

Correction of an Error in the Account of Mr. Thomson's MS. Tables.

By J. W. L. Glaisher, Esq.

I owe to Professor Winnecke, Director of the University Observatory of Strasburg, the correction of an error in the account of Mr. Thomson's MS. Table of Logarithms. On page 462 (*Notices*, vol. xxxiv), referring to a certain table contained in Borda and Delambre's *Tables trigonométriques décimales*, I have said that there was no information to be found regarding it, so that there could be no doubt that it was calculated by Borda himself. Professor Winnecke has kindly called my attention to p. 77 of the *Préface de l'éditeur*, where occurs the following passage, which I had failed to notice: "C'est par ces formules, mais en me bornant aux Δ^3 , que j'ai calculé les logarithmes à 11 décimales, depuis 100,000 jusqu'à 102,000. Ces logarithmes étaient annoncés dans la préface de Borda, et même il paraît qu'il les avait fait calculer, puisqu'il les suppose, dans l'exemple qu'il donne, pour trouver à 10 décimales le logarithme d'un nombre quelconque." I may here mention that the blanks in the first column opposite the numbers 89,182, 89,185, on p. 470 are due to the printer; the spaces should be occupied, as is evident from the last column but one, by the figures 7 and 6.

A Preliminary Catalogue of Nebulæ observed at Upsala.

By Dr. Herman Schultz.

For the purpose of forming an exact and somewhat extensive Catalogue of Nebulæ, I have during the last ten years employed a considerable time in making micrometrical measures of the distances between celestial objects of this kind and properly selected comparison-stars, in the carrying out of which the 13-feet Steinheil refractor belonging to the Observatory has been always employed. As, however, great and unanticipated difficulties presented themselves in the prosecution of the original plan for the work, the hitherto obtained results of the observations are far less extensive than I had hoped. A detailed account of this work is newly published in the *Memoirs* of the Royal Society of Upsala.

Definite positions for the Nebulæ cannot be given until after some few years, when I shall have had sufficient time for

revising and controlling my own observations, and, through friendly co-operation of other astronomers, shall have received reliable positions for all the stars of comparison employed. As, however, only a very limited number of exact positions of Nebulæ have up to the present time been published, I think the circumstances make it proper that I should in the meantime publish the following Preliminary Catalogue. Some of the positions will indubitably reappear more or less sensibly modified in the Definitive Catalogue, but the existence of considerable errors in the positions I look upon as quite improbable. A detailed Catalogue of the known positions of the 440 stars of comparison is for publication presented to the Royal Academy of Sciences in Stockholm. For the details of my work I refer besides to the above indicated communication to the Royal Society of Upsala (*Micrometrical Observations of 500 Nebulæ*).

The mode of description for the Nebulæ by means of numbers, here employed, was first proposed by Sir John Herschel in the *Results of Astronomical Observations made at the Cape of Good Hope*; and to this work I consequently have to refer my readers for the principles of the descriptive system in question, as well as for the corresponding classification of Nebulæ—in *regular* and *irregular nebulæ* and *irregular clusters*—there proposed by Sir John.

For convenience sake I nevertheless here below insert the descriptive scheme actually employed by me with additional notes from my *Micrometrical Observations of 500 Nebulæ*. This scheme for one especial reason ought not to be omitted here, namely, because I have in the details somewhat modified the original Herschelian terminology in the work referred to, with a view to assimilating it as nearly as possible to that adopted by Sir John in his last great work on Nebulæ—the *General Catalogue*. The mode of description proposed in the *Cape Observations* is, however, much more summary than that of the *General Catalogue*, and for facilitating its employment I have even more simplified it, to a system which, as far as my experience enables me to judge, is quite sufficiently precise for the purpose.

Such cursory descriptions as those I here have in view, as a supplement to Catalogues of the co-ordinates of Nebulæ, are evidently quite a different thing from monographical descriptions, in which no perceptible details ought to be omitted. Monographical descriptions cursorily made are worthless; but descriptions which are intended only to be of use as cursory, would lose much in perspicuity by intruding into them monographical details. Should such interesting details accidentally be obtained, they may, in a catalogue of positions of nebulæ, most conveniently be appended in the form of notes.

Sub-Classification of Regular Nebulæ.

(SIR JOHN HERSCHEL'S CLASS I.)

Sub-classes } in respect of }	Magnitude.	Brightness.	Roundness.	Condensation.	Resolubility.
1	Extremely or very large.	Extremely or very bright.	Nearly circular.	Nuclear.	Resolved.
2	Large or considerably large.	Bright or considerably bright.	Irregularly round.	With a strong central con- densation.	Partially resolved.
3	Pretty large.	Pretty bright.	Oval.	With a fainter or a faint central condensation.	Resoluble.
4	Pretty or considerably small, or small.	Pretty or considerably faint, or faint.	Elongated.	Without a central condensation.	Granulate or Spotted.
5	Very or extremely small.	Very or extremely faint.	Much elongated.	Annular.	Milky.
				*	

For the understanding of this scheme, the few following elucidative remarks on its respective columns will probably be sufficient:—

Magnitude (col. 1).

$$1 = > 4'. \quad 2 = \begin{matrix} < 4' \\ > 2' \end{matrix}. \quad 3 = 1' \text{ to } 2'. \quad 4 = \begin{matrix} < 1' \\ > \frac{1}{3}' \end{matrix}. \quad 5 = < \frac{1}{3}'.$$

In the case of "much elongated" nebulæ the magnitude is not indicated.

Brightness (col. 2).

1 = only a few of the brightest nebulæ of *Sir William Herschel's* Class I. and Class VI.

2 = the brighter nebulæ, Class I.

3 = the middle-bright and fainter nebulæ, Class I.; and the brightest Class II.

4 = the faintest nebulae, Class II.

5 = Class III.

So far as an immediate comparison of the brightness of nebulae with that of the stars is possible, I assume the nebulae of the 1st class of brightness to be brighter than a star of the 9th magnitude (Besselian scale); those of the 5th class to be fainter than a star of 12.5 magnitude; and the middle-bright (cl. 3) to correspond in brightness to stars from about the 10.5 to about the 11.5 magnitude. But as those estimations in many cases must become extremely difficult, it is evident that here nothing like a high degree of precision can be expected.

Roundness (col. 3).

3 = length not more than double the breadth.

4 = length not exceeding 5 times the breadth.

5 = length 5 times the breadth or more.

Condensation (col. 4).

In this column of our scheme a * is inserted in the 6th line to remind the reader of the following notation:—

If the nebulae of the degrees of condensation 2, 3, 4, have a star in the middle, and which in such cases is of course the point observed, I put in the 4th place of their description respectively, *2, *3, *4; and, if nothing is said of the condensation, simply a *.

Resolubility (col. 5).

2 = resolved part of the nebula quite or nearly free from nebulosity.

3 = single stars steadily visible on nebulous ground, or only momentarily seen glimmering through the nebulosity.

Lastly, it is to be remarked that a zero in any of the descriptive places always indicates that no description in that respect could be obtained. After the 5 places of description the magnitude of the nucleus of the central star (*) is indicated according to the Bessel-Argelandrian scale. When the object observed is a star, its magnitude merely is given in the descriptive column.

This may be illustrated by a few examples:—

321 1 3 (10) = nebula, on an average 1' to 2' in diameter; of the brighter ones of *W. Herschel's* Class I.; nearly circular; with a nucleus of the 10th mag.; nebulosity with more or less evident traces of resolubility.

242 *2 4 (12) = nebula, on an average 2' to 4' in diameter; of the faintest of Class II. (*W. H.*); irregularly round; strongly condensed; with a central star of 12th mag.; light not equable.

433 * o (11-12)=nebula, on an average $\frac{1}{3}$ ' to 1' in diameter; middle-bright; a little elongated; with a central star, 11-12 mag.; respecting condensation and resolvibility, nothing remarked.

The description of a Nebula ought in all cases also to indicate to which of Sir J. Herschel's three classes it belongs; and as, in observations such as the present, objects of the third class do not occur, the simplest course appears to be only to indicate the class when the object belongs to the second class, it being understood that, where no class is mentioned the Nebula is of the first class. In the few here occurring objects of the second class I have thought it best, in so summary descriptions as the present, simply to state the brightness of the stars within them observed.

It is indubitable that it would insure many advantages if the Herschelian mode of description here in question were generally adopted in the Catalogues of *Nebulæ*.

Catalogue of the Nebulæ.

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	o	'	"	
G.C. 1	0	0	19.33	+26	57	21.6	451 * 5 13
<i>h</i> 1	0	1	49.14	+3	51	29.6	452 3 0
<i>h</i> 2	0	1	50.36	+32	40	53.3	541 0 5
<i>h</i> 4	0	2	7.21	+26	58	40.4	431 * 4 11
Nova I	0	2	26.15	+26	58	51.3	542 *4 5 12
* <i>a</i> (Nova II)	0	2	35.95	+32	33	30.2	10
<i>h</i> 6	0	3	47.68	+32	36	3.3	443 * 5 13
<i>h</i> 7	0	5	19.49	+30	20	22.4	452 3 0
<i>h</i> 9	0	6	1.64	+30	11	49.6	550 *3 0
<i>h</i> 13	0	8	33.00	+16	34	40.0	431 1 3 11-12
<i>h</i> 16	0	14	10.31	+21	36	28.8	441 1 3 12
<i>h</i> 17	0	14	22.08	+21	41	5.2	442 *2 3 12-13
G.C. 40	0	14	50.94	+21	39	1.8	452 * 5 13
G.C. 41	0	14	51.27	+21	37	8.2	551 * 5 12-13
G.C. 42	0	15	2.56	+21	39	31.9	442 * 5 12
<i>h</i> 21	0	18	55.75	+28	27	50.7	432 1 4 11-12
<i>h</i> 23	0	21	54.77	+2	5	31.7	541 *3 3 13
<i>h</i> 25	0	22	19.83	+27	5	3	432 1 5 12
<i>h</i> 26	0	23	15.05	+1	20	45.9	442 *3 3 13
<i>h</i> 32	0	28	58.14	+23	12	48.8	541 * 4 12-13
G.C. 80	0	29	3.39	+23	13	12.7	551 4 5
G.C. 82	0	29	45.69	+23	14	44.7	441 *3 3 13

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	°	'	"	
<i>h</i> 33	0	30	16.87	+	1	11 52.1	452 *3 5 13
<i>h</i> 39	0	32	18.61	+	0	7 20.9	443 * 5 11-12
<i>h</i> 40	0	32	22.24	+	2	17 40.2	432 1 5 12-13
<i>h</i> 37	0	32	22.35	+	2	35 19.5	542 * 5 12-13
<i>h</i> 41	0	32	23.44	+	0	10 15.5	542 1 5 11-12
II 857	0	32	27.14	+	2	3 20.3	442 1 5 12-13
II 858	0	32	38.39	+	2	8 38.6	542 4 5
<i>h</i> 42	0	32	48.16	+	2	33 27.8	400 * 0
<i>h</i> 44	0	33	2.37	+	40	56 35.1	0
G.C. 5058	0	35	16.10	+	0	9 51.1	551 * 5
<i>h</i> 51	0	35	20.75	+	40	7 28.5	411 1 0 8-9
G.C. 119	0	35	20.93	+	0	6 18.4	441 1 5
<i>h</i> 50	0	35	22.98	+	40	31 40.4	0
<i>h</i> 59	0	40	48.60	+	26	53 10.6	442 * 5 13
<i>h</i> 65	0	42	30.39	+	31	32 28.1	541 *4 2 12-13
<i>h</i> 78	0	50	13.96	+	29	32 59.3	451 * 0 12-13
<i>h</i> 79	0	50	29.76	+	29	37 17.2	441 * 0 12
<i>h</i> 84	0	59	50.16	+	31	47 52.2	432 3 0
<i>h</i> 85	0	59	52.06	+	31	45 37.9	031 0 0
G.C. 205	0	59	58.29	+	31	40 56.5	541 1 0 13
<i>h</i> 86	0	59	59.26	+	31	41 26.2	031 1 0 11-12
G.C. 207	0	59	59.43	+	31	34 15.1	551 4 5
G.C. 208	1	0	1.49	+	31	35 51.5	551 4 5
<i>h</i> 87	1	0	56.23	+	32	24 43.6	541 1 5 12-13
<i>h</i> 88	1	1	1.00	+	38	55 20.2	452 * 3 13-14
G.C. 217	1	1	47.12	+	32	1 50.9	453 2 0
<i>h</i> 89	1	1	55.83	+	34	59 49.4	432 * 3 11-12
Nova III	1	3	8.06	+	32	24 25.7	452 2 5
II 219	1	3	22.67	+	32	25 57.7	550 * 5
II 220	1	3	30.34	+	32	25 57.7	442 1 4 12
Nova IV	1	3	48.91	+	32	23 40.1	452 2 5
<i>h</i> 90	1	4	41.78	+	31	24 14.7	441 2 5
G.C. 250	1	8	6.40	+	32	21 8.1	442 * 5
I 108	1	12	12.25	+	2	35 22.2	442 *3 3 12-13
III 250	1	12	46.77	+	2	41 57.6	343 1 5
III 251	1	13	8.77	+	2	42 21.2	531 1 5 11
<i>h</i> 102	1	14	21.77	+	32	48 48.0	452 * 4 12-13
<i>h</i> 103	1	14	46.87	+	4	32 55.4	030 1 0 12

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.		
	h	m	s	°	'	"			
G.C. 274	1	14	49.49	+	8	30 0.8	443	2	5
<i>h</i> 104	1	15	21.26	+	32	27 59.4	343	3	4
III 156	1	15	21.36	+	32	45 49.4	552	*	0 12
II 1451	1	15	29.64	+	32	43 48.4	050	*	0 13
III 158 = <i>h</i> 106	1	15	36.92	+	32	45 12.8	432	1	4 11-12
G.C. 293	1	15	51.64	+	8	20 33.0	441	1	5 12
G.C. 291	1	15	54.25	+	32	29 56.2	541	1	5 12
<i>h</i> 108	1	16	5.77	+	32	33 2.2	431	1	5 11-12
<i>h</i> 109	1	16	6.22	+	32	34 32.0	542	2	5
Nova V	1	16	20.73	+	32	47 29.6	543	*	0 12
<i>h</i> 113	1	17	3.12	+	32	46 5.3	442	2	5
<i>h</i> 114	1	17	9.19	+	32	43 29.6	442	*	5 12
<i>h</i> 117	1	17	42.57	+	8	50 1.7	432	1	3 11-12
G.C. 308	1	17	47.97	+	8	59 51.0	552	1	5 13
<i>h</i> 118	1	18	2.61	+	34	0 34.3	441	2	2
<i>h</i> 120	1	18	43.72	+	34	0 16.2	443	3	4
G.C. 348	1	25	10.50	+	29	57 9.5	443	*3	5 13
G.C. 349	1	25	37.20	+	29	56 58.2	443	*3	3 12
D.'A. Nova	1	25	58.52	+	29	59 52.7	442	*3	5
<i>h</i> 131 (* <i>a</i>)	1	26	18.14	+	29	58 35.9	Class II.		11-12
<i>h</i> 133	1	26	56.78	+	30	5 25.0	433	1	3
<i>h</i> 142	1	29	27.53	+	15	5 30.4	432	3	4
II 253	1	35	49.85	+	12	57 43.5	345	1	5
<i>h</i> 147	1	36	38.11	+	28	1 8.1	542	*	0 12
<i>h</i> 149	1	39	48.86	+	27	12 32.6	443	1	0
<i>h</i> 150	1	40	16.55	+	26	45 26.3	244	1	5
II 228	1	41	58.45	+	21	19 27.6	444	3	0
II 229	1	42	20.80	+	21	17 53.2	432	1	3 12
<i>h</i> 152	1	42	37.93	+	26	58 17.5	444	*	0 12-13
<i>h</i> 169	1	48	52.42	+	32	22 54.9	541	*	0 12
<i>h</i> 175	1	49	42.42	+	32	32 50.0	443	*	3 13
G.C. 461	1	51	49.33	+	18	17 49.3	441	1	5 12
<i>h</i> 181	1	51	55.47	+	18	21 0.4	331	1	5 11-12
<i>h</i> 182	1	52	27.34	+	30	46 25.5	441	*	4 12
<i>h</i> 194	2	0	36.00	+	38	8 1.3	443	3	5
<i>h</i> 193	2	1	8.62	+	10	21 9.2	531	*	0 12
<i>h</i> 197	2	1	58.15	+	38	33 3.4	450	*	4 12-13
<i>h</i> 208	2	9	50.26	+	13	55 2.1	444	3	5

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.			
	h	m	s	o	'	"				
<i>h</i> 210	2	10	39.33	+	13	55 5.0	442	3	4	
<i>h</i> 217	2	14	0.77	+	32	38 48.0	443	1	4	12
<i>h</i> 226	2	22	33.07	+	36	31 58.2	434	1	5	
<i>h</i> 231	2	26	1.91	+	32	21 7.0	442	1	0	12
<i>h</i> 233	2	26	19.63	+	32	21 30.3	450	3	0	
<i>h</i> 234	2	26	41.73	+	32	15 8.7	441	*	4	12-13
<i>h</i> 242	2	31	57.79	+	38	28 46.8	530	1	0	11-12
<i>h</i> 257	2	35	7.55	+	31	50 52.7	441	1	3	12
<i>h</i> 260	2	35	41.96	+	31	53 56.0	452	*	0	12-13
II 619	2	51	48.74	+	24	41 50.2	350	3	5	
<i>h</i> 315	4	21	22.75	+	34	58 47.7	042	3	3	
<i>h</i> 316	4	23	43.80	+	0	21 55.1	442	1	0	12
<i>h</i> 317	4	23	47.44	+	0	22 5.4	551	*	0	12-13
<i>h</i> 318	4	23	48.09	+	0	34 5.9	030	1	0	
<i>h</i> 355 (*a)	5	22	31.34	+	34	8 21.8	Class II			11
<i>h</i> 359	5	29	1.19	+	31	54 5.2	442	*3	3	12
<i>h</i> 365	5	34	42.55	+	9	0 53.6	532	1	3	
<i>h</i> 368 (*a)	5	39	48.63	+	0	1 18.9	Class II			
<i>h</i> 368 (*b)	5	39	49.92	+	0	2 7.5				
<i>h</i> 368 (*c)	5	39	50.79	-	0	0 36.5				
<i>h</i> 393	6	25	14.69	+	10	15 16.1	020	*	0	
<i>h</i> 399 (*a)	6	31	47.50	+	8	51 8.2	Class II			10
Dunér, Nova	6	37	56.09	+	60	59 25.6	442	*	4	12-13
<i>h</i> 406	6	38	24.72	+	33	42 8.5	540	*	0	
<i>h</i> 407	6	38	25.43	+	33	44 8.9	052	1	5	
<i>h</i> 434	7	0	25.98	+	18	59 15.4	351	3	3	
<i>h</i> 444	7	17	2.98	+	29	44 59.9		0		
<i>h</i> 445	7	17	5.07	+	29	45 16.1		0		
<i>h</i> 447	7	19	40.64	+	34	6 24.7	551	0	5	
<i>h</i> 448	7	20	5.58	+	34	5 20.5	541	1	5	
<i>h</i> 449	7	20	16.74	+	34	7 54.0	441	1	5	13
<i>h</i> 450	7	21	11.23	+	21	11 5.7	411	*	0	8-9
G.C. 1537	7	22	55.89	+	0	3 51.0	552	1	0	
G.C. 1538	7	23	0.89	+	0	3 43.5	552	1	0	13
<i>h</i> 456	7	28	4.09	+	35	32 17.0	541	3	4	
<i>h</i> 457	7	28	59.34	+	39	10 47.7	332	3	4	
II 616	7	35	37.56	+	32	58 6.1	443	*3	3	12
<i>h</i> 481	7	53	57.29	+	16	4 44.3	442	1	4	12

Nebula.	Mean Right Ascension, 1865°o.			Mean Declination, 1865°o.			Description.
	h	m	s	°	'	"	
<i>h</i> 483	7	55	3.45	+	9	47 7.2	431 * 0 12
<i>h</i> 482	7	55	5.09	+	23	45 54.5	442 2 3
<i>h</i> 489	8	1	35.80	+	34	20 56.6	542 *3 4
<i>h</i> 494	8	6	18.99	+	21	45 40.2	440 2 0
<i>h</i> 495	8	8	2.29	+	58	13 1.6	433 1 3 11
<i>h</i> 497	8	9	52.91	+	23	53 13.4	542 1 3 11-12
<i>h</i> 500	8	12	30.50	+	21	33 9.7	541 * 0 12-13
<i>h</i> 501	8	12	42.81	+	21	29 23.5	541 * 0 12-13
II 259	8	14	56.48	+	22	58 51.2	432 1 5 11-12
<i>h</i> 507	8	24	15.67	+	23	0 46.9	542 * 4 12
<i>h</i> 526	8	41	39.76	+	19	34 16.7	432 1 0 11-12
<i>h</i> 530	8	43	49.67	+	51	49 7.9	422 1 5 10-11
<i>h</i> 532	8	44	17.33	+	33	55 30.6	224 1 0
<i>h</i> 550	8	56	52.44	+	61	0 54.3	354 3 3
<i>h</i> 557	9	0	32.36	+	21	59 2.2	442 2 4
<i>h</i> 565	9	3	1.88	+	9	14 41.7	352 3 4
<i>h</i> 564	9	3	9.49	+	7	35 6.1	431 * 0 10-11
<i>h</i> 566	9	4	2.53	+	35	34 39.2	442 3 3
<i>h</i> 567	9	4	22.95	+	35	28 25.8	452 3 3
<i>h</i> 577	9	9	10.68	+	20	45 35.2	541 1 5 12
<i>h</i> 578	9	9	27.82	+	20	37 51.7	551 * 5 12-13
<i>h</i> 584	9	12	41.20	+	51	32 49.9	432 1 0
<i>h</i> 593	9	16	3.32	+	35	5 22.5	432 1 0 12
<i>h</i> 597	9	18	24.05	+	12	0 44.8	431 * 5 11
<i>h</i> 598	9	18	28.95	+	12	0 13.6	442 * 5 12
<i>h</i> 596	9	18	59.09	+	63	4 29.2	441 1 4 12
I 56	9	24	30.96	+	22	5 35.9	233 1 4 11
I 57	9	24	32.82	+	22	6 40.5	233 1 4 13
<i>h</i> 608	9	26	31.29	+	10	44 55.1	443 3 3
<i>h</i> 609	9	26	48.15	+	10	42 19.8	442 * 4 12-13
<i>h</i> 622	9	34	53.69	+	32	27 40.3	333 3 3 11-12
<i>h</i> 624	9	35	11.27	+	32	32 35.6	432 * 4 11-12
<i>h</i> 627	9	35	30.70	+	32	35 35.4	552 *3 5 12-13
<i>h</i> 630	9	35	44.36	-	3	5 3.8	432 * 0 12
G.C. 1916	9	39	4.43	+	22	36 54.0	452 * 0 13
<i>h</i> 634	9	39	13.55	+	22	38 10.5	552 * 4 12-13
<i>h</i> 636	9	39	39.40	+	22	42 46.1	452 2 3
<i>h</i> 645	9	42	56.01	+	34	10 55.8	442 3 2

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	°	'	"	
<i>h</i> 650	9	44	17.91	+29	52	3.7	541 * 0 12
<i>h</i> 649	9	44	20.99	+69	41	56.0	322 * 0 10
<i>h</i> 656	9	48	15.41	+4	54	23.6	043 1 2 12-13
<i>h</i> 659	9	50	54.59	+11	0	4.7	431 * 0 12-13
<i>h</i> 658	9	52	23.53	+69	22	56.6	030 2 4
<i>h</i> 663	9	54	39.34	+25	21	39.9	443 * 4 11-12
<i>h</i> 668	9	58	30.64	-7	3	53.8	224 1 0 9-10
<i>h</i> 682	10	6	1.17	+23	24	10.8	452 3 3
<i>h</i> 684	10	6	45.42	+4	5	29.2	031 * 0 10-11
<i>h</i> 685	10	7	14.62	+4	8	3.4	432 * 0 11-12
G.C. 2054	10	10	11.16	+22	21	44.3	042 * 3 13
<i>h</i> 692	10	10	38.36	+22	30	20.2	334 * 0 11-12
<i>h</i> 693	10	10	57.31	+22	34	3.7	431 * 0 11-12
G.C. 2084 (1)	10	15	10.97	+20	33	39.6	551 * 5 13
G.C. 2084 (2)	10	15	11.52	+20	34	1.6	541 * 5 12
II 28	10	16	3.88	+20	34	44.7	331 * 0 11
II 29	10	16	7.65	+20	32	45.6	331 * 0 11
<i>h</i> 711	10	19	42.91	+29	11	35.0	332 * 0 11
<i>h</i> 713	10	20	19.25	+23	32	2.3	442 * 5 11-12
<i>h</i> 714	10	21	43.47	+30	10	49.7	433 1 4 12
Nova V	10	24	14.37	+29	9	38.3	542 * 4 12-13
<i>h</i> 721	10	25	22.32	+29	12	17.9	332 1 4 11-12
<i>h</i> 724	10	28	27.60	+38	1	21.1	334 1 4
<i>h</i> 728	10	29	34.17	+22	34	50.3	432 * 0 11-12
<i>h</i> 737	10	34	57.52	+14	26	58.9	343 3 3
<i>h</i> 739	10	36	6.55	+25	37	46.4	442 * 3 4 12
<i>h</i> 743	10	36	49.83	+12	24	37.4	31 * 5 10-11
<i>h</i> 748	10	39	25.46	+14	27	35.0	331 1 4
<i>h</i> 749	10	39	37.94	+12	31	43.6	020 1 0 9-10
<i>h</i> 754	10	40	32.87	+14	41	47.4	530 * 0 11
<i>h</i> 757	10	40	41.35	+13	17	30.1	421 1 2 9-10
<i>h</i> 758	10	41	8.69	+13	20	25.6	420 1 0 10
<i>h</i> 761	10	41	18.96	+13	14	22.8	0
<i>h</i> 765	10	42	17.64	+33	41	43.9	443 1 4 12
<i>h</i> 766	10	42	22.89	+33	42	12.0	541 * 0 12
<i>h</i> 774	10	43	44.56	+14	7	34.4	400 1 0 10-11
II 493	10	43	49.42	+33	28	55.7	341 1 5
<i>h</i> 773	10	43	51.22	+28	41	23.4	431 1 4 11

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	°	'	"	
h 775	10	43	58.60	+28	49	37.6	442 I 4 12-13
II 494 (* a)	10	44	17.88	+33	36	55.0	444 3 0 12
I 118	10	44	40.06	+33	39	57.9	343 *3 4
h 784	10	44	59.33	+ 4	30	27.5	441 * 0 13
h 805	10	53	1.41	+29	41	55.2	332 *2 3 11-12
h 806	10	53	11.49	+14	37	25.3	030 0 0
h 810	10	55	51.32	+28	41	54.0	433 I 5 11
h 813	10	56	22.51	+29	36	47.0	344 3 4
h 815	10	56	43.25	+28	45	43.4	441 I 3 12-13
h 818	10	58	53.57	+ 0	41	31.4	020 I 0 10-11
h 838	11	6	57.72	+55	45	3.5	241 4 4
h 840	11	7	33.32	+13	33	9.6	333 * 5 12
h 843	11	8	19.46	+18	50	41.3	431 * 0 11-12
h 844	11	9	39.34	+18	45	10.2	441 * 0 12-13
h 845	11	9	47.48	+18	47	15.4	431 I 0 10
h 846	11	9	51.75	+18	53	4.3	431 I 0 11-12
h 847	11	10	30.90	+59	31	22.9	433 I 3 10-11
h 854	11	11	52.73	+13	49	47.6	124 I 3 11
h 856	11	12	57.47	+19	5	40.7	431 I 0 11
h 857	11	13	12.09	+13	43	47.3	233 I 3 11
h 859	11	13	12.93	+14	19	57.1	035 2 5
h 861	11	13	20.24	+ 3	42	12.7	533 I 5 11-12
h 864	11	14	10.07	+ 3	58	29.1	433 I 3 10-11
h 871	11	15	19.08	+38	30	15.5	443 2 4
h 881	11	17	24.88	+39	30	15.4	432 I 0 11-12
h 891	11	19	25.85	+17	36	17.5	432 I 5 12
h 890	11	19	38.50	+67	19	56.9	043 * 0 12
h 892	11	19	53.16	+57	37	9.2	445 3 4
h 893	11	20	7.10	+17	46	17.6	442 *3 4 12-13
h 894	11	20	39.93	+17	57	57.4	342 *3 3 12-13
h 897	11	21	3.65	+26	24	11.1	443 I 5
h 898	11	21	5.39	+17	39	47.1	453 I 5 12-13
h 902	11	23	8.16	+10	1	15.2	433 I 3 11-12
h 933	11	32	46.64	+18	27	31.8	542 0 0
h 938	11	33	10.43	+25	26	40.5	443 I 3 12
h 939	11	33	16.56	+18	28	25.3	442 3 3
h 940	11	33	17.80	+18	30	47.2	552 * 0 13
h 943	11	34	0.09	+12	13	7.9	442 2 3

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.			
	h	m	s	°	'	"				
<i>h</i> 944	11	34	4.47	+25	34	10.1	542	*3	4	12
<i>h</i> 945	11	34	9.76	+37	17	40.4	443	2	4	
<i>h</i> 946	11	34	36.46	+25	32	53.4	053	1	5	13
<i>h</i> 988	11	42	8.95	+27	46	17.9	433	*2	0	
<i>h</i> 1005	11	45	53.39	+37	44	18.3	422	1	0	10-11
<i>h</i> 1017	11	49	24.89	+55	52	34.8	432	2	3	
<i>h</i> 1029	11	50	32.70	+56	12	36.2	443	*3	3	12
<i>h</i> 1031	11	50	54.17	+56	12	19.2	432	1	3	10-11
<i>h</i> 1047	11	52	26.38	+51	42	47.9	035	1	4	11
<i>h</i> 1049	11	53	37.30	+20	49	33.7	343	*2	3	12
<i>h</i> 1050	11	54	28.93	+62	38	50.6	334	1	4	11-12
<i>h</i> 1054	11	55	15.45	+62	53	18.6	432	*2	3	12
I 224	11	58	30.18	+51	6	10.5	344	3	0	
I 206	11	58	40.21	+51	17	33.4	234	3	0	
<i>h</i> 1087	11	59	56.17	+67	54	51.2	442	3	0	
<i>h</i> 1088	12	0	11.22	+43	49	0.7	035	1	3	11
<i>h</i> 1091	12	0	55.25	+43	52	43.0	551	0	0	
Hind, Nova	12	1	19.10	+65	55	36.8	432	1	0	11-12
<i>h</i> 1106	12	3	13.22	+19	17	38.1	421	1	3	10
<i>h</i> 1115	12	4	17.35	+20	55	36.3	442	*3	3	12
<i>h</i> 1125	12	5	51.53	+11	37	42.5	255	3	0	
<i>h</i> 1132	12	6	55.70	+15	39	3.5	035	*2	3	12
<i>h</i> 1140	12	8	16.27	+33	56	52.1	431	1	3	11-12
<i>h</i> 1146 α	12	8	51.87	+37	4	43.4	330	*2	5	11-12
<i>h</i> 1147 β	12	8	53.45	+37	4	17.9	000	*	0	12-13
<i>h</i> 1147	12	9	1.09	+7	9	6.2	442	1	3	12
<i>h</i> 1148	12	9	1.77	+13	54	1.5	224	1	2	10
<i>h</i> 1153	12	9	40.65	+8	12	42.5	443	*	0	13
<i>h</i> 1161	12	10	14.15	+8	22	28.1	432	1	0	12
<i>h</i> 1159	12	10	16.81	+7	56	28.1	033	*	0	
<i>h</i> 1162	12	10	19.92	+16	4	28.2	443	3	0	
<i>h</i> 1168	12	10	48.27	+30	21	27.2	332	1	3	11-12
<i>h</i> 1171	12	11	19.63	+28	55	32.1	434	1	0	10-11
<i>h</i> 1173	12	11	58.06	+15	10	0.6	332	1	3	11-12
<i>h</i> 1178	12	12	28.73	+6	7	31.6	541	*	0	13
<i>h</i> 1177	12	12	28.96	+6	50	57.3	443	1	2	13
<i>h</i> 1176	12	12	29.73	+6	34	29.2	333	1	2	11
<i>h</i> 1179	12	12	39.06	+15	37	43.5	521	1	0	10-11

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	°	'	"	
<i>h</i> 1180	12	12	42.67	+	6	35 46.6	040 * 3 13
<i>h</i> 1178 <i>a</i>	12	12	53.67	+	6	1 59.2	432 1 5 12
G.C. 2849	12	12	55.89	+	6	45 53.0	443 * 0 13
<i>h</i> 1178 <i>b</i>	12	12	56.13	+	6	12 46.5	432 1 0 12
<i>h</i> 1183	12	13	2.61	+	6	5 34.5	332 1 3 11-12
<i>h</i> 1185	12	13	3.20	+	30	21 48.0	333 1 3 11
<i>h</i> 1187	12	13	28.26	+	6	8 8.9	332 1 3 11
<i>h</i> 1196	12	14	22.71	+	5	20 39.8	443 * 0 12-13
<i>h</i> 1204	12	14	46.25	+	30	38 44.8	335 1 3
<i>h</i> 1201	12	14	48.48	+	6	7 58.6	442 *2 5 12-13
<i>h</i> 1202	12	15	1.53	+	5	13 21.3	231 1 0 11
G.C. 2892	12	16	12.78	+	5	59 54.7	432 * 5 11-12
<i>h</i> 1213	12	16	18.55	+	6	49 17.7	452 * 0 13
<i>h</i> 1215	12	16	28.95	+	6	47 20.4	452 * 0 13
<i>h</i> 1222	12	16	41.89	+	6	49 50.4	442 * 4 12
<i>h</i> 1212	12	16	45.44	+	17	28 13.9	442 *3 0 12
<i>h</i> 1221	12	17	8.22	+	17	26 29.6	334 *2 0 11
<i>h</i> 1232	12	17	35.89	+	8	3 59.0	431 1 3 10 11
<i>h</i> 1237	12	18	13.22	+	13	38 5.3	322 1 3 10
<i>h</i> 1239	12	18	21.90	+	15	30 37.7	432 1 4 11
<i>h</i> 1228	12	18	24.74	+	5	40 23.4	432 1 3 11-12
<i>h</i> 1242	12	18	35.44	+	18	56 20.5	323 1 3 10-11
<i>h</i> 1250	12	18	51.33	+	13	33 29.1	442 1 3 12
<i>h</i> 1244	12	18	56.09	+	13	24 34.7	343 1 0
<i>h</i> 1251	12	19	7.03	+	18	57 41.1	443 * 0 12
<i>h</i> 1253	12	19	21.27	+	13	41 38.6	321 1 0 10-11
<i>h</i> 1258	12	19	43.56	+	31	58 16.3	035 1 0 11-12
<i>h</i> 1267	12	20	23.31	+	13	29 2.8	443 * 0 12-13
<i>h</i> 1271	12	20	35.56	+	11	5 18.2	432 2 3
<i>h</i> 1268	12	20	37.14	+	13	2 3.8	453 0 0
<i>h</i> 1274	12	20	50.36	+	13	49 34.1	431 * 0 10-11
<i>h</i> 1272	12	20	50.79	+	13	3 53.8	451 * 0 13-14
<i>h</i> 1275	12	20	55.37	+	13	45 21.3	433 * 0 12
<i>h</i> 1276	12	21	3.33	+	13	2 27.4	432 * 0 12
<i>h</i> 1279	12	21	12.55	+	10	33 6.8	433 1 3 10-11
<i>h</i> 1286	12	22	5.61	+	4	19 4.8	030 1 0 11-12
<i>h</i> 1287	12	22	7.56	+	13	59 21.2	443 * 0 12-13
<i>h</i> 1288	12	22	10.35	+	14	43 32.1	331 1 4 11-12

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.			
	h	m	s	o	'	"				
<i>h</i> 1290	12	22	13.30	+	13	55 51.1	433	1	0	11-12
<i>h</i> 1292	12	22	29.79	+	8	54 14.0	531	1	5	12
Struve, Nova	12	22	39.26	+	8	44 21.3	552	0	0	
II 630	12	22	41.31	+	14	47 43.5	453	*	5	13
<i>h</i> 1293	12	22	46.12	+	8	34 12.2	442	1	4	13
<i>h</i> 1294	12	22	55.20	+	8	44 49.7	221	1	2	10
II 114	12	22	59.10	+	14	10 33.7	332	1	3	11-12
<i>h</i> 1295	12	23	4.11	+	14	48 55.1	433	1	4	12
<i>h</i> 1296	12	23	9.03	+	13	5 42.3	432	*	0	12-13
II 115	12	23	12.47	+	14	22 57.0	332	1	3	11-12
<i>h</i> 1298	12	23	27.37	+	13	4 31.6	432	*	2	11
II 116	12	23	28.77	+	14	19 22.1	453	1	5	13
<i>h</i> 1301	12	23	59.59	+	13	8 16.2	211	1	2	10
<i>h</i> 1305	12	24	8.56	+	8	49 25.4	441	*	4	12-13
<i>h</i> 1307	12	24	40.26	+	26	31 15.2	432	1	3	11-12
<i>h</i> 1312	12	25	10.39	+	15	9 57.9	035	1	0	11
<i>h</i> 1313	12	25	16.11	+	11	55 18.7	433	1	0	11
<i>h</i> 1322	12	26	20.40	+	8	35 50.5	542	*3	5	
<i>h</i> 1329	12	27	11.59	+	8	26 40.6	224	1	3	11
<i>h</i> 1331	12	27	16.48	+	12	4 1.4	532	1	0	11-12
<i>h</i> 1345	12	28	38.09	+	15	14 33.4	333	1	3	11-12
<i>h</i> 1343	12	28	41.34	+	12	57 53.3	433	*	5	11
<i>h</i> 1349	12	28	48.97	+	13	0 29.2	433	*	5	
<i>h</i> 1348	12	28	50.83	+	13	18 2.2	422	1	4	10
<i>h</i> 1356	12	29	37.70	+	12	11 0.4	433	*2	3	11-12
<i>h</i> 1357	12	29	38.59	+	26	43 51.6	135	1	4	12
<i>h</i> 1358	12	29	42.86	+	12	0 10.0	343	2	5	
<i>h</i> 1359	12	29	44.62	+	11	59 0.9	443	2	5	
M. 90	12	30	1.00	+	13	54 25.7	135	1	5	11
<i>h</i> 1361	12	30	2.22	+	7	59 25.8	335	1	3	10-11
<i>h</i> 1368	12	30	54.46	+	12	33 42.3	322	1	3	10-11
<i>h</i> 1371	12	31	35.70	+	5	3 40.4	442	*2	0	11-12
<i>h</i> 1378	12	33	6.31	+	10	55 7.4	432	1	4	11
<i>h</i> 1383	12	34	23.59	+	10	53 50.8	432	1	3	11-12
<i>h</i> 1384	12	34	42.15	+	8	3 25.9	441	*	4	12
<i>h</i> 1386	12	35	13.57	+	12	23 18.8	322	1	2	10
<i>h</i> 1399	12	35	56.49	+	3	25 43.7	231	1	3	11-12
<i>h</i> 1402	12	35	58.72	+	12	10 59.8	534	*	0	11-12

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	°	'	"	
<i>h</i> 1404	12	36	26.73	+	2	43 5.4	333 I 3 II
<i>h</i> 1405	12	36	44.15	+	12	19 20.8	342 *2 3 12-13
<i>h</i> 1408	12	36	51.63	+	12	17 33.7	222 I 2 9-10
<i>h</i> 1409	12	36	57.01	+	17	7 54.9	433 I 0 11-12
<i>h</i> 1414	12	37	24.48	+	32	54 36.9	234 3 5
<i>h</i> 1419	12	38	13.49	+	3	47 40.9	332 I 3 11-12
<i>h</i> 1436	12	42	7.58	-	5	3 50.3	433 I 0 II
<i>h</i> 1441	12	42	54.06	+	15	54 4.4	035 I 3
<i>h</i> 1451	12	43	49.47	+	26	14 10.7	432 I 3 10-11
<i>h</i> 1466	12	46	9.10	+	11	57 52.8	035 I 0 II
<i>h</i> 1469	12	46	36.38	+	2	54 5.9	432 I 0 12
<i>h</i> 1462	12	47	3.01	+	12	9 1.4	431 I 0 10-11
<i>h</i> 1475	12	48	8.63	+	29	40 16.0	433 2 3
<i>h</i> 1486	12	50	5.70	+	22	24 50.5	223 I 3 10
<i>h</i> 1500	12	52	41.83	+	28	42 24.5	452 * 0 13
<i>h</i> 1498	12	52	43.19	+	14	54 3.1	344 * 0 12
<i>h</i> 1502	12	53	3.94	+	28	41 20.2	442 0 0
<i>h</i> 1507	12	53	36.65	+	28	42 22.5	441 I 0 12
<i>h</i> 1522	12	57	19.83	+	28	54 46.7	543 * 0 12-13
<i>h</i> 1547	13	4	39.17	+	37	46 45.6	334 I 0 II
<i>h</i> 1601	13	19	27.10	+	2	48 16.2	432 *3 0 11-12
<i>h</i> 1622	13	24	10.89	+	47	53 35.5	222 I 4 10-11
<i>h</i> 1623	13	24	17.90	+	47	57 50.0	422 * 4 10-11
<i>h</i> 1650	13	30	49.3	+	9	34 27.7	030 I 0 12
<i>h</i> 1664	13	37	7.46	+	36	20 10.2	432 I 3 11-12
<i>h</i> 1684	13	44	44.10	+	60	51 41.6	332 I 4 10
<i>h</i> 1701	13	48	11.50	+	5	59 48.3	453 3 0
<i>h</i> 1703	13	49	20.35	+	5	55 1.8	332 *2 3 II
<i>h</i> 1705	13	49	24.96	+	5	40 44.5	342 3 0
<i>h</i> 1748	14	0	0.39	+	55	32 23.4	030 * 0
<i>h</i> 1776	14	12	46.29	+	37	7 1.9	030 I 0 11-12
<i>h</i> 1778	14	13	17.13	+	4	36 49.8	453 I 5
<i>h</i> 1779	14	13	32.87	+	4	33 18.1	531 I 0 II
<i>h</i> 1782	14	14	7.87	+	3	51 28.7	443 *3 0 12
<i>h</i> 1783	14	14	15.60	+	3	53 28.3	422 I 0 10-11
<i>h</i> 1854	14	32	27.83	+	5	56 52.5	432 I 0
<i>h</i> 1857	14	33	16.76	+	0	17 35.9	333 2 3
<i>h</i> 1863	14	34	1.49	+	0	15 46.5	543 * 0 12

Nebula.	Mean Right Ascension, 1865°o.			Mean Declination, 1865°o.			Description.			
	h	m	s	°	'	"				
<i>h</i> 1874	14	38	5·47	+	2	31 36·7	135	1	3	12
<i>h</i> 1875	14	39	16·75	+	0	20 51·1	433	2	3	
<i>h</i> 1894	14	53	10·27	+	2	25 49·1	443	1	0	12-13
<i>h</i> 1896	14	54	20·74	+	2	14 16·7	431	1	3	11-12
II 541	14	58	36·82	+	2	9 39·8	442	1	4	12-13
II 542	14	58	36·87	+	2	37 33·7	432	1	3	11
III 511	14	59	10·42	+	2	9 32·2	531	1	5	11
<i>h</i> 1901	14	59	38·73	+	2	7 46·3	331	1	3	11
<i>h</i> 1902	15	0	16·76	+	2	3 57·9	442	1	4	12
II 751	15	1	19·52	+	20	7 8·8	542	1	5	12-13
II 752	15	1	27·02	+	20	6 12·6	453	2	0	
II 647	16	23	2·35	+	39	41 5·3	542	1	0	12-13
<i>h</i> 1961	16	24	0·99	+	39	51 1·2	443	3	3	
II 753	16	26	26·83	+	20	6 55·8	443	1	3	
<i>h</i> 1967	16	31	45·88	+	36	28 30·5	452 *	5		13
<i>h</i> 1966	16	31	54·18	+	39	18 0·6	052 *	0		13
<i>h</i> 1969	16	38	16·66	+	37	5 21·5	443 *	0		12-13
<i>h</i> 1970	16	38	50·21	+	24	3 10·5	513	3	3	
IV 50	16	43	11·16	+	47	46 7·5	431	1	0	11-12
M. 92	17	12	59·79	+	43	17 4·8	112	1	1	
IV 37	17	58	36·76	+	66	38 16·9	413	4	3	
II 902	18	1	10·49	+	17	35 8·1	452	3	0	
<i>h</i> 2000	18	5	33·05	+	6	49 29·9	512 *	5		7-8
II 907	18	25	12·78	+	39	46 26·3	452	1	4	
<i>h</i> 2023	18	48	34·23	+	32	51 43·7	323	5	3	
G. C. 4473	19	4	19·82	+	0	48 42·8	342	4	2	
<i>h</i> 2037	19	11	52·32	+	6	17 38·3	332	3	4	
<i>h</i> 2043 * <i>b</i>	19	25	7·34	+	8	56 34·6	442	4	5	
<i>h</i> 2043 * <i>a</i>	19	25	8·26	+	8	56 44·7				
<i>h</i> 2050	19	41	9·53	+	50	11 56·8	421	*4	0	10
<i>h</i> 2062	19	56	35·90	+	33	9 10·9	442	4	5	
<i>h</i> 2072	20	10	57·25	+	30	9 3·5	040	5	2	
<i>h</i> 2075	20	16	22·00	+	19	40 29·9	441	*3	4	13
Nova. VII	20	27	1·41	+	6	55 43·6	530 *	5		11-12
<i>h</i> 2081	20	27	34·83	+	6	56 42·6	321	3	1	
<i>h</i> 2086 * <i>a</i>	20	37	30·85	+	12	1 39·0	10	11		
<i>h</i> 2097	20	55	11·18	+	15	39 33·0	431	*3	2	11
<i>h</i> 2102	20	57	50·84	+	29	21 52·5	443 *	3		12-13

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.		
	h	m	s	°	'	"			
III 209	21	7	19.79	+13	1	13.0	452	3	3
<i>h</i> 2112	21	12	36.40	+25	52	47.1	542	*3	4 13
<i>h</i> 2120	21	23	26.95	+11	34	39.0	310	1	2
<i>h</i> 2121	21	24	33.37	+ 1	53	56.4	552	3	0
<i>h</i> 2125	21	26	30.41	- 1	25	11.6	213	1	2
<i>h</i> 2132	21	41	57.84	+21	32	5.8	452	3	2
<i>h</i> 2135	21	47	43.08	+ 2	18	23.6	452	3	4
<i>h</i> 2139	21	54	15.23	+17	5	28.3	431	* 0	12
<i>h</i> 2149	22	1	49.98	+30	42	3.1	331	1	2 12
<i>h</i> 2160	22	19	54.03	+15	27	44.6	541	1	4 12-13
<i>h</i> 2168	22	27	18.25	+ 4	52	32.8	532	1	5 11-12
<i>h</i> 2169	22	29	25.64	+19	37	24.3	441	*2	4 12
<i>h</i> 2170	22	29	59.56	+20	55	27.7	453	3	4
Nova VIII	22	30	38.62	+33	40	7.1	542	* 0	13
<i>h</i> 2171	22	30	46.41	+ 9	49	52.9	453	3	5
<i>h</i> 2172	22	30	54.15	+33	42	59.7	020	1	0 10
<i>h</i> 2173	22	30	58.40	+23	5	54.9	234	1	0 11-12
Nova IX	22	31	1.34	+33	44	14.2	552	* 0	
<i>h</i> 2174	22	31	9.29	+33	44	50.3	452	0	0
Rosse, C.	22	31	12.55	+33	46	47.6	553	4	5
Rosse, E.	22	31	17.22	+33	40	23.7	542	* 0	
<i>h</i> 2175	22	31	20.33	+23	5	11.5	453	4	2
Rosse, D.	22	31	34.15	+33	42	36.4	542	* 0	12-13
<i>h</i> 2183	22	43	10.53	+10	53	41.6	542	*3	4 12-13
<i>h</i> 2184	22	43	18.58	+10	59	3.7	442	*3	5 12-13
<i>h</i> 2189	22	45	29.01	+ 0	22	34.1	443	2	3
<i>h</i> 2199	22	53	22.57	+15	15	25.6	443	1	3 12-13
II 249	22	54	25.67	+15	39	51.1	442	* 0	13
<i>h</i> 2201	22	54	32.72	+29	25	14.4	330	*2	5 11-12
<i>h</i> 2200	22	54	34.87	+ 1	1	44.0	442	*3	0 12-13
<i>h</i> 2202	22	55	10.46	+15	15	23.4	453	1	0 13
D.'A. Nova	22	55	11.91	+15	14	56.2	553	1	0 13-14
<i>h</i> 2203	22	55	19.51	+15	14	22.4	441	1	0 12-13
<i>h</i> 2204	22	56	27.74	+ 8	8	54.3	542	1	5 12
<i>h</i> 2205 * <i>c</i>	22	58	8.71	+11	35	22.4	334	1	0 12-13
<i>h</i> 2205 * <i>b</i>	22	58	11.40	+11	35	43.7			
<i>h</i> 2205 * <i>a</i>	22	58	11.75	+11	37	0.2			
<i>h</i> 2214	23	6	2.30	+11	56	45.1	441	1	4 12

Nebula.	Mean Right Ascension, 1865 ^o .			Mean Declination, 1865 ^o .			Description.
	h	m	s	°	'	"	
<i>h</i> 2215	23	7	42.44	+	3	45 54.0	452 * 5 13
<i>h</i> 2217	23	7	50.90	+	22	56 58.6	541 * 0 12
<i>h</i> 2216	23	7	51.56	+	3	47 57.9	344 3 0
<i>h</i> 2218	23	8	20.89	+	18	14 13.6	452 *3 5 13
<i>h</i> 2219	23	8	33.70	+	18	13 30.8	443 * 4 12
D.'A. Nova	23	8	34.66	+	18	18 20.3	452 3 4
G.C. 4917	23	8	48.41	+	5	58 20.9	450 0 0
<i>h</i> 2222	23	9	0.59	+	12	33 16.4	451 * 5 12-13
Nova X	23	9	1.80	+	3	45 39.6	542 * 5 12-13
Nova XI	23	9	5.77	+	3	47 11.1	542 * 0 12-13
<i>h</i> 2224	23	9	6.36	+	5	57 9.2	431 1 5 11-12
<i>h</i> 2223	23	9	9.76	+	12	27 38.8	441 * 0 12
III 238	23	9	58.28	+	12	44 47.4	452 2 5
G.C. 4934	23	12	46.61	+	7	19 31.3	043 1 0 12-13
D.'A. Nova	23	12	54.59	+	7	50 17.5	542 1 4 11-12
D.'A. Nova	23	13	18.72	+	7	25 43.8	551 1 0 13
<i>h</i> 2230	23	13	24.39	+	7	28 5.3	431 *2 4 11-12
<i>h</i> 2231	23	13	40.21	+	7	39 26.5	542 * 5 12
<i>h</i> 2232	23	13	45.50	+	16	29 14.7	442 *3 3 12
<i>h</i> 2233	23	13	52.38	+	17	28 42.4	431 *2 4 12-13
G.C. 4943	23	14	37.04	+	7	28 41.0	453 3 0
<i>h</i> 2241	23	19	25.61	+	41	47 36.3	421 5 3
<i>h</i> 2242	23	20	31.29	+	11	43 30.1	541 * 3 12
G.C. 4967	23	20	42.66	+	11	38 26.7	542 * 5 13
<i>h</i> 2257	23	29	19.94	+	1	24 29.0	541 1 5 11-12
<i>h</i> 2264	23	37	23.96	+	10	1 6.0	431 * 3 11
<i>h</i> 2265	23	37	29.04	+	9	11 6.7	431 1 3 11-12
<i>h</i> 2274	23	44	12.83	+	19	23 59.1	431 * 5 12
G.C. 5021	23	44	31.58	+	19	20 45.7	552 * 5 13
<i>h</i> 2275	23	44	33.90	+	19	21 38.7	444 1 5 12-13
<i>h</i> 2290	23	52	31.64	+	19	59 58.0	441 * 3 12-13
<i>h</i> 2297	23	56	19.90	+	15	23 35.1	442 2 3
Nova XII	23	56	29.91	+	19	57 9.0	443 * 3 13
<i>h</i> 2300	23	57	3.83	+	19	59 52.2	344 *3 4