1.0	star?	a9		
6			defect		

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		A. 6649
4	1.5	a 7
17	1.5	a 9
1A	1.0	a 9
1		defect
5	1.0	a 9
6		defect
13	1.0	a 9
2	1.5	b 10
N.G.C. 2915	4.0	c 7
3149	1.0	b 9
		A. 2145
3	2.0	a 7
5	1.5	a 9
6	1.5	a 10
7	2.0	b 9

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1930phae.proj.2241M

A. 2149

I.C. 336 — not seen

341 — " "

349 — = N.G.C. 1435 ?

353 — not seen

354 — not seen

1941 — not seen

1990 — not seen

1995 — star but no nebulosity

N.G.C. 1432 — nebulosity } Pleiades

1435 — nebulosity }

1456 — not seen

A. 3816

55 — star — ~~b9~~

53 — 2.0 — a9

101 — 3.0 — b9

100 — 2.5 — b9

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accidentally skipped

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1930phae.proj.2341M

A.3216

54	3.0		b8
109	star		~~a8~~
110	2.0		b10
1			star
99	2.0		b8
5	2.0		a10
108	3.0		a9
106	3.0		a9
58	2.0		a9
56	2.0		b9
66	2.5		a9
61			star
84			two stars
71	3.5		a9
103	5.0	dyfect? No Diffuse nebula Checked on A c979	b9

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A.3816

111	4.0	af
65	2.0	af
57	2.5-	a9
48	2.0	a9
1	2.0	af
6	2.0	a9
60		star
92	3.0	b7
19	2.0	a10
69	2.0	a10
8	4.0	b7
94	2.0	a10
97	1.5-	a9
98	1.5-	af
87	1.5-	b10

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1930phae.proj.2341M

A. 3816

68	2.0	b10
64		Two stars
79	1.5-	a8
78	2.0	b7
89	2.0	a8
11		defect
80	2.0	a9
15	2.0	a9
112	3.0	b9
72	2.5-	a6
82	2.0	a6
43	1.5-	a9
42	2.0	a8
39	2.0	a10
51	1.5	b9

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1930phae.proj.2341M

A.3816

36		two stars
30	2.0	b10
38	2.0	b10
23	2.0	b9
74	2.0	a8
73	3.0	b8
20	2.5⁻	b8
26		faint star
31		faint star
25⁻	2.5⁻	a8 plate broken a piece lost. Therefore nebula classified on A6974 (120")
33	2.0	a9
24		star
45⁻	2.5⁻	b9
34	3.0	a9
~~19~~	~~1.5~~	~~b9~~

2 STARS

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A.3416

35	2.5:	a7:		
50	3.0:	b7:	perhaps star	
2 STARS ~~##~~	~~3.0~~:	~~a7~~:	near edge	
41a	2.5:	a8:		
(44) Bailey 2644	3.0:	a8:		
24a	4.0:	b3:		20°
Mengel 2056 −1824.3	2.5	b9		
2056 −1740.1	3.0	a9		
2057 −1734.1	2.5	b9		
2057 −1739.2	2.5	a9		
2100 −1814.1	2.5	b9		
2101 −1805.4	2.0	b7		
2103 −1942.7	6.0	b5		30°
2103 −1635.5	2.0	b10		
2104 −1633.5	2.0	b7		

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1930phae.proj.2344M

		A.3816
2104-1708.1	2.0	b10
2105-1717.1	2:5	b7
2106-1924.7	2.5	iab
2106-1709.7	1.5	ab
2108-1717.9	3.5	b7
2109-1917.2	1.0	b10
2110-1659.3	2.0	a9
2113-1603.2	3.0	a7
2114-1653.6	1.5	ab
2114-1629.4	2.0	bb
2115-1827.6	2.0	a10
2116-1736.3	2.0	ab
2116-1830.6	2.0	a9
R STARS CF A6844 ~~2116-1607.5~~	~~2.0~~	~~a7~~
2117-1836.8	2.0	a10

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1930phae.proj.2341M

			A.3816	
2119 − 1710.4	2.0		a 9 b9	double nebula
I.C. 1356	3.0		b7:	? Nebula too near edge to be certain of its identity
1358	2.0		b9	
5078	17.0:		a 4	bright star involved in nebulosity 75°
			A.6455	(broken + outlying stacks in C. 26)
b	3.0		b9	
			A. 2837	
1	2.0		a8	
I.C. 1340	20.0		i a 1:	diffuse about one end + 120° hard to classify
N.G.C. 6960		very diffuse and elongated		
6974	15.0		f1	170°
6979		not seen		
6992		very diffuse, elongated curved		
6995		diffuse nebulosity		

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1930phae.proj.2341M

A. 4248

2	2.5		a 9	
I.C. 2501			nebulous	
N.G.C. 2467			nebulous	
2499			nebulous	
			A. 4257	
4	3.5	star?	- 2 b 5	130°
7			dyked	
5			star	
13	4.0		b 7	
14	3.0		c 8	
10	2.5		c 6	
17	3.0		a 8	
21			two stars	
19			star	
20			two stars	
N.G.C. 2714	1.5		b 10	

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1930phae.proj.234M

			A. 4265	
1	1.0		b9	
			A. 2747	
2	1.5		a9	
m a	1.5		a10	
b	1.0		a10	
6	2.0		b10	
N.G.C. 6827	1.5		a8	nebula seems to be in nebulosity
6853	dumbell nebula. Can it be classified under this system?			
6886		two near edge - not seen - no other long exposure covers		
			A. 4259	
4	1.5	probably star	b9	
4	7.0		a4	100°
6	6.0		a4	70°
7	3.0		a4	
IC. 2220	10.5		?	star in center

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1930phae.proj.234M

			A.4398	
3	2.0		a9	
4	2.0		bA	
IC.2631		star in nebulosity		
2884	3.5		b5	
3104	3.0		c5	questioned
N.G.C.3620	8.5		a6	
			A.4400	
31	2.0		b9	
23	1.5		b9	
24	2.0		b7	
40		star		
18		star		
8	1.5		a9	
5	2.5		a7	
4	3.0		bA	
3	2.0		b9	

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1930phae.proj.2341M

			A. 4400
38	1.0		b10
I.C. 2980	1.5		c9
			A. 4407
N.G.C. 5189	12.5'	nebulosity — stars involved	
I.C. 4191	1.0	Is this the nebula meant?	e7
3	2.0		b7
			A. 4466
3	4.0		a9
g	2.5'		a6
21	1.5'		a9
9	6.0		a7
11	1.5'		b9
38a	1.5'		b8
38b	1.5		b9
37	1.5'		b9
25	1.5'		b9

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1950phae.proj.2341M

			A.4466
36	1.5-		c10
29	1.0		b10
27	2.0		e9
28	1.5-		b10
38	2.0		b8
35-	3.0		c7
33	1.5-		b9
44	1.0		a10
43		I.C. 4448	
46	1.5-	star?	b6
N.G.C.5612	2.0		b8
I.C.4448	3.5-	double nebula?	i b9
			A.4402
4	8.0		a3
7	3.5-		b7

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1930phae.proj.2341M

		A. 4555
7	9.5	bd
11	4.0	a 9
10	3.0	b 9
14	2.5	a 9
23		star
I.C. 4555	7.5	c 5
N.G.C. 5612	4.0	bd
5967	11.5	bd
		A. 4537
2	9.0	bd
3	2.5	a 6
4	3.0	a 9
I.C. 4604	3.0	a d
		A. 4599
5	9.0	a 9
3	2.0	b d

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1950phae.proj.2941M

			A.4595-	
2	2.0		bA	
1	2.5-		b9	
I.C.4618	6.5-		bE8	
4631	2.5-		E9	
4633	17.0:	very indistinct	E8	
4635-	3.5-		b6	
4640	2.0		b10	
4641	4.5-:	very indistinct	b9	
4647	4.0		c5-	170°
			A4733	
11	1.5-		b10	
8	2.5-		a7	
3	3.5-		a10	
14	3.0		c9	
23	2.0		a6	between 2 stars
19	2.0	nebula?	a9	

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1930phae.proj.234M

			A.4533		
20	8.0:	hazy	c9		
5	2.5		cA		
I.C. 4484	A5		Le2		140°
4522	A0		b6		
4570	3.5		b8		
N.G.C. 5799	2.0		c9		
5833	11.0		Ld5		135°
N.N. 2	2.0		b9		
			A.4468		
2	2.5		b9		
8	3.0		b6		
I.C. 4377	4.0		c5		100°
			A.4606		
6	1.0		a9		
5	20		a9		
6	4.0		b9		

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			A.4606	
3	2.5		b10	
8	3.0		a9	
7	6.0		b4	90°
4	2.5		b8	
1	2.0		b9	
I.C. 5094	3.5		c10	
5100	4.0		c8	
5101	3.0		c7	
5107	3.0		b9	
N.G.C. 7032	2.0		c10	
			A.7498	
Merged				
2128-58442	3.0		b8	
2129-59083	2.5		b5	140°
2130-58577	2.0		b9	
2130-56048		To be classified on A.9068		

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1930phae.proj.234M

			A.7498	
2130-5609.4		To be classified on A.9068		
2130-5634.1	2.5		a8	
2130-5640.6	4.0		b10	
2131-5643.0	2.0		a9	
2131-5706.2	2.0		a8	
2131-5739.6	3.0		b8	
2131-5750.2	1.5		a9	
2131-5802.2	1.5		b10	
2132-5810.3	2.0		a8	
2133-5540.3		To be classified on A.9068		
2133-5830.4	5.0		b5	95°
2133-5734.4	1.0		a9	
2134-5626.9	2.0		b8	
2134-5724.2	1.0		a8	
2134-5701.7	1.0		a10	

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1930phae.proj.23:1M

A. 7498

2134 - 5°706.3	1.0	a9	
2134 - 5°717.7	1.5°	a8	
2135° - 5°807.4	1.5°	a8	
2136 - 5°906.5°	4.0	a4	130°
2136 - 5°705.1	1.5°	b9	
2136 - 5°804.8	1.5°	a9	
2136 - 5°906.6	1.0	a7	
2137 - 5°605.7	2.0	b7	
2137 - 5°706.6	2.0	b7	
2137 - 5°906.3	1.0	a9	
2137 - 5°813.6	1.0	a8	
2137 - 5°733.3	2.0	a9	
2137 - 5°745.5°	2.0	a10	
2137 - 5°830.2	2.0	a8	
2137 - 5724.3	1.5°	a7	

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		17.7498
2137-5749.2	1.0	b10
2138-5723.4	1.5	a10
2138-5734.7	1.5	a8
2138-5614.1	2.0	b9
2138-5820.3	1.0	a9
2138-5637.5	1.5	a9
2139-5735.1	1.0	a8
2139-5705.6	1.5	a9
2139-5904.4	1.5	b9
2139-5744.7	1.5	a9
2139-5911.4	1.5	a6
2139-5813.0	1.5	a9
2139-5741.5	1.5	a9
2140-5747.1	2.0	b8
2140-5750.4	1.5	a9

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1999phae.proj.224M

A. 7498

2140-5711.9	1.0		i b9	
~~2140-5916.8~~				
2140-5734.3	1.0		b9	
2140-5519.8	2.0		b8	
2140-5746.2	1.0		b9	
2140-5922.3	1.0		a10	
2140-5856.2	1.0		a9	
2140-5747.3	1.0		a10	
2141-5547.7	2.0		a9	
2141-5526.6	2.0		b9	
2141-5731.0	1.0		b9	
2141-5916.8	2.0		a9	
2141-5920.6	2.0		a7	
2141-5932.8	1.0		b10	
2141-5526.0	2.0		b9	
2141-5526.6	2.0	Why was this catalogue? It is	b9	omitted from the in Mengel's Bk. 1 p. 42

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1930phae.proj.234M

		A. 749P	
2141-5731.0	1.0	a 9	
2141-5622.3	1.0	a 9	
2141-5642.5	6.0	b 3	90°
2141-5983.2	1.5	c 7	
2141-5930.0	2.5	c 9	
2142-5624.1	3.0	b 7	
2142-5629.2	2.5	a 8	
2142-5935.8	1.5	c 8	
2142-5608.7	1.5	b 8	
2142-5707.8	1.0	b 9	
2142-5947.4	1.5	b 10	
2142-5549.3	1.5	b 9	
2142-5810.2	1.5	b 10	
2142-5709.0	1.0	a 9	
2142-5947.7	3.0	b 5	0°

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1930phae.proj.224M

		H. 7494
2142 - 5800.7	1.0⁻	a9
2142 - 5546.9	1.0	a9
2142 - 5609.4	0.0⁻	a10
2142 - 5710.9	1.0	b7
2142 - 5556.3	2.0⁻	a9
2143 - 5543.9	1.0⁻	b10
2143 - 5542.6	1.0	a9
2143 - 5613.2	2.0	b9
2143 - 5949.7	1.0	b10
2143 - 5544.6	1.0⁻	b9
2143 - 5617.3	1.0	a9
2143 - 5542.8	1.0⁻	b9
2143 - 5538.2	1.0⁻	a7
2143 - 5548.5	1.0⁻	b8
2144 - 5546.6	1.0	b10

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1930phae.proj.234M

A. 7498

2144-5617.1	1.5		a10
2144-5655.3	1.0		a10
2144-5501.1	Also	Bailey's H.N. 2926	
2144-5754.8	1.0, 1.0	double nebula	a9, b9
2144-5548.0	1.5		a9
2144-5535.9	1.5		a9
2144-5548.1	1.0		b10
2144-5522.4	3.0		b10
2145-5757.4	1.5		a9
2145-5759.0	1.0		a9
2145-5603.5	1.5		b8
2145-5553.0	1.5		b10
2145-5750.2	1.5		b9
2146-5621.6	1.0		b9
2146-5532.1	2.0		a9

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1998phae.proj.294M

		A.7498
2146-5824.4	1.0	a10
2146-5626.7	1.0	a9
2146-5628.3	1.0-	b9
2146-5409.7	1.0-	a10
2146-5814.9	1.0	a10
2146-5600.0	2.0	b8
2146-5755.3	1.0-	a9
2146-5754.6	2.0	b8
2146-5552.4	2.0	a10
2147-5820.4	1.0-	a8
2147-5907.2	1.0-	a10
2147-5601.9	2.0	b8
2147-5819.2	1.0	a10
2147-5614.2	1.0	a8
2147-5819.1	1.0	a10

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1930phae.proj.231M

		A. 7498
2147-5-904.3	1.5	b10
2147-5-908.7	2.0	a10
2147-5-943.9	1.5	b10
2147-5-626.2	1.5	a10
2147-5-642.9	1.0	b10
2147-5-735.9	2.0	a10
2148-5-807.5	1.5	a10
2148-5-553.1	1.0	b10
2148-5-613.2	2.0	b7
2148-5-639.1	2.0	a9
2148-5-602.9	1.5	a10
2148-5-820.9	2.0	a8
2148-5-606.9	2.0	a9
2148-5-634.7	1.5	b9
2148-5-616.3	2.0	b10

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1930phae.proj.234M

			A.1949	
2148 − 5520.4	10.0		b2	40°
2149 − 5610.2	1.0		a10	
2149 − 5627.5	1.5		a10	
2149 − 5634.7	1.0, 1.5	double nebula	a9, b7	
2149 − 5634.6	1.0		b10	
2149 − 5601.8	1.5		b10	
2149 − 5636.6	1.5		a10	
2150 − 5608.5	1.0		b10	
2150 − 5541.2	2.0		a9	
2150 − 5611.4	1.0		a10	
2150 − 5534.2	1.0		a10	
2150 − 5542.0	1.0		a10	
2150 − 5554.4	1.0		b10	
2150 − 5943.6	3.0		b9	
2150 − 5837.2	1.5		a9	

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1930phae.proj.234M

		A.7495		
2150 - 5634.9	1.5	a 7		
2150 - 5653.4	1.5	b 10		
2150 - 5819.5	1.5	b 9		
2150 - 5631.7	2.5	b 5	40°	
2151 - 5714.2	1.0	a 10		
2151 - 5903.2	2.0	a 10		
2151 - 5717.1	2.0	b 10		
2151 - 5614.0	2.5	b 5	40°	
2151 - 5909.0	3.5	a 9		
2151 - 5939.6	2.0	b 9		
2151 - 5929.5	1.0	a 9		
2151 - 5614.1	1.0	a 9		
2152 - 5922.5	1.0	a 10		
2152 - 5825.8	2.5	a 7		
2152 - 5639.6	1.5	a 9		

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1930phae.proj.2344M

		A. 7458	
2152 - 5920.8	1.5	a 9	
2152 - 5629.4	1.0	a 9	
2152 - 5514.0	4.0	b 6	
2153 - 5726.5	2.0	a 6	
2153 - 5705.7 (11)	1.0	a 9	no. 204 in Mauglas record book
2152 - 5705.7 (14)	2.0	a 10	
2153 - 5510.8	2.0	a 7	
2153 - 5629.4	1.5	b 9	
2153 - 5513.5	2.0	b 8	
2153 - 5504.4	1.5	b 10	
2153 - 5535.3	1.0	b 9	
2154 - 5513.2	2.0	a 9	
2154 - 5837.6	2.5	p 8c 7	
2154 - 5533.3	1.5	c 10	
2154 - 5549.7	Misprint - probably same as 2155 - 5549.7		

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1930phae.proj.231M

F. 749+

2155 - 5722.0	2.5	b6
2155 - 5707.0	2.0	b10
2155 - 5925.2	2.0	b7
2155 - 5653.4	1.5	a9
2155 - 5922.9	1.0	a9
2155 - 5638.6	1.5	a7
2155 - 5549.7	1.0	b10
2155 - 5932.8	1.0	b9
2155 - 5922.3	2.0	a9
2156 - 5650.9	1.0	b10
2156 - 5933.5	1.5	a8
2156 - 5711.5	1.5	b8
2156 - 5627.7	3.5	b7
2157 - 5825.8	1.0	b8
2157 - 5540.6	1.5	b10

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1930phae.proj.2343M

		A. 7498	
2157-5833.2	1.0	a10	
2157-5800.8	2.0	a9	
2157-5846.7	4.0	Zg5-	105°
2157-5835.8	1.0	E9	
2157-5806.4	1.5-	b10	
2154-5705.5	4.0	Lg5-	100°
2154-5746.5	4.5-	b5	160°
~~2154-5758.5~~		b9	
2159-5826.5	2.5-	a5	140°
2159-5758.5	2.0	b9	
2159-5542.5	2.0	b10	
2200-5827.8	1.0	a9	
2200-5925.0	2.0	a8	
2200-5534.6	4.0	b6	
2200-5842.4	1.0	b9	

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1930phae.proj.234M

A.7498

2200-5747.6	1.0	b9		220
2200-5757.1	4.0	pSd8		22
2201-5847.7	1.5	b10		22
2201-5735.8	3.5	b4	40°	220
2201-5804.8	3.0	a10		220
2201-5745.8	1.0	a9		22
2202-5747.6	1.0	a9		22
2202-5716.8	1.0	b10		22
2202-5822.1	2.0	b6		220
2202-5656.2	2.5	a9		22
2203-5654.4	1.5	b10		22
2203-5746.1	1.0	b10		220
2203-5656.6	1.5	a10		221
2203-5623.8	1.5	a6		221
2203-5730.0	1.0	a10		

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1990phae.proj.29:1M

A. 7498

2203 - 5710.0	1.5-	a10	
2204 - 5621.6	1.5-	a9	
2205 - 5856.6	1.5-	a9	
2206 - 5823.4	1.0	b10	
2207 - 5731.3	5.0	b4	160°
2207 - 5739.9	2.0	a9	
2207 - 5709.0	1.5-	a10	
2208 - 5720.0	2.0	a5-	
2208 - 5625.5	2.0	a9	
2208 - 5706.1	2.0	a8	
2209 - 5638.2	2.0	a8	
2209 - 5712.0	2.5-	a8	
2210 - 5926.0	2.0	a8	
2212 - 5724.2	2.0	a9	

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1930phae.proj.234M

		A.7498	
H.b.c. 7140		not seen	
7141	12.5	pSf 5	20°
7205	16.5	SE 5	70°
I.C. 5141	3.0	c8	
5147	3.0	a8	
5144	5.5	b8	
N.N. 2	2.0	a9	
1	5.0	a9	
18	2.0	a9	
19	1.5	a9	
14	1.5	a10	
13	2.0	b10	
17	2.0	b10	
4	3.0	a4	165°
3	4.5	a5	160°

N.N.

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N.N. 15	1.0		a 10
9	1.0		star
11	1.0		a 10
12	2.0		a 10
10	2.0		a 9
5	1.0		a 9
8	2.0		d 10
16	2.0		a 8
7	2.0		a 10
6	2.0		a 6
20	1.0	These are nos. 1244 125 in Mayall's list. 1p. 64	b 7
21	1.0	Position were not completed or published by him and therefore these were accepted as new nebulae. 22-29 also belong in the same category	b 10.
22	2.0		a 9

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	Diameter	Classification		Magnitudes 2nd Reading	Magnitudes 1st Reading	Orientation
		A.7498				
23	2.5	c10				
24	2.0	a6				
25	2.0	a9				
26	2.0	b9				
27	4.0	b7				
28	1.0	a10				
29	2.0	a8				
		A.8261				
6	2.5	a8	+1	17.0	16.5	
				17.0		
7	1.0	a9	0	17.0	17.0	
				17.0		
4	2.0	a9	-1	17.0	17.5	
				17.0		
8	1.5	a10	-1	17.0	17.5	
				17.5		
15	2.5	b9	0	17.0	17.0	
				17.0		
10	1.5	b10	0	16.5	16.5	
				16.5		
9	2.5	a9	0	17.0	17.0	
				17.0		
13	1.5	a10	0	16.5	16.5	
				16.5		

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1930phae.proj.224M

	Diameter		Classification H.&A. 261		Magnitudes 2nd Reading	1st Reading	Orientation
14	1.5"		b10	+1	17.0	16.0"	
					16.7		
17	2.0		a9	-1	16.5"	17.0	
					16.8		
18	1.5"		b9	0	16.0	16.0	
					16.0		
H.N. 1355"	3.0	nearly	a8:	-1	16.0	16.5"	
					16.2		
1356	2.0"		b8	+1	15.5	15.0	
					15.3		
1357	3.0"		a9	+1	16.0	15.5"	
					15.7		
1358	3.0"		c10	+1	15.5"	15.0	
					15.3		
1359	2.0		b7	+1	16.0	15.5"	
					15.7		
1360	2.0		b9	+1	16.5"	16.0	
					16.3		
1361	2.0		a7	0	16.5	16.5"	
					16.5"		
1362	2.5"		a6	0	16.5"	16.5"	
					16.5"		
1363	2.0		a9	0	16.5"	16.5"	
					16.5"		
1364	2.5"		b8	0	16.0	16.0	
					16.0		
1365"	4.0		a:6	-1	15.5"	16.0	
					15.7		
1366	2.0		b8	0	16.5"	16.5"	
					16.5"		

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1930phae.proj.2314M

	Diameter	Classification A 2261		Magnitudes 2nd Reading	1st Reading	Orientation
H.V. 1367	1.5	b9	0	16.0	16.0	
				16.0		
1368	1.0	b8	0	16.5	16.5	
				16.5		
1369	1.5	b9	+1	16.5	16.0	
				16.3		
1370	1.5	b9	0	16.5	16.5	
				16.5		
1371	1.5	b9	+1	16.5	16.0	
				16.2		
1372	7.0	i b5	-1	15.5	16.0	20°
				15.8		
1373	2.0	a10	-1	15.5	16.0	
				15.7		
1374	1.5	a9	-1	16.5	17.0	
				16.8		
1375	2.0	b10	0	16.5	16.5	
				16.5		
1376	1.5	a9	0	17.0	17.0	
				17.0		
1377	1.5	a10	0	17.0	17.0	
				17.0		
1378	2.0	a10	0	17.0	17.0	
				17.0		
1379	1.5	a10	0	17.0	17.0	
				17.0		
1380	2.0	b10	0	16.5	16.5	
				16.5		
1384	1.5	a9	0	17.0	17.0	
				17.0		

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1990phae.proj.234M

A8261

MN. 1385	2.0		a8	0	17.0	17.0	
						17.0	
1387	1.5		a9	0	17.0	17.0	
						17.0	
1388	1.5		a10	-1	17.0	17.5	
						17.2	
1389	1.5		b10	-1	17.0	17.5	
						17.3	
1391	2.0		a7	-1	16.5	17.0	
						16.7	
1393	1.5		a9	0	17.0	17.0	
						17.0	
1397	3.0		b6	0	16.5	16.5	
						16.5	
1399	1.5		a10	0	16.5	16.5	
						16.5	
1400	1.5		a9	0	16.5	16.5	
						16.5	
1403	2.0		a9	-1	16.0	16.5	
					16.0	16.3	
1407	2.0		b10	-2	15.5	16.5	
						16.0	
1409	2.0		a8	-1	16.5	17.0	
						16.7	
1410	2.0		b9	-1	16.5	17.0	
N3911						16.5	
1411	2.0		b7	-1	15.5	16.0	0°
						15.7	
1414	2.5		a6	0	17.0	17.0	
						17.0	

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AP261

H.N.	1415	3.5		a6	+1	17.5	17.0		H.
						17.3			
	1416	1.5		a9	0	17.0	17.0		
						17.0			
	1417	1.0		b9	0	16.5	16.5		
						16.5			
	1418	2.0		a10	+1	17.5	17.0		
						17.2			
	1419	1.5		a10	-1	17.0	17.5		
						17.3			
	1420	6.0		c4	+1	15.0	14.5	50°	
						14.7			
	1421	2.0		a10	-1	17.0	17.5		
						17.8			
	1423	1.5		b10	-1	16.5	17.0		
						16.7			
	1424	2.0		b5	+1	16.0	15.5	110°	
						15.8			
	1429	2.0		a7	0	17.0	17.0		
						17.0			
	1431	1.5		a10	0	17.5	17.5		
						17.5			
	1432	1.5		b10	-1	16.5	17.0		
						16.7			
	1434	1.5		b10	0	16.5	16.5		
						16.5			
	1435	1.5		a9	0	16.5	16.5		
						16.5			
	1436	1.0	wiggle object, somewhat curved	b2	0	16.5	16.5	40°	
						16.5			

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1990phae.proj.23:41M

AR261

H.N. 1437	1.5-	b9	-1	16.5-	17.0	16.8
1438	2.5-	b7	-1	16.0	16.5	16.2
1441	1.5	c10	-1	15.0	15.5-	15.3
1444	2.0	b9	0	17.0	17.0	17.0
1445	1.0	b10	-1	16.5-	17.0	16.7
1447	2.0	a7	0	16.5-	16.5	16.5-
1448	1.5-	b10	0	17.5-	17.5-	17.5-
1449	2.0	b7	0	17.0	17.0	17.0
1450	1.0	a8	-1	17.5-	18.0	17.8
1453	1.5-	c9	0	15.5-	15.5	15.5-
1454	1.5	b10	-1	16.0	16.5	16.2
1455	1.0	a10	-1	17.0	17.5-	17.3
1456	4.0	c9	+1	15.0-	15.0	15.0
1457	1.5-	a8	0	17.0	17.0	17.0
1458	1.5	a9	0	17.0	17.0	17.0

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H.N. 1459	2.5		a5	+1	18.0	17.5	160°	H.
					17.8			
1461	2.0		b9	0	18.0	18.0		
					18.0			
1462	1.5		a8	0	17.5	17.5		
					17.5			
1463	2.0		b8	0	16.5	16.5		
					16.5			
1464	1.5		a10	0	17.0	17.0		
					17.0			
1465	1.5		b10	0	15.5	15.5		
					15.5			
1466	1.0		b10	0	16.5	16.5		
					16.5			
1467	2.0		a8	-1	17.0	17.5		
					17.2			
1470	3.0		a7	-1	17.0	17.5		
					17.3			
1471	1.5		b8	0	16.5	16.5		
					16.5			
1472	1.0		a9	0	17.0	17.0		
					17.0			
1473	3.0		a10	-1	16.5	17.0		
					16.7			
1474	1.5		b9	0	16.0	16.0		
					16.0			
1476	1.0		b10	0	16.5	16.5		
					16.5			
1477	3.5		a9	+1	16.5	16.0		
					16.3			

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1999phao.proj.2:1M

9h26'

H.N. 1478	1.5		b10	-1	16.0	16.5	
					16.2		
1482	5.0		a5	-1	17.0	17.5	40°
					17.3		
1483	2.5		b7	-1	16.0	16.5	
					16.2		
1484	1.5		b6	-1	16.0	16.5	
					16.3		
1485	1.5		a10	-1	16.0	16.5	
					16.2		
1487	1.5		b9	0	17.0	17.0	
					17.0		
1488	1.5		a5	-1	16.5	17.0	50°
					16.8		
1489	1.5		a8	0	17.5	17.5	
					17.5		
1490	3.0		a5	0	17.5	17.5	100°
					17.5		
1491	2.0		b7	-1	16.5	17.0	
					16.7		
1493	1.5		a8	0	17.0	17.0	
					17.0		
1494	2.0		b9	-1	16.5	17.0	
					16.8		
1495	1.5		a10	0	17.0	17.0	
					17.0		
1496	2.0		b7	-1	16.5	17.0	
					16.7		
1497	1.0		a10	-1	16.5	17.0	
					16.8		

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1930phae.proj.231M

47+26.1

H.N. 1498	2.0		a8	0	17.0	17.0	
					17.0		
1499	1.5		a10	0	16.5	16.5	
					16.5		
1500	1.0		b10	-1	16.5	17.0	
					16.7		
1501	1.0		a9	+1	17.0	16.5	
					16.8		
1502							
H.N. 3984							
1503	1.5		a10	-1	16.5	17.0	
					16.7		
1505	1.5		a10	0	17.0	17.0	
					17.0		
1506	1.0		a10	0	16.5	16.5	
					16.5		
1508	1.0		a10	-1	17.0	17.5	
					17.3		
1509	2.5		a6	0	17.0	17.0	
					17.0		
1510	1.0		a9	0	17.0	17.0	
					17.0		
1511	1.0		a9	0	18.0	18.0	
					18.0		
1513	1.0		a10	0	17.0	17.0	
					17.0		
1517	2.0		a9	0	17.5	17.5	
					17.5		
1519	2.0		a9	0	17.0	17.0	
					17.0		

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H.A.261

H.A. 15-20	2.0		b10	0	16.0	16.0	16.0
15-21	1.0-		a10	0	17.0	17.0	17.0
15-23	1.0		b10	-1	16.5-	17.0	16.7
15-24	1.0		a10	0	17.0	17.0	17.0
15-25-	2.0		a9	-1	16.5-	17.0	16.8
15-28	2.0		a10	0	17.5-	17.5-	17.5-
15-30	1.5		a9	0	17.0	17.0	17.0
~~N 4009~~		No. N 4009 not seen.					
15-31	2.0		a9	0	17.0	17.0	17.0
15-32	2.0-		i69	-1	15.5-	16.0	15.8
N 4016							
15-33	1.0		a10	0	18.0	18.0	18.0
15-35-	1.5-		a10	-1	16.0	16.5-	16.2
15-36	2.0		a8	0	18.0	18.0	18.0
15-39	1.0		b10	0	16.0	16.0	16.0
15-41	1.0-		a10	0	17.0	17.0	17.0
15-44	1.0-		a10	+1	18.0	17.5-	17.8

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H 8261

H. N. 1546	1.0		b10	0	16.0	16.0
					16.0	
1547	2.0		a8	+1	17.5	17.0
					17.2	
1548	1.5		a10	-1	16.5	17.0
					16.8	
1549	1.5		a10	0	16.5	16.5
					16.5	
1550	2.5		a10	0	17.0	17.0
					17.0	
1551	1.5		b10	0	16.5	16.5
					16.5	
1553	1.0		b10	-1	16.0	16.5
					16.2	
1554	2.5		a9	0	17.0	17.0
					17.0	
1557	3.0		a8	0	16.5	16.5
					16.5	
1559	1.0		a10	+1	17.5	17.0
					17.3	
1561	1.5		b9	-1	16.5	17.0
					16.7	
1562	1.0		a10	-1	16.5	17.0
					16.8	
1564	3.0		b10	+1	16.5	16.0
					16.2	
1567	1.5		a8	0	17.5	17.5
					17.5	
1568	2.0		a9	0	17.5	17.5
					17.5	

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1930phae.proj.234:M

			78261				
H.N. 1570	1.5⁻		a9	0	17.0	17.0	17.0
1573	2.0		a9	0	17.0	17.0	17.0
1574	1.0		b10	0	16.5⁻	16.5⁻	16.5⁻
1575	1.0⁻		a6	+1	18.0	17.5⁻	17.8
1576	1.0⁻		a8	0	17.5⁻	17.5⁻	17.5⁻
1577	2.0		a8	+1	17.5⁻	17.0	17.2
1578	1.0⁻		a9	+1	18.0	17.5⁻	17.8
1579	2.0		a8	+1	18.0	17.5⁻	17.7
1581	1.0⁻		b10	0	16.0	16.0	16.0
1583	2.0		a10	0	17.0	17.0	17.0
1584	1.0⁻		b10	0	17.0	17.0	17.0
1590	1.0		a9	0	17.0	17.0	17.0
1592	1.0		a8	0	17.0	17.0	17.0
1593	2.0		b7	0	16.5⁻	16.5⁻	16.5⁻
1594	2.0		b8	0	16.5⁻	16.5⁻	16.5⁻

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H.N. 1596	2.0		a9	0	17.5	17.5	
					17.5		
1597	3.0		a5	0	17.0	17.0	
					17.0		
1598	2.0		a9	0	17.0	17.0	
					17.0		
1600	2.0		a8	0	16.5	16.5	
					16.5		
1604	1.5		b8	0	16.5	16.5	
					16.5		
1606	2.5		b8	-1	15.5	16.0	
					15.8		
1607	1.5		a9	0	17.0	17.0	
					17.0		
1608	5.5		b4	-1	15.5	16.0	25°
					15.7		
1610	2.0		a9	0	16.5	16.5	
					16.5		
1611	1.5		a8	0	17.0	17.0	
					17.0		
1614	1.5		b10	-1	16.5	17.0	
					16.8		
1616	3.0		a7	0	16.5	16.5	
					16.5		
1617	1.5		a9	0	17.0	17.0	
					17.0		
1618	1.5		b9	-1	16.0	16.5	
					16.2		
1620	2.0		a8	-1	16.0	16.5	
					16.3		

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AA261

H.N. 1621	2.0	b8	0	16.0	16.0	16.0
1622	2.0	b8	0	16.0	16.0	16.0
1623	2.0	b9	0	17.0	17.0	17.0
1624	2.0	b8	0	16.5	16.5	16.5
1625	2.0	b7	-1	16.5	17.0	16.7
1626	2.0	b9	0	16.5	16.5	16.5
1627	3.0	b9	0	16.5	16.5	16.5
1628	2.0	b8	0	17.0	17.0	17.0
1629	3.0	b8	0	17.5	17.5	17.5
1630	2.0	a9	-1	17.5	18.0	17.8
1631	2.0	b9	-1	16.5	17.0	16.7
1632	2.0	a5	0	17.0	17.0	17.0
1633	2.0	b7	-1	16.5	17.0	16.8
1634	2.5	a9	-1	16.0	16.5	16.2
1635	2.0	b9	-1	16.5	17.0	16.8

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AF261

H.N. 1636	3.0		a9	+1	17.0	16.5	
					16.7		
1637	2.0		a7	+1	17.5	17.0	
					17.3		
1638	2.0		b10	0	17.0	17.0	
					17.0		
1639	3.0		b8	-1	16.0	16.5	
					16.2		
1640	3.0		b6	-2	15.5	16.5	
					16.0		
1641	3.0	near edge of plate	b6:	0	16.5	16.5	
					16.5		
1642	2.5		a9	0	17.0	17.0	
					17.0		
1643	3.0	" " " "	a5:	+1	17.0	16.5	
					16.8		
1644	3.0	" " " "	b6:	0	16.5	16.5	
					16.5		
1646	3.0	" " " "	b8:	+1	17.0	16.5	
					16.7		
1647	3.0		b9	+1	17.0	16.5	
					16.8		
1648	2.5		a9	+2	18.0	17.0	
					17.5		
1649	3.5		a10	+1	16.5	16.0	
					16.2		
IC 746	3.0		b5	0	15.5	15.5	170°
					15.5		
762	2.5		b9	0	16.0	16.0	
					16.0		

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AR261

I.C. 763	2.0⁻		B8	+1	16.5	16.0		
					16.3			
2954	1.5⁻		B10	+2	16.5⁻	15.5⁻		
					16.0			
2956	3.0		f10	0	16.0	16.0		
					16.0			
2982	2.0		B9	0	15.5⁻	15.5⁻		
							15.5⁻	
			221	+36 −66 −30 −.13	+36 −66 102 .46	÷2 = 0.23		
N.G.C.								
3798	3.5:	near edge of plate	C9:	+3	15.0	13.5⁻		?
					14.3			
3812	3.0		C9:	+2	15.0	14.0		
					14.5⁻			
3814	3.0		B7:	+1	17.0	16.5⁻		
					16.7			
3815⁻	4.0		B9	+3	15.0	13.5⁻		?
					14.3			
3826	1.5⁻		B10	+1	15.5⁻	15.0		
					15.3			
3830	1.5⁻		B9	0	16.5⁻	16.5⁻		
					16.5⁻			
3899		not seen						
3900	10.0		f E5⁻		too bl. for H plate			10°
3902	5⁻.0		B: C8	+1	15.5	15⁻.0		
					15⁻.2			
See HN1410								
~~3911~~ 3920	2.5⁻		B10	0	14.5⁻	14.5⁻		?
					14.5⁻			
3912	4.0		B5⁻	+1	14.0	13.5⁻		10°
					13.8			

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H. 4261

N.G.C.						
3920 (see 3911)	Note: Reinmuth identifies H N 1410 as N 3911 and gives the number N 3920 to what we have called 3911. The positions of the N.G.C. do not justify this, but in the G.C. these positions are found questioned. Reinmuth probably correct. H.)					
3927	not seen A	a10	0	16.5 ~~16.5~~ ~~16.5~~		
3944	1.5	b10	0	14.5 14.5 14.5		
3964	1.5	c10	0	15.5 15.5 15.5		
3984	1.5	a9	-1	16.5 17.0 16.7		
also H N 1502?						
3987	13.5	b2	0	14.5 14.5 14.5		60°
3988	1.5	b10	-1	14.5 15.0 14.8		
3989	3.0	b8	+1	16.0 15.5 15.7		
3993	7.5	b2	0	15.0 15.0 15.0		130°
3997	2.5	b9	+1	15.5 15.0 15.3		
3999	1.0	b10	-1	16.5 17.0 16.7		
4000	9.0	a4	+1	15.5 15.0 15.3		0°
4004	5.0	ic7	+3	14.5 15.0 13.5 14.3		
4005	1.5	c10	0	14.5 14.5 14.5		
4008	2.0	c6	0	14.0 14.0 14.0		

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1950phae.proj.284M

N.G.C.			17h26l				
4009 (HN 1530)	7.5	(too faint for an NGC object) H.S.	cq	0	17.0 17.0 17.0		
4011	2.0		bq	0	17.0 17.0 17.0		
4015	1.5		b10	0	15.0 15.0 15.0		
4017	5.5		dE6	0	15.0 15.0 15.0		
4016	0.5	Wrongly identified - NGC 4016 is the same as H.N. 1532 See H.N. 1532.	a15	0	16.5 16.5 16.5		
4018	5.0		b5	-1	14.5 15.0 14.7		160°
4021	1.5		b10	0	16.0 16.0 16.0		
4022	1.0		b10	+3	14.5 15.5 14.0 14.7		
4023	2.0		b10	0	15.5 15.5 15.5		
4040	6.0		b5	+2	14.5 14.5 13.5 14.2		110°
4101	2.0		a6	0	15.0 15.0 15.0		
4104	2.5		cq	+3	14.5 15.5 14.0 14.7		
4131	3.5		bq:	0	14.5 14.5 14.5		
4132	4.0		a8:	-1	14.5 15.0 14.2		
4134	6.0		bq:	+1	14.0 13.5 13.7		

260 | +63 −71 −8 −.03 | +63 −71 134 .51

completed

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A7443

HN 1891	17.0		i b1	star involved	165° HN
1889	11.5		L b3		40°
1891	6.0		b3		70°
1893	4.0		b7		
1894	2.5		b8		
1896	2.0		b9		
1899	2.0		b9		
1900	2.0		b9		
1903	5.0		a7	diffuse	
1904	2.0		a9		
1905	2.0		c9		
1906	4.0		b9		
1909	2.0		c8		
1910	1.5		a9		
1913	6.0		e8		

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lossophae.proj.2941M

A7443

HN	1914	2.0	a9	
	1916	2.0, 1.5⁻	b9, a9	(two nebulae)
	1917	1.0	b10	
	1918	2.0	c9	
	1920	1.5⁻	c10	
	1923	2.0	-2 b8	
	1924	2.0	a9	
	1925⁻	2.0	a8	
	1926	1.5⁻	b10	
	1929	1.5⁻	b9	
	1930	1.5⁻	b10	
	1932	1.5⁻	b9	
	1933	2.0	a9	
	1934	3.0	b9	
	1935⁻	4.5⁻	LE4	80°

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1930phae.proj.2341M

A7443

H N 1937	2.0		b8		H. N.
1938	2.0		b9		
1943	2.0		b10		
1947	1.5		b9		
1949	1.5		b9		
1950	2.0		c8		
1952	5.0		b8	diffuse	
1954	2.0		b9		
1955	7.0		b1		70°
1956	3.0		b3		100°
1957	1.5		b8		
1959	1.5		b9		
1960	2.0		c9		
1961	1.5		b9		
1962	2.0		a8		

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1930phae.proj.:234M

			A7443
W. N. 1963	1.0		a 8
1967	1.0		c 9
1972	1.0		b 7
1974	1.0		b 9
1977	1.0		b 10
1978	5.0		c 9
1979	3.0		b 7
1980	2.0		a 10
1981	1.0		b 9
1982	1.0		a 9
1983	1.0		b 10
1984	1.0		a 10
1985	1.0		c 8
1986	2.0		b 9
1987	1.0		a 9

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1930phae.proj.234M

A 7443

HN 1988	2.0		a8	
1989	2.0		i b8	
1990	2.0		a8	
1991	2.5		a7	
1992	2.0		b8	
1993	1.5		d8	
1994	1.5		b9	
1995	1.5		b10	
1997	1.0		b9	
1998	2.0		a10	
1999	3.0		a3	140°
2000	2.0		a10	
2001	1.5		b7	
2002	4.0		s c8	
2003	4.0		b3	100°

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1990phae.proj.:29:M

		A7443	
HN 2004	1.0	a 9	
2005	1.5	b 9	
2006	1.0, 1.0, 1.5	a 8, a 9, b 9	3 pt. nebulae in line
2007	1.0, 1.0	i b 9	two nuclei. Perhaps two pt nebulae together?
2008	1.0	a 10	
2009	2.0	b 9	
2011	1.0	b 10	
2012	2.0	c 10	
2013	1.5	b 8	
2014	1.5	b 8	
2015	2.0	b 9	
2017	1.5	b 9	
2018	1.5	b 10	
2019	2.0	a 9	
2022	2.0	b 8	

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1930phae.proj.234M

			A7443		
HN 2023	2.0		b7		
2029	1.5		c8		
2030	2.0		c6		
2032	2.0		b6		
2033	1.5		b9		
2034	2.0		b6		
2036	2.0		a10		
2037	2.0		b9		
2039	2.0		a9		
2040	1.5		b9		
2041	2.0		b8		
2042	5.0		a3	80°	
2043	3.0		a8		
2045	1.5		a9		
2051	1.5		a9		

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1999phae.proj.294M

		A7443
HN 2055	1.5	a9
2058	1.5	b10
2068	1.5	a8
2069	2.0	a9
2073	2.0	a9
2090	2.0	a9
Mengel		
1918-5109.7	2.0	b6
1920-5127.7	2.0	a7
1920-5139.8	1.0	b10
1921-5051.3	3.0	a8
1921-5102.5	2.0	b9
1922-5128.5	1.0	a8
1923-5127.3	2.0	a8
1923-5132.9	2.0	i b6 nucleus akone and
1932-5138.8	2.0	a8

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1930phae.proj.2341M

Menzel

H 7443

1935-5151.7	2.0	a9
1939-5205.4	1.0	f9

Menzel

H 7412

1833-5338.1	3.0	a7
1837-5355.7	2.0	b9
1838-5238.1	2.5	a9
1838-5215.6	4.5	b5
1842-5121.9	4.5	S: d9
1842-5046.5	4.0	a7
1842-5134.9	2.0	b7
1842-5052.7	4.0	a9
1843-5240.3	5.0	f8
1843-5154.5	1.5	b8
1844-5039.8	2.0	b8
1845-5047.6	2.0	b8

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1939phae.proj.2411M

Menzel		A 7412	
1847-5427.4	2.0	b9	
1848-5440.4	3.0	c9	
1850-5343.0	4.0	c7	
1851-5429.5	2.5	c8	
1852-5406.4	4.5	Ld2	50°
1853-5337.5	3.0	Ld3	130°
1853-5400.2	4.0	Lf3	40°
~~1853-5455.2~~	probably = mean b-bc 1856-5455.2. Repetition		
1855-5336.7	6.5	a2	130°
1855-5319.0	3.5	d9	
1856-5455.2	3.0	b8	
1856-5407.9	5.0	c3	175°
1857-5415.4	4.0	b10	
1859-5407.5	3.5	Lc3	20°
1901-5112.0	4.0	i c3	100°

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1930phae.proj.2344M

Menzel

A 7412

1903-5302.0	3.0	ic7	
1904-5402.1	3.5	b5	10°
1907-5050.1	2.5	b7	
Nbl 675-4	9.5	ib5	80°
6761	2.0	b9	
N.N. 1	6.0	a2	40-°
2	1.0	ib8	
3	1.0	a8	
4	3.0	a8	
5	2.0	c6	
6	1.0	c9	
7	1.0	a9	
8	2.0	b6	
9	2.0	a8	

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A.3346 (cont from Bk. Bp. 74)

206	3.0 ~~3.0~~ :	3.0 ~~4.0~~ :	3.0 ~~3.5~~	60.0	a5 :	a5 :	a5 :	140° ~~140~~
207	3.5 ~~2.0~~	3.5 2.0 :	3.5 ~~2.0~~ :	42.0	b9 :	b9 :	b9 :	
208	4.0 ~~2.5~~ :	4.0 ~~3.5~~ :	4.0 ~~2.5~~ :	48.0	b7 :	c6 :	b7 :	
209	4.0 :	4.0 :	4.0 :	48.0	b8 :	b8 :	b8 :	
210	3.5 ~~2.5~~	3.5 :	3.5 ~~3.0~~ :	42.0	b9 :	b7 :	b8 :	
211	3.0 ~~4.0~~ :	3.0 ~~2.5~~ :	3.0 ~~2.0~~	36.0	a9 :	b9 :	b9 :	
212	3.0 ~~4.0~~ :	3.0 ~~2.5~~ :	3.0 ~~2.5~~	36.0	a7 :	a7 :	a7 :	
213	3.5 ~~4.0~~ :	3.0 :	3.5 ~~2.5~~ :	~~42~~ 0	a8 :	a7 :	a7 :	
271	3.0	3.0	3.0	36.0	a8	b7	a8	
214	3.0 ~~2.0~~	3.0 ~~2.5~~	3.0 ~~2.0~~	36.0	b9	b8	b8	
219	3.5 ~~3.0~~	3.0	3.0	36.0	b8	b6	b7	
223	3.0	3.0 ~~2.0~~	3.0 ~~2.5~~	36.0	b9	b8	b9	
	in contact with star							
222	2.5 ~~2.0~~	2.5 2.0	2.5 ~~2.0~~	30.0	b10	c9	c9	
215	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ~~1.0~~	24.0	b10	b9	b10	
216	2.5 ~~1.0~~	2.5 1.5	2.5 ~~1.0~~	30.0	a10	a9	a9	

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		3.0	3.0	3.0 ✓	36.0	b9	c7	b 8
217 ✓		~~2.0~~	~~2.0~~	~~2.0~~				
		3.0	3.0	3.0 ✓	36.0	a7:	c6:	b7:
214 ✓		~~2.5~~:	~~2.5~~:	~~2.0~~:				
~~222~~		~~3.0~~				~~a8~~		
~~223~~		~~3.0~~				~~b8~~		
		4.0	4.0	4.0 ✓	44.0	a9:	a7:	a 8:
224 ✓		~~2.5~~:	~~3.0~~:	~~2.5~~:				
		5.5	5.5	5.5 ✓	66.0	a7:	b7:	b 7:
225 ✓		~~3.5~~:	~~4.0~~:	~~4.0~~:				
		6.0	6.0	6.0 ✓	72.0	b9:	b7:	b 8:
226 ✓		~~4.0~~:	~~4.5~~:	~~4.0~~:				
		4.5	4.5	4.5 ✓	54.0	a7:	a5:	a 6:
221 ✓		~~4.0~~:	~~4.0~~:	~~4.0~~:				
(47) 231		1.5				b9		
~~227~~		~~1.5~~				~~a9~~		
(45) 228		2.0				b9		
(35) 229		1.5				c9		
~~230~~		~~1.0~~				~~d9~~		
		1.5, 2.0	1.5, 2.0	1.5, 2.0 ✓	18.0 ✓			
250 a, b		~~1.0, 1.0~~	~~1.0, 1.0~~	~~1.0, 1.0~~	24.0	a10 a10	a10, a10	a10, a10
double nebula actually in contact								
		1.5	1.5	1.5 ✓	18.0 ✓			
251 ✓		~~1.0~~	~~1.0~~	~~1.0~~		a9	a9	a9

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1930phae.proj.2341M

				A 2346			
(72) 252	2.0			a 10			
(76) 253	2.0			a 6			
254 ✓	2.0 ✓	2.0	2.0 ✓	24.0 ✓	a 7	a 7	a 7 ✓ ✓
255 ✓	2.0 ~~1.5~~	2.0 ✓	2.0 ~~1.5~~ ✓	24.0 ✓	a 9	a 9	a 9 ✓ ✓
256 ✓	3.0 ~~1.5~~	3.0 ✓	3.0 ✓	36.0 ✓	a 9	a 6	a 8 ✓
257 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ~~1.0~~ ✓	24.0 ✓	b 9	a 10	b 9 ✓ ✓
~~258~~	~~1.0~~			~~b 10~~			
259 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ~~1.5~~ ✓	24.0 ✓	a 10	a 9	a 9 ✓ ✓
260 ✓	1.5 ~~1.0~~	1.5 ✓	1.5 ✓	18.0 ✓	b 10	b 10	b 10 ✓ ✓
261	2.0 used on A 4272			c 9			
~~262~~	~~1.0~~		"	~~a 6~~			
injected							
237	2.0		"	b 2			
~~239~~	~~1.0~~	injected	"	~~b 9~~			
~~243~~	~~1.0~~		"	~~a 10~~			
star							
(71) 241	1.5			a 9			

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1930phae.proj.231M

			17.3246
(116) 242	1.0		a 9
~~239~~	~~2.0~~		~~b10~~
(8) 235	2.0		b 9
234	3.0	used on 14272	b 8
(50) 249	1.0		a 9
(141) 245	1.5		a 8
(54) 243	1.5		b10
(56) 244	2.0		a 8
(137) 246	1.5		b 7
(61) 247	1.0		b10
(54) 370	1.0		a 9
~~371~~	~~1.0~~		~~a 9~~
372	1.5	used on 14269	a 8
373	1.0	"	b 9
374	1.5	"	a 9

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1936phae.proj.23.1M

H 3946

375	2.0	med on 17 14 26 9			b f			
376	1.0	"			b 9			
~~377~~	~~1.0~~				~~a 9~~			
2F6 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ✓	24.0 ✓	a 9	a f	a ✓ 9 ✓	
2F7 ✓	2.0 ~~1.0~~	✓ 2.0	2.0 ✓	24.0 ✓	b 6	c 6	b ✓ 6 ✓	
2F8 ✓	4.0 ~~2.0~~	4.0 ~~3.0~~	4.0 ✓ ~~2.5~~	48.0 ✓	c f	a 9	b ✓ 9 ✓	
24f	1.0	med on 17 14 26 9			b 9			
289 ✓	2.5 ~~1.5~~	2.5 ~~2.0~~	2.5 ✓ ~~2.0~~	30.0 ✓	a 9	b f	a ✓ 9 ✓	
290 ✓	2.0 ~~1.5~~	✓ 2.0	2.0 ✓ ~~1.5~~	24.0 ✓	a 9	b 9	b ✓ 9 ✓	
291 ✓	3.0 ~~1.5~~	3.0 ~~2.0~~	3.0 ✓ ~~2.0~~	36.0 ✓	b f	b 7	b ✓ 7 ✓	
2F2 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ✓ ~~1.0~~	24.0 ✓	b 10	b 10	b ✓ 10 ✓	
2F3 ✓	4.0 ~~2.5~~	✓ 4.0	4.0 ✓	48.0 ✓	Lf 3	Lf 4	Lf ✓ ✓ 3 ✓	120.0
2F1 ✓	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ✓ ~~1.5~~	24.0 ✓	a 9	a 9	a ✓ 9 ✓	
2F0 ✓	2.0 ~~1.5~~	✓ 2.0	2.0 ✓ ~~1.5~~	24.0 ✓	b 7	b 7	b ✓ 7 ✓	
2F5 ✓	1.5 ~~1.0~~	1.5 ~~1.0~~	1.5 ✓ ~~1.0~~	18.0 ✓	b 10	b 10	b ✓ 10 ✓	

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					"	HN 3346		
	277 ✓	2.5 ~~1.5~~	2.5 ~~2.0~~	~~2.5~~ ✓	30.0	a f	a f	a f
	263 ✓	2.0	2.5	2.5 ✓	30.0 ✓	a f	a f	a f
	264 ✓	3.0 ~~1.0~~	3.0 ~~2.0~~	3.0 ✓ ~~1.5~~	36.0 ✓	b 9	b 9	b 9
	265 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ✓ ~~1.0~~	24.0 ✓	b 9	b 10	b 10 ✓
	266 ✓	2.0 ~~1.5~~	2.0 ~~1.5~~	2.0 ✓ ~~1.5~~	24.0 ✓	c 9	c 9	c 9
	267 ✓	2.5 ~~1.5~~	2.5 ✓	2.5 ✓ ~~2.0~~	30.0	b f	b f	b f
(2)	268	2.0				a 9		
(1)	269	2.0				b 9		
(6)	272	1.5				c 9		
(163)	273	1.0				b 9		
	392 ✓	2.0 ~~1.5~~	2.0 ✓	2.0 ✓ ~~1.5~~	24.0 ✓	b 9	b 9	b 9
	393 ✓	2.0 ~~1.0~~	2.0 ✓	2.0 ✓ ~~1.5~~	24.0	a 9	b f	a 9
	~~394~~	~~1.0~~	rejected			b 9		
	~~395~~	~~1.0~~	rejected			b f		
	397 ✓	2.0 ~~1.0~~	2.0 ✓	2.0 ✓	24.0 ✓ ✓	ε 10	d 9	d 9

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				H. ✓	"A. 3346		
396 ✓	2.0 ~~1.5~~	2.0	2.0 ~~1.5~~	24.0	c9	c9	c9
	years found?						
39F ✓	2.0 ~~1.0~~	2.0	2.0 ~~1.0~~	24.0	b9	a8	a9
~~274~~	~~1.5~~				~~b8~~		
(174) 405	2.0				c7		
~~349~~	~~2.0~~				~~b6~~		
(287) 400	2.0				b9		
(288) 401	2.0				b8		
(320) 402	2.0				b8	double nucleus - double nebula?	
(7) 403	1.0				a10		
(8) 404	1.0				b9		
(11) 406	3.0				b6		
(10) 407	3.0				b9		
~~280 ✓~~	~~3.0~~	Duplicate. See page 217			~~b8~~		~~120°~~
284 ✓	2.0 ~~1.0~~	1.5	1.5	18.0	b8	b6	b7
279 ✓	1.5 ~~1.0~~	1.5	1.5	18.0	b9	b7	b8

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H.2341

276 ✓	1.5 ~~1.0~~	✓ 1.5	1.5 ✓ ~~1.0~~	✓ 18.0	b10	b10	✓ ✓ b10
275 ✓	3.0 ~~2.0~~	3.0 ~~2.0~~	3.0 ✓ ~~2.0~~	✓ 36.0	b9	b9	✓ ✓ b9
388 ✓	2.0 ~~1.0~~	2.0 ~~1.5~~	2.0 ✓ ~~1.5~~	✓ 24.0	b10	b10	✓ ✓ b10
389 ✓	1.5 ~~1.0~~	✓ 1.5	1.5 ✓ ~~1.0~~	✓ 18.0	b10	b10	✓ ✓ b10
390 ✓	1.5 ~~1.0~~	1.5	1.5 ✓	✓ 18.0	a9	a9	✓ ✓ a9
391 ✓	2.0 ~~1.0~~	2.0	2.0 ✓ ~~1.5~~	✓ 24.0	b8	c8	✓ ✓ c8
(2) ~~295~~	~~1.0~~				~~a10~~		
(1) ~~296~~	~~1.0~~				~~b9~~		
(6) ~~297~~	~~1.0~~				~~a9~~		
(153) 298 ✓	1.5 ~~1.0~~	✓ 1.5	✓ 1.5	✓ 18.0	a8	b8	✓ ✓ a8
292 ✓	2.0 ~~1.0~~	2.0 ~~1.0~~	2.0 ✓ ~~1.0~~	✓ 24.0	b9	b9	✓ ✓ b9
(84) 293	1.5				a9		
304	1.5	"	H14269		a9		
305	2.0	"			a9		
306	1.0	"			c9		

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