KG
11365
899

HENRY DRAPER MEMORIAL.

Objects of Interest
on
Northern Spectrum Plates
No 98.

KG 11365 .899

Continued from Bk. 75, p. 98

Objects of Interest on Northern Spectrum Plates

For I22121 see Bk. 97, p. 74.

No	No. Plate	V.	H.		Object	DM. No.	R.A.	Dec.	Magn
Sept. 23, '98 4645	18381	12.1	13.8		?	-5 5390	20 42.3	-5 41	var.
4646	✓ 18382	10.4	12.7	✓	Mb	+45 3637	21 36.6	+45 6	6.2
4647	✓ "	11.2	10.3	✓	Mb	+44 3877	21 30.6	+44 44	6.7
4648	✓ "	18.0	15.0	✓	Ma	+41 4274	21 42.3	+41 40	7.5
4649	18383	9.8	14.4		?	-5 5390	20 42.3	-5 41	var.
4650	✓ 18406	17.4	16.1		?	Chandler's 1855 pos. ~~-7 4896~~	19 7.~~3~~6	-7 ~~16~~ 18	~~9.7~~
4650a	✓ "	9.4	11.9	✓	Z/p "V", Pec!!	-10 5057	19 15.2	-10 59	7.0
4651	✓ 18550	5.7	8.6	✓	Mb	+22 ~~4~~3660	19 13.4	+22 18	7.7
4652	✓ "	16.5	9.5	✓	Mb?	+17 3940	19 15.2	+17 23	9.5
4653	✓ 18574	14.8	14.3	✓	Mb	+1 4371	20 41.4	+1 31	8.8
4654	✓ "	15.7	15.4	✓	Md	+1 4359	20 39.5	+1 54	8.9
4655	✓ "	17.5	16.3	✓	Mb	+2 4239	20 37.9	+2 45	8.5
4656	✓ " 18573 ~~18596~~	14.8	11.7	✓	Ma	+16 3893	19 27.3	+16 33	8.9
4657	✓ "	16.7	18.1	✓	Me?	+17 3940	19 15.2	+17 23	9.5
4658	✓ 18607	6.2	8.9	✓	Ma	+47 3436	21 25.5	+47 2	7.9
4659	✓ "	11.3	10.6	✓	Mb?	+44 3877	21 30.6	+44 44	6.7
4660	✓ "	11.8	12.0	✓	Me	+44 3895	21 34.0	+44 32	9.2
4661	18613	22.2	14.4	✓	Md?		22 12.3	-30 6	8.5 (900)
4662	✓ 18614	22.0	19.3	✓	Mc	+44 3877	21 30.6	+44 44	6.7
4663	✓ 18835.	16.4	15.9	✓	Mc?	+17 3940	19 15.2	+17 23	9.5
Sept. 26, '98 4664	✓ 19022	5.0	15.0	✓	Ma	+36 4679	21 40.7	+36 59	7.7
4665	✓ "	15.3	14.4	✓	Mb	+41 4274	21 42.3	+41 40	7.5
4666	✓ "	22.0	19.1	✓	Mb	+44 3877	21 30.6	+44 44	6.7
4667	✓ 19024	5.3	12.7	✓	Mb	-12 183	0 53.3	-12 58	8.1
Oct. 8, '98 4668	✓ 19053	5.2	11.2	✓	Ma	+17 4389	20 37.3	+17 3	8.4
4669	"	6.6 6.3	14.3 10.4	✓	Mb	+17 4370	20 31.3	+17 46	7.0
4670	"	6.3 6.6	10.4 14.3	✓	Mb	+17 4401	20 38.8	+17 34	6.8
4671	"	9.4	16.2	✓	Ma	+19 4450 ~~+19 4452~~	20 27.7 ~~20 28.7~~	+19 2 ~~+19 1~~	7.7 ~~8.9~~
4672	✓ 19059	7.9	17.2	✓	Ma	+18 ~~4~~5231	23 45.1	+18 19	5.0
4673	✓ "	22.8	13.3	✓	Md	+25 5054	23 52.7	+25 ~~8~~6	9.3

T Aquarii Tw ft. N.S.

S Aquarii Tw ft. N.S.

W Aquarii Tw ft. N.S.

Known as Type IV, then as Pec – announced later as Type VI, Cir. 145

T Sagittae Tw ft.

V Aquarii $H\gamma=\underline{1.0}$ $H\delta=\underline{1.0}$?

T Sagittae

= C. D.M. -30° 19092
22h 10.9 -30° 14' 8.5 R Pisc. Aust. Tw ft.

W Cygni

.T Sagittae

KG 11365.899

Objects of Interest on Northern Spectrum Plates

HARVARD UNIVERSITY LIBRARY JUL 17 1956

	No.	No. Plate	V.	H.	Object	D.M. No.	R.A.	Dec	Magn
Oct. 8 '98	4674	19059	14.2	21.7	Ma	+21 4977	23 36.4	+21 8	7.8
Oct. 13, 98	4675	19061	10.1	10.1	Ma	+39 4720	21 51.2	+39 13	8.8
	4676	"	15.3	14.0	Ma	+41 4274	21 42.3	+41 40	7.5
	4677	"	18.1	16.2	A Pec.		21 38.8	+43 7	
	4678	"	21.9	15.4	Ma	+44 3927	21 39.1	+44 39	8.6
	4679	"	22.1	18.7	Mb	+44 3877	21 30.~~7~~6	+44 44	6.7
	4680	"	22.9	16.3	Mb	+45 3637	21 36.6	+45 6	6.2
	4681	I 19096	10.3	13.2	Ma	+45 3637	21 36.6	+45 6	6.2
	4682	"	11.1	10.8	Mb	+44 3877	21 30.6	+44 44	6.7
	4683	"	11.6	13.1	Ma	+44 3895	21 34.0	+44 32	9.2
	4684	"	15.1	13.1	A?		21 38.8	+43 7	
	4685	19098	15.3	11.5	Br. line	+41 4773	23 ~~2~~19.0	+41 44	neb.
Nov. 17, 98	4686	19118	17.8	16.9	A?		21 38.8	+43 8	(1900
	4687	19120	18.0	12.6	A?		21 38.8	+43 8	1900
	4688	19121	10.9	10.9	Ma	+5 786	4 53.4	+5 7	9.3
	4689	"	13.6	13.6	?	+3 766	4 58.4	+3 54	9.2
	4690	"	15.0	17.8	Ma	+3 815	5 6.1	+3 17	9.0
	4691	"	20.0	13.3	Type IV	+0 939	4 57.9	+0 58	6.0
	4692	"	23.9	18.4	Mb	−0 890	5 7.2	−0 44	7.0
Nov. 18, 98.	4693	19128	6.0	8.9	Ma	+47 3436	21 25.5	+47 2	7.9
	4694	"	10.3	13.0	Mb	+45 3637	21 36.6	+45 6	6.2
	4695	"	11.1	10.6	Mb	+44 3877	21 30.6	+44 44	6.7
	4696	"	15.1	13.1	A?	1900 pos.	21 38.8	+43 7	
	4696a	19621			Md	+17° 4800	21 46.2	+17 22	(1900)
	4697	19131	5.1	14.7	Ma	+36 4679	21 40.7	+36 59	7.7
	4698	"	10.1	10.2	Mb	+39 4720	21 51.2	+39 13	8.8
	4699	"	15.3	14.1	Ma	+41 4274	21 42.3	+41 40	7.5
	4700	"	18.1	16.3	A	1900 pos.	21 38.8	+43 7	
	4701	"	21.9	15.4	Ma	+44 3927	21 39.1	+44 39	8.6
	4702		22.1	18.8	Mb	+44 3877	21 30.6	+44 44	6.7
Mch! 01	4702a	26652			Md?	+44 398	1 49.8	+44 42	8.0

S S Cygni. Hydrogen lines bright on edge of greater wavelength.

S S Cygni Only a faint trace of hydrogen lines visible. $H\gamma$ bright?

Gas neb.? New? Known gas neb.

S S Cygni. Faint trace of hydrogen lines. Spectrum hazy.

S S Cygni. Faint trace of hydrogen lines. Image very poor.

V Orionis Too ft.

Na Known

S S Cygni. Hydrogen lines very faint, and bright (?) on edge of shorter λ.

S S Cygni. Hydrogen lines faint.

var ? { 13 chart plates, I series examined by Mrs. F.
{ "An apparent variation of about 0.4 magn.: Variation not sufficiently certain to warrant publ'n
18 more plates I.C. series examined by L.D.W. - slight change perhaps which may be photographic - see list on cover I 26652

Objects of Interest on Northern Spectrum Plates

	No.	Plate No.	V	H	Object	DM No.	AR (1900)	Dec.	Magn.	
1904,	4708^a	31697			√ Ma	Approx pos. 1855	10 26.7	+18 46		
Sept 29 1904	4704^b	32012			√ Mc5d	+74° 861	20 26.4	+74 48	9.3	W
" "	4704^c	32012			√ Type IV	+76° 734	19 26.6	+76 17	6.5	W
Aug 20 1903,	4703^a	√ 30681			√ Type V	+36 4028	20 17.8 (1900)	+36 36	9.5	
	4703	19131	22.9	16.4	√ Mb	+45 3637	21 36.6 (1855)	+45 6	6.2	
	4704	19143			Not numbered on plate.					
For some stars marked in Feb. & March 1904 on I 31457 See page 108										
Nov. 5, 1904	4705	32239			√ Ma	+24 4045	20 7.1	+24 48.1	8.4	W
" " "	4706	"			√ Ma	+25 4126	20 4.0	+25 52	9.3	W
						approx 1855 pos	20 20.0	+ 25 45		
" " "	4707	"			√ Mc	~~+26 3852~~	~~20 11.2~~	~~+26 6~~	8.5	W
						1855 +26° 3852	20 11.2	+26 6		
	4708				√ Ma	~~Approx +25~~	~~20 20.0~~	~~+25 45~~		W
~~Aug 20 1903~~	~~4708^a~~	~~30681~~								
Nov. 5, 1904	4709	32242			√ Ma	+33 3436	19 17.5	+33 31.0	9.0	W
" " "	4710	"			√ Ma	+35 3614	19 20.7	+35 54.5	8.0	W
	4711				√ Ma	+36 3321	18 49.7	+ 36 38.4	9.5	W
Oct 26 1900	4711^a	25940			√ Bright lines	+48° 4093	23 26.7	+ 48 1		
Nov. 5, 1904	4712	32243			√ Mc	+34 4597	21 59.4	+ 34 39.0	8.5	W
" " "	4713	"			√ Na	+34 4500	21 3^{5}6.9	+ 34 51.0	6.2	W
" " "	4714	"			√ Mb	+39 4720	21 51.2	+ 39 13.2	8.8	W
~~Nov. 10 1900~~	~~4714^a~~					+44° 3877	21 30.6	+ 44 43.7	6.7	Var.
Nov. 5, 1904	4715	32244			√ Mb5c	~~+50 3362~~	~~21 28.6~~	~~+50 57.8~~	~~9.4~~	W
						+50 3362	21 28.6	+50 57.8	9.4	
	4716				√ Md?	~~+44 3877~~	~~21 30.6~~	~~+ 44 43.7~~	~~var.~~	W
Nov. 10 1900	4716^a	25997			√ Bright lines	+50° 2869	19 42.0	+50 17	(1900)	
Nov. 5, 1904	4717	32245			√ Ma	-14 6191	21 53.3	-14 34.2	9.0	W
" " "	4718	"			√ Ma	-14 6163	21 48.3	- 14 43.2	7.8	W
" " "	4719				√ Ma	-9 5881	21 51.5	-9 39.4	8.7	W
" " "	4719^a	31154			√ IV Ma	+17° 1973	8 47.2	+17 47	6.5	
Nov. 5, 1904	4720	32246			√ Ma	-2 140	0 53.3	-2 26.1	7.4	W
	4720^a	31532			√ Neb.	+2° 2943	15 11.2	+ 2 37	Neb.	
Nov. 10, 1904	4721	32247			√ Mb	+13 4709	21 20.4	+ 13 29.0	8.7	W
" " "	4722	"			√ Mb	+15 4401	21 16.1	+ 15 23.0	8.5	W
" " "	4723	"			√ Ma	+16 4495	21 11.1	+ 16 31.6	9.0	W
" " "	4724	32248			√ Ma	+8 4585	20 52.2	+8 5.2	8.5	W
" " "	4725	"			√ Mb 5,c	+8 4574	20 49.5	+8 17.2	9.0	W
" " "	4726	"			√ Mb	+15 4297	20 50.4	+15 41.3	7.3	W
" " "	4727	32249			√ Mb	-5 5843	22 34.6	-5 50.8	6.7	W
" " "	4728	32250			√ Md	-15 6531	23 54.7	-15 29.5	8.4	W
" " "	4729	32251			√ Mb	+43 44	0 10.1	+43 12.0	8.1	W
" "	4730	"			√ Mb	+44 66	0 14.0	+44 4.2	9.0	W
"	4731	"			√ Mb	+44 128	0 29.7	+44 47.9	8.5	W

I 22121 meas. in B Series, Bk. 97, p. 74

—n 7 0 8° on I 31697 not ident. until Jan 2 1920
var ? New
Known

=20 16.1 + 36 28 (1855) Known

Var ? An examination of 25 chart plates shows a certain variation of about 0.6 magn. meas. were before announcing see Mrs. F's Book 13 p. 164

var. new
Var. ? { Only a slight variation found on I plates
{ See Book 13 p. 162 Found later by Miss Leavitt & confirmed on AC plates
Type IV known

W Cygni
Var. ? ~~Known~~ ~~W Cygni~~ An examination of 20 chart plates fails to shew any variation in this star or in the faint star of same R.A. & south. The spectrum is probably defective see Mrs F's Book 13 page 163
Gas neb. Known

Var. ? or Pec.! Nova Image very poor. Known Var. W Ceti.

Objects of Interest on Northern Spectrum Plates

No.	Plate No.	V	H.	Object	D.M. No.			R.A.	Dec.		Magn.
Nov. 10, 1904 4732	32251			√ Ma	+44°	134	0ʰ	30.5ᵐ	+44°	44.5	8.8 ✓
" " " 4733	"			√ Mb	+46	27	0	6.5	+46	8.5	8.3 ✓
" " " 4734	"			√ Mb	+47	113	0	21.1	+47	36.4	6.8 ✓
4734ᵃ				√ Mc	(1900 Position)		0	10.8	+46	27	8 ✓
" " " 4735	32254			√ Md 7	(Est. 1855)		5	43	+74.5		✓
" " " 4736	32256			√ Ma	+53	2748	21	53.3	+53	52.3	9.1 ✓
" " " 4737	"			√ Ma	+51	3283	22	6.5	+51	31.1	8.8 ✓
" " " 4738	"			√ Ma	+57	2493	22	11.1	+57	15.3	8.2 ✓
" " " 4739	"			√ Ma	+50	3680	22	15.9	+50	43.7	8.4 ✓
" " " 4740	32258			√ Ma	+43	4607	23	54.7	+43	43.1	7.8 ✓
" " " 4741	"			√ Mb	+46	4187	23	43.6	+46	42.1	8.5 ✓
" " " 4742	"			√ Mc	+47	4318	23	48.1	+47	49.5	8.4 ✓
" " " 4743	32263			√ Mb	+40	3512	18	48.6	+40	49.1	6.8 ✓
4743ᵃ				√ Mb	+40°	3449	18	35.3	+40°	11.7	8.4 ✓
" " " 4744	"			√ Ma	+40	3555	18	55.6	+40	29.0	6.9 ✓
" " " 4745	"			√ Mb	+39	3476	18	33.3	+39	32.8	6.5 ✓
" " " 4746	"			√ Ma	+41	3135	18	41.1	+41	14.4	8.5 ✓
4746ᵃ				√ Ma	+42	3153	18	40.7	+42	1.6	8.6 ✓
" " " 4747	"			√ Mb	+42	3189	18	49.9	+42	21.1	8.5 ✓
4747ᵃ				√ Ma	+42	3170	18	45.2	+42	54.7	8.5 ✓
" " " 4748	"			√ Md	R. W Lyrae		18	42.2	+43	32	9.0 (1900) ✓
" " " 4749	"			√ Mb	+43	3117	18	50.9	+43	45.6	var. ✓
" " " 4750	"			√ Mb	+43 ~~Approx~~	3117 ~~1855~~	18 ~~18~~	50.9 ~~51.1~~	+43 ~~+43~~	45.6 ~~42~~	var second image
" " " 4751	"			√ Mb	+43	3065	18	41.8	+43	51.3	8.6 ✓
" " " 4752	"			√ Ma	+45	2760	18	36.3	+45	57.3	8.5 ✓
" " " 4753	"			√ Mb 5 c	+47	2702	18	45.2	+47	20.8	7.2 ✓
Nov. 11, 1904 4754	32278			√ Mb	+33	302	1	40.5	+33	25.2	8.0 ✓
" " " 4755	"			√ Mc	+36	341	1	45.8	+36	25.6	9.3 ✓
" " " 4756	"			√ Mb	+37	387	1	42.6	+37	18.2	6.9 ✓
" " " 4757	"			√ Ma	+37	337	1	30.9	+37	48.8	8.4 ✓
" " " 4758	"			√ Md	Y Andromedae +38	 315	1 1	33.7 31.1	+38.8 +38	(1900 36.3	9.3 var (1855) ✓
" " " 4759	"			√ Ma	+38	327	1	33.7	+38	35.2	8.6 ✓
" " " 4760	"			√ Ma	+38	326	1	33.7	+38	42.2	8.3 ✓

X androm
Var. X V Camelopard.

Var. X RS Androm.

Var. Known

Same star R Lyrae
" "

Var ? 15 chart plates examined by Mrs. F. show "variation of about 0.5 magnitude. This variation appears to be real but the range is so small that it will not be announced without further meas. or evidence." see Mrs. F. Bod 13 page 170

Var. Y Androm.

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate	V.	H.		Object.	DM. No.	R.A.	Dec.	Magn.	
Nov. 11, 1904	4761	32278			✓	Ma	+40 347	~~21~~ 1h 32.2	+40 52.4	9.0	✓
" " "	4762	32279			✓	Ma	+41 724	3 28.7	+41 5.7	9.3	✓
" " "	4763	"			✓	Ma	+43 749	3 23.1	+43 15.5	9.0	✓
" " "	4764	"			✓	Ma	+43 741	3 21.8	+43 43.7	9.1	✓
" " "	4765	"			✓	Na	+43 726	3 17.9	+43 39.9	8.9 var.	✓
" " "	4766	32280			✓	Mb	+17 1479	6 54.0	+17 57.1	6.0	✓
" " "	4767	32282			✓	Mas b.	DM. +18 4878	21 46.8	+18 30.5	7.7	✓
" " "	4768	"			✓	Mb5c.	DM. +17 4665	21 50.4	+17 4.9	8.6	✓
" " "	4769	"			✓	Pec.	DM. +20 5071	21 57.6	+20 21.0	8.7	✓
" " "	4770	32252			✓	Sp. Mb.	-1 475	3 12.~~7~~ 0	-1 36.0	9.1 var	✓
Nov. 5, 1904	4771	32241			✓	Type V	+43 3571	20 15.6	+43 24.1	7.5	✓
" 22, 1904	4772	32271			✓	Ma	-20 6190	21 13.1	-20 5.9	9.1	✓
" " "	4773	32323			✓	Mb	+31 1946	9 1.9	+31 33.8	6.5	✓
" " "	4774	"			✓	Ma	+29 1860	8 55.7	+29 51.2	8.0	✓
" " "	4775	"			✓	Ma	+27 1739	9 9.9	+27 53.7	9.3	✓
" " "	4776	32293			✓	Type IX Na	+5 1797	7 41.1	+5 46.9	9.0	✓
" " "	4777	"			✓	Mc5d	+8 1800	7 24.8	+8 37.8	var	✓
" " "	4778	"			✓	Mb.	~~+8~~ approx 1855	7 33.5	+8 43		✓
" " "	4779	32240			✓	Md	+15 4245a	20 38.6	+15 52.5	var.	✓
" " "	4780	"			✓	Mb5c	+17 4401	20 38.8	+17 34.0	6.8	✓
" " "	4781	"			✓	Mb5c	+17 4370	20 31.3	+17 45.5	7.0	✓
" " "	4782	32311			✓	Mc5d,	+49 3225	20 8.5	+49 1.1	8.7	✓
" " "	4783	"			✓	Ma	+51 2910	20 33.3	+51 4.7	8.5	✓
" " "	4784	32272			✓	Type V	Approx 1855	20 33.~~8~~ 7	+25 26		✓
" " "	4785	"			✓	Ma	+26 3946	20 33.3	+26 7.0	8.9	✓
" " "	4786	"			✓	Ma	+26 3969	20 37.2	+26 43.8	7.8	✓
" " "	4787	"			✓	Ma	+29 4272	20 54.5	+29 11.6	8.5	✓
" " "	4788	"			✓	Mal	+29 4231	20 49.0	+29 51.8	9.5	✓
" " "	4789	"			✓	Ma	+31 4304	20 54.0	+31 56.2	7.0	✓

Type IV Known γ Persei

New . . Cir 9.8 or 14.5 Type VI
ψ Ceti.
Br. lines, Known

Var. ~~?~~ Known
Var. ~~?~~ S Canis Minoris.
U Canis Minoris.
Var. ~~?~~ T Delphini.
U Delphini.

Var. ~~?~~ New

"Probably defect" Mrs. F. thinks. "Not on spect plate I 27792

UX Cygni.

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate	V.	H.	Object	DM No.		R.A.		Dec.		Magn.
								h	m	°	'	
Nov. 22, 1904	4790	32272		✓	Ma	~~+49~~ +33	4085	20	49.1	+33	12.4	7.3 ✓
" " "	4791	"		✓	Mb	+34	4246	20	56.4	+34	12.7	8.6 ✓
" " "	4792	32312		✓	Ma	+26	4410	22	14.3	+26	13.1	6.5 ✓
" " "	4793	"		✓	Mb	+26	4507	22	42.2	+26	35.6	8.8 ✓
" " "	4794	"		✓	Mc	+27	4389	22	36.1	+27	24.0	8.6 ✓
" " "	4795	"		✓	Ma	+28	4444	22	37.4	+28	51.0	8.6 ✓
" " "	4796	"		✓	Ma	+30	4713	22	21.0	+30	56.1	9.0 ✓
" " "	4797	"		✓	Ma	+31	4771	22	36.9	+31	29.3	8.3 ✓
" " "	4798	32313		✓	Md?	approx (1855)		22	35.~~9~~8	+38	27	✓
" " "	4799	"		✓	Ma	+38	4754	22	17.6	+38	28.7	8.8 ✓
" " "	4800	"		✓	Ma	+38	4726	22	11.3	+38	21.5	9.2 ✓
" " "	4801	"		✓	Ma	+39	4909	22	33.6	+39	55.0	7.2 ✓
" " "	4802	"		✓	Mc5d	+40	4920*	22	43.4	+40	15.8	9.1 ✓
" " "	4803	"		✓	Ma	approx. (1855)		22	15.8	+ ~~40~~ 42	11	^ ✓
" " "	4804	"		✓	Ma	+44	4195	22	34.3	+44	7.1	9.3 ✓
" " "	4805	"		✓	Ma	+45	4018	22	35.2	+45	33.1	8.1 ✓
" " "	4806	32321		✓	Ma	+34	946	4	56.9	+34	39.3	8.1 ✓
" " "	4807	"		✓	Ma	+35	1054	5	10.4	+35	37.5	7.5 ✓
" " "	4808	32322		✓	Mc	-3	353	2	12.0	-3	38.2	var. ✓
" " "	4809	"		✓	Ma	-3	355	2	12.2	-3	38.2	9.0 ✓
" " "	4810	"		✓	Pec.	-3	357	2	12.9	-3	32.4	9.7 ✓
" 23, "	4811	32277		✓	Ma	-4	390	2	16.4	-4	2.0	8.6 ✓
" " "	4812	"		✓	Mc	-3	353	2	12.0	-3	38.2	var. ✓
" 25, "	4813	32283		✓	Mb	+43	18	0	4.7	+43	0.8	8.0 ✓
" " "	4814	"		✓	Ma	+45	75	0	15.5	+45	7.7	9.4 ✓
" " "	4815	"		✓	Md'	X Androm.		0	10.8	+46	27	(1900) ✓
" " "	4816	"		✓	Mc	+47	4318	23	48.1	+47	49.5	8.4 ✓
" " "	4817	"		✓	Ma	+49	41	0	9.9	+49	29.1	9.0 ✓
" " "	4818	"		✓	Ma	+46	27	0	6.5	+46	8.5	8.3 ✓

Var.? 13 chart plates examined by Mrs. F. fail to show any evidence of variation "May be defect" see Book 13 p.166

Var.? New * The variable is the preceding & southern of two stars so close that either might be +41° 4920

May be defect. Sp. a on I 20034.

o Ceti

Var. X Androm.
Var.? Type IV RS Androm.

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate	V.	H.		Object	DM No.		R.A.		Dec.		Magn.	
Nov. 25 1904	N.818a	32283			√	Ma	+50	28	0	5.3	+50	41.0	8.0	✓
Nov. 25, 1904	4819	32283			√	Ma	+50	60	0	15.4	+50	57.9	8.3	✓
" 26, see also page 96	4820	32238			√	Type IX Na	+22	4508	21	49.6	+22	10.8	8.1	✓
" " "	4821	32295			√	Mc5d	-2	563~~4~~1	21	39.~~6~~0	-2	~~57.4~~ 52.7	~~7.9~~ 6.8	^
" 30, "	4822	32359			√	Mb	+33	3846	20	12.3	+33	38.5	7.8	✓
" " "	4823	"			√	Ma	+33	3854	20	13.7	+33	43.5	8.7	✓
" " "	4824	"			√	Br. lines	+35	4002	20	4.9	+35	31.0	9.5	✓
" " "	4825	"			√	Br. lines	+35	4001	20	4.8	+35	45.1	8.5	✓
" " "	4826	"			√	Br. lines	+35	4013	20	6.5	+35	46.1	8.0	✓
" " "	4827	"			√	Ma	+36	3892	20	2.8	+36	15.0	8.3	✓
" " "	4828	"			√	Pec!	+36	3852	19	59.1	+36	24.8	8.7	✓
" " "	4829	"			√	Br. lines	+36	3956	20	9.1	+36	13.3	8.0	✓
" " "	4830	"			√	Br. lines	+36	4028	20	16.1	+36	27.5	9.5	✓
" " "	4831	"			√	Br. lines	+36	3987	20	11.6	+~~20~~ 36	58.6	8.1	✓
" " "	4832	"			√	Br. lines	+38	4010	20	14.2	+38	16.6	8.7	✓
" " "	4833	"			√	Pec.!	+38	3957	20	8.1	+38	17.4	var. 8.2	✓
" " "	4834	"			√	Br. lines	+37	3821	20	6.8	+37	55.4	7.1	✓
" " "	4835	"			√	Mb	+38	3948	20	7.4	+38	35.1	8.9	^
" " "	4836	"			√	Ma	approx (1855)		19	52.6	+38	32		✓ ^
" " "	4837	"			√	Mb5c	+39	4152	20	16.4	+39	59.1	8.8	✓
" " "	4838	"			√	Ma	+40	4048	20	5.8	+40	16.3	8.8	✓
" " "	4839	"			√	Ma	+40	4057	20	6.7	+40	25.0	8.7	✓
" " "	4840	"			√	Ma	+41	3603	20	0.3	+41	8.6	8.4	✓
" " "	4841	"			√	Br. lines	+43	3571	20	15.6	+43	24.1	7.5	✓
" " "	4842	32361			√	Ma	+31	4645	22	3.8	+31	35.1	7.1	✓
" " "	4843	"			√	Ma	+36	4880	22	29.6	+36	0.9	7.2	✓
Dec. 7, "	4844	32390			√	Ma	+6	730	4	31.0	+6	31.5	8.5	✓
" " "	4845	"			√	Md	approx 1855		4	30.4	+8	3		✓
" " "	4846	"			√	Md8.	+9	585	4	20.4	+9	50.2	var.	✓
13, "	4847	32370			√	Ma	+31	1453	6	48.3	+31	24.2	8.5	✓

~~Defect?~~ New Type IV Var.

Var.? 29 chart plate exam. by Mrs F. show not enough evidence. Not to be meas. until more change is found see Book 17 p.60

Type III

" "

" V Known var. RY Cygni

" V Known

" V Known

" III

" IV? Var? Same Sp. as RS Cygni. Known Type IV. var.

" V Known

" V Known

" V

" V

" IV? RS Cygni. Known

" V Known

" III

" III Identified on chart plate I 31260

" III

" III

" III

" III

" V Known

" III

"

" III

Var? New

R Tauri Known

Type III

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate.	V.	H.		Object.	DM No.		R.A.		Dec.		Magn.	
Dec. 13, 1904	4848	32370			√	Ma	+31	1388	6	32.8	+31	35.1	8.1	✓
" "	4849	"			√	Ma	+30	1373	6	48.3	+30	56.9	8.5	✓
" "	4850	"			√	Mb5c	+30	1329 (1855) (1900)	6 6	37.8 46.7	+30 +30	25.2 23	var	✓
" "	4851	32367			√	Ma	+32	4350	22	3.1	+32	23.1	9.0	✓
" 16,	4852	32360			√	Mc5d	+47	4318	23	48.1	+47	49.5	8.4	✓
" "	4853	"			√	Ma	+49	41	0	9.9	+49	29.1	9.0	✓
" "	4854	"			√	Md	approx	1855	0	2	+50	45		✓
" "	4855	"			√	Mc?	"	"	0	3.2	+51	22		✓
" "	4856	"			√	Md	Announced	1900 pos.	23	~~56~~ 58.2	+ ~~54~~ 55	~~57~~ 7		✓
" "	4857	"			√	Mc5d	+54	48	0	15.4	+54	59.5	8.5	✓
" 13,	4858	32365			√	Ma	-22	5916	22	19.9	-22	36.5	8.0	✓
" "	4859	"			√	Md 4	21	Approx 1900	22 22	10.7 13.2	-21 -21	37 (1855) 24		✓
" "	4860	"			√	Ma	-21	6213	22	15.6	-21	2.5	8.5	✓
" "	4861	32366			√	Mb	+20	5027	21	45.5	+20	35.4	6.3	✓
" "	4862	"			√	Ma	+21	4555	21	22.4	+21	33.4	5.5	✓
" "	4863	"			√	Ma	+21	4599	21	34.4	+21	33.7	7.5	✓
" "	4864	"			√	Mb	+21	4603	21	36.1	+21	48.7	8.8	✓
" "	4865	"			√	Ma	+22	4508	21	49.6	+22	10.8	~~9.1~~ 8.1	✓
" "	4866	"			√	Mb	+23	4442	21	53.1	+23	14.1	7.5	✓
" "	4867	"			√	Md 4	+24	4462	21	37.9	+24	20.6	9.3	✓
" 16,	4868	32410			√	Ma	+8	1676	7	2.5	+8	20.9	8.5	✓
" "	4869	"			√	Mb	+8	1712	7	7.8	+8	13.6	6.8	✓
" "	4870	32411			√	Ma	-1	2312	9	43.6	-1	20.7	8.9	✓
" "	4871	"			√	Ma	-4	2771	9	52.1	-4	43.3	8.9	✓
" "	4872	32238			√	Md	+24	4462	21	37.9	+24	20.6	9.3	✓
" " See also page 14	4873	"			√	Md?	approx	1855	21	48	+26	40		✓
" "	4874	32413			√	Ma	+53	3242	23	44.9	+53	32.5	9.4	✓
" "	4875	"			√	Ma	+53	3223	23	37.2	+53	41.0	9.2	✓
" "	4876	"			√	Ma	DM+54°	3036	23	37.7	+54	34.7	8.2	✓

Type IV Known
" III
X Gemini. Repeat.
Type III
" III Var.? Known R S Androm.
" IV Known Type IV New var.
" III Var.? New
Var.? Type III may be due to defect. 14 chart plates examined by Mr. F. fail to show any evidence of variability see Book 13 p. 176
Var.? " III Known Y Cass
Var.? " III Known T Cass.
Type III
X Aquarii
Type III
" III
" III
" III
" III
" IV Known
" III
Sp. R R Pegasi
Type III
" III
" IV Known
" III
Val. R R Pegasi.
Var ? 17 chart plates examined by Mr. F. shows only a slight change. The peculiarity in this spectrum may be due to defect" see Book 13 p. 181
Type III
" III
" III

Objects of Interest on Northern Spectrum Plates.

	No.	Plate No.	V	H		Object	D.M. No.		R.A.		Dec.		Magn.	
Dec. 16, 1904	4877	32413			✓	Na	+53	66	0	16.7	+53	29.2	9.3	V
" "	4878	"			✓	Mc	+54	48	0	15.4	+54	59.5	var 8.5	V
								3091	23	52.8	+54	54.0*	9.0	
" "	4879	"			✓	Ma	+54	~~3036~~	~~23~~	~~37.7~~	~~+54~~	~~34.7~~	~~8.2~~	1
" "	4880	"			✓	Ma	DM.+55°	3036	23	44.6	+55	7.4	8.8	V
" "	4881	"			✓	Md	DM.+58°	3133	23	54.8	+58	27.3	9.4	V
" "	4882	"			✓	Mb	DM.+59°	2806	23	53.0	+59	32.9	9.0	V
" "	4883	"			✓	Na	DM.+59°	2810	23	53.9	+59	33.1	7.8	V
" "	4884	"			✓	Ma	DM.+59°	2816	23	54.9	+59	53.6	7.5	V
" "	4885	32414			✓	Ma	+59	344	1	44.0	+59	26.3	8.2	V
" "	4886	"			✓	Mb	+61	366	1	51.6	+61	11.4	7.3	V
" "	4887	"			✓	V	Approx	1855	1	47.0	+62	36		V
" "	4888	32415			✓	Mb.	-21	831	4	12.0	-21	4.2	6.2	V
" 17,	4889	32372			✓	Ma	+26	1409	6	50.2	+26	35.8	9.0	V
" "	4890	"			✓	Ma	+25	1584	6	59.6	+25	12.2	8.7	V
							~~+25~~	~~1585~~	~~6~~	~~59.7~~	~~+25~~	~~12.1~~	~~9.1~~	
" "	4891	"			✓	Ma	+24	1531	6	58.5	+24	23.2	7.1	V
" "	4892	"			✓	Ma	+24	1549	7	2.4	+24	54.0	8.3	V
" "	4893	"			✓	Md	Approx	1855	7	2.~~9~~8	+23	46		V
" "	4894	32375			✓	Ma	+29	3685	19	33.7	+29	35.5	8.5	V
" "	4895	"			✓	Ma	+29	3730	19	~~2~~40.0	+29	54.3	8.3	V
" "	4896	"			✓	Ma	+31	3864	19	52.7	+31	5.2	8.4	V
								~~(Est 1855)~~	~~19~~	~~44.0~~	~~+32~~	~~0~~		
" "	4897	"			✓	Ma	+32	3585	19	44.0	+32	4.5	8.9	1
" "	4898	"			✓	Ma	+32	3596	19	45.2	+32	16.7	9.1	V
" "	4899	"			✓	Br. lines	Approx	1855	19	56.0	+32	11		V
" "	4900	"			✓	Br. lines	"	1855	19	56.8	+32	15		V
" "	4901	"			✓	Na	+32	3522	19	35.4	+32	17.0	var. 8.0	V
" "	4902	"			✓	Md	+32	3593	19	45.0	+32	33.0	var.	V
" "	4903	"			✓	Mc	+33	3690	19	55.7	+33	31.2	8.6	V
" "	4904	"			✓	Mb	+34	3691	19	39.2	+34	4.0	7.0	V
" "	4905	"			✓	Md?	+34	3864	19	59.7	+34	53.9	9.4	V

Type IV Known   Type VI Cir. 1165

Var.? & Known Type III T Cassiopeiae.

Type III   Probably slight error in Decl. in DM. Cat. in Dec. See card cat. of Errata

" III

Var? Type III 32 chart plates examined by Mrs. F. show slight variation of about 0.5 magns. On Sp. plate I 31314 star is Class F. May be defective but I 32413 Not to be meas. or announced yet Jan. 1905 See Book 13 p. 179

Type III

" IV Known

" III

" III

" III

Gas. neb. Br. lines. New

Type III

" III

" "

" "

" "

Var? Type III (I 32549) Another spectrum plate shows star to be Class A Probably defect on 32377 in chart plates examined by Mrs. F. show slight if any evidence of variability see Book 13 page 178

Type III

" "

" "

Bright star "

" "

" V New 1900 announced Pos. 19 57.8 + 32 18

" V "Not confirmed Probably defect" See note on cover.

" IV Known T Cygni.

χ Cygni Type III

Type III

" "

Var.? Type III {15 chart plates examined by Mrs. F. show no evidence of variation in this star - see Book 13 page 177

Objects of Interest on Northern Spectrum Plates

	No.	Plate No.	V	H		Object	DM No.	R.A.	Dec.	Magn	
Dec. 17, 1904	4906	32375			✓	Ma	+35 3770	19 38.0	+35 53.9	8.7	✓
" " "	4907	"			✓	Br. lines	+35 4001	20 4.8	+35 45.1	8.5	✓
" " "	4908	"			✓	Br. lines	+35 4013	20 6.5	+35 46.1	8.0	✓
" 19, "	4909	32379			✓	Md 8	+9 585	4 20.4	+9 50.2	var.	✓
" " "	4910	"			✓	Md	Approx 1855	4 30.4	+ 8 3		✓
" " "	4911	32373			✓	Ma	+3 1824	7 44.5	+ 3 39.1	7.5	✓
" " "	4912	"			✓	Ma	+6 1720	7 27.3	+6 30.5	8.0	✓
" " "	4913	"			✓	Ma	+7 1799	7 32.5	+7 6.2	8.5	✓
" 20, "	4914	32374			✓	Ma	+49 1750	8 26.3	+49 52.5	7.3	✓
" " "	4915	"			✓	Ma	+49 1778	8 41.1	+49 6.5	8.9	✓
" " "	4916	"			✓	Pec.	+50 1603	8 53.0	+50 39.1	9.2	✓
Nov. 22, "	4917	32322			✓	Ma	-6 447	2 11.2	-6 41.6	8.8	✓
Dec. 19 "	4918	32377			✓	Mc	-3 353	2 12.0	-3 38.2	var.	✓
" 21, "	4919	32380			✓	Ma	+61 734	4 36.1	+61 14.5	7.7	✓
" " "	4920	"			✓	Mc5-d?	(Est. 1855)	4 56.	+63.9		
" " "	4921	"			✓	Pec.	{ (1900) +65 422a	4 30.4 4 26.0	+65 57' +65 51'	var }	
" " "	4922	"			✓	Na	+67 350	4 36.2	+67 54.4	7.0	✓
" " "	4923	"			✓	Ma	Approx 1855	4 56.8	+67 ~~45~~ 46		✓
" " "	4924	"			✓	Ma	+68 339	4 24.4	+68 47.1	8.5	✓
" " "	4925	32382			✓	Ma	+43 741	3 21.8	+43 43.7	9.1	✓
" " "	4926	"			✓	Na	+43 726	3 17.9	+43 39.9	8.9	✓
" " "	4927	"			✓	Br. line	~~+43~~ (1855)	3 21.4	+43 24	(Approx)	✓
" " "	4928	"			✓	Ma	+43 749	3 23.1	+43 15.5	9.0	✓
" " "	4929	32383			✓	Ma	+33 4721	23 23.7	+33 1.8	7.2	✓
" " "	4930	"			✓	Na	+34 4974	23 31.6	+34 57.6	9.1	✓
" " "	4931	"			✓	Br. lines	+41 4773	23 19.0	+41 44.3	neb.	✓
" " "	4932	32384			✓	Ma	+7 240	1 29.1	+7 4.5	6.9	✓
" " "	4933	"			✓	Ma	+9 218	1 38.7	+9 38.8	9.4	✓
" " "	4934	"			✓	Ma	+9 172	1 21.5	+9 40.9	8.2	✓

Type III
" V Known
" V Known
R Tauri Type III
Var.? Known
Type III
Type III
Type III
Type III
" III
Dark bands? Known
Type III
o Ceti
Type III
Var? May be defect.
Type IV ?
" Camelopardali Sp. shows $H\beta$ dark and broad dark band at λ
Var.? Known
Type III
" III
Type III
Var.? Type IV Known Type IV Var. Y Persei
Nova Persei?
Type III
" ~~IV~~ Type III
~~Gas. not known~~. Type IV Var? New
~~Type III~~ Gas. not known.
" III
" III
" III

Objects of Interest on Northern Spectrum Plates

	No	No Plate.	V.	H.		Object	DM No.	R.A.	Dec.	Magn.	
Dec. 21, 1904	4935	32384			√	Ma	+14 233	1 24.1	+14 53.4	8.2	√
Jan. 4, 1905	4936	32376			√	Ma	+39 4568	21 23.2	+39 50.2	8.0	√
" " "	4937	"			√	Mc	+40 4502	21 17.2	+40 10.2	7.2	√
" " "	4938	"			√	Br. lines	approx.	21 27.0	+43 58.3	(1855)	√
" " "	4939	"			√	Mb	+44 3877	21 30.6	+44 43.7	6.7 var	√
" " "	4940	"			√	Mb	+45 3637	21 36.6	+45 6.3	6.2	√
" " "	4941	"			√	Ma	+47 3436	21 25.5	+47 2.0	7.9	√
" " "	4942 5	"			√	Ma	+47 3381	21 16.4	+47 32.9	6.7	√
" 9, "	4943	32432			√	Br. lines	-12 1172	5 20.8	-12 49.0	9.2	√
" 11, "	4944	32460			√	Mc	-3 353	2 12.0	-3 38.2	var	√
" 11, "	4945	32462			√	Na	-12 3218	10 30.4	-12 38.1	var.	√
" 11, "	4946	32418			√	Bl. lines	+12 1172	5 20.8	-12 49.0	9.2	√
" 11, "	4947	32419			√	Bl. lines	-17 2105	7 35.5	-17 52.1	neb.	√
" 17, "	4948	32461			√	Mb	+43 741	3 21.8	+43 43.7	9.1	√
" " "	49~~50~~ 49	"			√	Mb	+43 749	3 23.1	+43 15.5	9.0	√
" " "	495~~1~~ 0	32399			√	Na	+43 726	3 17.9	+43 39.9	8.9	√
" " "	495~~2~~ 1	~~32408~~			√	Mb	+75 22	0 23.1	+75 46.6	8.8	√
" " "	495~~3~~ 2	"			√	Bl. lines	NGC 40 (1900) ~~Approx 1855~~	0 ~~5~~ 7.6	+71 ~~44~~ 32		√
" " "	495~~4~~ 3	"			√	Mb	+69 8 50	0 44.1	+69 10.3	7.5	
" " "	495~~5~~ 4	82397			√	Mb	+57 127 ~~Approx 1855~~	0 43.8	+58 58 6	8.8	
" " "	495~~6~~ 5	"			√	Mb	+60° 99a ~~Approx 1855~~	0 38	+60 45	9.5	
							61 21 ~~220~~	0 58.8	+61 52	8.3	
" " "	495~~7~~ 6	"			√	Mb	+62 161	0 42.8	+62 7.9	9.4	√
" " "	4956 7	"			√	Mb					
" " "	495~~8~~ 7	"			√	Bl. lines	+63 83	0 34.9	+63 58.7	9.5	√
" 18 "	495~~9~~ 8	32464			√	Mb	+47 4318	23 48.1	+47 49.5	8.4	√
" " "	49~~60~~ 59	"			√	Ma	+48 4193	23 48.2	+48 7.7	8.0	√
" " "	4960	"			√	Ma	+48 4099	23 27.6	+48 57.2	8.3	√
" " "	4961	"			√	Na	+49 41	0 9.9	+49 29.1	9.0	√
" " "	4962	"			√	Mb	+51 3670	23 30.8	+51 26.4	8.7	√
" " "	4963	"			√	Mb5c	+51 3676	23 32.0	+51 27.8	7.8	√

Type III

"   "

"   "

"   ~~V~~ New Gas. neb.   1900 pos. 21 28.7 +44 10

"   III

"   "

"   "

"   "

Gas. neb. Known

Type III   o Ceti.

"   IV   U Hydrae.

Gas. neb. Known

"   "   Known

Type III

"   "

Var. X Known Y Persei

Type III

N. G. C. No. 40. New Between Gas. neb. & Type V Enter as Pec.

Type III

h m ° ′ magn.

~~V? 0 35 +63 58 = DM. +63° 83 0 34.9 +63 58.7 9.5~~

V X Known 0 35 +63 58 = DM. +63 83 0 34.9 +63 58.7 9.5

Type III

"   "

"

Var. X Known — Cassiopeiae.

Type III

"   "

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate.	V.	H	Object.	DM No.	R.A.	Dec.	Magn.	
Jan. 18, 1905	4964	32464			√ Mb	+53 3540	23 42.6	+53 38.7	9.4	✓
" "	4965	"			√ Br. lines	? +53 66	0 16.7	+53 29.2	9.3	✓
" "	4966	"			√ Ma	+54 3036	23 37.7	+54 34.7	8.2	✓
" "	4967	"			√ Mb	+54 3091	23 52.8	+54 54.0	9.0	✓
" "	4968	32465			√ Mb	+76 168	4 19.6	+76 7.8	9.0	✓
" "	4969	32391			√ Ma	+8 1712	7 7.8	+8 13.6	6.8	✓
" "	4970	"			√ Ma	+9 1598	7 9.1	+9 1.4	9.0	✓
" "	4971	"			√ Ma	+9 1605	7 9.8	+9 3.4	8.5	✓
" "	4972	"			√ Mcsd	+8 1800	7 24.8	+8 37.8	var	✓
" "	4973	"			√ Ma	+9 1531	7 1.0	+9 56.4	8.9	✓
" "	4974	"			√ Mb	+9 1680	7 22.9	+9 54.1	8.8	✓
" "	4975	"			√ Ma	+10 1547	7 22.1	+10 21.2	8.0	✓
" "	4976	"			√ Md5	+13° 1653 a +13 Approx 1855 1900 Position	7 15.0 7 17.6	+13 24 2 +13 17		✓
" "	4977	"			√ Ma	+14 1691	7 24.1	+14 25.2	9.0	✓
" "	4978	"			√ Ma	+14 1684	7 22.9	+14 55.0	9.3	✓
" "	4979	"			√ Ma	+14 1699	7 26.2	+14 24.6	8.0	✓
" "	4980	32398			√ Ma	+42 3563	19 56.6	+42 49.7	7.8	✓
" "	4981	"			√ Ma	+46 2755	19 37.2	+46 58.1	7.5	✓
" "	4982	"			√ Ma	+47 2949	19 50.2	+47 33.2	8.0	✓
" "	4983	"			√ Md 4	+48 2942	19 39.5	+48 25.5	var. 7.1	✓
" "	4984	"			√ Mb	+48 2914	19 29.7	+48 55.5	6.5	✓
" "	4985	"			√ Mb	+49 3132	19 49.6	+49 12.9	8.1	✓
" "	4986	"			√ Ma	+49 3064	19 32.9	+49 52.6	var	✓
" "	4987	"			√ Br. lines	+50 2869	19 40.9	+50 10.7	8.3	✓
" "	4988	"			√ Ma	+50 2861	19 39.9	+50 43.2	7.9	✓
" "	4989	"			√ Mb	+51 2734	19 56.0	+51 45.1	7.3	✓
" "	4990	32387			√ Mbsc	+79 286	8 30.4	+79 29.0	8.3	✓
" "	4991	"			√ Md 6		9 31.1	+78 18 (1900)		✓
" "	4992	"			√ Md?	approx 1855	10 4	+77 48		✓

Type III

~~V~~? "Type IV Ud see I 27916 & chart plate I 31198 Known Announced later as Type VI

Type III

" III

" III

Var.? Known as S Canis Minoris

V Gemin.

Type III

RT Cygni.

Type IV Known as ~~Ud~~ Pec Var. R Cygni

~~V~~? "Comp. with chart plate I 13045 & proved to be Gas neb." Known as Gas neb.

Type III

" " Y Draconis

Var.? May be due to defect. 13 chart plate exam by Mr. F. shows no evidence of variation spectrum crossed by scratches & these may cause the effect of banding & apparent lines" Book 13 p. 180

Objects of Interest on Northern Spectrum Plates

	No	No Plate.	U.	H	Object.	DM No.		R.A.		Dec		Magn	
Jan. 18, 1905	4993	32378			√Ma	-2	581	3	7.3	-2	52.3	7.2	√
" " "	4994	"			√Mb	Approx	1855	~~6~~ 3	~~3~~ 6.3	-1	36	^	√
" " "	4995	"			√Mb	-1	475	3	12.0	-1	36.0	var 9.1	√
" " "	4996	"			√Ma	+1	567	3	7.4	+1	4.3	8.8	√
" " "	4997	32389			√Ma	-6	606	2	59.4	-6	39.0	5.3	√
" " "	4998	"			√Ma	-4	540	3	4.1	-4	22.0	6.4	√
" " "	4999	"			√Mcsd	-2	64~~3~~ 2	3	23.4	-2	~~29.6~~ 26.5	~~8.9~~ 9.3	^
" " "	5000	"			√Mb	-1	475	3	12.0	-1	36.0	var 9.1	√
" " "	5001	32395			√Mb	-1	4057	20	41.8	-1	5.6	6.8	√
" " "	5002	"			√Mc	+1	4359	20	39.5	+1	54.5	var 8.9	√
" " "	5003	"			√Ma	+2	4239	20	37.9	+2	45.3	8.5	√
" " "	5004	"			√Ma	+3	4384	20	30.1	+3	36.4	8.7	√
" " "	5005	32386			√Ma	+5	786	4	53.4	+5	6.9	9.3 ^	√
" " "	5006	"			√Mc	Approx.	1855	4	53.2	+5	~~37~~ 36		√
" " "	5007	"			√Ma	+5	805	4	58.3	+5	26.6	8.7	√
" " "	5008	"			√Mb	+6	810	4	54.0	+6	26.1	9.2	√
" " "	5009	"			√Ma	+6	794	4	50.8	+6	46.5	9.2	√
" " "	5010	"			√Md 1.5?	+7	768	4	51.1	+7	54.2	var.	√
" " "	5011	"			√Ma	+12	695	4	51.4	+12	36.2	8.4	√
" 5, "	5012	32467			√Md6:	-2	1581	6	15.4	-2	7.7	var	√
" 4, "	5013	32466			√Md.	(1855 Est.) 1900 Position		(4. 4	26. 32.6	+74 +74	8). 56		√
" 23, "	5014	32471			√Ma	DM +17	1973	8	47.2	+17	47	6.5 var.	√
" " "	5015	"			√Mb	DM. +18	2093	8	51.0	+18	42	7.0	√
" " "	5016	32472			√Ma	+9	44	0	19.4	+9	20.9	8.6	√
" " "	5017	"			√Ma	+8	62	0	22.4	+8	0.0	8.4	√
" " "	5018	32475			√Ma	+26	1346	6	36.7	+26	56	8.8	√
" " "	5019	"			√Md5	+30	1329	6	37.8	+30	25	9.5	√
" " "	5020	"			√Ma	+31	1388	6	32.8	+31	35	8.1	√
" " "	5021	32484			√Ma	+30	4695	22	16.0	+30	0.9	7.5	√

Type III

Type III

Var. ? 32 chart plates examined by Mr. F. fail to show change of over half a magnitude & even this change may be due to the character of the images according to position on plate not to be measured or announced see Book 13 page 184

x Ceti.

Type III

V Aquarii

Type III

R Orionis

V Monocerotis

Type III x Camelopard.

Var. x Type IV Known X Cancri

Type III

" III

" III

" III

x Gem

Var. x Known Type IV New Var. (Suspected before) not to be announced until meas. see Book 17 p. 54

Announced later - on Wendell's authority in Miss Cannon - Second Catalogue of Variable Stars - as having range of 0.28 magn.

Type III

Objects of Interest on Northern Spectrum Plates

	No	No Plate.	V	H	Object.	DM No.		RA		Dec		Magn	
Jan. 23, 1902	5022	32484			√Mb	+30	4703	22	17.3	+30	31.6	6.6	✓
″ ″ ″	5023	″			√Mb	+31	4645	22	3.8	+31	35.1	7.1	✓
″ ″ ″	5024	″			√Mc.	+34	4597	21	59.4	+34	39.0	8.5	✓
″ ″ ″	5025	32473			√Mb	+18	277	2	2.6	+18	49.0	6.0	✓
″ ″ ″	5026	″			√Ma	+21	293	2	3.5	+21	7.7	8.8	✓
″ ″ ″	5027	″			√Mb	+22	331	2	13.0	+22	45.4	7.8	✓
″ ″ ″	5028	″			√Md4	+24	330	2	7.9	+24	22.7	var.	✓
″ ″ ″	5029	32478			√Ma	+20	405	2	21.2	+20	11.6	8.1	✓
″ ″ ″	5030	″			√Ma	+22	331	2	13.0	+22	45.4	7.8	✓
″ ″ ″	5031	″			√Ma	+18	277	2	2.6	+18	49.0	6.0	✓
″ ″ ″	5032	″			√Ma	+24	305	2	0.1	+24	7.3	7.6	✓
″ ″ ″	5033	″			√Md4	+24	330	2	7.9	+24	22.7	var.	✓
″ ″ ″	5034	32388			√Ma	+35	2046	9	35.5	+35	21.8	7.7	✓
″ ″ ″	5035	″			√Mdg	+35	2050	9	36.9	+35	10.4	var 8.6	✓
″ ″ ″	5036	″			√Mb	+33	1907	9	38.7	+33	26.8	7.5	✓
″ ″ ″	5037	″			√Ma	+32	1912	9	32.1	+32	14.3	8.6	✓
″ ″ ″	5038	″			√Ma	+32	1941	9	42.2	+32	4.5	7.2	✓
″ ″ ″	5039	32392			√Mb	+36	1963	9	19.6	+36	47	8.6	✓
″ ″ ″	5040	″			√Md	Approx	1855 pos.	9	4.5	+35	36		✓
″ ″ ″	5041	″			√Ma	+35	2046	9	35.5	+35	22	7.7	✓
″ ″ ″	5042	″			√Mdg	DM+35	2050	9	36.9	+35	10	var	✓
″ ″ ″	5043	″			√Ma	+33	1907	9	38.7	+33	27	7.5	✓
″ ″ ″	5044	″			√Ma	+32	1941	9	42.2	+32	4	7.2	✓
″ ″ ″	5045	32396			√Mc	+53	2684	21	35.8	+53	40.0	var. 8.6	✓
″ ″ ″	5046	″			√Mb	+54	2603	21	37.3	+54	10.1	9.1	✓
″ ″ ″	5047	32498		—	√Ma	+15	1957	8	53.3	+15	51.2	8.7	✓
″ ″ ″	5048	″		—	√Ma	+17	1944	8	40.4	+17	53.2	9.3	✓
″ ″ ″	5049	″		—	√Mb	+18	2093	8	51.0	+18	42.0	7.0	✓
″ ″ ″	5050	″		—	√Ma	+19	2128	8	48.9	+19	9.0	9.5	✓

Type III
" "
Var. ~~?~~ Type III See B 32243
Type III

R Arietis
Type III
" III
" III
" III
R Arietis Type III
Type III
" III R Leo. Min.
" III
" III
" III
" III
" " Var. ~~?~~ known S Leonis Min. ~~(?)~~
" III
" III R Leo Minor.
" III
" III
" III RU Cygni.
" III
" III
" III
" III
" III

Objects of Interest on Northern Spectrum Plates

No	No. Plate.	V	H	Object.	DM No.		R.A.		Dec.		Magn.	
Jan. 23 1905 5051	32498			√ Pec.	Approx	1855	8	59.6	+22	~~8~~ 9		√
" " 5052	"			√ Ma	+23	2023	8	49.5	+23	31.2	8.3	√
" " 5053	"			√ Ma	+25	2024	8	51.9	+25	3.1	8.3	√
" " 5053a	32523			√ Md 4	+39	2773	14	23.9	+39	30.4	7.5 var.	
Feb. 9, 1905 5054	32474 ~~128113~~	12.8 ~~128113~~	11.3	√ Ma	A.G.C.	4528	3	59.3	~~+~~ −26	8	7 1/4 (1900)	√
Jan. 23, 5053+	32524			√ Md 9	−22	3601	13	21.8	−28	32	var.	
" " 5055	"	16.8	15.4	√ Md4	{Position	(1900)	3	51.0	−24	20		
					{C.DM. −24°	1960	3	49.9	−24	24	8.6}	
" " 5056	"	17.0	6.5	√ Ma	A.G.C.	4706	4	8.6	−24	5	6.8 (1900)	√
					~~C.DM. −26°~~	~~1535~~	~~4~~	~~58.4~~	~~−2~~			
" " 5057	32476	20.4	13.0	√ Ma	+24	1549	~~6~~ 7	~~2.7~~ 2.4	+24	~~25.2~~ 54.0	~~9.4~~ 8.3	√
" " 5058	"	21.2	8.1	√ Na	+25	1643	7	12.1	+25	15.4	9.2	√
" " 5059	32497	4.3	8.2	√ Ma	+3	1684	7	19.0	+3	6.2	8.8	√
" " 5060	"	5.9	7.8	√ Ma	+3	1688	7	19.6	+3	51.3	8.5	√
" " 5061	"	9.8	17.8	√ Mb	+5	1668	7	19.6	+5	39.7	9.5	√
" " 5062	"	10.4	20.5	√ Ma	+5	1635	7	14.7	+5	52.8	8.3	√
" " 5063	"	11.7	13.6	√ Mb	+6	1720	7	27.3	+6	30.5	8.0	√
" " 5064	"	16.4	14.8	√ Md 8	+8	1800	7	24.8	+8	37.8	var.	√
" " 5065	"	16.5	10.2	√ Mf? Br. ~~line~~	+8 Approx	1847a (1855)	7	33.5	+8	43	var.	√
" " 5066	"	22.4	14.4	√ Mb	+11	1607	7	25.5	+11	19.2	8.1	√
" " 5067	"	22.6	13.8	√ Mb	+11	1616	7	26.6	+11	24.0	9.3	√
" " 5068	32496	16.1	20.0	√ Md. 8	+8	1800	7	24.8	+8	37.8	var.	√
" " 5069	32499	11.0	15.9	√ Br. line	+66	1066	17	58.6	+66	38.3	neb.	√
" " 5070	"	16.6	14.7	√ Pec.	Approx	1855	17	53.0	+64	~~10~~ 9		√
" " 5071	"	18.3	17.0	√ Br. line	"	"	18	2.5	+63	23		√
" " 5072	"	20.3	18.4	√ Ma	+62	1599	18	7.6	+62	27.1	9.1	√
" " 5073	32513	13.9	18.1	√ Md 5	1900	Position	9	40.4	−23	34		
" " 5074	"	16.1	15.0	√ Na	−22	2739	9	44.4	−22	20.4	6.6	√
" " 5075	32514	8.6	14.8	√ Ma	A.G.C. (1900)	14868	10	48.1	−24	13	8 1/4	√ =
" " 5076	"	21.5	14.8	√ Mb	−18	3047	10	45.8	−18	8.1	9.7	√
" " 5077	"	21.8	10.7	√ Ma. 5 d	−17	3281	10	53.4	−17	32.7	var.	√
" " 5078	32515	8.5	10.9	√ Ma	−8	3301	12	5.9	−8	16.3	8.0	√
" " 5079	"	13.7	14.1	√ Mb.	−5	3424	11	59.8	−5	57.2	7.0	√

New Dark bands

Hy and H Sh. but very narrow. V Bootis.

= C.Dm.-26 1535 3 58.4 -26 11 7.1
R Hydrae.

T Eridani

= C.Dm.-24 2153 4 7.5 -24 8 6.8

Type ~~I~~ IV. Var.? Known Type IV ? 14 chart plates examined by [illegible] show slight if any evidence of variation see Nov. 18 p. 191

Known S Canis Min

Type V ? U Canis Minoris. Comp. with Sp. on I 32293 shows that the apparent bright line is the edge of the bright band in a third type spectrum. W.P.F. Feb. 25, 1905.

Var. ~~*~~ ? Known S Can. Minoris

Gas. Neb. Known

~~Type IV~~ ? Dark bands New.

Type V or Var. ? see Sover I 32199 Neither the pres. or 9 chart plates. Better spectrum plate wanted.

Var. ? RR Hydrae.

Type IV Y Hydrae

= C.D.M.-24° 9384 10 46.9 -24 5 8.2

Var. ? R Crateris.

Objects of Interest on Northern Spectrum Plates.

	No.	No. Plate.	V	H	Object.	DM No.		AR		Dec.		Magn.	
Feb. 9. 1905	5080	32515	15.5	20.9	✓ Ma	−5	3382	11	47.3	−5	9.1	8.7	✓
″ ″	5081	″	21.4	18.4	✓ Ma	−2	3446	11	51.8	−2	30.9	7.3	✓
″ ″	5082	″	16.0	15.4	✓ F?	−4	3199	11	57.3	−4	57.7	8.7	✓
″ ″	5083	32520	16.1	15.0	✓ Mb	−5	3424	11	59.8	−5	57.2	7.0	✓
″ ″	5084	″	18.2	15.9	✓ Mb	−5	3416	11	58.2	−5	2.0	6.7	✓
March 4.	5085	32730	9.8	15.5	✓ Na	+17	1973	8	47.2	+17	47	6.5	
″ ″	5086	″	11.8	13.5	✓ Ma	+18	2093	8	51.0	+18	42	7.0	
	5087	″	15.4	15.0	?	+20	2243	8	48.4	+20	24	var.	
	5088	″	21.9	8.0	✓ Ma	+23	2055	9	1.6	+23	16	7.9	
April 1905	5089a	32998			✓ Md3	+54	1925	17	54.7	+54	41	7.5	
Apr. 13 ″	5089	32992			✓ Md7	Approx 1855		12	32.3	+59	17		✓
″ ″	5090	″			✓ Md5	DM +60	1406	12	29.8	+60	17	var.	✓
May 25, ″	5091	32618			✓ Mb5c	DM +57	165	0	46.3	+57	46	var.	✓
″ ″	5092	33011			✓ Mb5c	DM −5	2550	8	22.5	−5	50	8.4	✓
″ ″	5093	″			✓ Mb	DM −8	2343	8	17.4	−8	3	7.4	✓
″ 25 ″	5094	33012			✓ Mc	DM +24	2901	15	32.1	~~+25~~ +24	60	7.4	✓
″ ″	5095	33024			✓ Ma	DM −8	3401	12	33.7	−8	27	7.6	✓
″ ″	5096	″			✓ Ma	DM −6	3626	12	34.5	−6	42	7.0	✓
″ ″	5097	″			✓ Md?	Approx 1855		12	26.5	−3	37		✓
″ ″	5098	″			✓ Mb	DM −1	2674	12	21.7	−1	37	7.7	✓
″ ″	5099	33036			—	DM −15	4338	16	25.4	−15	49	var.	✓
″ 26 ″	5100	33046			✓ Mb.	DM −5	3424	11	59.8	−5	57	7.0	✓
″ 29 ″	5101	33080			✓ Mb	DM −1	2674	12	21.7	−1	37	7.7	✓
″ ″	5102	33083			✓ Md6	Approx	1855	13	31.7	+74	11		✓
May 4, ″	5103	33021			✓ Md9	DM +19	3098	16	19.4	+19	13	var. 8.7	✓
June 6, ″	5104	33034			✓ Ma	DM +69	707	13	31.8	+69	19	9.0	✓
″ ″	5105	″			✓ Md6	approx	1855	13	31.7	+74	11		✓
″ ″	5106	″			✓ Mb.	DM +75	512	13	36.1	+75	3	7.7	✓
″ ″	5107	33037			✓ Md9	DM + ~~80~~ 8	3970	18	59.4	+ ~~80~~ 8	1	var.	✓
″ ″	5108	33047			✓ Ma	DM +30	2279	12	21.3	+30	24	7.9	✓

~~R. X. Virginis~~
R. X ~~W.~~ Virginis
~~R. W. Virginis~~
Type IV var.* Known

Too ft. T Cancri.

var.* New Ner-Val.
T Ursae Maj.
S Cassiop.

Known Y Vir.

T Ophiuchi. Too ft.
R W ~~U~~ Vir.

T Ursae Min.
U Herculis X

T Ursae Minor.

R Aquilae

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate	V	H	Object.	DM No.	R.A.	Dec.	Magn.	
June 6, 1905	5109	33047			✓ Mc	approx 1855	12 23	+32 18		✓
For more objects marked in June see page 46										
May 16, "	5110	33048			✓ Mc	DM+49 3225	20 8.5	+49 11	8.7	✓
" " "	5111	"			✓ Br. lines	DM+50 2869	19 40.9	+50 11	8.3	✓
" " "	5112	"			✓ Br. lines	approx ~~1855~~ 1900 pos.	19 ~~45.7~~ 47.0	+48 ~~35~~ 42		✓
" " "	5113	"			✓ Ma	DM+51 2795	20 8.3	+51 51	8.7	✓
" " "	5114	"			✓ Ma	DM+51 2787	20 6.6	+51 57	7.5	✓
" " "	5115	"			✓ Mb	DM+51 2734	19 56.0	+51 45	7.3	✓
" " "	5116	"			✓ Br. line	+43 3571	20 15.6	+43 24	7.5	✓
" " "	5116a	"			✓ Br. lines	Gas. neb.	20 7.2	+46 10	(1900) position	✓
June 6, "	5117	33057			✓ Mb	DM+36 2672	15 53.1	+36 26	8.8	✓
" " "	5118	"			✓ Md 4	approx 1855	16 10.2	+38 10		✓
" 9 "	5119	33085			✓ Mc	DM+38 2501	13 54.2	+38 35	8.9	✓
" " "	5120	"			✓ Md 8 Var?	DM+40 2694	13 42.7	+40 16	var. 9.2	✓
" " "	5121	"			✓ Mb	DM+40 2701	13 45.6	+40 24	6.9	✓
" " "	5122	33088			✓ Md?	DM+35 2792	16 7.7	+35 49.0	9.4	✓
" " "	5123	"			✓ Ma	DM+36 2715	16 10.6	+36 14	7.9	✓
" " "	5124	"			✓ Md 4	approx 1855	16 10.2	+38 10		✓
" " "	5125	33089			✓ Md 7	DM-22 3601	13 21.8	-22 32	var.	✓
" " "	5126	33091			✓ Mc 5d	DM-6 3469	11 45.3	-6 48	9.2	✓
" " "	5127	"			✓ Ma	DM-6 3509	12 1.~~8~~1	-6 ~~2~~36	8.6	✓
" " "	5128	"			✓ Mb	DM-5 3424	11 59.8	-5 57	7.0	✓
" 16, "	5129	33093			✓ Ma	DM+66 684	10 38.5	+66 14	9.0	✓
" " "	5130	"			✓ Mb	DM+66 681	10 37.8	+66 22	7.9	✓
" " "	5131	"			✓ Na	DM+68 617	10 35.0	+68 10	6.2	✓
" " "	5132	"			✓ Md 7	DM+69 587	10 34.3	+69 32	var.	✓
" " "	5133	33100			✓ Ma	DM+27 2733	16 54.1	+27 33	7.2	✓
July 7, "	5134	33153			✓ Br. lines	Est. (1855) ~~+76 839~~	21 29.3 ~~21 29.1~~	+76 30 ~~+76 26~~	~~9.5~~	
For more objects marked July 7 see page 46										
May 22	5135	33013			✓ Mc	DM-2 3653	13 6.6	-2 2.1	8.2 (1855)	✓
" "	5136	33017			✓ Md?	DM-5 3424	11 59.8	-5 57	7.0	✓
" "	5136a	33017			✓ Br. lines var?	DM-3 3225	11 54.2	-3 49	9.5	✓
" "	5137	33018			✓ Md 7	DM-22 3601	13 21.8	-22 32	var.	✓

T Canis Venat.

Type V Known as Gas neb.

Known ~~V~~ Gas neb. Comp. and with chart I 23141

Type V or Gas neb.? Gas neb or Type V? ~~Known Gas neb.~~ Known Type V

H Coronae.

R Can Ven. ?

Var.? New but "measure before announcing" Mrs. F finds variation of about 0.7 magn. on 18 chart plates see Book 17 p. 53

~~Var.~~?

Var? H Coronae.

R Hydrae

Var.? ~~?~~ New

R H Virginis.

Known Type IV Var.? an examination of 21 A.C. plates by Mrs. F. shows a variation of magn. about 0.5 Not to be announced or measured until further evidence of variability is obtained see Book 17 page 53 announced later second in Miss Cannon's variable star Cat on Mr. Wendell's authority of 0.45 magn. range found

Var.? R Urs. Maj.

Type III ? Var.? "Probably a defect" as it is not on I 29557 a much better plate.

Var.? Known

Rec. R. H. Vir.

"Probably defect. Not on I 33091

R Hydrae

Objects of Interest on Northern Spectrum Plates

	No.	No. Plate	V	H	Object	DM No.	R A	Dec	Magn	
1905 May 22	5138	33018			✓ Ma	DM -20 3852	13 28.9	-20 58	8.3	✓
" "	5139	33025			✓ Mc	DM +39 2773	14 23.9	+39 30	var. 7.5	✓
" "	5140	"			✓ Ma	DM +41 2510	14 27.2	+41 28	8.3	✓
" "	5141	33038			✓ Md 9-10	DM +12 2096	9 39.8	+12 6	var.	✓
" "	5142	33058			✓ Md 7	DM +50 4202	23 51.1	+23 35	var	✓
" "	5143	33042			✓ Na	DM +17 1973	8 47.2	+17 47	var ~~6.5~~	✓
	5144				✓ Mb	DM +18 2093	8 51.0	+18 42	7.0	✓
See page 46 48 for more "objects marked in May.										
July 18	5145	33165			✓ Mb Pec.	DM +28 2477	15 42.6	+28 36	var	✓
See page 46 for more ~~August~~ plates marked in Aug.	5145a				✓ Mbf	+24 2991	15 32.1	+24 60	7.4	
Aug 30	5146	33255			✓ Mb	DM +5 3234	16 29.6	+5~~8~~ 19	8.7	✓
	5146a	"			✓ a	+7 3209	16 29.8	+7 23	var.	
Sept. 11	5147	33221			✓ Ma	+78 762	21 47.5	+78 21	7.8	
" 11	5148	33248			✓ Na	DM +9 4369	19 54.1	+9 ~~70~~ 7	8.7	✓
" 11	5149	33250			✓ Mb	DM +1 4503	21 27.3	+1 12	7.7	✓
" 11	5150	33272			✓ Type V	+43 3571	20 15.6	+43 24	7.5	
" 11	5151	"			✓ "Gas neb." ~~type V~~	announced 1900 (~~1855~~)	20 ~~5.9~~ 7.2	+ ~~43~~ 46 10		✓
" 11	5152	"			✓ Br. line	Approx (1855) pos.	20 ~~5.9~~ 6.3	+46 ~~50~~ 30		✓
" 11	5153	"			✓ Mc.	+49 3225	20 8.5	+49 1	8.7	
" 11	5154	33274			✓ Ma	DM +8 5020	22 3 5.8	+8 10	7.7	✓
" 11	5155	"			✓ Md. 10	DM +9 5158	22 59.4	+9 45 6	var.	✓
" 11	5156	"			✓ Mb5c	DM +9 5191	23 9.5	+9 49	8.5	✓
" 11	5157	33278			✓ Mb5c	DM +40 450~~3~~ 2	21 17.2	+40 ~~5~~ 19	~~7.6~~ 7.2	^
" 11	5158	"			✓ Br. line	Approx 1855 pos. ~~DM +40 4574~~	21 29.5 ~~21 29.4~~	+40 30 ~~+40 28.8~~	~~9.5~~	
" 11	5159	"			✓ Mb5c	DM +44 3895	21 34.0	+44 32	9.2	✓
" 11	5160	"			✓ Mb5c	DM +44 3877	21 30.6	+44 44	var. 6.7	✓
" 11	5161	"			✓ Mb	DM +45 3637	21 36.6	+45 6	6.2	✓
" 11	5162	"			✓ Ma	DM +47 3436	21 25.6 5	+47 2	7.9	✓
" 11	5163	33277			✓ Mb5c	+17 4370	20 31.3	+17 46	7.0	
" 11	5164	"			✓ Mc.	+15 4172	20 22.5	+15 47	8.3	
" 11	5165	"			✓ Ma	+18 4525	20 25.6	+18 8	7.4	
" 11	5166	33226			✓ Md	+12 4228	20 0.2	+12 31	8.8	

V Boötis.

R. Leonis

R Cassiop.

Type ~~IV~~ Known X Cancri.

Type III R Coronae.

" III

Var.? Type IV. Known Type IV 32 chart plates examined by Mrs. F. show a slight variation of about 0.4 magn. not to be meas. or announced until a greater range has been found - See Book 17 p. 51 or further conf. of actual variation Announced later in Second catalogue of variable stars in Wendell's ~~[illegible]~~ [illegible] Range of 0.30 magn found.

Type III

Known

~~New.~~ ? Known Gas neb. Br. line of gr. λ than Hβ See chart plate I 32008

Var. ? Not conf. on spect. plate I 16310 18 chart plate exam. by Mrs. F. show no evidence of variation in either of the faint stars near this pos. may be due to defect see Book 17 page 50

Type III

" III

Var = R Pegasi.

Type III

May be defect not on 2 spect. plate I 17739. & no star on chart plate I 22870 in this position.

Type III

Var. New

Objects of Interest on Northern Spectrum Plates

1905	No.	No. Plate	Y	H	Object	DM No.	R.A.	Dec.	Magn.
Sept. 11,	5167	33226			✓ Br. lines	(Est. 1855)	20 ~~2~~ 135	+16 ~~3~~ 17	✓
" 11,	5168	"			Br. lines?		Defect. see cover.		
" 11,	5169	"			✓ M l	DM.+16° 4199 (~~Est~~. 1855)	20 7.7	+16 6 36	9.3
	5169a				✓ Ma	+16 4153	20 1.5	+16 16	6.5
" 11,	5170	33268			✓ Br. lines?	DM. +33° 4492	22 16.5	+33 57	9.4
" 11,	5171	33280			✓ Md7	+14 2864	15 14.9	+14 49	var.
" 11,	5172	"			✓ Ma	+15 2845	15 13.3	+15 5	7.3
" 11,	5173	"			✓ Mc	+15 2890	15 29.8	+15 34	6.7
" 11,	5174	33286			✓ Md7	+8 3780	18 31.4	+8 42	8.6
" 11,	5175	"			✓ Pec.	+6 3898	18 34.9	+6 41	9.0
" 11,	5176	33287			✓ Md5	+37 2771	16 30.1	+37 38	8.7
" 11,	5177	33161			✓ Md8	+67 1291	21 7.6	+67 54	8.7
" 11,	5178	33222			✓ Ma +34 4086	~~+36 4028~~ ~~+35 4000~~ +35 4001	~~20~~ 29 ~~16.1~~ ~~20 4.8~~ 20 4.8	~~+36~~ +34 24 ~~+35 46~~ +35 45	8.5 ~~9.0~~ 8.5
" 11,	5179	"			✓ Type V	~~+35 4013~~			
" 11,	5180	"			✓ "	+35 4013	20 6.5	+35 46	8.0
					✓	+36 3956	20 9.1	+36 13	8.0
" 11,	5181	"			✓ "	+36 4028	20 16.1	+36 28	9.5
" 11,	5182	"			"				
" 11,	5183	"			✓ "	+36 3987	20 11.6	+36 59	8.1
" 11,	5184	"			✓ Ma	+37 3946	20 23.0	+37 19	8.4
" 11,	5185	"			✓ Ma	+37 3988	20 30.4	+37 8	8.7
" 11,	5186	"			✓ Type V	+37 3821	20 6.8	+37 55	7.1
" 11,	5187	"			✓ "	+38 4010	20 14.2	+38 17	8.7
" 11,	5188	"			✓ "	(Est. 1855)	20 23.0	+38 ~~2~~ 8	
" 11,	5189	"			✓ Ma	+38 4104	20 23.2	+38 40	9.1
" 11,	5190	"			✓ Mb5c	+39 4152	20 16.4	+39 59	8.8
" 11,	5191	"			✓ Ma	+39 4302	20 39.6	+39 53	8.8
" 11,	5192	"			✓ Type V	+43 3571	20 15.6	+43 24	7.5
" ~~11,~~	~~5193~~	"			"				
" 11,	5194	33227			✓ Ha Var?	+42 4827	23 57.2	+42 45	8.4
" 11,	5195	"			✓ Ml	+37 58	0 16.4	+37 46	var.

Gas. Neb. Known ~~New not in BD 20^h 2.8^m +16° 15'~~ (1855)

Var.?

~~Md? Var.~~ See also B I 34351 page 108

Md? Var? 10 chart plates show variation of about 0.4 magn. spect. plates I 33337 I 33361 do not confirm. Not to be announced without further evidence book 17 p.46

~~Type III Var = S Serpentis~~

S Serpentis Type III

" " " "

" " " "

Known X Ophiuchi

Var? Dark band at λ 467–8 New {20 chart plates by Mrs. F. examined & show variation of about 0.5 magnitudes. Look for greater change before announcement book 17 p.171

Var. = S Herculis

T Cephei

Type III

Known

Known

Known

Known

Known

Known

Known

New Type V Compared with chart plate I 16259 & proved to be Type V

Known

Type IV Known Type IV New var. (susp. before by Espin)

" III

Objects of Interest on Northern Spectrum Plates

1905	No	No Plate.	V	H.C.	Object	DM No.	AR.	Dec.	Magn.	
Sept. 11,	5196	33228			✓ Mb	+37 2661	15 31.0	+37 51	8.5	
" "	5197	"			✓ Mc	DM +38° 2698	15 41.4	+38 42	9.5	
" "	5198	"			✓ Mb5c	+39 2901	15 36.1	+39 2	7.0	
" "	5199	"			✓ Ma	+40 2914	15 38.8	+40 1	7.9	
" "	5200	33239			✓ Md5	-19 5367	19 8.2	-19 34	var.	
" "	5201	"			✓ Br. lines	-18 5203	18 57.7	-18 9	9.8	
" "	5202	"			✓ Na	-16 5272	19 10.9	-16 10	6.8	
" "	5203	33275			✓ Br. lines	Approx. (1855)	16 11.6	-12.8 ~~+13.1~~	(see pl. cover.	
" "	5204	33266			✓ Ma	-17 5588	19 12.2	-17 18	8.1	
" "	5205	"			✓ Mb	-15 5259	19 2.6	-15 19	7.5	
(See page 46 for more ~~Sept~~ plates marked in Sept.)										
" 21,	5206	33313			✓ Md?	-9 4911	18 48.5	-9 9	9.0	
" "	5207	"			✓ Na	-8 4726	18 42.5	-8 4	7.1	
" "	5208	"			✓ Br. lines	Announced 1900 pos. ~~(Est. 1855)~~	18 56.8 ~~54.7~~	-4.6 35		
Oct. 2	5209	33362			✓ Br. lines	+35 4001	20 4.8	+35 45	8.5	✓
"	5210	"			✓ "	+35 4013	20 6.5	+35 46	8.0	✓
"	5211	"			✓ "	+36 3956	20 9.1	+36 13	8.0	✓
"	5212	"			✓ "	+36 4028	20 16.1	+36 28	9.5	✓
"	5213	"			✓ "	+36 3987	20 11.6	+36 59	8.1	✓
"	5214	"			✓ "	(Est. 1855)	19 58	+37.6		
"	5215	"			✓ "	+37 3821	20 6.8	+37 55	7.1	
"	5216	"			✓ "	+38 4010	20 14.2	+38 17	8.7	
"	5217	"			✓ Mb	+37 3946	20 23.0	+37 19	8.4	
"	5218	"			✓ Mc5d	+39 4152	20 16.4	+39 59	8.8	
"	5219	"			✓ Ma	+41 3603	20 0.3	+41 9	8.4	
" 10	5220	33435			✓ Type IV?	+53 379	1 35.9	+53 14	9.4	
" "	5221	"			✓ Mb	+55 290	1 10.5	+55 34	8.8	
" "	5222	"			✓ Br. lines	Announced 1900 pos. ~~(Est. 1855)~~	1 32.4 ~~1 29~~	+57.~~4~~ 39		
" "	5223	33436			✓ Br. lines	+56 686	2 30.7	+56 6	9.1	
	5224	33784			✓ Mb.	+57 756	3 44.3	+57 14	9.1	
" "	5224	33437			✓ Ma	+55 749	3 1.7	+55 36	8.0	
Oct. 4	5224a	33384			✓ Pec.	+61 667	3 53.3	+61 24	✓ 7.5	

Type III
Mesd var. on B I 34019 Assumed to be + 38° 2698 though about 2' north of pos. given in DM cat.

Type III = R Sagittarii
Var. ? Not conf. See cover I 33239
Var. ? Type IV Known Type IV slight if any evidence See cover I 33239
No star in this pos. on chart pl. I 768 or spect. plate I 3737 "Assumed to be defect on I 33275"
Type III

Var ? 17 chart plate examined by Mrs. F. fail to show evidence of variation Br. lines may be due to defect on B 10163 spectrum to seem to be clear See Book 17 p. 56
Type IV Known Type IV Var. S Scuti
Nova Aquilae No. 2
Type V Known
" Known
" Known
" Known
" Known
" ? "Probably defect."
" Known
" Known

Var ? Not confirmed See cover I 33362

or V
Type III
" V New ? Comp. with chart I 29647 shows that Br. lines are shorter than one of few are length Hβ - Assumed to be Type V of var. not a suspic. because cat. star - 11 chart - plates show no variation evidence of variation See Book 17 page 57
" V Known
Type III
Var ? Known as Type IV Announced later as Type VI variability not confirmed See cover I 33486

Objects of Interest on Northern Spectrum Plates

1905	No	Plate No.	V	H	Object	D.M. No.		R.A.		Dec.		Magn.
Oct. 10	5225	33437			√ Pec.!	+57	702	3	0.3	+57	20	7.9
" 16	5226	33410			√ Ma	+58	2602	23	23.5	+58	37	8.4
" "	5227	"			√ Mdg	+58	2560	23	5.5	+58	54	9.5
" "	5228	"			√ Bi. lines	+59	2683	23	8.9	+59	40	9.0
" "	5229	33411			√ Mb	+59	2806	23	53.0	+59	33	9.0
" "	5230	"			√ Na	+59	2810	23	53.9	+59	33	7.8
" "	5231	"			√ Ma	+61	128	0	27.9	+61	53	8.7
" "	5232	"			√ Bi. lines	+63	83	0	34.9	+63	59	9.5
" 2,	5233	33358			√ Md?	(Est. 1855)		21	56.8	+77	~~8~~ 26	
" "	5234	"			√ Mb	+76	862	22	27.5	+76	50	8.2
" "	5235	33361			√ Mb	-6	5487	20	20.1	-6	8	7.3
" "	5236	33363			√ Md?	(1855)		21	8.	+82.5		
" "	5236a	"			√ Mb?	+79	683	20	46.5	+79	58	9.0
" "	5237	"			Ma ~~Var~~?	+79	721	21	56.4	+79	37	6.4
" "	5238	33364			√ Mb	+12	4801	22	11.2	+12	52	9.0
" "	5239	"			√ Md8	+13	486~~8~~ 6a	22	~~5.2~~	~~+13~~	~~54~~	~~9.3~~
" "	5240	33365			√ Type V?	~~+59~~ Est.	~~544~~ 1855	2	36.~~7~~ 6	+5~~9~~7	~~51~~ 50	~~9.2~~
" "	5241	"			√ " V?	(Est. 1855)		2	57.0	+58.~~2~~ 3		
" "	5242	"			√ Pec.	+57	702	3	0.3	+57	20	7.9
" "	5243	"			√ Type V	+56	731	2	41.5	+56	20	9.5
" "	5244	"			√ " V	+56	686	2	30.7	+56	6	9.1
" "	5245	33387			√ Mb	+28	2662	16	59.1	+28	53	8.1
" "	5246	"			√ Ma	+29	2978	17	11.9	+29	5	7.0
" "	5247	"			√ Mb	+29	2951	17	4.8	+29	22	8.2
" "	5248	33388			√ Bi. lines	Announced Pop. 1900 ~~(Est. 1855)~~		20 ~~20~~	7.1 ~~5.0~~	+11 ~~+11~~	35 ~~27~~	
" "	5249	"			√ Mb	+12	4200	19	56.3	+12	50	9.0
" "	5250	"			√ Ma	+12	4229	20	0.3	+12	55	7.2
" "	5251	"			√ Ma	+14	4213	20	4.6	+14	37	8.6
" "	5252	"			√ Ma	+14	4179	20	0.5	+14	52	8.0
" "	5253	"			√ Ma	+15	4040	19	58.8	+15	6	6.0

Known as Type IV Announced later Type VI
Type IV ? or Type V reversed, dark bands?
Type III
" " Var ? V. Cassiop.
" V New

" III
Var. ? Type IV Known Type IV sus~~p~~ of variability many times by others See Miss Cannon's Second Catalogue variable stars -
Type III
" V (?) Known
Var. ? Not conf. See cover I 33358

var ? X Cephei.

Var. ? R S Pegasi. Error assumed in pos. given in DM. See note on Card Cat (III Type)
Probably defects - No star on chart plate I 12186
Probably defects No star on chart plate I 12186
Dark band at wave-length 470. Known as Type IV announced later as Type VI
Known
Known

" New

Objects of Interest on Northern Spectrum Plates

1905	No	No Plate.	Q	H	Object.	DM No.	R.A.	Dec.	Magn.
Oct. 2	5254	33388			√ Ma	+16 4153	20 1.5	+16 16	6.5
"	" 5255	"			√ Br. lines	Announced 1900 pos ~~(Est. 1855)~~	20 15.6 ~~20 13~~	+16 25 ~~+16.3~~	
"	" 5256	"			√ Mt	+16 4237	20 15.8	+16 28	8.0
"	" 5257				√ Br. lines	(Est. 1855)	20 1.6	+17 ~~8~~ 30	
	5257a	33407			Pec. Nd	+53 379	1 35.9	+53 14	9.4
"	" 5258	33407			√ Mt 5c	+54 431	1 50.0	+54 7	9.0
"	16 5259	33457			√ Br. lines	+63 83	0 34.9	+63 59	9.5
"	" 5260	"			√ Ma	+65 1993	23 56.4	+65 54	6.4
"	" 5261	"			√ Ma	+67 1564	23 42.2	+67 51	8.4
"	" 5262	"			√ Ma	+69 50	0 44.1	+69 10	7.5
"	" 5263	33459			√ Md	+71 183	2 50.4	+71 2	9.5
"	" 5264	33418			√ Mt	+3 3705	18 17.9	+3 25	8.1
"	" 5265	"			√ Ma	+5 3634	18 4.6	+5 26	8.2
"	" 5266	"			√ Md6	+8 3780	18 31.4	+8 42	8.6
"	" 5267	33486			√ Mt	+57 756	3 44.3	+57 14	9.1
"	" 5268	"			√ Nd Pec.	+61 667	3 53.3	+61 24	7.5
"	25 5269	33541			√ Mt	−10 5035	19 12.4	−10 49	7.3
"	" 5270	"			√ Pec.	−10 5057	19 15.2	−10 59	7.0
"	" 5271	33542			√ Mc	+45 2913	19 25.9	+45 51	7.0
"	" 5272	"			√ Ma	+48 2818	19 58.4	+48 32	9.0
"	" 5273	"			√ Md6	+49 2999	19 20.7	+49 57	7.5
"	" 5274	"			√ Ma	+50 2791	19 22.1	+50 34	7.8
"	" 5275	"			√ Ma	Approx (1855)	19 7.7	+50 ~~6~~ 34	∧
"	" 5276	"			√ Ma	+51 2548	19 13.9	+51 5	7.4
"	" 5277	33544			√ Mt	+62 1725	19 30.4	+62 49	8.0
"	" 5278	"			√ Ma	+66 1185 √ +66 1193	19 16.8 19 19.3	+66 13 +66 42	8.5 8.0
"	" 5279	"			√ Mt	↙			
"	" 5280	"			√ Md6	+67 1124	19 9.9	+67 2	9.5
"	" 5281	"			√ Ma	+67 1102	18 55.6	+67 11	9.1
"	" 5282	"			√ Ma	+67 1130	19 12.7	+67 20	9.1

Gas. Neb. Known

Known Type IV V Type Probably defect.
= U Persei.

Type V Known

" III

" III

" III

Var ? Type III Not confirmed See cover I 33459

Type III

" "

Var ~~?~~ " = X Ophiuchi.

Type III

Var ? Type IV ? Known Type IV Announced later Type VI No evidence variation on 34 chart plates See cover I 33486

Type III

Known Type VI Cir 145

Type III

" III

Var. ? Type III not confirmed See cover 33542

Type III

" III See spectrum plate I 35424 & chart pl. I 28853 for ident.

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Var. " III U Draconis.

Type III

Objects of Interest on Northern Spectrum Plates

	No.	Plate No.	V.	H	Object	DM No.		R.A.		Dec.		Magn.
1905 Oct. 25	5283	33544			√ Ma	+68	1062	19	24.0	+68	44	7.3
" "	5284	"			√ Mt	+69	1058	19	35.9	+69	28	8.0
" "	5285	33550			√ Ma	+31	144	0	49.1	+31	6	7.9
" "	5286	"			√ Ma	+32	178 ^{7}	0	55.0	+32	32	8.0
" "	5287	"			√ Md4	+33	·· (900)	0	45.9	+33	50	
" "	5288	"			√ Ma	+36	170	0	51.2	+36	3	8.5
"	5289	"			√ Ma	+36	~~13~~ 145	0	45.0	+36	9	8.6
← Aug. 1905	5290	33166			Type IV Ma	-8	4726	18	42.5	-8	4	7.1
← Sept." 1905	5291	33276			√ Br. lines	+6	3649	18	5.1	+6	49	8.5
Oct 10	5292 Also see page 64	33420			√ Mb.	~~-5~~ -4	5337	20	54.1	-4	42	7.3
" "	5293	33419			√ Mb	+17	4401	20	38.8	+17	34	6.8
" "	5294	33419			√ Ma	+18	4525	20	25.6	+18	8	7.4
Oct ?	5295	33453			√ Mc	+1	4359	20	39.5	+1	54	8.9
" "	5296	33453			√ Ma	+2	4239	20	37.9	+2	45	8.5
← Sept 11	5297	33223			~~Br. lines~~							
← Sept 11	5298	33223			√ Mc	+57	1786	17	34.6	+57	50	9.3
← July 7	5299	33148			√ Br. line	+36	3956	20	9.1	+36	13	8.0
← July 7	5300	33148			√ Br. line	+43	3571	20	15.6	+43	24	7.5
← Sept. 21	5301	33332			√ Mb.	-14	371	1	52.5	-14	34	7.0
← Sept. 21	5302	33332			√ Mb.	-9	380	1	53.3	-9	14	5.8
← July 7	5303	33151			√ Mc5d	+51	2734	19	56.0	+51	45	7.3
← July 7	5304	33151			√ Ma	+51	2787	20	6.6	+51	57	7.5
← June 1	5305	33035			√ Mb.	+43	2520	15	34.6	+43	10	8.0
← June 1	5306	"			√ Mb5c	+39	2901	15	36.1	+39	2	7.0
← June 1	5307	"			√ Md 8? Var?	(Est.	1855)	15	43.5	+36	~~7~~ 43	
← June 1	5308	"			√ Ma	+37	2661	15	31.0	+37	51	8.5
← May 29	5309	33082			√ Md^{b}	Approx.	1900	15	45.2	+36	35	
← " "	5310	33082			√ Ma	+37	2661	15	31.0	+37	51	8.5
← " "	5311	33082			√ Mb5c	+39	2901	15	36.1	+39	2	7.0

Type III
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" III Var.? RR Androm.
" III
" III
Var? = S Scuti.
Gas. neb. Known

Type V spot on glass - not on film side - Rubbed off.

Type V Known
Type V Known

Var? Not confirmed see cover 33151

Announced 1900 pos 15 45.2 + 36 35

Var? New

Objects of Interest on Northern Spectrum Plates.

1905	No.	No Plate.	V.	H.	Object.	DM No.		R.A.		Dec.		Magn.
May 29	5312	33082			√Md	+43	2542	15	49.8	+43	34	5.5
~~April~~ May 23	5313	33033			Mb.	+66	681	10	37.8	+66	22	7.9
May 23	5314	"			√Type IV	+68	617	10	35.0	+68	10	6.2
May 23	5315	"			√Md 6	+69	587	10	34.3	+69	32	var.
May 23	5316	"			√Ma	+70	641	10	49.1	+70	46	7.1
May 23 ~~1905~~	5317	"			Mb	+72	521	11	2.4	+72	22	8.9
Nov. 3,	5318	33563			√Ma	+52	3440	23	18.9	+52	12	7.0
" "	5319	"			√Ma	+55	2990	23	30.3	+55	5	7.0
" "	5320	33564			√Br. lines	+56	686	2	30.7	+56	6	9.1
" "	5321	"			√Br. lines	+56	731	2	41.5	+56	20	9.5
" "	5322	"			√Md	+57	702	3	0.3	+57	20	7.9
" 6	5323	33561			—	+38	3957	20	8.1	+38	17	8.2
" "	5324	"			√Mc	+33	3846	20	12.3	+33	38	7.8
" "	5325	"			√Md	(Est. 1855)		20	~~12~~ 13.0	+33	55	√
" "	5326	"			√Br. lines	~~+35~~ +35	~~4000~~ 4001	20	~~4.8~~ 4.8	~~+35~~ +35	~~76~~ 45	~~9.0~~ 8.5
" "	5327	"			√Br. lines	+35	4013	20	6.4	+35	46	8.0
" "	5328	"			√Br. lines	+36	3956	20	9.1	+36	13	8.0
" "	5329	"			√Br. lines	+36	4028	20	16.1	+36	28	9.5
" "	5330	"			√Br. lines	+36	3987	20	11.6	+36	59	8.1
" "	5331	"			√Md?	+37	3946	20	23.0	+37	19	8.4
" "	5332	"			√Br. lines	+37	3821	20	6.8	+37	55	7.1
" "	5333	"			√Br. lines	+38	4010	20	14.2	+38	17	8.7
" "	5334	"			√Mb	+38	4003	20	13.7	+38	33	6.8
" "	5335	"			√Md?	+38	4066	20	18.6	+38	45	9.3
" "	5336	"			√Md?	+39	4152	20	16.4	+39	59	8.8
" 4	5337	33562			Too ft.	+39	4208	20	25.2	+39	39	(1900
" "	5338	"			√Md?	Approx. 1855		20	13.0	+33	55	√
" "	5339	"			√Br. lines	+35	4001	20	4.8	+35	45	8.5
" "	5340	"			√Br. lines	+35	4013	20	6.5	+35	46	8.0

Marked by Mr. King Known
R Mrs. May

Type III
" III
" V Known
" V Known
" IV Known
R S Cygni.
Type III
Var? Type III New on B I 33562 announced 20 14.7 + 34 03 1900 pos. "
" V Known
" V Known
" V Known
" V Known
" V Known
Var? " III Not confirmed see cover B 33561
" V
" V
" III
Var? " III Not confirmed see cover B 33561
Var? " III Not confirmed see cover B 33561
R U Cygni
Var? New? Type III 20 14.7 + 34 4 (1900)
Type V Known
" V Known

Objects of Interest on Northern Spectrum Plates

1905	No	Plate	V.	H	Object	D.M. No.		A.R.		Dec.		Magn.
Nov. 4	5341	33562			√Bl. lines	+36	3956	20	9.1	+36	13	8.0
"	" 5342	"			√Bl. lines	+36	4028	20	16.1	+36	28	9.5
"	" 5343	"			√Bl. lines	+36	3987	20	11.6	+36	~~45~~ 57	8.~~2~~1
"	" 5344	"			√Bl. lines	+37	3821	20	6.8	+37	55	7.1
"	" 5345	"			√Bl. lines	+38	4010	20	14.2	+38	17	8.7
"	" 5346	"			√Mb	+39	4152	20	16.~~3~~4	+39	~~22~~ 52	~~9.0~~ 8.8
"	" 5347	"			√Md?	Approx. 1855		20	20.8	+40	32	
"	" 5348	"			√Bl. lines	+43	3571	20	15.6	+43	24	7.5
"	6 5349	33560			—	+17	3940	19	15.2	+17	23	9.5
"	" 5350	"			√Md?	+14	3877	19	13.8	+14	47	9.5
"	" 5351	"			√Md?	Announced 1900 pos. (~~Est. 1855~~)		19	~~13~~ 15	+~~16~~ 17 .9		
"	10 5352	33572			√Ma	+11	4730	21	59.9	+11	3	7.4
"	" 5353	"			√Mdg	+11	4738	22	1.8	+11	50	var.
"	" 5354	"			√Ma	+12	4758	22	0.2	+12	17	8.9
"	" 5355	"			√Ma	+12	4764	22	1.6	+12	17	8.7
"	" 5356	"			√Mb	+12	4767	22	2.2	+12	15	8.7
"	" 5357	"			√Ma	+13	4857	22	2.9	+13	6	8.8
"	5358	"			√Mc	+12	4801	22	11.2	+12	52	9.0
"	" 5359	"			√Mdg	"	(1900)	22	7.4	+14	4	"
"	" 5360	"			√Mb.	+14	4730	21	58.1	+14	7	6.6
"	" 5361	"			√Ma	+15	4533	21	50.7	+15	10	9.3
"	" 5362	"			√Mb	+17	4693	22	0.6	+17	19	6.5
"	7 5363	33573			—	~~+49~~	(1855)	19	57	+49.6		
"	" 5364	"			√Ma	+47	2916	19	43.2	+47	34	5.8
"	" 5365	"			√Ma	+47	2949	19	50.2	+47	33	8.0
"	" 5366	"			√Na	+47	3031	20	5.0	+47	25	9.3
"	" 5367	"			√Md b	+48	2942	19	39.5	+48	26	7.1
"	" 5368	"			√Mc	+49	3132	19	49.6	+49	13	8.1
"	" 5369	"			√Md?	+49	3225	20	8.5	+49	1	8.7

1898phae.pfoj...900F

Type V Known

" V Known

" V Known

" V Known

" V Known

" III On I 33561 this star is Class A5F? Not Type III 17 chart plates examined show no evidence of variation

" ~~III~~ Var.? see note on plate cover.

" V Known

T ~~R~~ Sagittae

Var? may be defect. Type III Prob. defect Class A on I 20575 10 chart plates show no evidence of variability See cover 33560

Var? New Type III

Type III

Var? 22 2.0 +11 48 (1855) T Pegasi? Type III

Type III

" "

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Var.? 22 5.4 +13 52 (1855) RS Pegasi.?

Type III

" "

" "

Z Cygni.

Type III

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" IV Known

Var? TU Cygni Type III

Type III

Var.? Known

Objects of Interest on Northern Spectrum Plates

1905	No	No. Plate	V	H	Object	DM No.		R.A.		Dec.		Magn
Nov. 7	5370	33573			Br. line	+50	2869	19	40.9	+50	11	8.3
" "	5371	"			√ Mt	+51	2734	19	56.0	+51	45	7.3
" "	5372	"			√ Ma	+51	2762	20	1.2	+51	53	8.5
" "	5373	"			√ Mt	+51	2795	20	8.3	+51	51	8.7
" "	5374	"			√ Mt	+51	2787	20	6.6	+51	57	7.5
" "	5375	"			√ Ma	+52	2616	20	0.6	+52	48	8.2
" 10	5376	33574			—	+56	724	2	40.0	+56	23	9.4
" "	5377	"			√ Mt	Est. 1855		2	27.$\overset{5}{8}$	+53	$\overset{25}{1}$	✓
" "	5378	"			√ Mt	+54	622	2	46.4	+54	3	9.2
" "	5379	"			√ Br. lines	+56	686	2	30.7	+56	6	9.1
" "	5380	"			√ Br. lines	+56	731	2	41.5	+56	20	9.5
" "	5381	33578			—	−3	5159	21	7.5	−3	30	9.3
" "	5382	"			√ Mt	−6	5745	21	15.3	−6	51	8.3
" "	5383	"			√ Ma	−4	5425	21	13.0	−4	4	9.2
" "	5384	"			√ Ma	−3	5138	21	3.9	−3	60	8.5
" "	5385	"			√ Mt	−1	4140	21	10.4	−1	60	8.7
" "	5386	"			√ Mt	−0	4163	21	0.1	−0	44	7.2
" "	5387	33579			—	+17	4452	20	48.2	+17	4	9.4
" "	5388	"			√ Mt	+15	4297	20	50.4	+17	41	7.3
" "	5389	"			√ Ma	+17	4389	20	37.3	+17	3	8.4
" "	5390	"			√ Mt 5c	+17	4401	20	38.8	+17	34	6.8
" "	5391	"			√ "	+17	4370	20	31.3	+17	46	7.0
" "	5392	"			√ "	+18	4680	20	55.3	+18	27	8.5
" "	5393	"			√ Ma	+18	4675	20	53.8	+18	47	5.9
" "	5394	33580			√ Pec.	+47	3077	20	15.2	+47	26	8.5
" "	5395	"			√ Br. lines	+43	3571	20	15.6	+43	24	7.5
" "	5396	"			√ Ma	+48	3154	20	26.8	+48	44	5.9
Nov. 11	5397	335$\overset{9}{\cancel{7}}$6			—	−21	5672	20	8.6	−21	46	7.7
" "	5398	"			√ Ma	C.DM.−25	14616	20	5.3	−25	10	8.0

1898phae.pfoj..900F

Gas. Net. E.S.K. Known
Type III
" "
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" "
" "
X Persei Too faint to classify
Type III
" III
" V Known
" V Known
RR Aquarii Too faint.
Type III
" "
" "
" "
" "
X Delphini Not seen.
Type III
" "
" " = U Delphini.
" "
" "
" "
U Cygni
Type 4 Known
" III
RT Capricorni. Too faint.
Type ~~III~~

Objects of Interest on Northern Spectrum Plates

	No	No Plate.	V	H	Object.	DM No.		R.A.		Dec.		Magn.
1905 Nov. 11	5399	33597			√ Md3	-5	5390	20	42.3	-5	41	var.
″ ″	5400	″			√ Ma	-5	5378	20	40.1	-5	33	4.2
″ ″	5401	″			√ Ma	-1	4057	20	41.8	-1	6	6.8
″ ″	5402	33598			√ Ma	+28	4518	22	58.5	+28	14	7.5
″ ″	~~5403~~	33566										
″ ″	5404	″			√ Ma	+29	125	0	35.1	+29	19	7.7
″ ″	5405	″			√ Md5	″	(1900)	0	45.9	+33	50	
″	~~5406~~	33601										
″	5407	″			√ Ma	+75	545	14	56.1	+75	28	7.2
″	5408	″			√ Md7	+79	467a	15	35.3	+79	.7	var.
″ ″	5409	33602			√ Ma	+42	3563	19	56.6	+42	50	7.8
″	5410	″			√ Ma	$+4\overset{4}{5}$	3315	19	57.0	+44	20	8.8
	5410a	″			√ Mb	+45	2913	19	25.9	+45	51 25	7.0
″ ″	5411	″			√ Ma	+47	3032	20	5.0	+47	~~57~~	9.3
″ ″	5412	″			√ Md5	+48	2942	~~20~~19	39.5	+48	26	7.1
″	5413	″			√ Ma	+49	$321\overset{5}{6}$	20	$\overset{6}{5}$.9	+49	1	9.0
″ ″	5414	″			Mc5d	+49	3225	20	8.5	+49	1	8.7
″ ″	5415	″			√ Ma	+51	2734	19	56.0	+51	45	7.3
″ ″	5416	33603			√ Bl. lines	+43	3571	20	15.6	+43	24	7.5
″ ″	5417	″			√ Ma	+44	$34\overset{5}{8}7$	20	19.2	+44	13	7.9
″ ″	5418	″			√ Ma	+45	3262	20	40.8	+45	40	8.7
″ ″	5419	″			√ Mf	app. prox. pos. (1855)		20	29.0	+46	44	
″ ″	5420	″			√ Ma	+47	3123	20	24.7	+47	4	8.7
″ ″	5421	″			√ Ma	+48	3107	20	18.4	+48	3	8.4
″ ″	5422	″			√ Ma	+48	3108	20	18.7	+48	21	8.1
″ ″	5423	″			√ Mc5d	+49	3225	20	8.5	+49	1	8.7
″ ″	5424	″			√ Ma	+49	3386	20	45.1	+49	35	6.8
″ ″	5425	″			√ Ma	+50	3202	20	43.4	+50	25	8.6
″ ″	5426	33608			√ Pec.	+28	2477	15	42.6	+28	36	var.
″ ″	5427	33620			√ Ma	-6	606	2	59.4	-6	39	5.3

T Aquarii.
Type III
" III
" III
~~R R Androm.~~
Type III
RR Androm. Var. ? Type III
~~S Ursa Min.~~
Type III
S Urs. Min Var. ? Type III
Type III
" III
" IV Known Var. ? SV Cygni
" III Var. ? RT Cygni
" III
" III Var. ? Known
" III
" V Known
" III
" III
" III Spect. plate I 35575 and chart plate I 25920 used to check ident.
" III
" III
" III
" III Var. ? Known
" III
" III
R Cor. Bor.
Type III "

Objects of Interest on Northern Spectrum Plates

	No	No. Plate	γ	Hε	Object	D.M. No.		R.A.		Dec.		Magn.
1905 Nov. 11	5428	33620			√ Ma	−4	540	3	4.1	−4	22	6.4
" "	5429	33622			√ Ma	−22	1474	6	30.8	−22	9	8.3
" "	5430	"			√ Ma	−18	1498	6	32.7	−18	4	7.8
" "	5431	33567			√ Mf	(Est. 1855)		4	19.5	+15.7		
" "	5432	"			√ Ma	+14	711	4	22.9	+14	47	7.3
" "	5433	33568			Too ft.	(Est. 1855)		4	27	+74.7		
" "	5434	"			√ Ma	+71	279	4	40.5	+71	39	8.8
" "	5435	"			√ Ma	+76	168	4	19.6	+76	8	9.0
" "	5436	33570			—	−21	5934	21	0.2	−21	56	var.
" "	5437	"			√ Ma	−19	6083	21	13.9	−19	50	9.0
" "	~~5438~~	33571										
" "	5439	"			√ Ma	+7	4660	21	11.1	+7	10	8.7
" "	5440	"			√ Ma	+11	4488	21	1.8	+11	5	8.2
" "	5441	"			√ Ma	+11	4497	21	3.3	+11	41	8.4
" "	5442	"			√ Md5	Announced, 909 pos. ~~(Est. 1855)~~		21	8.21 ~~6~~	+12	23	
" "	5443	"			√ Ma	+12	4548	21	0.6	+12	40	9.3
" "	5444	"			√ Mf	+12	4524	20	54.8	+12	22	9.5
" "	5445	"			√ Ma	+12	4509	20	50.0	+12	11	9.0
" "	5446	"			√ Ma	+14	453~~5~~ 4	20	59.9	+14	~~50~~ 6	9.~~5~~ 3
"	~~10 5447~~	~~33584~~										
"	10 5448	33584			√ Mf	+51	3670	23	30.8	+51	26	8.7
" "	5449	"			√ Mc	+51	3676	23	32.0	+51	28	7.8
" "	5450	"			√ Mf	+52	3540	23	42.6	+52	39	9.4
" "	5451	"			√ Ma	+54	2986	23	21.8	+54	2	9.3
" "	5452	"			√ Ma	+54	3036	23	37.7	+54	35	8.2
" "	5453	"			√ Na	+54°	~~(1855)~~ 3032 *	23	36.9	+54.8	46	9.2
" "	5454	"			√ Mf	+55	3011	23	37.8	+55	40	8.6
" "	5455	"			√ Md	(Est. 1855)		23	37.	+55.8		
" "	5456	"			√ Ma	+60	2648 7	23	50.0	+60	13	6.8

Type III

" III

" III

α Tauri

Type III

χ Camel.

Type III

" III

χ Capricorni

Type III

~~R Equulei.~~

Type III

" "

" "

R Equulei " " Var.?

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" "

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~~η Cassiop~~

Type III

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* The preceding & northern one of two close stars either of which may be Am. +34° 3032 " IV Maybe Md Var? Var. not conf. See cover I 33584

" III

Z Cass. Var.? Type III

Type III

Objects of Interest on Northern Spectrum Plates

1905	No.	No Plate	V	H	Object	DM No.		R.A.		Dec.		Magn.
Nov. 10	5457	33606			√ Bt. lines	-13	842	4	7.5	-13	6	neb.
,,	5458	,,			√ Mt	-10	863	4	6.6	-10	45	7.7
,,	5459	,,			√ Mt	-10	834	~~4~~3	59.0	-10	42	6.8
,,	5460	33613			√ Ma	+9	44	0	19.4	+9	21	8.6
,,	5461	..			√ Ma	+9	21	0	9.4	+9	27	6.8
,,	5462	33614			√ Ma	+9	21	0	9.4	+9	27	6.8
Nov. 23	5463	32564			?		..	11	3.5	+6		
,,	5464	32567			√ Mcod	+47	2291	15	58.3	+47	38	6.6 var or that
,,	5465	,,			√ Mcod	+48	2334	15	46.5	+48	55	7.5
,, 22	5466	32593			√ Mt	-5	3416	11	58.2	-5	2	6.7
,,	5467	,,			√ Mtsc	-5	3424	11	59.8	-5	57	7.0
,,	5468	,,			√ Mcsd	-6	3469	11	45.3	-6	48	9.2
,, 23	5469	32594			√ Mt	+12	2529	12	48.2	+12	17	7.3
,,	5470	,,			√ Mt	+10	2480	12	45.9	+10	14	9.2
,,	5471	,,			√ Md?	+6	2664	12	43.7	+6	20	var.
,,	5472	,,			√ Md?	+5	2708	12	55.3	+5	58	8.6
,,	5473	32606			√ Bt. lines	-12	1172	5	20.8	+12	49	9.2
,,	5474	,,			√ Bt. lines	(Est.	1855)	5	22.7	-11.3	19	
,,	5475	32608			√ Mt	-20	1889	7	16.1	-20	14	7.8
,,	5476	32611			√ Bt. lines	-17	3140	10	17.8	-17	54	neb.
,,	5477	32609			√ Mcsd	-5	2550	8	22.5	-5	50	8.4
,,	5478	32624			√ Mtsc	-8	2343	8	17.4	-8	3	7.4
,,	5479	,,			√ Mtsc	-5	2550	8	22.5	-5	50	8.4
,,	5480	,,			√ Ma	-5	2609.	8	34.6	-5	6	8.3
,,	5481	33605			√ Bt. lines	-13	842	4	7.5	-13	6	neb.
,, 25	5482	,,			√ Mt	-10	863	4	6.6	-10	45	7.7
,,	5483	33604			√ Bt. lines	+41	4004	21	1.6	+41	39	8.5
,,	5484	,,			√ Mt	+44	3649	20	52.8	+44	14	7.9
,,	5485	,,			√ Mt	+44	3679	20	57.3	+44	14	6.8

Gas. Neb. Known
Type III
" III
" III
" III
" III
S Leonis Too faint.
Type III Var.? X = X Herculis
" " Var.? X = ST Herculis.
" III
" " R U Virginis
Var.? X Type III Known
Type III
" "
Var. U Virginis Type III
Var.? X RT Virginis " " RT Virginis
Gas. Neb. Known Gas. neb. Sp. resembl. Nova - not Persei No 2.
Var? Very f.f. 20 chart plates examined by Mr. F shows no evidence of variability see Book K17 Page 64
Type III
Gas Neb.? X Known
Type III Var.? X = RT. Hydrae
" " Var?
" " RT Hydrae
" "
Marked at Lat. Known Gas neb.
Type III
Marked at Lat. Known Type V
Type III
" III

Objects of Interest on Northern Spectrum Plates.

	No	Plate No	V	H	Object	DM No.		R.A.		Dec.		Magn.
1905 Nov. 27	5486	33641			√ Ma	+12	4767	22	2.2	+12	15	8.7
"	" 5487	"			√ Md 8	~~+13~~	~~4868~~ (1900)	22	7.4	+14	4	"
"	" 5488	"			√ Ma	+14	4772	22	12.4	+14	50	7.0
"	" 5489	"			√ Mt	+17	4693	22	0.6	+17	19	6.5
"	" 5490	32678			√ Md?	+19	3489	17	53.4	+19	27	9.0
"	" 5491	"			√ Ma	+20	3580	17	43.8	+20	54	7.3
"	" 5492	"			√ Ma	+22	3273	17	59.9	+22	12	5.2
"	" 5493	"			√ Mt	superposed on ~~+19~~	~~3509~~	17 ~~19~~ 17	57 ~~57.1~~	+19 ~~+19~~	~~33~~	~~7.0~~
"	" 5494	32894			√ Ma							
"	" 5495	32894			√ Ma	−15 −15	3275 3320	11 11	21.6 31.8	−15 −15	48 49	7.5 8.0
"	" 5496	"			√ Ma	−15	3323	11	32.5	−15	49	6.3
"	" 5497	32895			√ Mc5d	−16	3503	12	30.0	−16	28	9.6
"	" 5498	"			√ Ma	−14	3544	12	29.4	−14	65	8.3
" 28	5499	32913			√ Ma	+10	3721	18	47.6	+10	27	8.0
"	" 5500	"			√ Ma	+9	3974	18	57.0	+9	38	8.9
"	" 5501	"			√ Md 6	+8	3970	18	59.4	+8	1	var.
"	" 5502	32952			√ Mt	−23	12359	15	24.9	−23	27	7.2
"	" 5503	"			?	−20	4305	15	33.6	−20	43	var.
"	" 5504	32962			√ Mc5d	−10	3353	11	43.7	−10	24	8.4
"	" 5505	"			√ Md?	−6	3469	11	45.3	−6	48	9.2
"	" 5506	"			√ Mc5d	−5	3424	11	59.8	−5	57	7.0
"	" 5507	"			√ Ma	−6	3513	12	1.9	−6	4	9.3
"	" 5508	32964			√ Ma	+57	1814	17	49.0	+57	42	8.7
"	" 5509	"			—	(Est. 1855)		17	55	+54.9		
"	" 5510	"			√ Mc5d	+51	2291	17	56.1	+51	51	8.5
"	" 5511	$3\overset{2}{3}997$			√ Md 3	+50	2251	16	0.2	+50	54	8.7
" April 1905	" 5512	"			√ Md 3?	+50	2243	15	55.9	+50	15	9.0
"	" 5513	"			√ Mc	+48	2334	15	46.5	+48	55	7.5
"	" 5514	"			√ Ma	+48	2374	16	8.9	+48	27	8.3

Type III
"   "   Var ? = R S Pegasi.
"   "
"   "
R Y Herculis Too ft.
Type III
"   "
"   "
Type III
"   "
"   "
Var ? Type III New
"   "
Type III
"   "
R Aquilae Type III
Type III
"   "   U Librae Too poor
Type "   Var ? See also β 13807 Chart plates exams by Mrs F. show change of not more than 0.4 magn. See Book 14 p. 188
"   "   Var ? Known
"   "   R S Virginis.
"   "
"   "
V Draconis Too ft.
Type III Var ? Not confirmed See cover 329bW
Var. Type III R R Herculis
Var? Type III 21 chart plates show a slight change not more than 0.4 magn not to be announced or measured without further evidence. See Book 13 page 201
"   "
"   "

Objects of Interest on Northern Spectrum Plates

	No	Plate No	V	H	Object	DM No.	R.A.	Dec	Magn.
ap. 1905 ~~Nov. 28~~	5515	32997			√ Mc	+47 2291	15 58.3	+47 38	6.6
Nov. 28	5516	32983			√ Mb	+50 1262	5 52.3	+50 36	8.5
" "	5517	"			√ Ma	+52 1062	6 9.9	+52 35	8.4
" "	5518	"			√ Mb.	+53 978	5 48.8	+53 12	9.1
	5518a	"			Too ft.	+53 979 ft. comp.			
" "	5519	32958			Too ft.	~~+39~~ 40 2929	15 46.0	+39 52	(1900)
" "	5520	32956			√ Ma	+17 1973	8 47.2	+17 47	6.5
" "	5521	"			√ Ma	+18 2093	8 51.0	+18 42	7.0
" "	5522	"			—	+20 2243	8 48.4	+20 24	var.
" "	5523	32959				—	—	—	
" "	5524	32960			√ Mb5c	−9 2612	8 32.7	−9 5	7.7
" "	5525	"			√ Mc	−5 2550	8 22.5	−5 50	8.4
" "	5526	"			√ Mb	−5 2609	8 34.6	−5 6	8.3
" "	5527	32961			√ Md7	+14 ..	10 46.	+14	
" "	5528	32963			√ Ma	+28 2097	12 9.6	+28 33	8.2
" "	5529	"			√ Ma	+30 2279	12 21.3	+30 24	7.9
" "	5530	"			√ Mc	.. (1900)	12 25.2	+32 3	..
" "	5531	32967 See also page 78 for more object marked on 32967			—	+47? (1856)	6 12	+47.6	
" "	5532	32968			—	+12 1594a	7	+12	
" "	5533	32969			√ Md5	+7 2561	12 31.2	+7 48	var.
~~" "~~	~~5534~~ See No. 6034.	~~32970~~			~~Md5~~				
" "	5535	32984			√ Mc5d	+56 1101 ~~(Est. 1855)~~	6 4.1 ~~6 32.0~~	+56 45 ~~+58.0~~	7.0
" "	5536	"			√ Md8	(Est. 1855)	6 32.0	+58.0	
" "	5537	"			√ Mb	+61 915	6 40.4	+61 12	8.0
" "	5538	32994			√ Pec.	+28 2477	15 42.6	+28 36	var.
Dec. 8	5539	32995			√ Mc5d	+32 2622	15 38.6	+32 36	9.3
" "	5540	"			√ Ma	+31 2799	15 50.5	+31 38	8.0
" "	5541	"			√ Pec!	+28 2477	15 42.6	+28 36	var.
" "	5542	"			√ Mc	+24 2901	15 32.1	+24 60	7.4
" "	5543	33308			G5K	−5 4760	18 39.8	−5 51	var.

Type III

" III

" III

" III ~~Z Aurigae~~ Wrong star marked.

Z Aurigae Too faint.

V Coronae. Too ft.

Type IV Var. ? Known X Cancri

" III

T Cancri Too ft.

Nova Persei Too ft.

Type III

" III RT Hydrae

" III

St Leonis.

Type III

" III

" III T Can. Venat. ?

V Aurigae Too ft.

T Canis Min Too ft.

R Virginis

~~T Ursae Majoris~~

Type III Var. ? Not confirmed See cover I 32984

S Lyncis Type III

Type III

R Coronae

Var. ? Type III Very slight change. See cover I 32995

" "

R Coronae

Type III

R Scuti

Objects of Interest on Northern Spectrum Plates.

1905	No	Plate No ~~1905~~	V	H	Object.	DM No.		R.A.		Dec.		Magn
Dec. 8	5544	33308			—	−8	4726	18	42.5	−8	4	7.1
" "	5545 see also page 46	33420			√Md4	−3	5159	21	7.5	−3	30	9.3
" 9	5546	33676			√Md?	+51	2291	17	56.1	+51	51	8.5
" 11	5547	33709			√Ma	+31	131	0	44.1	+31	34	8.0
" "	5548	"			√Md3	(Est. 1855)		0	43	+33.6		
Nov. 23,	5549	32625			√Na	+17	1973	8	47.2	+17	47	6.5
" "	5550	"			Mt	+18	2093	8	51.0	+18	42	7.0
" "	5551	"			–	+20	2243	8	48.4	+20	24	var.
Dec. 12	5552	33653			√Ma	+38	326	1	33.7	+38	42	8.3
" "	5553	"			√Br. lines?	Approx '55		1	30.8	+43.3'7		
" "	5554	"			M,cod	+44	398	1	49.8	+44	42	8.0
" "	5555	33681			√M.	+55	1154	6	49.3	+55	30	var.
" "	5556	"			√Mt	+50	1439	7	20.0	+50	20	7.8
" "	5557	"			√Br. lines	(Est. 1855)		7	35.9	+54.7		
" ~~"~~	~~5558~~	~~33707~~										
" "	5559	33707			√Br. lines?	(Est. 1855)		22.	10.3	+8.0		
" "	5560	"			√Ma	+10	4752	22	19.3	+10	39	8.5
" "	5561	33708			√Na?	+53	3033	22	50.0	+53	27	9.1
" "	5562	"			√Md?	(1855)		22	49.1	+53,5 28		
" "	5563	"			√Na?	(1855)		22	~~39.~~ 40.0	+544 19		
" "	5564	"			√Md8	+58	$256\overset{0}{1}$	23	~~6.2~~ 5.5	+58	~~57~~ 54	9.5
" "	5565	"			√Br. line	+59	~~2682~~ 2683	23	8.9	+59	39.5	
" "	5566	"			√Ma	+59	2712	23	17.2	+59	40	8.7
" "	5567	"			√Na	+60	2432	2~~3~~ 2	38.7	+60	58	8.9
" ~~"~~	~~5568~~	~~"~~										
" "	~~5569~~	~~33712~~										
" "	5570	33712			√Md2(?)	+55	1154	6	49.3	+55	30	9.0
" "	5571	"			√Ma	approx pos (1855)		7	4.0	+55.6 34		
" "	5572	"			√Mt	+59	1070	7	7.2	+59	58	8.5

Too ft.

R R Aquarii.

Var.? Type III Not confirmed See cover I 32964

Type III

R R Androm.

Var. ~~?~~ Type IV Known X Cancri

Type III

Too ft. T Cancri

Type III

Var.? Type III ? No evidence on the chart plate. Probably defect. Miss F. finds no trace of line br. on B 33652 taken same night.

Var.? " III Not sufficient evidence found to warrant publication see note on cover I 26652

R Lyncis.

Type III

Var.? Not confirmed See cover I 33681.

~~S Pegasi~~

Net. or Var.? Type V ? Does not seem to be a defect but no object in or near this position on 20 chart plate see Book 7 p. 132

Type III

" IV New

" III Var.? Br. lines not confirmed on I 33759 may be due to defect

" ~~IV~~ New 1900 pos. 22 41.8 +54 33

V Cass. Var. Type III

Type V Known

" III

Var.? Type IV Known Type II very slight change See cover 33708

~~V Cassiop.~~

~~R Lycis~~

R Lyncis Var. Type III

" "

" "

Objects of Interest on Northern Spectrum Plates

1905	No.	Plate No.	V	H	Object.	DM No.		R.A.		Dec.		Magn.	
Dec. 12	~~5573~~	~~33682~~											
"	" 5574	33682			Mt	+5	1635	7	14.7	+5	53	8.3	
"	" 5575	"			√Ma	+6	1690	7	21.8	+6	57	8.5	
"	" 5576	"			√Ma	+6	1720	7	27.3	+6	30	8.0	
"	" 5577	"			√Md6	+8	1800	7	24.8	+8	38	var.	
"	" 5578	"			√Ma	+10	1547	7	22.1	+10	21	8.0	
"	" 5579	"			√Ma	+10	1550	7	22.7	+10	39	9.0	
"	15 5580	33685			√Ma	+61	1821	19	8.2	+61	42	7.5	^
"	" 5581	"			√Mt	+62	1725	19	30.4	+62	49	8.0	^
							~~1726~~	~~19~~	~~30.5~~	~~+62~~	~~49~~	~~9.5~~	
"	" 5582	"			Mcσd	+65	1327	19	9.5	+65	52	8.9	
"	" 5583	"			√Md?	+67 ~~Est (1855)~~	1124	19	9.9 ~~10~~	+67.0	2	var.	
"	" 5584	33700			√Ma	+11	4730	21	59.9	+11	3	7.4	
"	" 5585	"			√Mt	+12	4801	22	11.2	+12	52	9.0	
"	" 5586	"			√Md8	..		22	7.4	+14	4	..	
"	" 5587	"			√Mt	+17	4693	22	0.6	+17	19	6.5	
"	" 5588	33701			√Mt	+51	3670	23	30.8	+51	26	8.7	
"	" 5589	"			√Mtσx	+51	3676	23	32.0	+51	28	7.8	
"	" 5590	"			√Br. lines	Est. (1855)		23	46	+51.3			
"	" 5591	"			√Mt	+52	3540	23	42.6	+52	39	9.4	
"	" 5592	"			√Md2?	+54	2986	23	21.8	+54	2	9.3	
"	" 5593	"			√Ma	+54	3036	23	37.7	+54	35	8.2	
"	" 5594	"			√Ma	+55	3036	23	44.7	+55	7	8.8	
"	" 5595	"			√Md3?	+55	3011	23	37.8	+55	40	8.6	
"	" 5596	"			√Ma	+55	3028	23	42.5	+55	51	8.8	
"	" 5597	"			√Md7	Est. (1855)		23	37.	+55.8			
"	" 5598	33698			Too ft.	Est. 1855		20	28.6	+54.4			
"	" 5599	"			√Mt	+53	2435	20	29.2	+53	57	6.8	
"	" 5600	"			Br. lines	+52	2777	20	37.1	+52	4	9.5	
"	" 5601	"			√Mt	+54	2432	20	48.3	+54	6	8.5 1	

S. Can. Min.

Type III

"   "

S Can. Min "   " Var. λ

"   "

"   "

"   "

"   "

Var. λ New (Announced later by Miss Leavitt in Circ 130. See Note in Circ. 133

Var. U Draconis.

Type III

"   "

Var. RS Pegasi.

Type III

"   "

Var. ? Defect ?. No star in this pos. on chart plates examined See note on cover 33701

Var. ?. Not confirmed See cover I 33701

Var. ? Not confirmed See cover I 33701

Z

~~Y~~ Cassiop.

ST Cygni T or faint.

Type III

"   V ? " Compared with spectrum plate I323 & chart plate I 32964 star is Class IIIa The band having a strong bright continuous spectrum beyond the ~~bright~~ brightest band: not being visible on I 33698" See note on cover I 33698

"   III

Objects of Interest on Northern Spectrum Plates.

		No	Plate No	V	H	Objects	DM No.		R A		Dec.		Magn.
1905 Dec.	15	5602	33698			✓Mt	+53	2410	20	23.3	+53	22	9.0
″	″	5603	″			✓Mt	+51	2910	20	33.3	+51	5	8.5
″	19	5604	33670			✓Ma	+60	706	3	24.1	+60	39	9.4
″	″	5605	33671			✓Nd?	+61	667	3	53.3	+61	24	7.5
″	″	5606	″			✓Ma	+61	690	4	4.9	+61	59	7.0
″	″	5607	″			✓Ma	+62	618	3	41.0	+62	57	8.0
″	″	5608	″			✓Mt	+63	451	3	37.8	+63	16	8.0
″	18	5609	33694			✓Mt5c	+17	4401	20	38.8	+17	34	6.8
″	″	5610	″			✓Mt5c	+17	4370	20	31.3	+17	46	7.0
″	″	5611	33697			✓Mt	+13	4591	20	51.9	+13	46	8.9
″	″	5612	″			✓Ma	+13	4549	20	45.1	+13	46	9.2
″	″	5613	″			✓Ma	+14	4405	20	36.9	+14	44	8.8
″	″	5614	″			✓Mc5d	+15	4297	20	50.4	+15	41	7.3
″	″	5615	″			✓Ma	+16	4369	20	41.1	+16	14	8.1
″	″	5616	″			✓Ma	+17	4389	20	37.3	+17	3	8.4
″	″	5617	″			✓Ma	+17	4405	20	39.7	+17	23	9.1
″	″	5618	″			✓Mt5c	+17	4401	20	38.8	+17	34	6.8
″	″	5619	″			✓Ma	+18	4682	20	55.6	+18	4	9.5
″	″	5620	″			✓Mt5c	+18	4680	20	55.3	+18	27	8.5
″	″	5621	″			✓Ma	+18	4675	20	53.8	+18	47	5.9
″	15	5622	33699			Too ft.		(1900)	21	59.8	+34	38	
″	″	5623	″			✓Ma	+31	4645	22	3.8	+31	35	7.1
″	″	5624	″			✓Ma	+34	4557	21	47.8	+34	32	8.2
″	″	5625	″			✓Ma	+34	4598	21	59.5	+34	13	9.2
″	″	5626	″			✓Ma	+35	4665	21	47.2	+35	14	9.0
″	″	5627	″			✓Mc5d	+34	4597	21	59.4	+34	39	8.5
″	″	5628	″			✓Ma	+36	4794	22	9.5	+36	9	9.0
″	″	5629	″			✓Mt	+36	4740	21	55.7	+36	14	8.3
″	″	5630	″			✓Mt	+36	4743	21	56.1	+36	16	7.3

Type III
" III

" "

Pec. Known as Type IV. Announced later as Type VI
Type III

" "

" "

" " = U Delphini.

" "

" "

" "

" "

Var. ? Type III Not confirmed see cover I 33697

" "

" "

" "

" " = U Delphini.

" "

" "

" "

RT Pegasi Too faint
Type III

Var. R Not to be announced without further confirmation see Book 13 p. 162
Confirmed & announced Cir. 132

Objects of Interest on Northern Spectrum Plates.

	No	No Plate.	✓	H	Object.	D.M. No.		R.A.		Dec.		Magn
1905 Dec. 15	5631	33699			Mi Va	+37	4532	22	10.6	+37	32	9.4
'' ''	~~5632~~	''			~~Mt~~							
'' 19	5633	33713			✓ Ma? Var?	+21	1609	7	20.6	+21	12	9.1
'' ''	5634	''			✓ Mt 5c	+21	1515	6	59.7	+21	28	9.2
'' ''	5635	''			✓ Mt	+23	1728	7	20.6	+23	6	8.3
'' ''	5636	''			Ma? Var?	+24	1686	7	23.1	+24	49	8.2
'' ''	5637	''			Ma Var?	+25	1643	7	12.1	+25	15	9.2
1906 Jan. 2	5638	33782			✓ Br. line	+36	3956	20	9.1	+36	13	8.0
'' ''	5639	''			✓ ''	+36	3987	20	11.6	+36	59	8.1
'' ''	5640	''			✓ Ma	+37	3946	20	23.0	+37	19	8.4
'' ''	5641	''			✓ Br. line	+37	3821	20	6.8	+37	55	7.1
'' ''	5642	''			?	+38	3957	20	8.1	+38	17	8.2
'' 3	5643	33776			✓ Ma	+29	4582	21	59.2	+29	12	7.6
'' ''	5644	''			✓ Mt	+31	4645	22	3.8	+31	35	7.1
'' ''	5645	''			✓ Ma	+32	4350	22	3.0	+32	23	9.0
'' ''	5646	''			✓ Md	+32	4335*	21	59.5	+32	48	9.5
'' ''	5647	''			?	+34	4596	21	58.0	+34	29	9.1
'' ''	5648	''			✓ Mc5d	+34	4597	21	59.4	+34	39	8.5
'' 4	5649	33693			✓ Ma	+47	2949	19	50.2	+47	33	8.0
'' ''	5650	''			✓ Ma	+47	2916	19	43.2	+47	34	5.8
'' ''	5651	''			✓ Md5	+48	2942	19	39.5	+48	26	7.1
'' ''	5652	''			✓ Mt	+48	2914	19	29.7	+48	56	6.5
'' ''	5653	''			✓ Mc	+49	2999	19	20.7	+49	57	7.5
'' ''	5654	''			✓ Br. lines	+50	2869	19	40.9	+50	11	8.3
'' ''	5655	33763			✓ Ma	+45	2974	19	43.0	+45	31	8.6
'' ''	5656	''			✓ Mt	+46	2697	19	25.0	+46	4	8.7
'' ''	5657	''			✓ Br. lines	adj. to 1855 pos ~~+47~~	~~2832~~	19 ~~19~~	22.0 ~~22.2~~	+47 ~~+47~~	4 ~~7~~	9.5
'' ''	5658	''			✓ Ma	+48	2942	19	39.5	+48	26	7.1
'' ''	5659	''			✓ Mt	+48	2914	19	29.7	+48	56	6.5

var. not confirmed Type IX ? Announced as ~~Type II~~ Gas neb. by D'Arrest ~~Proved to be Type IV~~ Left in Gas neb. list with note

" III

" "

" IV ? Known Type IV var. not confirmed - See cover I 33713

" IV Known Type IV slight - if any - evidence variation on plates exam. by Mrs. F. See Book 13 p. 191

" V Known

" " Known

" III ~~Kv~~

" V Known

Too poor to classify RS Cygni.

Type III

" "

*The var. is the following northern of two close pair of which either might be identified as +32°4335 " Var. ? New Not known.

RT Pegasi, See Book 13 p. 162 not to be announced without more evidence

Var. ? Type III confirmed Announced Circular 132

Type III

" III

" III RT Cygni.

" III

" III

" — Gas Neb. ? Known

" III

" III

" V ? New 19 23.3 +47 9 (1900 pos.)

" III RT Cygni.

" III

Objects of Interest on Northern Spectrum Plates

	No	No Plate.	γ	H	Object.	D.M. No.		R.A.		Dec.		Magn.	
1906 Jan. 4	5660	33763			√Mc	+49	2999	19	20.7	+49	57	7.5	
" "	5661	"			√Br. lines	+50	2869	19	40.9	+50	11	8.3	
" "	5662	"			√Mb	+50	2861	19	39.9	+50	43	7.9	
" "	5663	"			√Ma	+50	2888	19	43.8	+50	46	8.9	
" "	5664	"			√Mb	+51	27$\overset{3}{\cancel{2}}$4	19	56.0	+51	45	7.3	^
" "	5665	"			√Ma	+54	2187	19	34.3	+54	38	7.5	
" "	5666	33778			√Md8	−3	353	2	12.0	−3	38	var.	
" 19	5667	33361			√Ma	−5	5194	20	7.3	−5	1	8.0	
" 19	5668	33429			√Ma	+66	~~1192~~	~~19~~	~~19.3~~	~~+66~~	~~43~~	~~9.5~~	^
							1193	19	19.3	+66	42	8.0	
" 19	5669	33659			√Mb	−20	50	0	14.4	−20	51	5.5	
" 19	5670	"			√Mb	−19	7	0	3.6	−19	23	8.0	
" "	5671	"			√Ma	−18	3	0	1.1	−18	23	6.2	
" "	5672	33679			√Mb5-3^{c}	+53	580	2	42.1	+53	25	8.9	^
" "	5673	"			√Br. lines	+56	686	2	30.7	+56	6	9.1	
" "	5674	"			√Br. lines	+56	731	2	41.5	+56	20	9.5	
" "	5675	"			√Rec.	+57	702	3	0.3	+57	20	7.9	
" "	5676	33749			√Mb5c	+31	4826	22	54.7	+31	50	7.4	
" "	5677	"			√Mb5c	+32	4596	23	3.2	+32	59	6.8	
" "	5678	"			√Ma	+33	4625	22	53.0	+33	5	8.2	
" "	5679	"			√Mb	+32	4526	22	43.9	+32	58	8.5	
" "	5680	"			√Mb	+35	4939	22	53.5	+35	8	8.0	
" "	5681	"			√Mb5c	+37	4754	22	56.9	+37	3	8.9	
" "	5682	"			√Ma	+37	4699	22	42.2	+37	46	8.0	
" "	5683	33750			√Ma	+49	3959	22	46.4	+49	57	7.4	
" "	5684	"			√Mb	+52	3386	23	5.0	+52	6	9.1	
" "	5685	"			√Ma	+52	3281	22	38.8	+52	32	7.5	
" "	5686	"			√Ma	+53	3033	22	50.0	+53	27	9.1	
" "	5687	"			√Ma			22	40.0	+54	19		
	5687a	"			√Ma	+54	2863	22	41.8	+54	24	9.5	
" "	5688	"			√Ma	+55	288~~9~~ 6	22	58.~~7~~3 ~~2~~	+55	~~55~~ 41	~~6.6~~ 7.7	

Type III
Gas. Neb. Known
Type III
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o Ceti.
Type III
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" V Known
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" IV ?Known Type IV Announced as Type VI Cir. 145
" III
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Type IV new on I 33708 " IV Var ? Variability not confirmed 20 chart plates examined by Mrs. F. Book 17 p. 74
Type IV new on I 33708 " IV Var. ? variability not confirmed 20 chart plates examined by Mrs F. Book 17 p. 74
" III

Objects of Interest on Northern Spectrum Plates

1906		No.	No Plate.	V	H	Object.	D.M. No.		R.A.		Dec		Magn.
Jan.	19	5689	33751			√ Mt	+13	191	1	9.7	+13	10	8.5
"	..	5690	..			√ Ma	+18	145	0	57.5	+18	25	7.3
..	..	5691	33752			√ Ma	+14	484	2	45.7	+14	4	7.6
"	..	5692	"			√ Md? Var?	~~+14~~	Est. 1855	3	3.0	+14	3 14	
"	..	5693	..			√ Ma	+15	397	2	43.8	+15	54	8.3
"	..	5694	..			√ Ma	+16	337	2	35.6	+16	56	7.9
"	..	5695	..			Mcod	+16	351	2	40.2	+16	55	8.5
..	..	5696	..			√ Mt	+17	457	2	47.7	+17	44	6.0
"	..	5697	33753			√ Ma	+1	503	2	43.9	+1	35	7.5
"	..	5698	..			√ Ma	+3	~~399~~ 419	2	54.7	+3	31	2.5
"	..	5699	"			√ Mt	+3	410	2	49.5	+3	54	6.8
"	..	5700	33757			√ Ma	+14	711.	4	22.9	+14	47	7.3
..	..	5701	..			√ Ma	+15	635	4	21.8	+15	51	8.5
"	..	5702	33761			√ Mc	+12	1803	8	8.6	+12	10	var.
"	..	5703	"			√ Ma	+13	1912	8	18.7	+13	7	5.8
..	..	5704	..			Mc	+15	1808	8	14.3	+15	27	8.6 ∧
..	4	5705	33773			√ Md8	+12	1803	8	8.6	+12	10	var.
..	19	5706	"			√ Ma	+11	1719	7	48.6	+11	26	8.0
"	..	5707	..			√ Mcod	+15	1808	8	14.3	+15	27	8.6 ∧
"	..	5708	33783			√ Pec.	-10	513	2	28.0	-10	5	8.0
"	..	5709	..			√ Mt	-7	481	2	37.0	-7	2	8.1
"	"	5710	33784			√ Mt	-10	863	4	6.6	-10	45	7.7
"	..	5711	"			√ Mt	-10	834	3	59.0	-10	42	6.8
..	..	5712	"			√ Mc	-8	797	4	1.9	-8	29	9.0
"	..	5713	"			√ Mt	-7	763	4	4.5	-7	21	9.0
"	"	5714	33798			√ Ma	+48	2914	19	29.7	+48	56	6.5
"	"	5715	"			√ Bl. lines	+50	2869	19	40.9	+50	11	8.3
"	25	5716	25944			√ Mt	+42	1239	5	7.9	+42	38	6.0
..	"	5717	"			√ Ma	+43	1131	4	45.7	+43	15	7.5

Type III
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Known " III U Arietis
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" III Var. ? Known T Arietis
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" III R Cancri.
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" III Var. ? New
Dark bands −10° 513 Known as Type IV New Dark Bands
Type III
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Gas. Neb. Known
Type III
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Objects of Interest on Northern Spectrum Plates.

1906	No.	No. Plate.	V	H.	Object.	DM No.		Ad	Dec	Magn.
Jan. 20	5718	25944			√Ma	+49	1338	5 7.3	+49 21	9.0
" 24	5719	32859			√Bl. lines	+53	971	5 45.7	+53 58	9.0
" "	5720	"			√Mb	+52	1062	6 9.9	+52 35	8.4
" "	5721	"			√Mc5d	+50	1262	5 52.3	+50 36	8.5
" "	5722	"			√Md3	(Est. 1855)		6 0	+50.2	
" "	5723	"			√Mb	+47	1258	5 59.4	+47 43	8.0
" "	5724	"			√Bl. lines	+46	1067?	5 45.6	+46, 5	
" "	5725	"			√Mb.	+45	1217	5 49.2	+45 55	4.8
" 26	5726	33014			√Ma	+17	2702	13 59.6	+17 40	6.9
" 24	5727	33745			√Rec.?	(Est. 1855)		22 47.7	+18 52	
" "	5728	"			√Mb	+18	5067	22 47.9	+18 47	7.3
" "	5729	"			√Ma	+19	5035	22 50.3	+19 12	8.3
" "	5730	"			√Ma	+20	5235	22 43.8	+20 35	9.0
" "	5731	"			√Mb	+20	5252	22 51.0	+20 45	7.6
" "	5732	"			√Mb	+26	4507	22 42.2	+26 36	8.8
" "	5733	"			√Ma	+27	4480	22 56.7	+27 18	var.
" 24	5734	33746			√Ma	+31	4826	22 54.7	+31 50	7.4
" "	5735	"			√Ma	+32	4519	22 41.9	+32 42	7.5
" "	5736	"			√Ma	+33	4573	22 37.2	+33 10	8.5
" "	5737	33779			√Ma	CDM-25°	2370	5 14.4	-25 15	7.3
" "	5738	32858			√Ma	+14	711	4 22.9	+14 47	7.3
" "	5739	"			?	(Est. 1855)		4 19.7	+15.7	
" 26	5740	32761			√Md9	-2	1581	6. 15.4	-2 8	var.
" "	5741	"			√Mb	+2	1196	6 13.5	+2 38	7.8
" "	5742	32987			√Mc	+39	2773	14 23.9	+39 30	7.5
" "	5743	"			√Ma	+41	2519	14 35.6	+41 11	8.0
" "	5744	"			√Ma	+41	2510	14 27.2	+41 28	8.3
" "	5745	32985			√Md5	..		10 46.	+14	
" "	5746	33005			√Ma	+17	1972	8 47.2	+17 47	var.

Type III

Pec. Var? or neb? "Defect"

Type III

" " Var.? Not confirmed see cover 32859

X Aurigae Type III

Type III

Pec. New Gas. neb. R.A. about 2' south of pos. given in D.M. which is +46 8

Type III

" III

Var.? Not confirmed see cover I 33745

Type III

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R Tauri Too faint.

" III Var. = V Monocerotis.

" III

" III V Boötis.

" III

" III

" III R Leonis.

" IX X Cancri.

Objects of Interest on Northern Spectrum Plates.

		No	No Plate	V	H	Object.	D.M. No.		R.A		Dec		Magn	
1906 Jan.	26	5747	33005			✓ Ma	+18	2093	8	51.0	+18	42	7.0	
"	"	5748	"			✓ Mt	+21	1896	8	34.9	+21	8	8.7	
"	"	5749	"			✓ Ma	+25	2024	8	51.9	+25	3	8.3	
"	"	5750	33386			✓ Mt	+15	2758	14	39.3	+15	45	5.5	
"	"	5751	33419			✓ Md	+15	4245a	20	38.6	+15	52	var.	
"	"	5752	"			✓ Mcod	+15	4172	20	22.5	+15	47	8.3	
"	"	5753	"			✓ Md?	+18	4590	20	36.2	+18	41	8.6	
"	"	5754	33167			✓ Mt	+44	3877	21	30.6	+44	44	var.	
"	22	5755	33808			✓ Ma	+47	2854	19	27.1	+47	11	6.7	
"	26	5756	33817			Var.	+49	3064	19	32.9	+49	53	var.	
"	"	5757	"			✓ Ma	+51	2763	20	1.2	+51	25	6.2	
"	"	5758	"			✓ Mf	+51	2734	19	56.0	+51	45	7.3	
"	"	5759	"			✓ Ma	+51	2787	20	6.6	+51	57	7.5	
"	"	5760	"			✓ Ma	+54	2187	19	34.3	+54	38	7.5	
"	"	5761	"			✓ Mt	+55	2245	19	38.9	+55	7	6.8	
"	"	5762	32967			✓ Ma	+44	1445	6	16.1	+44	53	8.6	∧
"	"	5763	"			✓ Ma	+45	1288	6	10.7	+45	10	8.2	
"	"	5764	"			✓ Ma	+45	1301	6	15.5	+45	13	9.3	∧
"	"	5765	"			✓ Me	+45	1324	6	24.9	+45	44	8.7	
"	"	5766	"			✓ Ma	+47	1311	6	22.4	+47	19	8.0	
"	"	5767	"			✓ Mt	+47	1258	5	59.4	+47	43	8.0	
"	"	5768	"			?	+48	1381	6	14.5	+48	47	9.5	
"	"	5769	"			✓ Ma	+50	1296	6	11.8	+50	28	9.0	
"	"	5770	33652			✓ Ma	+36	285	1	27.8	+36	52	8.0	
"	"	5771	"			✓ Ma	+37	337	1	30.9	+37	49	8.4	
"	"	5772	"			✓ Ma	+38	326	1	33.7	+38	42	8.3	
"	"	5773	"			✓ Ma	+40	374	1	40.2	+40	33	8.3	
"	"	5774	"			✓ Ma	(Est. 1855)		1	46.~~2~~3	+41	~~4~~ 24		✓
"	"	5775	"			✓ Ma	+41	311.	1	26.7	+41	39	8.3	

Type III
" III
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" III
T Delphini
Var.? X known
Var.? Not confirmed see cover I 33419
Type III χ Cygni.
" III
R Cygni. Too ft.
Type III
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Var.? Not confirmed see cover I 32967
Type III
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Objects of Interest on Northern Spectrum Plates.

1906	No	Plate No.	V	H	Object	D.M. No.		R.A.		Dec.		Magn.
Jan. 26	5776	33652			√M,c od	+44	398	1	49.8	+44	42	8.0
" "	5777	33706			√Ma	+47	3019	20	2.4	+47	10	9.4
.. ..	5778	..			√Ma	+47	3031	20	5.0	+47	25	var.
	5778a	"			Ma	+47	2949	19	50.2	+47	33	8.0
" ..	5779	..			√Md?	+48	2942	19	39.5	+48	26	var.
" ..	5780	..			√Mc	+49	3132	19	49.6	+49	13	8.1
.. ..	5781	..			√Mc od	+49	3225	20	8.5	+49	1	8.7
						~~+49~~	~~3160a~~	~~19~~	~~57.4~~	~~+49~~	~~38~~	~~var.~~
" ..	5782	..			√Md6	+49	3160a	19	57.4	+49	38	var.
.. ..	5783	..			√Bl. lines	+50	2869	19	40.9	+50	11	8.3
" ..	5784	..			√Ma	+51	2787	20	6.6	+51	57	7.5
" ..	5785	..			√Ma	+51	2795	20	8.3	+51	51	8.7
" ..	5786	33716			√Mc	+0	2	0	0.2	+0	32	9.1
" ..	5787	"			√Mt	+1	18	0	4.8	+1	30	9.3
" ..	5788	..			√Ma	+2	37	0	12.7	+2	14	8.0
" ..	5789	33717			√Mt	+27	7	0	3.0	+27	51	7.9
" ..	5790	"			√Mt	+31	8	0	3.3	+31	26	8.0
" ..	5791	"			√Na	+34	56	0	19.9	+34	47	8.1
" ..	5792	33720			√Ma	+17	1241	6	17.6	+17	16	8.6 ^
" "	5793	"			√Ma	+21	1314	6	29.7	+21	41	8.8
" "	5794	..			√Ma	+23	1282	6	9.1	+23	56	8.7 ^
" "	5795	33721			√Mt	+22	110~~8~~9	5	4~~8.3~~9.7	+22	4~~9~~3	8.~~2~~5
" "	5796	"			√Ma	+23	1192	5	58.0	+23	38	7.2
" "	5797	33725			√Ma	+43	109	0	28.1	+43	14	8.7
" ..	5798	"			√Ma	+44	185	0	44.5	+44	21	8.2
" "	5799	"			√Mt	+44	126	0	29.0	+44	42	9.2
" ..	5800	"			√Mt	+48	183	0	28.8	+48	9	8.2
" ..	5801	33791			√Md	+40	5026	23	7.9	+40	0	9.0
" "	5802	..			√Ma	+40	5065	23	17.2	+40	50	6.5
" "	5803	..			√Bl. lines	+41	4773	23	19.0	+41	44	neb.
" 29	5804	33647			√Ma	+20	5027	21	45.5	+20	35	6.3

Var.? Slight change found on Chart plates but not enough to warrant publication" see note on cover I 26652

Type III

" IV Var. ? Known

Known " III R.T. Cygni

" III

" " Var. ? Known

" " Var. Z Cygni,

" – Gas. Neb. Known

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" IV Var. ? Known

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" III Gas. Neb. Known

" III

Objects of Interest on Northern Spectrum Plates.

	No	No Plate	U	H	Object	D.M. No.		R.A.		Dec.		Magn.
1906 Jan. 29	5805	33647			√Mt	+21	4555	21	22.4	+21	33	5.5
.. ..	5806	..			√Mt	+23	4391	21	40.5	+23	10	9.3
.. ..	5807	..			√Mcod	+23	4319	21	21.8	+23	59	9.1
.. ..	5808	..			√Ma	+25	4617	21	40.6	+25	40	9.0
.. 30	5809	33648			√Mt	+21	4555	21	22.4	+21	33	5.5
.. ..	5810	..			√Ma	+21	4599	21	34.4	+21	34	7.5
.. ..	5811	..			√Ma	+22	4460	21	34.0	+22	32	8.2
.. ..	5812	..			√Mt 5c	+23	4318	21	21.5	+23	58	7.8
.. ..	5813	..			√Ma	+30	4495	21	32.9	+30	7	8.7
.. ..	5814	..			√Mt	+31	4504	21	30.3	+31	27	7.8
.. ..	5815	33649			√Ma	+31	4504	21	30.3	+31	27	7.8
.. ..	5816	..			√Ma	+32	4237	21	36.5	+32	36	9.0
.. ..	5817	..			√Ma	+32	4117	21	12.8	+32	50	9.1
.. ..	5818	..			√Ma	+34	449~~4~~5	21	35.2	+34	2	8.5
.. ..	5819	..			√Mt	+34	?4467	21	30.1	+34	22	8.3 ∧
							~~4468~~	~~21~~	~~30.1~~	~~+34~~	~~23~~	~~9.0~~
..	5820	..			√Na	+34	4500	21	35.9	+34	51	6.2
.. ..	5821	..			√Mt	+35	4526	21	20.3	+35	13	7.9
.. ..	5822	..			√Ma	+35	4503	21	17.1	+35	45	8.4
.. ..	5823	33702			Ma	−3	478	2	53.6	−3	27	6.8
.. ..	5824	..			√Ma	+1	503	2	43.9	+1	35	7.5
.. ..	5825	..			√Ma	+3	410	2	49.5	+3	54	6.8
.. 19	5826	33760			√Mdy	+35	2050	9	36.9	+35	10	8.6
.. 26	5827	33796			√Ma	+7	324	1	58.6	+7	33	7.0
.. ..	5828	..			√Ma	+8	382	2	21.2	+8	7	8.5
Feb. 1	5829	31046			√Bl. lines	+48	4093	23	26.7	+48	1	9.5
~~.. ..~~	~~5830~~	~~..~~			~~Na?~~							
.. ..	5831	..			√Ma	+51	3526	22	56.2	+51	3	9.5
.. ..	5832	..			√Mcod	+52	3386	23	5.0	+52	6	9.1
.. ..	5833	..			√Ma	+52	3440	23	18.9	+52	12	7.0

Type III
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" III Var? Not confirmed see cover I 33647
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" III DM. +34° 4416 21 30.1 +34 23 magn. 9.0 is superposed but probably does not affect centre of spectrum.
" IV Known
" III
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R Leo Min.
Type III
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Var. ? Type Known ~~X~~ Z Androm.
~~Var. ? " IV~~ Type I star marked by mistake
" III
Var. ? " III Known SS Androm.
" III

Objects of Interest on Northern Spectrum Plates.

1906	No	Plate No	V	H	Object	D.M. No.		R.A.		Dec		Magn.
Feb. 1,	5834	31046			√ Ma	+53	3033	22	50.0	+53	27	9.1
" 1,	5835	32758			√ Ma	+17	1973	8	47.2	+17	47	6.5
" 1,	5836	"			√ Ma	+18	2093	8	51.0	+18	42	7.0
" 1,	5837	"			√ Pec Md?	(Est.	1855)	8	59.6	+22	~~3~~9	∧
Jan. 31,	5838	33660			√ Mt	−5	58	0	17.1	−5	27	7.8
" "	5839	"			√ Ma	−4	11	0	5.5	−4	11	7.2
" "	5840	33669			√ Ma	C.DM.−24°	1074	2	19.9	−24	32	8.3
" "	5841	"			√ Ma	−21	470	2	32.0	−21	40	8.0
Feb. 1	5842	33758			√ Ma	+34	874	4	14.9	+34	54	7.2
" "	5843	"			√ Ma	+36	872	4	10.6	+36	51	7.7
Jan. 31	5844	33781			√ Ma	+11	4730	21	59.9	+11	3	7.4
" "	5845	"			√ Ma	+12	4767	22	2.2	+12	15	8.7
	5845a	"			√ Md	+11	4738	22	1.7	+11	50	9.2
Feb. 1	5846	33835			√ Ma	+48	29[illegible]4	19	29.7	+48	56	6.5
" "	5847	"			√ Mt ox	+49	3132	19	49.6	+49	13	8.1
" "	5848	"			√ Pec	+49	3064	19	32.9	+49	53	var.
" "	5849	"			√ Br. lines	+50	2869	19	40.9	+50	11	8.3
" "	5850	"			√ M~~a~~b	+51	2734	19	56.0	+51	45	7.3
" 6	5851	338~~39~~40			√ Ma	+42	1725	7	21.4	+42	56	7.3
" "	5852	"			√ Mesd var? ~~Ma~~	+46	1271	7	17.6	+46	15	6.7
" "	5853	"			√ ML	+46	1240	7	3.7	+46	40	9.5
" "	5854	"			√ Mt	+48	1537	7	18.0	+48	13	7.2
" "	5855				Mesd ~~Mbc~~ √ ~~Ma~~ var?	+48	1504	7	7.3	+48	46	9.0
	5855a	" 39			√ Ma	+50	1439	7	20.0	+50	20	7.8
" "	5856	338~~40~~			√ Ma	+16	1363	6	54.2	+16	53	6.5
" "	5857	"			√ Ma	+17	1441	6	46.2	+17	52	8.4
" "	5858	"			√ Mt	+17	1479	6	54.0	+17	57	6.0
" "	5859	"			√ Mt	(Est.	1855)	6	53.4	+19	~~6~~35	∧
" "	5860	"			√ Ma	+21	1515	6	59.7	+21	28	9.2
" "	5861	"			√ Ma	(Est.	1855)	6	45.1	+~~22~~23	~~9~~ 0	∧
" "	5862	"			√ Ma	+23	1533	6	45.6	+23	9	9.0 ∧

Type IV Var.? Known Type IV 20 chart plates do not confirm var. see Book 17 p.74

" IV Var. & Known X Cancri -

" III

" IV New ~~Type IV~~ Dark bands Type VI

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~~Gas. Neb.~~ R Cygni.

Gas neb. ~~Type~~ III Known

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" " Var. Known

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" " Var? 23 chart plates show variation of about 0.5 magn. which is probably real but it is not to be announced until meas. see Book 17 page 148

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Objects of Interest on Northern Spectrum Plates.

1906	No.	No. Plate.	V	H	Object.	D.M. No.	R.A.	Dec.	Magn.
Feb. 6	5863	33831			√ Md 4	+33 470	2 28.3	+33 38	9.2
" "	5864	"			√ Ma	+3~~8~~4 ~~470~~ 469	2 27.0	+34 3	5.6
" "	5865	33841			√ Ma	-11 3291	12 15.8	-11 0	6.8
" "	5866	"			√ Ma	-8 3271	11 52.2	-8 6	8.9
" "	5867	"			√ Mdg	-6 3469	11 45.3	-6 48	9.2
" "	5868	33830			√ Ma	+11 434	2 58.4	+11 6	7.5
" "	5869	"			√ Md 5	~~+14 (Est. 1855)~~ +14 9 526a	3 3.0	+14.~~8~~2 15	var
" 13	5870	33809			√ Ma	+37 199	0 56.0	+37 54	7.3
" "	5871	"			√ Ma	+3~~7~~ 38 ~~139~~ 140	~~0 46.6~~ 0 46.6	~~+38 22~~ +38 23	~~9.0~~ 8.2 ^
" "	5872	"			√ Ma	+39 167	0 36.7	+39 53	7.1
" "	5873	"			√ Mdg	(Est. 1855)	1 7.8	+ ~~41.0~~ 40 58	
" "	5874	33832			, √ Mdg?	-3 353	2 12.0	-3 38	var.
" "	5875	33819			√ Ma	+34 270	1 25.6	+34 52	7.2
" "	5876	"			√ Ma	+36 285	1 27.8	+36 52	8.0
" "	5877	"			√ Ma	+37 292	1 20.7	+37 12	8.5
" "	5878	"			√ Ma	+37 337	1 30.9	+37 49	8.4
" "	5879	"			√ Ma	+40 347	1 32.2	+40 52	9.0
" "	5880	33820			√ Bl. lines	+56 686	2 30.7	+56 6	9.1
" "	5881	"			√ Bl. lines	(~~Est.~~ 1855) +56° 731	2 41.5	+56.~~3~~ 20	
" "	5882	"			√ Pec	+57 702	3 0.3	+57 20	7.9
" "	5883	33824			√ Ma	+15 635	4 21.8	+15 51	8.5
" "	5884	33825			√ Ma	+18 2093	8 51.0	+18 42	7.0
" "	5885	33818			√ Md 4	(Est. ~~1855~~ 1900)	0 ~~42.~~ 44.6	~~+34~~ +35	6
" "	5886	"			√ Ma	+31 144	0 49.1	+31 6	7.9
Apr. 15 1910	5886a	"			√ Mdg				
Feb. 1906 13	5887	"			√ Mt	+37 112	0 31.8	+37 26	9.3
" 28	5888	33279			Ft.	~~+12~~ (1855)	1 15.2	+12.1	
" "	5889	33548			√ Mcod	+34 4597	21 59.4	+34 39	8.5
" "	5890	"			?	+33 4489	22 15.9	+33 39	9.0
" "	5891	33764			√ Ma	+11 198	1 24.9	+11 8	8.2

Var.? Type III T Trianguli.

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Known - found on I 3309 " "

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Var.? Known " U Arietis 1900 pos. = 3 5.5 +14 25

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Var.? New " " 1900 pos. = 1^h 10.4 +41 12

" " o Ceti

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" V Known

" V Known

" IV Nd? Known Type VI Circ. 145 Midway between Type IV & VI

" III

" III

V Androm. " III

R.Z Androm. " "

" "

U Piscium

var? Type III See Book 13. p. 162 Announced in Circ. 132

T Lacertae

Type III

Objects of Interest on Northern Spectrum Plates.

1906	No.	No. Plate	V	H	Object.	DM No.		RA		Dec.		Magn.
Feb. 28	5892	33764			?	(Est. 1855)		1	15.2	+12.1		
" "	5893	"			√ Ma	+13	191	1	9.7	+13	10	8.5
" "	5894	"			√ Ma	+12	185	1	24.2	+12	57	9.2
" "	5895	"			√ Mb	+14	226	1	23.1	+14	16	8.0
" "	5896	33772			√ Ma	+6	1720	7	27.3	+6	30	8.0
" "	5897	"			√ Ma	+6	1690	7	21.8	+6	57	8.5
" "	5898	"			√ Ma	+7	1799	7	32.5	+7	6	8.5
" "	5899	"			√ Md 8	+8	1800	7	24.8	+8	38	var.
" "	5900	"			√ Mb	+8	1846	7	32.9	+8	44	9.0
" "	5901	"			√ Mb	(Est. 1855)		7	33.4	+8.7		
" "	5902	"			√ Ma	+10	1547	7	22.1	+10	21	8.0
" "	5903	33777			√ Ma	+30	4703	22	17.3	+30	32	6.6
" "	5904	"			√ Ma	+31	4645	22	3.8	+31	35	7.1
" "	5905	"			?	+33	4489	22	15.9	+33	39	9.0
" "	5906	"			√ Ma	+36	4880	22	29.6	+36	1	7.2
" "	5907	33889			√ Ma	+54	931	5	31.8	+54	22	9.1
" "	5908	"			√ Ma	+54	887	5	12.2	+54	50	9.~~0~~2
Mar. 1	5909	33867			√ Ma	+2	2560	12	31.0	+2	40	6.0
" "	5910	"			√ Md 5	+6	2664	12	43.7	+6	20	var.
" "	5911	"			√ Md 6	+7	2561	12	31.2	+7	48	var.
" "	5912	33892			√ Ma	−3	3257	12	8.8	−3	39	8.2
" "	5913	"			√ Ma	−5	3~~3~~416	11	58.2	−5	2	6.7
" "	5914	"			√ Mb 5c	−5	3424	11	59.8	−5	57	7.0
" "	5915	"			Too ft.	−5	3456	12	7.2	−5	14	var.
" "	5916	33879			√ Md?	+75	429	10	46.6	+75	7	8.0
" "	5917	"			√ Mb	+72	521	11	2.4	+72	22	8.9
" "	5918	"			√ Mb	+70	641	10	49.1	+70	46	7.1
" "	5919	"			√ Md 7	+69	587	10	34.3	+69	32	var.
" "	5920	"			√ Ma	+69	600	10	58.4	+69	9	8.2

Too ft.
Type III
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" " S Can. Min.
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" " U Canis Minoris.
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Too ft. T Lacertae.
Type III
" III
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" III
" III Var.?
" " R Virginis.
" "
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" "
T Virginis.
Type III Var.? Not confirmed see cover I 33879
" "
" "
" " R Ursae Maj.

Objects of Interest on Northern Spectrum Plates.

1906	No	No Plate.	V.	H	Object.	DM No.		R.A.		Dec.		Magn
March 1	5921	33879			√ Na	+68	617	10	35.0	+68	10	6.2
" .	..5922	"			√ Mb	+66	681	10	37.8	+66	22	7.9
"	..5923	33868			√ Md9	−22	3601	13	21.8	−22	32	var.
"	..5924	33771			√ Mb	+52	1062	6	9.9	+52	35	8.4
"	..5925	"			√ Mb	+56	1101	6	4.1	+56	45	7.0
"	..5926	"			√ Ma	+57	931	5	52.4	+57	51	8.2
" 2	5927	32998			√ Mcsd	+57	1786	17	34.6	+57	50	9.3
" 2	5928	33865			√ Pec.	−10	1774	6	50.3	−10	38	7.2
"	..5929	"			√ Mb	−8	1650	6	51.2	−8	50	7.7
"	..5930	33869			√ Nd	−3	1685	6	53.8	−3	3	7.7
"	..5931	"			√ Na	−4	1708	6	46.0	−4	24	9.0
"	..5932	"			√ Ma	−6	1682	6	34.7	−6	2	8.5
"	..5933	"			√ Ma	−6	1664	6	33.2	−6	13	7.3
"	..5934	"			√ Mb	−8	1650	6	51.2	−8	50	7.0
"	..5935	"			√ Ma	−8	1641	6	50.3	−8	53	8.0
" 5	5936	28470			√ Mc	+45	1324	6	24.9	+45	44	8.7
"	..5937	28553			√ Md	+42	831	3	40.6	+42	9	8.0
"	..5938	"			√ Ma	+42	895	3	57.9	+42	40	8.8
" 13	5939	32560			√ Mcsd	+56	1615	12	33.7	+56	38	8.2
"	..5940	"			√ Md8	+60	140$\overset{6}{8}$	12	29.8	+60	17	var.
"	..5941	"			√ Md4	+61	1313	12	37.6	+61	53	var.
"	..5942	32909			√ Ma	+43	2542	15	49.8	+43	34	5.5
"	..5943	"			√ Mcsd	+39	2901	15	36.1	+39	2	7.0
"	..5944	"			√ M$\overset{a}{d}$	+37	2661	15	31.0	+37	51	8.5
"	..5945	32911			√ Ma	−20	4305	15	33.6	−20	43	var.
"	..5946	32914			√ Mc	+39	2901	15	36.1	+39	2	7.0
"	..5947	32916			√ Mb	+51	2734	19	56.0	+51	45	7.3
"	..5948	"			√ Br. lines	+50	2869	19	40.9	+50	11	8.3
"	5949	32917			√ Mb	+39	2773	14	23.9	+39	30	7.5

Type IV Var? Known
" III
R Hydrae.
Type III
" "
" "
" " Var. ? New - though susp. before by Espin A.N. 145-327
H β bright Known
Type III
" IV Known Type VI. Cir. 145
" IV known Var. ? New
" III
" III
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" III
" " Var ? 15 chart plates show no evidence of variation No trace of br. lines on I 30658 Prob. defect on 28553 see note on cover of plate.
" "
" " Var ? Known U Urs. Majoris
" " " ? T Ursae Maj.
" " Var. S Ursae Maj.
" "
" " Var. ? New
" "
" " = U Librae.
" "
" "
Neb. or Nova?. Look up ident. ✓ Known Gas neb
Type III V Bootis.

Objects of Interest on Northern Spectrum Plates.

	No	No Plate	Y	H	Object	D.M.No.		R.A.		Dec.		Magn
1906. Mar. 13	5950	32917			√ Ma	+39	2778	14	28.2	+39	34	8.0
"	" 5951	"			√ Ma	+41	2510	14	27.2	+41	28	8.3
"	" 5952	"			√ Ma	+41	2519	14	35.6	+41	11	8.0
"	" 5953	"			√ Ma	+41	2520	14	36.4	+41	51	8.6
"	" 5954	32878			√ Md 5			6	0.9	+50	~~2~~ 15	
"	" 5955	"			√ Mb	+50	1262	5	52.3	+50	36	8.5
"	" 5956	"			√ Mb	+52	1062	6	9.9	+52	35	8.4
"	" 5957	"			√ Ma	+53 ~~or +53~~	962 ~~963~~	5 ~~5~~	43.8 ~~43.9~~	+53 ~~+53~~	26 ~~25~~	8.0 ∧ ~~9.0~~
"	" 5958	"			√ Mb	+56	1101	6	4.1	+56	45	7.0
"	" 5959	32915			√ Md 8	−22	3601	13	21.8	−22	32	var.
"	" 5960	"			√ Ma	−21	3736	13	27.5	−21	53	7.5
"	" 5961	32971			√ Mb	+24	2901	15	32.1	+24	60	7.4
"	" 5962	"			√ Pec.	+28	2477	15	42.6	+28	36	var.
"	" 5963	"			√ Md 8	Announced 1900 pos.		15	52.2	+29	32 √	
"	" 5964	32765			√ Mc5d	+56	1615	12	33.7	+56	38	8.2
"	" 5965	"			√ M,a	+57	1398	12	47.6	+57	36	8.7
"	" 5966	"			√ Ma	+57	1382	12	29.5	+57	38	7.5.
"	" 5967	"			√ Ma	+57	1373	12	18.1	+57	34	6.4
"	" 5968	"			√ Mb	+58	1397	12	45.0	+58	32	8.0
"	" 5969	"			√ Md?	(Est. 1855)		12	25.5	+59.8		
"	" 5970	"			√ Md 4	+60	1406	12	29.8	+60	17	var.
"	" 5971	32767			√ Mb	−6	4419	16	15.2	−6	52	7.3
"	14 5972	33875			√ Mb5-c	+53	580	2	42.1	+53	25	8.9
"	" 5973	"			√ Md?	(Est 1855)		2	40.0	+~~55~~ 54	58	
"	" 5974	"			√ Ma	+55	749	3	1.7	+55	36	8.0
"	" 5975	"			√ Br. lines	+56 ~~(+56~~	731 ~~724~~	2 ~~2~~	41.5 ~~40.0~~	+56 ~~+56~~	20 ~~23~~	9.5 ~~9.4~~
"	" 5976	"			√ Br. lines	+56	686	2	30.7	+56	6	9.1
"	" 5977	"			√ Nd	+57	702	3	0.3	+57	20	7.9
"	" 5978	"			√ Ma	+57	711	3	9 6.8	+57	48	9.0

Type III
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" " Var. ? X Aurigae 6 4.4 +50 15 =1900 pos.
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" " R Hydrae
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" "
R Coronae
Type III Var. ? New
" " " Known M Urs. Majoris
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" "
" " Var ? Not confirmed I 32760 see cover
" " Var. T Ursae Maj.
" "
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" " ? Var. ? Not confirmed See cover I 33875
" "
~~W Persei)~~ " V Known
" V Known
" IV ? Known
" III

Objects of Interest on Northern Spectrum Plates

1906.	No	Plate.	V	H	Object	DM No.		R.A.		Dec		Magn
March 14	5979	32764			√Md5	+60	1406	12	29.8	+60	17	var.
"	" 5980	32770			√Mf	C.Dm.−26	7564	9	51.8	−26	1	8.7
"	" 5981	"			√Na	−22	2739	9	44.4	−22	20	6.6
"	" 5982	"			√Md?	−19	2870	9	49.2	−19	16	8.7
" 15	5983	32733			√Md6	−3	353	2	12.0	−3	38	var.
"	" 5984	"			?	−0	361a	2	18.6	−0	50	var.
"	" 5985	32754			√Ma	+37	2661	15	31.0	+37	51	8.5
"	" 5986	"			√Mc	+39	2901	15	35.1	+39	2	7.0
"	" 5987	"			√Ma	+43	2520	15	34.6	+43	10	8.0
"	" 5988	32755			√Md?	+29	2947	17	3.3	+29	18	9.5
"	" 5989	"			√Ma	+29	2978	17	11.9	+29	5	7.0
"	" 5990	"			√Ma	+28	2662	16	59.1	+28	53	8.1
"	" 5991	32769			√Na	−22	2160	8	1.2	−22	30	8.6
"	" 5992	"			√Ma	−21	2115	7	40.2	−21	11	8.0
"	" 5993	"			√Br. lines	−17	2105	7	35.5	−7	52	neb.
Jan 24 '07,	5993a				√Md5-c	A.G.C.	10371	7	49.8	−26	5	7½
"	" 5994	32771			√Ma	−12	2912	9	22.8	−12	6	8.3
"	" 5995	"			√Ma	−7	2822	9	22.7	−7	38	9.7
"	" 5996	"			√Ma	−7	2813	9	21.1	−7	5	7.2
"	" 5997	"			√Ma	−6	2991	9	38.5	−6	57	9.5
"	" 5998	"			√Ma	−3	2744	9	34.3	−3	37	8.0
" 20	5999	33857			√Ma	+16	625	4	26.7	+16	53	7.0
"	" 6000	"			√Ma	+17	741	4	22.9	+17	14	9.3
"	" 6001	33859			√Ma	+54	1032	6	16.6	+54	28	8.3 ^
"	" 6002	"			√Ma	+55	1159	6	51.3	+55	5	8.7 ^
"	" 6003	"			√Ma	+55	1132	6	40.2	+55	21	8.5
"	" 6004	"			√Mf	+55	1109	6	30.8	+55	36	8.5
"	" 6005	"			√Ma	+59	1008	6	30.~~8~~9	+59	14	9.0 ^
"	" 6006	33861			√Mf	+31	131	0	44.1	+31	34	8.0
"	" 6007	"			√Ma	+32	177	0	55.0	+32	32	8.0

Type III T Ursae Maj.
" "
" IV Var. & Known Y Hydrae
" III Var.? Not confirmed see cover I 32770
o Ceti
R Ceti too ft.
Type III
" "
" "
" " Var? Not confirmed see cover I ~~34~~ 32755
" "
" "
" IV Var. & Known RU Puppis
" III
~~"~~ ? Bt Gas. Spet. Known
Type III
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Objects of Interest on Northern Spectrum Plates.

	No	No Plate.	V	H	Object.	D.M. No.	AR	Dec	Magn.
1906 Mar. 20	6008	33861			√ Ma	+33 169	0 59.4	+33 13	8.2
" "	6009	33870			√ ~~Md~~ Nd ?	+57 ~~636~~ 762	~~2 37.6~~ 3 0.3	+57 ~~35~~ 20	7.~~8~~ 9
" "	6010	"			√ Pec.	+57 636	2 37.6	+57 35	7.8
" "	6011	33871			√ Ma	+11 1607	7 25.5	+11 19	8.1
" "	6012	33874			√ Mg	+75 4	0 6.0	+75 13	7.1
" "	6013	"			√ ML	+75 22	0 23.1	+75 47	8.8
" 24	6014	33878			√ Pec.	+66 780	12 50.7	+66 47	7.3
" "	6015	"			√ Ma	+65 904	12 43.6	+65 27	9.4
" "	6016	"			√ Md?	(Est. 1855)	12 15.8	+62 32	
" "	6017	"			√ Mt	+62 1224	12 13.5	+62 7	7.4
" "	6018	"			√ Md4	+61 1313	12 37.6	+61 53	var.
" "	6019	33890			√ Mf	+52 1062	6 9.9	+52 35	8.4
" "	6020	"			√ Ma	+53 1013	6 12.2	+53 18	8.2
" "	6021	"			√ Ma	+53 1081	6 42.4	+53 33	9.0
" "	6022	"			√ Ma	+54 1026	6 14.0	+54 36	9.0
" "	6023	"			√ Ma	+55 1079	6 15.8	+55 32	9.1
" "	6024	"			√ Mt	+55 1109	6 30.8	+55 36	8.5
" "	6025	"			√ Mt	+56 1101	6 4.1	+56 45	7.0
" "	6026	"			√ Ma	+56 1126	6 15.1	+56 49	8.9
" "	6027	"			√ Mt	+57 1001	6 32.1	+57 3	7.2
" "	6028	"			√ Ma	+57 996	6 30.9	+57 36	9.2
" "	6029	"			√ Md6	(1855)	6 32.0	+58.0	
" "	6030	"			√ Ma	+59 982	6 17.4	+59 10	9.1
" "	6031	33876			√ Mt	+21 1896	8 34.9	+21 8	8.7
" "	6032	"			√ Ma	+20 2238	8 47.1	+20 14	9.1
" "	6033	"			√ Mt	+18 2093	8 51.0	+18 42	7.0
" "	6034	"			√ Na	+17 1973	8 47.2	+17 47	6.5
" "	6035	33877			√ Md9	−3 353	2 12.0	−3 38	var.
" "	6036	33885			√ Ma	−0 2509	11 47.2	−0 54	9.5

Type III

" IV Known Midway between IV + VI announced Cir. 145

Var. ? var. not confirmed see cover I 33870 Mrs F. finds no peculiarity on spectrum plate I 33870 both see cover I 33870

Type III

" "

" "

" IV. ? known Br. line? Var. ? New

" III

" " var. not confirmed see cover I 33878

" "

" " var. Known S Urs. Majoris

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Type III S Lyncis 1900 pos: 6 35.9 + 58.0

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" IV Known X Cancri

○ Cete,

Type III

Objects of Interest on Northern Spectrum Plates.

1906. ~~1905~~	No	N Plate	Q	H	Object.	DM No.	RA	Dec.	Magn.
~~Nov.~~ March 28	6037	I 32970			√Md5	+60 1406	12 ~~32.~~ 29.8	~~+59~~ +60 17	var
"	6038	"			√Md	(1855)	12 32.~~3~~4	+59 ~~3~~ 17	^
"	6039	"			√Me5d	+56 1615	12 33.7	+56 38	8.2
July 25, 1906	6040	I 34121			√Md	(Est. 1855)	20 9	+36 30.6	
"	6041	"			Type V	+36 3956	20 9.1	+36 13	8.0
"	6042	"			Type V	+35 4013	20 6.5	+35 46	8.0
"	6043	"			Type V	+35 4001	20 4.8	+35 45	8.5
"	6044	"			Type V	+35 4002	20 4.9	+35 31	9.5, var.
"	6045	"			√Ma	+33 3922	20 23.9	+33 21	8.7
"	6046	"			Type IV	+32 3850	20 25.8	+32 5	9.1
"	6047	"			√Ma	+32° 3857 ~~3851~~ ~~+31 4047~~	20 25.9 ~~20 9.6~~	+32 2 ~~+31 48~~	9.0 ~~9.5~~
"	6048	"			√Ma	+31 3864	19 52.7	+31 5	8.4
Sept. 10	6049	I 34064			√Md9	+12 2096	9 39.8	+12 6	var.
Fol. Aug 22 & to plane of this [illegible] Oct. 6	6050	I 34272			√~~Md5~~ Ma	+31 131	0 44.1	+31 34	8.0
"	6051	"			√Md5	(Est. 1855)	0 43.5	+33 35	
"	6052	"			√Md2	(Est. 1855)	0 ~~41~~ 42.2	+34 52	
"	6053				√Ma	+35 137	0 36.8	+35 48	9.0
	6053a	I 34164			Ma	+27° 2733	1 54.1	+27 32	7.2
	6053b	"			Ma	+29° 2795	1 57.8	+29 32	8.2
"	6054	I 34275			√Md6	+9 5191	23 9.5	+9 49	8.5
"	6055	"			√Ma	+9 5205	23 13.6	+9 24	8.6
"	6056	"			√Md8	+9 5158	22 59.4	+9 46	var.
"	6057	"			√Md7	+8 5047a	23 13.2	+8 8	var
8	6058	I 34268			√Ma	−17 6836	23 45.2	−17 10	7.3
Déc "	6058a	"			√Ma	−12 6579	23 45.3	−12 49	7.3
~~Oct.~~ 8	6059	I 34261			√Ma	+43 4178	22 15.9	+43 1	8.0
"	6060	"			√Mt	+46 3574	21 59.5	+46 3	6.5
"	6061	I 34262			√Br. lines	+41 4773	23 19.0	+41 44	neb.
	6061a	"			Ma	+46 4025	23 16.1	+46 50	8.1
"	6062	I 34266			√Mt	+9 4549	20 22.5	+9 25	8.5
Aug. 23	6063	I 34165			√Ma	+25 3157	16 49.7	+25 44	8.8
"	6064	"			√Ma	+26 2932	16 54.4	+26 28	8.2
"	6065	"			√Ma	+29 29[illegible]8	17 11.9	+29 5	7.0

T Ursae Majoris
Known Var. ~~?~~
Known Var? Y Ursae Majoris.
Var. ~~?~~ S X Cygni.
Known
Known
Known
Known R Y Cygni.

Var. ? New

Known Type III Var. ~~?~~ R Leonis
" "
Known " " RR Androm.
Known " " V Androm
" "
" " –Pegasi, Known
" "
" " R Pegasi Known
" " S " Known
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" "
" V or Gas. Neb. Known Gas neb.
" III
" III
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" "

Objects of Interest on Northern Spectrum Plates.

1906	No	No Plate.	γ	H	Object.	DM No.		R.A.		Dec.		Magn.
Aug. 23	6066	34165			✓ Mf	+29	2951	17	4.8	+29	22	8.2
Dec. 11	6066a	34165			✓ Md 4	+27	2772	17	5.0	+27	14	9.3
Aug 23	6067	34168			✓ Ma	+76	865	22	34.2	+76	51	8.7
" "	6068	"			✓ Md?	(Est.	1855)	21	41.0	+~~77~~ 78	0	
" "	6069	"			✓ Ma	+78	762	21	47.5	+78	21	7.8
" "	6070	"			✓ Ma	+79	721	21	56.4	+79	37	6.4
" "	6071	34173			✓ Br. line?	(Est.	1855)	18	36.3	+62.8		
" "	6072	"			✓ Mf	+62	1725	19	30.4	+62	49	8.0
" "	6073	"			✓ Mf	+63	1510	19	17.5	+63	40	9.0
" "	6074	"			✓ Mcsd	+65	1327	19	9.5	+65	52	8.9
" "	6075	"			✓ Md	+67	1124	19	9.9	+67	2	9.5
" "	6076	"			✓ Ma	+67 ~~+76~~	1130 ~~865~~	19 ~~22~~	~~27.~~12.7 ~~34.2~~	+67 ~~+76~~	20 ~~51~~	9.1 ~~8.7~~
" "	6077	"			✓ Ma	+68	1062	19	24.0	+68	44	7.3
" "	6078	"			✓ Ma	+69	1058	19	35.9	+69	28	8.0
" "	6079	34174			✓ Ma	+10	4500	21	9.1	+10	21	8.0
Dec. 11	6079a	34174			Ma	+12	4601	21	13.2	+12	11	9.0
Aug 23	6080	34175			✓ Ma	−15	5935	21	7.7	−15	46	5.0
" "	6081	34177			✓ Ma	−16	5272	19	10.9	−16	10	6.8
" "	6082	"			✓ Mf	−17	5588	19	12.2	−17	18	8.1
" "	6083	"			✓ Ma	−20	5433	19	3.4	−20	30	9.0
Aug. 25	6084	34179			✓ Mf	+38	34~~50~~ 45	19	3.3	+38	56	6.9
" "	6085	"			✓ Ma	+37	3403	19	12.5	+37	21	8.0
" "	6085a	"			✓ ~~Mf~~	+35	3614	19	20.7	+36 5	54	8.0
" "	6086	"			✓ Mf	+32	3350	19	6.2	+32	22	8.7
" "	6086a	"			✓ Mc		(1855)	19	23.5	+36	13	✓
" "	6087	34180			✓ Br. lines	+35	4001	20	4.8	+35	45	8.5
" "	6088	"			✓ "	+35	4013	20	6.5	+35	46	8.0
" "	6089	"			✓ "	+36	3956	20	9.1	+36	13	8.0
" "	6090	"			✓ "	+36	4028	20	16.1	+36	28	9.5
" "	6091	"			✓ "	+36	3987	20	11.6	+36	59	8.1
" "	6092	"			✓ Ma	+37	3946	20	23.0	+37	19	8.4
" "	6093	"			✓ Br. lines	+37	3821	20	6.8	+37	55	7.1
" "	6094	"			✓ "	+38	4010	20	14.2	+38	17	8.7

Type III
Var. Type III RT Herculis.
" "
" " Var. ? Not confirmed. See cover I 34168
" "
" "
" X ? May be defect. var. Not confirmed see cover I 34173
" III
" "
New on I 336^{85}76 " " Var. ✗ Announced by Miss Leavitt see Cir 130 & Note in Cir 13^{3}4
" " Var. ✗ U Draconis
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" IV Known Type IV Var.? var. not confirmed see note on cover.
" III
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" V Known
" " Known
" " Known
" " Known
" " Known
" III
" V Known
" " Known

Objects of Interest on Northern Spectrum Plates

1906	No	No Plate	V	H	Object	DM No		R.A.		Dec.		Magn.	
Aug. 25	6095	I34180			√ Ma	+38	4003	20	13.7	+38	33	6.8	
"	6096	"			√ Br. lines	+43	3571	20	15.6	+43	24	7.5	
" 29	6096a	I 34188			√ Pec. Var. band.	-10	3057	19	17.6	-10	54	7.0	(1900)
" 28	6097	I34191			√ Ma	-4	4880	19	33.5	-4	15.0	8.0	
" "	6098	"			√ Pec.	-10	5057	19	15.2	-10	59	7.0	
" 29	6098a	I34187			√ Md	+37	1177	15	15.1	+37	22	8.0	
Oct. 9.	6099	I33775			√ Br. line	(Est.	1855)	18	0.0	+55	4		
" "	6100	34243			√ Br. lines?	+36	4531	21	16.5	+36	56	9.0	
" "	6101	"			√ Ma	+39	4475	21	6.0	+39	27	8.3	
" "	6102	"			√ Mb5c	+40	4502	21	17.2	+40	19	7.2	
" "	6103	"			√ Ma	+41	3991	20	59.2	+41	52	8.2	
" "	6104	"			√ Mb	+44	3679	20	57.3	+44	14	6.8	
" "	6105	"			√ Ma	+44	3649	20	52.8	+44	14	7.9	!
" "	6106	34260			√ Br. lines	+66	1066	17	58.6	+66	38	neb:	
" "	6107	"			√ Ma	+67	1066	~~17~~ 18	20.0	+67	20	7.0	
" "	6108	34242			√ Br. lines	+37	3821	20	6.8	+37	55	7.1	
" "	6109	"			√ Ma	+40	3866	19	39.9	+40	22	6.3	
" "	6110	"			√ "	+42	3544	19	53.3	+42	8	8.5	
" "	6111	"			√ "	+42	3398	19	32.5	+42	56	8.2	
" "	6112	"			√ "	+44	3315	19	57.0	+44	20	8.8	
Feb. 1	6113	33283			√ Mb5c	+79	110	3	27.1	+79	51	7.8	
Oct. 9	6114	34026			√ Ma	+22	3273	17	59.9	+22	12	5.2	
" "	6115	"			√ Mb	+20	3580	17	43.8	+20	54	7.3	
" "	6116	"			√ Mb	+20	3578	17	43.4	+20	41	7.2	
" "	6117	"			√ Mb	+20	3661	~~17~~ 18	0.0	+20	22	9.0	
" "	6118	"			√ Mb	+19	3509	17	57.1	+19	33	7.0	^
" "	6119	"			√ Md?	Est.	1855)	17	53.5	+19	30		
" "	6120	"			√ Ma	+19	3444	17	45.2	+19	5	9.1	
" "	6121	34057			√ Md6?	+7	2561	12	31.2	+7	48	var.	
" "	6122	34060			√ Md4	+10	2956	16	0.4	+10	20	9.3	
" "	6123	"			√ Mb	+8	3141	16	1.5	+8	56	6.4	

1898phae.prbj..900F

Type III

" V? Maybe gas. neb. Known Type V

" III

✱ Dark bands. Known as Pec. New "Dark Bands"

Var? Type III "Image defective on this plate I 31190 shows this as Class A"

or Var? No star in this pos on 20 chart plates nor on 5 spectrum plates see note on cover

Another good sp. plate. "Br. lines do not extend across spectrum of D.M. +36° 4031 and are probably due to defect"

Type III

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Gas. Neb. Known

Type III

" V Known

" III

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Known " " Var.? Difficult. R Y Herculis 17 55.4 + 19 29 = 1900 pos. Sp. superposed on adj. star.

" "

" " var? Known R Virginis

Var?" " U Serpentis

Type III

Objects of Interest on Northern Spectrum Plates

1906	No	No Plate	V	H	Object	D M No	R.A.	Dec	Magn.
Oct. 9	6124	34060			√ Mt	+9 3153	16 1.6	+9 1	7.5
" "	6125	"			√ Mt	+8 3148	16 3.8	+8 10	8.9
" "	6126	"			√ Br. lines	+12 2966	16 4.9	+12 27	9.0
" "	6127	34018			√ Na?	+40 2929	15 44.3	+40 1	8.5
" "	6128	"			√ Mb5c	+39 2901	15 36.1	+39 2	7.0
" 10	6129	33860			√ Ma	+1 2519	10 58.6	+1 60	8.0
" "	6130	"			√ Ma	+2 2424	11 18.4	+2 41	8.7
" "	6131	"			√ Ma	+4 2427	11 2.6	+4 9	9.0
" "	6132	33880			√ Mt	+6 2369	10 48.5	+6 57	6.5
" "	6133	"			√ Ma	+4 2452	~~10~~ 11 14.0	+4 44	8.5
" 9	6134	34010			√ Ma	+45 1288	6 10.7	+45 10	8.2
" "	6135	"			√ Mt	+45 1324	6 24.9	+45 44	8.7
" "	6136	"			√ Ma	+47 1311	6 22.4	+47 19	8.0
" "	6137	"			√ Ma	+48 1388	6 16.9	+48 4	8.8
" 10	6138	34012			√ Ma	+15 2758	14 39.3	+15 45	5.5
" "	6139	34016			√ Ma	+28 ~~+30~~ 1309	6 57.0	+28 12	8.9
" "	6140	"			√ Ma	+31 1473	6 53.3	+31 34	7.8
" "	6141	"			√ Ma	+31 1487	6 56.5	+31 38	6.7
" "	6142	34019			√ Ma	+45 2323	15 38.1	+45 28	8.3
" "	6143	"			√ Ma	+44 2518	15 48.0	+44 58	8.5
" "	6144	"			√ Ma	+43 2520	15 34.6	+43 10	8.0
" "	6145	"			√ Na	+40 2929	15 44.3	+40 1	8.5
" "	6146	"			√ Mc5d	B+44 +38° 2698 ~~(Est. 1855)~~	15 46 .4	+38 42	9.5
" "	6147	34023			√ Ma	+6 2224	9 46.1	+6 39	6.5
" "	6148	"			√ Md?	(Est. 1855)	9 31	+7	
" "	6149	"			√ Ma	+9 2220	9 31.4	+9 8	8.7
" "	6150	"			√ Mt	+10 2067	9 46.2	+10 57	8.0
" "	6151	"			√ Md10	+12 2096	9 39.8	+12 6	var.
" "	6152	34024			√ Mt	18221	13 17.9	−24 8	8

Type III
" "
" " Gas. neb. Nova or Var? New Gas. neb.
Known " IV Var.× V Cor. Bor.
" III
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" "
" IV Var × Known V Cor Bor
Assumed to be +38° 2698 though the star is about 2' north of pos. given in D.M. cat. " III? Var. New
" "
" Var? Not confirmed see note on cover 34023
" "
" "
" "
" "

Objects of Interest on Northern Spectrum Plates

1906	No	No. Plate.	V	H	Object	D M No.	R.A.	Dec.	Magn.
Oct. 10	6153	34024			√ Ma	18167	13 15.7	−23 57	7¼
" ..	6154	..			√ Md8	−22 3601	13 21.8	−22 32	var.
" ..	6155	"			√ Ma	−21 3736	13 27.5	−21 53	7.5
" ..	6156	..			√ Ma	−19 3682	13 18.1	−19 3	8.2
" ..	6157	34059			√ Na	+40 2929	15 44.3	+40 1	8.5
" ..	6158	"			√ Mc	+39 2901	15 36.1	+39 2	7.0
" ..	6159	34061			√ Ma	+10 3496	18 17.2	+10 29	7.8
" ..	6160	"			√ Md?	+9 3707?	18 19.2	+9 13	8.5
" ..	6161	"			√ Md?	+8 3780	18 31.4	+8 42	8.6
" ..	6162	"			√ Md?	+8 3772	18 30.7	+8 50	9.5
" ..	6163	"			√ Md	+9 3813	18 33.4	+9 4	9.5
" ..	6164	"			√ Mt	+8 3697	18 · 19.9	+8 7	8.8
" ..	6165	..			√ Br. lines	+6 3649	18 5.1	+6 49	8.5
" ..	6166	"			√ Md?	+6 3729	18 16.7	+6 46	9.2
" ..	6167	"			√ Md?	+5 3883	18 32.2	+5 20	9.3
" ..	6168	"			√ Md?	+5 3800	18 28.1	+5 1	9.5
" 17	6169	33911			√ Md	(Est. 1855)	15 43	+36	
" ..	6170	33913			√ Na	+49 3064	19 32.9	+49 53	var.
" ..	6171	34017			√ Mt	+15 2758	14 39.3	+15 45	5.5
" ..	6172	"			√ Ma	+15 2760	14 39.4	+15 8	7.6
" ..	6173	33942			√ Pec	+66 780	~~13~~ 12 50.7	+66 47	7.3
" ..	6174	"			√ Mt	+65 926	13 14.8	+65 57	9.0
" ..	6175	"			√ Ma	+64 940	13 13.3	+64 46	9.3
" ..	6176	"			√ Md?	(Est. 1855)	13 20.8	+6~~2~~3 ~~8~~ 47	
" "	6177	33943			√ Ma	+37 2417	13 24.8	+37 14	7.0
" ..	6178	33944			√ Ma	+41 2420	13 37.8	+41 58	8.1
" "	6179	"			√ Ma	+35 2496	13 45.4	+35 10	5.7
" ..	6180	"			√ M~~t~~ a	+38 2497	13 52.5	+38 45	9.0
" ..	6181	"			√ Mt	+38 2501	13 54.2	+38 35	8.9

Type III
" " Var.? ✗ R Hydrae.
" "
" "
" IV Var.? ✗ Known V Coronae
" III
" "
" " Var.? Not-confirmed see cover I 34061
" " Var ✗ X Ophiuchi
" " Var ?, Not-confirmed see cover I 34061
" " Var. Not confirmed see cover I 34061
" "
" V Known Gas neb.
" III Var. ? Not confirmed see cover I 34061
" " " " Not confirmed see cover I 34061
" " " " Not confirmed see cover I 34061
– Coronae.
Type IX Known as Pec. Known var. R Cygni.
" III
" "
" – Bi. line? Var.? Known Type III Var.
" III
" "
" Var.? ✗ ~~R R Urs. Majoris~~ object marked not R R ~~1900 pos. 13 22.5 +62 55~~
" "
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" "
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" "

Objects of Interest on Northern Spectrum Plates

1906	No	No. Plate	V	H	Object.	DM No		R.A.		Dec.		Magn.	
Oct. 17	6182	33946			√ Mt	+34	946	4	$56.\overset{9}{8}$	+34	39	8.1	
" "	6183	33951			√ Md?	+57	806	4	18.7	+57	5	8.5	
" "	6184	"			√ Pec.	+61	667	3	53.3	+61	24	7.5	
" "	6185	"			√ Mt	+61	734	4	36.1	+61	14	7.7	
" "	6186	"			√ Mt	+61	723	4	30.5	+61	29	9.5	
" "	6187	"			√ Ma	+64	451	4	17.3	+64	7	9.1	
" "	6188	33952			√ Md?	+63	472	3	49.5	+63	25	9.3	
" "	6189	"			√ Ma	+64	451	4	17.3	+64	7	9.1	
" "	6190	33925			√ Ma	-13	2746	8	56.3	-13	26	7.~~8~~ 7.7	
" "	6191	"			√ Mt	-10	2635	8	39.2	-10	18	6.9	
marked by Mr. King Feb. 29 1904	6192	31457			√ Mb. var?	+39°	1559	6	~~39.5~~ 5.2	+39	58.9	8.0	√
	6193	"			√ N var?	+42°	1514	6	~~31.0~~ 5.5	+42	4.6	8.1	√
Marked by Mr. F. March 20 1904	6194	"			√ Type IV	+38	1539	6	26.6	+38	33	6.3	√
	6195	"			√ Br. lines Md?	Approx 1855 pos.		6	11.6	+42	46		√
	6196	"			√ Md	Approx 1855 pos.		6	1.6	+43	11		√
1906 Nov. 19 marked by Mr. King	6197	34351			√ Br. lines	(Est. 1855)		20	13.5	+16	17		
Nov. 19	6198	"			√ Mb.	+16	4237	20	15.8	+16	28	8.0	
Dec. 1	6199	"			√ Mb	+16	4199	20	7.7	+16	36	9.3	^
Dec. 1	6200	"			√ Ma	+17	4183	~~20~~ 19	53.5	+17	7	5.8	
" "	6201	"			√ Ma	+14	4213	20	4.6	+14	37	8.6	
" "	6202	"			√ Mbsc.	+14	4212	20	4.5	+14	23	9.4	
" "	6203	"			√ Br. lines	(Est. 1855)		20	8.2	+12	16		
Oct. 18	6204	33924			√ Ma	-16	2541	8	33.2	-16	47	6.5	
Dec. 11,	6205	33926			√ Mt	CPM -26	8789	11	42.5	-26	3	5.8	
" "	6206	"			√ Mt	CPM -24	9940	11	39.9	-24	10	7.5	
" "	6207	34115			√ Ma	+37	2661	15	31.0	+37	51	8.5	
" "	6208	"			√ Mt	+39	2901	15	36.1	+39	2	7.0	
" "	6209	33927			√ Ma	CPM -24	11834	14	56.8	-24	48	3.5	
" "	6210	33827			√ Pec!	+28	2477	15	42.6	+28	36	var.	

Type III

" " Var.? New - though suspected before by Espin

Dark bands. Known as Type IV New Dark Bands

" "

" "

" "

" " Var.? Not confirmed see cover I 33952

" "

" "

" "

chart plates examined show no evidence of var. see Mrs. F's Book 14 page 180

chart plates examined show slight evidence of var. but not more than magn 0.4 see Book 14 page 180

Known

var? Not confirmed chart plate examined see Book 14 p. ~~184~~ 183

var. New 1900 pos. 6 4.8 +43 11

Gas neb. Peculiar spectrum Known Gas. Neb.

Gas. neb. Nova? Known Gas. neb. Announced 1900 pos. 20 10.4 +12 24

Type III

" "

" "

" "

" "

" "

R ~~R~~ Coronae.

Objects of Interest on Northern Spectrum Plates

1906	No	No. Plate	V	H	Object	D.M. No.		A.R.		Dec.		Magn.
Dec. 11	6211	33912			✓ Na	+40	2929	15	44.3	+40	1	8.5
" 8	6212	34169			✓ Mt	+45	3637	21	36.6	+45	6	6.2
" "	6213	"			✓ Mt	+44	3877	21	30.6	+44	44	6.7
" "	6214	34171			✓ Mc5d	+24	2901	15	32.1	+24	60	7.4
	6214a	"			✓ Pec.	+28	2477	15	42.6	+28	36	var.
Aug. 23	6215	34172			✓ Mt	+32	3338	19	4.5	+32	11	8.5
" "	6216	"			✓ Mt	+32	3350	19	6.2	+32	22	8.7
" "	6217	"			✓ Bl. lines	+32	3246	18	48.2	+32	51	9.0
" "	6218	"			✓ Ma	+34	3442	19	4.0	+34	57	8.6
" "	6219	"			✓ Ma	+35	3503	19	5.0	+35	8	9.0
" "	6220	"			✓ Md?	Est.	(1855)	18	42.8	+34	9^{55}	
" "	6221	"			✓ Ma	+35	3389	18	47.6	+35	51	9.1
" "	6222	"			✓ Md?	Est.	(1855)	19	$\overset{2.7}{3}$	+36	$\overset{2}{0}$	
" "	6223	"			✓ Na	+36	3243	18	37.8	+36	49	7.5
" "	6224				✓ Ma	+40	3555	18	55.6	+40	29	6.9
" 24	6224a	34178			✓ Na var.?	−21	5672	20	8.6	−21	46	7.7
Sept. 10	6225	34218			✓ Ma	+36	4679	21	40.7	+36	59	7.7
" "	6226	"			✓ Pec.	~~+37~~	~~4407~~	21	37.3	+37	21	7.8
" "	6227	"			✓ Mt5c	+39	4720	21	51.2	+39	13	8.8
" "	6228	"			✓ Pec.	~~+42~~	(Est. 1855)	21	37.0	+42	55	
" "	6229	"			✓ Mt	+45	3637	21	36.6	+45	6	6.2
Dec. 11	6230	34280			✓ Ma	+74	953	22	5.4	+74	1	7.8
" "	6231	"			✓ Ma	+78	762	$\overset{1}{22}$	47.5	+78	21	7.8
" 8	6232	34281			✓ Ma	+31	144	0	49.1	+31	6	7.9
" "	6233	34284			✓ Ma	~~+22~~	(Est. 1855) ~~1546~~	6	51.3	+22	~~0~~ 01	
" "	6234	"			✓ Md3	+22	1577	6	58.6	+22	55	var.
" "	6235	"			✓ Ma	+24	1531	6	$58.\overset{5}{4}$	+24	23	7.1
" "	6236	34285			✓ Mt	−3	1800	7	6.5	−3	43	9.0
" "	6237	"			✓ Na	−3	1685	6	53.8	−3	3	7.7
" "	6238	"			✓ Na	−2 (~~Est.~~	2101 ~~1855~~)	7	18.0	−2	52	9.0 ✓
" "	6239	34348			✓ Pec.	+53	66	0	16.7	+53	29	9.3

Type IV V Coronae

" III.

" " = W Cygni.

" " Var.? slight change? See cover I 34171

R Coronae

" "

" "

Gas. Neb. Known

Type III

" "

" " Var.? slight if any change? See cover I 34172

" "

" " Var.? variability not confirmed See cover I 34172

" IV Var.? Known

" III

RT Capricorni.

" "

Bl. lines Var.? Type V. Known Var. RV Cygni

" III

1900 pos. 21 38.8 +43 8 H lines very ft. and narrow SS Cygni.

Type III

" "

" "

" "

Neptune " " superposed on a faint star.

" " Var.? R Geminorum.

" "

" "

" IV Known Type VI Cir. 145

Type IV Known

Known Type IV Announced later Type VI Cir. 145

Objects of Interest on Northern Spectrum Plates

1906.	No	Plate No.	V	H	Object	DM	RA	Dec.	Magn.	
Dec. 8	6240	34367			√ Mc	+40 4920	22 43.4	+40 16	9.1	
" "	6241	"			√ Ma	+42 4527	22 47.1	+42 53	8.5	
Aug. 29	6242	34183			√ Md	+23 4230	20 57.9	+23 15	var.	
" "	6243	"			√ Ma	+23 4222	20 56.8	+23 53	7.5	
" "	6244	"			√ Mt	+23 4224	20 57.1	+23 25	7.5	
" "	6245	"			√ Ma	+23 4231	20 58.0	+23 15	9.5	
" "	6246	"			√ Mcod	+22 4203	20 42.4	+22 28	8.0	
" "	6247	"			√ Ma	+20 4752	20 46.9	+20 23	7.7	
" "	6248	"			√ Ma	+18 4675	20 53.8	+18 47	5.9	
Dec. 12	6249	33929			√ Md?	+1 2189	8 45.4	+1 27	9.2	
" "	6250	"			√ Ma	+4 2039	8 38.9	+4 50	8.5	
" 13	6251	33930			√ Ma	+23 2023	8 49.5	+23 31	8.3	
" "	6252	"			√ Ma	+26 1892	8 55.0	+26 26	8.4	
" "	6253	"			√ Ma	+28 1659	8 43.8	+28 48	6.5	
" 12	6254	33933			√ Ma	+61 734	4 36.1	+61 14	7.7	
" "	6255	"			√ Ma	+58 788	~~8~~4 44.6	+58 52	7.0	
1907 Jan. 4	6256	34423			√ Mt	+31 4645	22 3.8	+31 35	7.1	
" "	6257	"			√ Md?	+34 4597	21 59.4	+34 39	8.5	√
" "	6258	"			√ Ma	+34 4679	22 18.9	+34 52	9.4	
" "	6259	"			√ Ma	+36 4774	22 4.3	+36 23	8.3	
" "	6260	"			√ Mt	+39 4817	22 16.4	+39 5	9.2	
" "	6261	34424			√ Mt	+33 425	2 16.5	+33 13	7.2	
" "	6262	"			√ Ma	+34 391	2 4.2	+34 39	9.1	1
" "	6263	"			√ Mt	+36 491	2 18.4	+36 18	7.7	
" 12	6264	34441			√ Ma	+76 679	18 12.3	+76 37	9.5	
" "	6265	"			√ Ma	+75 705	19 40.3	+75 23	9.5	
" 24	6266	33911			√ Mȧ	+40 2914	15 38.8	+40 1	7.9	
" "	6267	"			√ Na	+40 2929	15 44.3	+40 1	8.5	
" "	6268	"			√ Mtoc	+39 2901	15 36.1	+39 2	7.0	

Type III

" "

" " Var.? R Vulpeculae.

" "

" "

" "

" " var? also suspected by d'Arrest AN 83-16 not confirmed see cover I 34/183

" "

" "

" " Var. ? chart plates found exam. to show sufficient evidence of variation see Book 17 p. 138

" "

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" " Var. ? ~~[illegible]~~ suspected before see Mrs F's Book 13 p. 162 Miss Leavitt confirmed & announced later circular 132

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" IV Var?

" III "

Objects of Interest on Northern Spectrum Plates

	No	No Plate	V	H	Object	DMNo	R.A.	Dec.	Magn.
1907 Jan. 24	6269	33911			√ Mb	+37 2661	15 31.0	+37 51	8.5
"	6270	"			√ Ma	+36 2672	15 53.1	+36 26	8.8
"	6271	"			√ Mb	+34 2697	15 45.0	+34 53	9.2
"	6272	"			√ Mb	+32 2622	15 38.6	+32 36	9.3
"	6273	34403			√ Md	−3 353	2 12.0	−3 38	var.
"	6274	34404			√ Md	−3 353	2 12.0	−3 38	var.
Feb. 14	6275	34493			√ Md	+12 2096	9 39.8	+12 6	var.
" 15	6276	34490			√ Mc	+25 5054	23 52.7	+25 6	9.3
" 26	6277	34523			√ Br. lines. Pec.	+66 1066	17 58.6	+66 38	neb.
" 28	6278	34517			√ Ma	+27 1737	9 9.0	+27 3	8.5
"	6279	"			√ Br. lines?	(Est. ~~1900~~ 1855)	9 9.5	+27 ~~5~~ 29	
"	6280	"			√ Mc	+31 1946	9 1.9	+31 34	6.5
"	6281	34519			√ Br. lines?	(Est. 1855)	11 55	+29.9	
"	6282	"			√ Ma	+30 2217	11 56.1	+30 29	7.2
~~March 6,~~	~~6282a~~	~~34498~~			Ad				
March 9	6283	34499			√ Br. line	(Est. 1855)	7 19.6	+7.6	
"	6284	"			√ Mb	+11 1607	7 25.5	+11 19	8.1
"	6285	"			√ Ma	+13 1714	7 28.7	+13 10	8.1
"	6286	"			√ Ma	+14 1691	7 24.1	+14 25	9.0
"	6287	34502			√ Mc	+45 1324	6 24.9	+45 44	8.7
"	6288	"			√ Mb	+47 1258	5 59.4	+47 43	8.0
"	6289	34505			√ Mc	~~+~~−2 1448	5 54.5	−2 21	8.0
"	6290	"			√ Ma	+5 1042	5 46.6	+5 57	8.5
"	6291	34504			√ Md 3	−5 1389	5 39.2	−5 56	9.0
"	6292	"			√ Pec.	(Est. 1855)	5 16.1	−6.6	
"	6293	"			√ Pec.	−3 1175	5 35.0	−3 5~~2~~3	9.5
"	6294	33822			√ Mcod	+56 1615	1~~3~~2 33.7	+56 38	8.2
"	6295	"			√ Md 6	Announced 1900 pos ~~(Est. 1855)~~	12 ~~32~~ 34.4	+59	2
"	~~6296~~	~~33893~~			~~Mc~~	lined out on plate cover.			
"	6297	33893			√ Ma	+30 2279	12 21.3	+30 24	7.9

Type III
" "
" "
" "
o Ceti
" "
Var. R Leonis DM +12° 2096
Type III Z Pegasi.
Gas. not known ?
Type III
Var.? Not confirmed see cover I 34517 slight if any.
Type III
Hβ & Hγ? Probably due to defect. Not on I 24947
Type III ~~III~~ IV
Defect? {No image on I 34537 in this pos. No image on Chart pl. I 32579 taken 10 days later nor on AC 8212 taken 2 days earlier—
Type III
" "
" "
" " Var. ? New - see also I 32729

Var.? Type III Not confirmed see cover I 34505
" "
Var.? Type III ~~Not~~ No peculiarity on spectrum plate I 32725 Probably defect. Var. not confirmed see cover 345[illegible]
defect? {I 34570 W taken Feb. 11 1907 Not found on AC Plates taken Feb. 12 & 15th.
Var? Probably defect No peculiarity found on I 32725 Var. not confirmed see cover I 34504
Var. ? Type III Known Y Urs. Min.
" " RS Ursae Maj.
~~Type III~~
" "

Objects of Interest on Northern Spectrum Plates

	No	Plate No	V	H	Object	DM No		R.A.		Dec.		Magn.	
1907 March 9	6298	33893			✓ Md ?	+30	2290	12	25.7	+30	22	9.5	
〃 12	6298a	〃			✓ Mt 5c	(Cat. 1855)		12	23	+32.3			
〃 〃	6299	34013			✓ Mt	+9	3153	16	1.6	+9	1	7.5	✓
〃 〃	6300	〃			✓ Md 5	+10	2956	16	0.4	+10	20	9.3	✓
〃 〃	6301	〃			✓ Ma	+10	2949	15	57.1	+10	24	8.7	✓
〃 〃	6302	〃			✓ Br. lines	+12	2966	16	4.9	+12	27	9.0	✓
〃 〃	6303	34058			✓ Ma	+12	2753	14	44.1	+12	46	8.0	
〃 〃	6304	〃			✓ Ma	+19	2896	14	52.8	+19	28	9.5	
〃 〃	6305	34120			~~Na~~ - - Too ft.	−15	4338	16	25.4	−15	49	var.	
〃 〃	6306	〃			✓ Na	−12	4510	16	18.7	−12	6	var.	
〃 〃	6307	34506			✓ Mt	+8	2314	9	56.5	+8	32	8.8	
〃 〃	6308	34507			✓ Ma	+12	2307	11	3.0	+12	5	7.0	
〃 〃	6309	〃			✓ Mc?	+15° ~~+15~~	2334 ~~2335~~	11 ~~11~~	20.3 ~~20.4~~	+15 ~~+15~~	57 ~~38~~	9.3 ~~9.0~~	
〃 12	6310	30983			✓ Br. lines	+35	4001	20	4.8	+35	45	8.5	
〃 〃	6311	〃			✓ 〃	+35	4013	20	6.5	+35	46	8.0	
〃 〃	6312	〃			✓ 〃	+36	3956	20	9.1	+36	13	8.0	
〃 〃	6313	〃			✓ 〃	+36	3987	20	11.6	+36	59	8.1	
〃 〃	6314	〃			✓ 〃	+37	3821	20	6.8	+37	55	7.1	
〃 〃	6315	〃			✓ Na	+38	3957	20	8.1	+38	17	8.2	
〃 〃	6316	34508			✓ Ma	+12	2448	12	12.5	+12	24	8.1	
〃 〃	6317	34509			✓ Mt 5-c	+9	2785	13	28.6	+9	2	7.3	
〃 〃	6318	34512			✓ Md 8	−3	353	2	12.0	−3	38	var	
〃 〃	6319	〃			✓ Ma	+1	417	2	14.8	+1	48	8.5	
〃 〃	6320	34513			✓ Ma	+24	330	2	7.9	+24	23	var.	
〃 〃	6321	〃			✓ Ma	+18	277	2	2.6	+18	49	6.0	
〃 12	6322	34503			✓ Mt	−5	2550	8	22.5	−5	50	8.4	
〃 19	6323	34550			✓ Mt 5-c	+38	3445	19	3.3	+38	56	6.9	
〃 〃	6324	〃			✓ Br. line	+32	3246	18	48.2	+32	51	9.0	
〃 〃	6325	34563			✓ Ma	+52	1204	7	13.5	+52	40	9.1	
〃 〃	6326	〃			✓ Mt	+55	1201	7	17.3	+55	27	9.1	

Suf. may be defect. Not confirmed see cover I 33893.
Y Can. Vent.
Type III

" " U Serpentis

" "

Gas. neb. Known found on I 34060 in Oct. 1906
Type III

" ~~IV~~ $\overset{\tau}{X}$ Ophiuchi. Too ft.
" IV V Ophiuchi Known
" III

" "

" "

" ✓ Known
" ✓ Known
O' " ✓ Known
" ✓ Known
" ✓ Known
" IV Var. ~~?~~ RS Cygni.
" III
" " Var. ? Not confirmed see cover I 34509
" " o Ceti

" "

" " R Arietis.

" "

" "

" "
Gas. Neb. Known. Ring neb. in Lyrae.
Type III

" "

Objects of Interest on Northern Spectrum Plates

	No	No Plate	V.	H.	Object.	DM No	RA.	Dec.	Magn.	
1907 March 19	6327	34563			√M d?	+55 1178	7 2.6	+55 58	9.0	
" "	6328	"			√M ~~c5d~~ b5c	+56 1205	7 10.3	+56 4	8.7	
" "	6329	"			√Ma	+57 1053	7 3.1	+57 38	7.5	
" "	6330	"			√Mc	+58 1021	7 7.2	+58 43	9.4	
" "	6331	34564			√Mf	+57 1214	9 11.0	+57 19	5.8	
" "	6332	34566			√Ma	+52 1541	11 0.9	+52 10	7.2	
" "	6333	"			√Ma	+53 1444	10 48.0	+53 55	8.5	
" "	6334	"			√Ma	+54 1414	10 57.4	+54 38	7.1	
" "	6335	34584			√Mf	~~+60~~ 53 1703	14 11.1	+53 36	8.7	
" "	6336	34583			√Mc5d	+56 1615	12 33.7	+56 38	8.2	
" "	6337	"			√Mc	+60 1406	12 29.8	+60 17	var.	
" "	6338	34569			√Ma	+65 ~~903~~ 904	~~12 42.9~~ 12 43.6	~~+65 32~~ +65 27	~~8.0~~ 9.4	
" "	6339	"			√Ma	+65 92~~7~~ 6	~~+2~~13 ~~15.3~~ 14.8	+65 ~~51~~ 57	~~8.0~~ 9.0	
" "	6340	"			√Pec.	+66 780	12 50.7	+66 47	7.3	
" "	6341	32521			√Ma	+4 2669	12 48.3	+4 11	3.0	
" "	6342	"			√Mc5d	+5 2708	12 55.3	+5 58	8.6	
(Sept. 30 also) " 20	6343	32523			√Ma	+41 2519	14 35.6	+41 11	8.0	✓
" "	6344	32544			√Ma	+7 324	1 58.6	+7 33	7.0	
" "	6345	"			√Ma	+8 292	1 46.7	+8 4	7.0	
" "	6346	"			√Ma	+9 266	1 57.7	+9 22	7.5	
" "	6347	"			√Pec.	+11 305	~~1~~ 2 ~~57~~ 7.2	~~+11.8~~ +11 34	8.9	
" "	6348	"			√Md4	(Est. 1855)	1 57	+11.8		
" "	6349	"			√Ma	+12 271	1 54.8	+12 47	6.5	
" "	6350	32550			√Na	−12 3218	10 30.4	−12 38	var.	
" "	6351	32728			√Ma	+39 822	3 26.4	+39 6	8.7	
" "	6352	"			√Ma	+42 729	3 6.7	+42 14	9.5	
" "	6353	"			√Mf	+43 749	3 23.1	+42 16	9.0	
" "	6354	34565			√Ma	+52 1446	9 52.4	+52 32	8.9	
" "	6355	"			√Pec.	(Est. 1855)	9 41.3	+53 ~~3~~ 19		

Type III Val.? may not be the cat. star Not confirmed see cover I 34563

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"   "   Val.? Y Urs. Maj.

"   "   T Urs. Maj.

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Val.? Known

Type III

"   "   Val.? RT Virginis

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Val.? New ~~to be~~ Entered in Cir 132 - as suspected showing var. of about 0.6 mag.

Type III S Arietis.

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"   IV U Hydrae

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Announced 1900 pos 9 41.4 + 53 7 20   "   IV? Val? Hγ Br.? Not in BD 9h 41.6m 8 + 53° 15 19 New Dark Bands - var. not confirmed see cover

Objects of Interest on Northern Spectrum Plates

1907	No	Plate No.	&	H.	Object	D.M. No.		R.A.		Dec.		Magn.	
M March 20	6356	34565			✓ Mt	+54	1327	9	34.1	+54	26	9.0	
"	" 6357	"			✓ Ma	+57	1222	9	24.2	+57	13	8.8	
"	" 6358	"			✓ Mt	+57	1231	9	36.2	+57	47	5.0	
"	" 6359	"			✓ Mt	+57	1238	9	48.6	+57	53	9.2	
"	" 6360	"			✓ Ma	+59	1249	9	28.4	+59	11	7.3	
"	" 6361	34575			✓ Mt	+57	1214	9	11.0	+57	19	5.8	
"	" 6362	"			✓ Ma	+57	1231	9	36.2	+57	47	5.0	
"	21 6363	32597			✓ Mdg	+67	1291	21	7.6	+67	54	var.	
"	" 6364	32558			✓ Ma	−10	2688	8	47.7	−10	49	6.8	
"	" 6365	"			✓ Ma	−10	2635	8	39.2	−10	18	6.9	
"	" 6366	32566			✓ Mt5c	−5	3424	11	59.8	−5	57	7.0	
"	" 6367	"			✓ Es5K	−4	3199	11	57.3	−4	58	8.7	
"	" 6368	32729			✓ Nȧ	+42	1571	6	24.4	+42	36	9.3	
"	" 6369	"			✓ Ma	+43	1420	5	52.4	+43	30	8.8	1
"	" 6370	"			✓ Ma	+44	1377	5	59.6	+44	40	9.2	
"	" 6371	"			✓ Mt	+45	1288	6	10.7	+45	10	8.2	
"	" 6372	"			✓ Mc	+45	1324	6	24.9	+45	44	8.7	
"	" 6373	"			✓ Ma	+47	1311	6	22.4	+47	19	8.0	
"	" 6374	"			✓ Ma	(Est. 1855)		6	22.2	+47	39		
"	" 6375	"			✓ Ma	+51	1185	6	13.0	+51	9	7.0	
"	" 6376	"			✓ Mt	+51	1220	6	26.7	+51	19	8.0	
"	" 6377	"			✓ Ma	+51	1197	6	19.1	+51	52	9.0	
"	" 6378	32757			✓ Ma	+27	1295	6	51.8	+27	34	9.0	1
"	" 6379	"			✓ Ma	+28	1331	7	2.6	+28	26	9.1	
"	" 6380	"			✓ Na?	+31	1388	6	32.8	+31	35	8.1	
"	" 6381	"			✓ Md?	(Est. 1855)		7	3.3	+31.2'			
	6381a	"			✓ Na?	(Est. 1855)		7	37.9	+31.0			
"	23 6382	32756			✓ Nä	+28	707	4	42.4	+28	16	8.1	
"	27 6383	32554			✓ Ma	−6	1527	6	16.2	−6	21	9.0	
"	" 6384	"			✓ Ma	−2	1613	6	19.8	−2	59	9.0	

Type III

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T Cephei

Type III

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" " R S Virginis.

" II RX Virginis.

Type IV Var.? Known RV Aurigae

" III

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" " Var. ? Found in March 1907 on I 34502

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" " Chart pl. B 35220 used for ident.

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" IV Var ? Known Known

" III Var, ? Not confirmed on 17 chart plates exam. by Mr. F. See Book 17 p.170

" IV ? Var? Not confirmed on 17 chart plates exam. by Mr. F. See Book 17 p.170

" IV Var ? Known

" III

Objects of Interest on Northern Spectrum Plates.

	No	No. Plate.	Q.	H.	Object.	D.M. No.		R.A.		Dec		Magn.
1907 March 27	6385	32554			√ Md7	−2	1581	6	15.4	−2	8	var.
" "	6386	32760			√ Mc5d	−6	3469	11	45.3	−6	48	9.2
" "	6387	"			√ Mf	−5	3424	11	59.8	−5	57	7.0
" "	6388	"			√ Ma	−5	3416	11	58.2	−5	2	6.7
" "	6389	"			√ G	−4	3199	11	57.3	−4	58	8.7
" "	6390	"			√ Ma	−2	3446	11	51.8	−2	31	7.3
April 6	6391	32598			√ Br. line	+45	1129	5	20.9	+45	22	8.9
" "	6392	"			Ghost	(Est. 1855)		5	8	+47		
" 29	6393	34625			√ Ma	+55	2257	19	41.8	+55	29	7.5
" "	6394	"			√ Mf	+55	2245	19	38.9	+55	7	6.8
" "	6395	"			√ Ma	+54	2187	19	34.3	+55	38	7.5
" "	6396	"			√ Ma	+54	2140	19	21.6	+54	9	8.5
" "	6397	"			√ Br. lines	+50	2869	19	40.9	+50	11	8.3
" "	6398	"			√ Pec?	+49	3064	19	32.9	+49	53	var.
" "	6399	"			√ Mc	+49	2999	19	20.7	+49	57	7.5
" "	6400	"			√ Mf	+48	2914	19	29.7	+48	56	6.5
" 30	6401	34620			√ Na?	−22	1850	7	17.5	−22	42	9.1
" "	6402	"			√ Ma	−21	2077	7	35.2	−21	60	6.8
" "	6403	"			√ Ma	−21	2115	7	40.2	−21	11	8.0
" "	6404	"			√ Ma	−20	1889	7	16.1	−20	14	7.8
" "	6405	34621			√ Ma	+42	2108	10	8.6	+42	11	6.8
" 11	6406	34611			√ Md7	+31	2725	15	15.5	+31	53	var.
May 2	6407	34568			√ Ma	+57	1373	12	18.1	+57	34	6.4
" "	6408	"			√ Ma	+59	1423	12	2.3	+59	12	9.0
" "	6409	"			√ Mcod	+60	1406	12	29.8	+60	17	var.
" "	6410	"			√ Ma	+61	1291	12	12.0	+61	32	9.2
" "	6411	"			√ Mf	+62	1224	12	13.5	+62	7	7.4
" 13	6412	C16826			√ Ma	+27	2413	14	37.0	+27	9	5.8 (var.
	6413	C16836			√ Mf	+39	2193	8	54.5	+39	18	7.0
April?	6413ª	I 34630			√ Md7	+32	3593	19	45.0	+32	33	var.

Type III

" " Var.? Known

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" II R X Virginis

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Var.? Not confirmed see cover I 32598

Type III

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Known Gas neb.

Med? R Cygni.

Type IV. ? New Var. ?

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" " Var.? S Coronae.

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" " Var. T Urs. Maj.

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on new chart. W Böotis, proved to not be variable.) ..

Var. χ Cygni

Objects of Interest on Northern Spectrum Plates

		No	No Plate	V	H	Object	DM No.	R.A.	Dec	Magn.
9.	1907 July 12	6414	34494			√ Ma	+68 627	10 35.0	+68 10	6.2
	" "	6415	"			√ Md8	+69 587	10 34.3	+69 32	var.
	" "	6416	"			√ Ma	+70 625	10 38.0	+70 36	8.2
	" "	6417	"			√ Mf	+70 641	10 49.1	+70 46	7.1
	" "	6418	34656			√ Ma	+1 3102	15 28.7	+1 29	9.3
	" "	6419	"			√ Ma	+1 3098	15 27.7	+1 13	9.5
Cy	" "	6420	"			√ Ma	*-1 3066	15 24.9	-1 17	8.5
	" "	6421	34657			√ Ma	+0 3583	16 41.9	+0 11	8.4
	" "	6422	"			√ Cont.	-~~0~~1 3245	16 39.7	-~~2~~1 42	neb. ^
	" "	6423	"			√ Mf	-2 4242	16 37.6	-2 49	6.9
	" "	6424	"			√ Cont.	-3 4031	16 49.5	-3 52	neb.
	Aug. 24	6425	34732			√ Ma	-2 4425	17 32.7	-2 4	6.2
	Sept. 5	6426	34819			√ Ma	+57 2493	22 11.1	+57 15	8.2
	" "	6427	"			√ Br. lines	+55 2721	22 13.4	+55 24	8.9
	" "	6428	"			√ Br. lines	+56 2818	22 31.2	+56 9	8.9
	" "	6429	"			√ Ma	+55 2737	22 17.7	+55 14	7.2
	" 6	6430	34818			√ Ma	+53 2297	19 40.8	+53 40	8.5
	" "	6431	"			√ Mf	+55 2245	19 38.9	+55 7	6.8
	" "	6432	"			√ Ma	+55 2257	19 41.8	+55 29	7.5
	" "	6433	"			√ Mf	+55 2248	19 40.0	+55 32	8.9
	" "	6434	"			√ Mf	+59 2149	19 53.7	+59 21	8.7
	" "	6435	34837			√ Mf	+6 4490	20 9.9	+6 38	7.6
9,	" "	6436	"			√ Mf	+7 4398	20 5.0	+7 15	7.2
	" "	6437	"			√ Mf	+7 4422	20 8.8	+7 14	8.7
	" "	6438	"			√ Ma	+7 4420	20 8.8	+7 19	8.9
	" "	6439	"			√ Ma	+8 4420	20 16.~~8~~1	+8 0	8.6
	" "	6440	"			√ Ma	+9 436~~7~~9	19 ~~53.8~~ 54.1	+9 ~~4~~ 7	8.~~5~~7
	" 19	6441	24368			√ Ma	+15 1378	6 47.9	+15 27	8.0
	" "	6442	"			√ Ma?	+16 1363	6 54.2	+16 53	6.5

Marked by Mr. King — Type IV Known

Marked by Mr. King — Var.! ~~DM +68°617~~ Known. Var. U Urs. Majoris Type III

Type III

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" " Var.? Known

Objects of Interest on Northern Spectrum Plates

1907	No	No Plate	γ	H	Object	DM No.		R.A.		Dec.		Magn.
Sept. 19	6443	24368			√ Ma	+17	1461	6	50.2	+17	40	8.8 ∧
"	6444	"			√ Ma	+17	1441	6	46.2	+17	52	8.4
"	6445	"			√ Ma t	+17	1479	6	54.0	+17	57	6.0
"	6446	"			√ M~~L~~a	+18	1359	6	40.7	+18	21	8.9 ∧
"	6447	"			√ Md²	near ~~(+19 1580)~~	(1855)	6	53.~~8~~4	+19	~~6~~35	∧
"	6448	"			√ Md?	+18	1409	6	47.7	+18	50	9.5
" 24	6449	34846			√ ML	+14	3207	17	8.0	+14	34	var.
"	6450	34847			√ Ma	+17	3201	17	8.7	+17	58	7.0
"	6451	"			√ Ma	+16	3163	17	15.1	+17	53	6.5
" 23	6452	34854			√ Na	−16	5360	19	26.0	−16	41	7.2
"	6453	"			√ Na	−16	5272	19	10.9	−16	10	6.8
"	6454	"			√ Br. lines	−14	5523	19	35.8	−14	30	neb.
"	6455	"			√ Ma	−17	5588	19	12.2	−17	18	8.1
"	6456	"			√ Ma	−17	5746	19	38.8	−17	26	7.0
Oct. 5	6457	34805			√ Ma	+34	3834	19	55.1	+34	54	9.5
"	6458	"			√ Br. lines	+35	~~4000~~ 4001	~~20~~ 20	~~4.8~~ 4.8	~~+35~~ +35	~~46~~ 45	~~9.0~~ 8.5
"	6459	"			√ Br. lines	+35	4013	20	6.5	+35	46	8.0
"	6460	"			√ Br. lines	+36	3956	20	9.1	+36	13	8.0
"	6461	"			√ Br. lines	+36	3987	20	11.6	+36	59	8.1
"	6462	"			√ Br. lines	+37	3821	20	6.8	+37	55	7.1
"	6463	"			√ Br. lines	+36	4028	20	16.1	+36	28	9.5
"	6464	"			√ Br. lines	+38	4010	20	14.2	+38	17	8.7
"	6465	"			√ ML	+37	3636	19	45.6	+37	28	7.0
"	6466	34871			√ ML	+5	3234	16	29.6	+5	19	8.7
"	6467	34881			√ Ma	+74	953	22	5.4	+74	1	7.8
"	6468	"			√ ML	+78	762	2~~2~~1	47.5	+78	21	7.8
"	6469	"			√ ML	+79	721	21	56.4	+79	37	6.4
"	6470	34884			√ Mcod	+47	4318	23	48.1	+47	50	8.4
"	6471	"			√ Md8	+50	4202	23	51.1	+50	35	var.

Var. ? Not confirmed See cover I 24368
Var. ? 19 Plates exam. by Mrs. F. show no evidence of variability See Note on cover I 24368

Type IV Known Type IV vars. Marked at Lab. by E. S. King
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Gas. Neb. ~~new~~ ? Known
Type III
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Var. ? Known R S Androm.
Var. ? Type III Known. R Cass.

Objects of Interest on Northern Spectrum Plates.

1907	No	No Plate	V	H	Object	D.M. No		R.A.		Dec		Magn.
Oct. 5	6472	34884			✓ Pec.	+53	66	0	16.7	+53	29	9.3
.. ..	6473	34885			✓ Mt	+52	241	0	54.7	+52	22	7.5
.. ..	6474	..			✓ Mt	+55	224	0	52.3	+55	50	9.1
.. ..	6475	..			✓ Ma	+56	223	1	4.3	+56	49	8.0
.. ..	6476	..			✓ Mt	+57	237	1	9.2	+57	2	7.0
.. ..	6477	..			✓ Mt	+58	127 (?)	0	43.8	+58	56	8.8
.. ..	6478	..			✓ Pec. Bl. lines	(Est. 1855)		0	56.5	+59	38	
.. ..	6479	34886			✓ Md 6	(Est. 1855)		6	21.2	+64	2	10
.. ..	6480	..			✓ Mt o-c	+61	915	6	40.4	+61	12	8.0
.. 10	6481	34894			✓ Bl. lines	~~+35~~ +35	~~4000~~ 4001	~~20~~ 20	~~4.8~~ 4.8	~~+35~~ +35	~~46~~ 45	~~9.0~~ 8.5
.. ..	6482	..			✓ Bl. lines	+35	4013	20	6.5	+35	46	8.0
.. ..	6483	..			✓ Bl. lines	+36	3956	20	9.1	+36	13	8.0
.. ..	6484	..			Bl. lines	+36	4028	20	16.1	+36	28	9.5
.. ..	6485	..			✓ Mt	+37	3946	20	23.0	+37	19	8.4
.. ..	6486	..			✓ Bl. lines	+3~~8~~7	3821	20	6.8	+3~~8~~7	55	7.1
.. ..	6487	..			✓ Bl. lines	+38	4010	20	14.2	+38	17	8.7
.. ..	6488	..			✓ Bl. lines	(Announced 1900 pos. ~~Est. 1855~~)		20	~~23.~~ 24.8	+38	17	
.. ..	6489	..			✓ Ma	+39	4261	20	32.9	+39	11	9.0
.. ..	6490	..			✓ Mt o-c	+39	4223	20	26.3	+39	23	9.2
.. ..	6491	..			✓ Ma	+39	4302	20	39.6	+39	53	8.8
.. ..	6492	..			✓ Bl. lines	+43	3571	20	15.6	+43	24	7.5
.. ..	6493	34900			✓ Bl. lines	+35	~~4000~~ 4001	~~20~~ 20	~~4.8~~ 4.8	~~+35~~ +35	~~46~~ 45	~~9.0~~ 8.5
.. ..	6494	..			✓ Bl. lines	+35	4013	20	6.5	+35	46	8.0
.. ..	6495	..			✓ Bl. lines	+36	3956	20	9.1	+36	13	8.0
.. ..	6496	..			✓ Bl. lines	+36	3987	20	11.6	+36	59	8.1
.. ..	6497	..			✓ Bl. lines	+37	3821	20	6.8	+37	55	7.1
.. ..	6498	..			✓ Bl. lines	+38	4010	20	14.2	+38	17	8.7
.. ..	6499	..			✓ Bl. lines	(Announced 1900 pos. ~~Est. 1855~~)		20	~~23~~ 24.7	+38	17	
.. ..	6500	..			✓ Mt	+40	4065	20	8.1	+40	23	9.4

Val.? Type IV? Known as Type IV Later var. not confirmed See cover 3488
„Announced as Type VI Cir 145

Type III

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" V ? New Announced 1900 pos. 0 59.2 +59 53

" III Val. RT Camelopard.

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Objects of Interest on Northern Spectrum Plates.

1907	No	No Plate	V	H	Object	D.M. No.		R.A.		Dec		Magn.
Oct. 10	6501	34901			√ Br. lines	+66	1066	17	58.6	+66	38	neb.
.. ..	6502	..			√ Ma	+67	1025	17	34.8	+67	1	8.7
.. ..	6503	..			√ Ma	+63	1407	18	6.7	+63	38	9.1
.. 24	6504	34909			√ Ma	+35	3614	19	20.7	+35	54	8.0
.. ..	6505	..			√ Ma	+36	3439	19	7.1	+36	23	7.8
.. ..	6506	..			√ Mb	+37	3403	19	12.5	+37	21	8.0
.. ..	6507	..			√ Mb	+38	3445	19	3.3	+38	56	6.9
.. ..	6508	..			√ Ma	+39	3630	18	59.2	+39	54	7.5
.. ..	6509	..			√ Ma	+40	3555	18	55.6	+40	29	6.9
.. ..	6510	..			√ Ma	+40	3593	19	1.8	+40	31	9.0
.. ..	6511	..			√ Ma	+40	3624	19	7.6	+40	60	7.2
.. ..	6512	..			√ Ma	+41	3333	19	18.8	+41	0	8.6
.. ..	6513	..			√ Ma	+41	3225	19	0.2	+41	12	8.3
.. ..	6514	..			√ Ma	+41	3200	18	54.7	+41	26	8.0
.. ..	6515	..			√ Ma	+42	3189	18	49.9	+42	21	8.5
.. ..	6516	34917			√ Ma	+11	4168	20	4.8	+11	18	8.9
..	6517	..			√ Ma	+12	4241	20	3.5	+12	18	8.5
Nov. 13	6517a	..			√ Bgr. lines	+12	4266	20	8.3	+12	16	9.5
Oct 1907	6518	..			√ Ma	+12	4229	20	0.3	+12	55	7.2
.. ..	6519	..			√ Mb	+14	4212	20	4.5	+14	23	9.4
.. ..	6520	..			√ Ma	+14	4213	20	4.6	+14	37	8.6
.. ..	6521	..			√ Ma	+14	4179	20	0.5	+14	52	8.0
.. ..	6522	..			√ Ma	+15	4029	19	56.4	+15	4	8.5
.. ..	6523	..			√ Ma	+15	4040	19	58.8	+15	6	6.0
.. ..	6524	..			√ Pec. Br. lines	(Est.	1855)	20	13.	+16.3		
.. ..	6525	..			√ Ma	+16	4132	19	58.7	+16	54	9.4
.. ..	6526	..			√ Ma	+16	4165	20	3.0	+16	60	8.0
.. ..	6527	..			√ Mb	+17	4272	20	10.0	+17	8	8.6
.. ..	6528	34919			√ Ma	+27	3412	19	25.0	+27	17	8.9
.. ..	6529	..			√ Ma	+27	3414.	19	25.3	+27	28	9.0

Known Gas neb.

Type III

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Gas. "Neb." known
Type III

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Gas. Neb. Known
Type III

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Objects of Interest on Northern Spectrum Plates.

1907	No	Plate No.	V	Ho	Object.	D.M. No.	R.A.	Dec.	Magn.
Oct. 24	6530	34919			√Pec. Bl. lines	(Est. 1855)	19 40.$\overset{4}{3}$	+27 ~~8~~ 55	
"	" 6531	"			√ Ma	+28 3356	19 23.4	+28 30	9.3
"	" 6532	"			√ Ma	+29 3729	19 39.8	+29 40	9.3
"	" 6533	"			√ Ma	+29 3730	19 40.0	+29 54	8.3
"	" 6534	"			Pec. Bl. lines	+30 3639	19 29.1	+30 13	9.3
"	" 6535	"			√ Ma	+30 3603	19 25.0	+30 17	7.5
"	" 6536	"			√ Mt	+31 3643	19 26.2	+31 33	8.2
"	" 6537	34927			√ Mc	+47 2291	15 58.3	+47 38	6.6
" 25	6538	34908			√Md? ~~near~~	Est.(1855) ~~+21 3571~~	18 44.6 ~~18 44.5~~	+21 43 ~~+21 42~~	~~8.9~~
"	" 6539	34914			√Md 5	-19 5367	19 8.2	* -19 34	var.
"	" 6540	"			√ Na	-16 5272	19 10.9	-16 10	6.8
"	" 6541	34916			√Ma	C.D.M. -32 15071	19 12.4	-32 2	6.9
"	" 6542	"			√Ma	-32 15110	19 14.4	-32 10	7.3
"	" 6543	34921			√Md	C.D.M. -24 15190	19 10.1	-24 9	9.1
"	" 6544	"			√Md 6	-19 5367	19 8.2	-19 34	var.
"	" 6544a	"			√Mt 5c	-19 5388	19 9.8	-19 37	8.5
Nov. 5	6545	34922			√ Ma	+9 3866	18 40.0	+9 16	7.8
"	" 6546	"			√ Mt	+9 3809	18 33.1	+9 51	8.0
" 6	6547	34865			√ Mt	+27 7	0 3.0	+27 51	7.9
" 13	6548	34981			√ Mt 5-c	+7 4398	20 5.0	+7 15	7.2
"	" 6549	"			√Mc 5d	+7 4422	20 8.8	+7 14	8.7
"	" 6550	"			√ Mt	+8 4420	20 16.1	+8 0	8.6
"	" 6551	"			√ Ma	+8 4369	20 4.3	+8 18	7.5
"	" 6552	"			√ Na	+9 4369	~~20~~ 19 54.1	+9 7	8.7
"	" 6553	"			√Pec. Bl. lines	+12 4266	20 8.3	+12 16	9.5
"	" 6554	"			√ Mt	+12 4268	20 8.6	+12 38	9.2
"	" 6554a	"			√Ma.	+14 4148	19 55.8	+14 50	9.0
"	" 6555 ~~655~~	"			Bl. lines	(Est. 1855)	20 13	+16	
"	" 6556	"			√ Mc	+16 4237	20 15.8	+16 28	8.0
"	" 6557	34975			√ Md 7	-3 353	2 12.0	-3 38	var.
"	" 6558	34979			√ Ma	+29 3326	18 37.4	+29 40	8.7

Type V λ Known Type V
" III
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Var.? Nova? Known Type V
Type III
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" " Var. λ Known X Herculis
+21° 3571 is south preceding " " Var.? Slight if any evidence of variation
" " Var. λ Known R Sagitt
" IV Var. λ Known
" III
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" " Var. New.
" " R Sagittarii

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" " Var.? May be slight change see cover I 34981
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" IV Known Var. λ Known
Gas. Neb. Known
Type III
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" " Gas. Neb. Known
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" " o Ceti.
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Objects of Interest on Northern Spectrum Plates

1907.	No	Plate No	V	H	Object.	D.M.No		R.A.	Dec.	Magn.
Nov. 13	6559	I34982			√ Md?	(Est 1855)		22 50.4	+2.639	
"	" 6~~6~~560	"			√ Mb	+4	4975	23 3.9	+4 13	7.1
"	" 6~~6~~561	"			√ Ma	+5	5095	22 44.2	+5 1	8.6
"	" 6~~6~~562	"			√ Ma	+5	5094	22 44.2	+5 51	8.7
"	" 6~~6~~563	"			√ Md10	+9	5158	22 59.4	+9 46	var.
"	" 6~~6~~564	I34988			√ Ma	+60	1688	16 32.9	+60 46	7.0
"	" 6~~6~~565	"			√ Ma	+61	1607	16 41.~~9~~8	+61 6	8.5 1
"	" 6~~6~~566	"			√ Ma	+60	1710	16 50.0	+60 44	8.3
"	" 6~~6~~567	"			√ Mcod?	+64	1176	17 7.6	+64 31	9.2
"	14 6~~6~~568	I34989			√ Pec. Br. lines	-11	5511	20 56.3	-11 56	neb.
"	" 6~~6~~569	"			√ Ma	-9	5700	21 8.5	-9 49	7.0
"	" 6~~6~~570	"			√ Ma	-6	5731	21 10.5	-6 45	8.9
"	" 6~~6~~571	"			√ Ma	-6	5745	21 15.3	-6 51	8.3
"	" 6~~6~~572	I34990			√ Mb	+22	4364	21 12.7	+22 52	8.2
"	" 6~~6~~573	"			√ Mc	+23	4224	20 57.1	+23 25	7.5
"	" 6~~6~~574	"			√ Ma	+23	4222	20 56.8	+23 53	7.5
"	" 6~~6~~575	"			√ Pec.	+26	4091	21 3.7	+26 2	8.0
"	" 6~~6~~576	I34995			√ Ma	+57	1600	15 35.6	+57 56	7.0
"	" 6~~6~~577	"			√ Ma	+60	1665	16 14.8	+60 5	5.5
"	" 6~~6~~578	"			√ Ma	+60	1653	16 2.3	+60 26	7.0
"	" 6~~6~~579	"			√ Mb 5c	+61	1539	15 46.2	+61 52	8.6
"	" 6~~6~~580	"			√ Mb 5c	+62	1459	16 6.2	+62 37	8.3
"	" 6~~6~~581	I34996			√ Ma	+60	1786	17 50.0	+60 6	9.1
"	" 6~~6~~582	"			√ Ma	Est. 1855		17 ~~38~~ 37.1	+61 ~~3~~ 18	
"	" 6~~6~~583	"			√ Pec	+66	1066	17 58.6	+66 38	neb.
"	" 6~~6~~584	I35003			√ Md4	+29	4231	20 49.0	+29 52	9.5
"	" 6~~6~~585	"			√ Ma	+31	4304	20 54.0	+31 56	7.0
"	" 6~~6~~586	"			√ Ma	+33	4134	20 57.6	+33 53	8.5
"	" 6~~6~~587	"			√ Mb 5c	+34	4246	20 56.4	+34 13	8.6

Val.? Type III ; slight if any see cover I 34982

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" " Val.? Known. R Pegasi

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" " Val.? New

Gas. Neb. Known

Type III

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" " Val? Not confirmed see cover I 34990

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36 chart plate ex-var not confirmed see cover I 6575

Val? Dark band not confirmed on I 21671.

Type III

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chart plate I 36076 used for ident.

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Bl. lines Gas Neb. Known

Type III Val.? Known UX Cygni

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Objects of Interest on Northern Spectrum Plates

1907	No	Plate No.	V	H	Object	D.M.No.		R.A.		Dec.		Magn.
Nov. 15	6~~6~~588	34971			√ Ma	+56	1868	16	6.5	+56	35	9.1
" "	6~~6~~589	"			√ Ma	+60	1665	16	14.8	+60	5	5.5
" "	6~~6~~590	"			√ Mf	+62	1459	16	6.2	+62	37	8.3
" "	6~~6~~591	34973			√ Mc5d	-11	6062	23	15.2	-11	37	9.4
" "	6~~6~~592	"			√ Ma5b	-8	6065	23	7.3	-8	29	8.0
" "	6~~6~~593	34976			√ Md3	-0	361a	2	18.6	-0	50	var.
" "	6~~6~~594	"			√ Ma	-0	350	2	12.7	-0	57	8.5
" "	6~~6~~595	"			√ Md7	-3	353	2	12.0	-3	38	var.
" "	6~~6~~596	34651			√ Ma5A b cl?	+39	2773	14	23.9	+39	30	7.5
" "	6~~6~~597	34736			√ Ma	+10	3083	16	44.2	+10	8	7.3
" "	6~~6~~598	34864			√ Ma	+24	4506	21	50.3	+24	34	7.8
" "	6~~6~~599	"			√ Mc	+27	4243	21	57.4	+27	39	7.7
" 16	6~~7~~600	34804			√ Ma	+34	3126	18	2.0	+34	50	7.5
" "	6~~7~~601	"			√ Ma	+41	2988	18	3.3	+41	42	7.0
" "	6~~7~~602	34658			√ Na?	+ 2 ~~-2~~	3336 ~~4425~~	17 ~~17~~	24.1 ~~32.7~~	+ 2 ~~-2~~	5 ~~4~~	9.0 ~~6.2~~
" "	6~~7~~603	"			√ Ma	-2 ~~+2~~	4425 ~~3336~~	17 ~~17~~	32.7 ~~24.1~~	-2 ~~+2~~	4 ~~5~~	6.2 ~~9.0~~
" "	6~~7~~604	34661			√ Mc5d	+38	2501	13	54.2	+38	35	8.9
" "	6~~7~~605	"			√ Mf	+39	2773	14	23.9	+39	30	7.5
" "	6~~7~~606	"			√ Ma	+43	2405	14	16.8	+43	51	8.1
" "	6~~7~~607	"			√ Ma	+44	2325	14	2.1	+44	32	5.3
" "	6~~7~~608	34662			√ Na	+40	2929	15	44.3	+40	1	8.5
" "	6~~7~~609	"			√ Ma	+43	25~~00~~20	15	34.6	+43	10	8.0
" "	6~~7~~610	"			√ Ma	+43	2542	15	49.8	+43	34	5.5
" "	6~~7~~611	34666			√ Ma	+0	3533	16	22.6	+0	12	8.5
" "	6~~7~~612	"			√ Mf	+5	3234	16	29.6	+5	19	8.7
" "	6~~7~~613	34667			√ Mf ~~Mb~~	-2 ~~+2~~	4482 ~~3396~~ ~~3291~~	17 ~~17~~ ~~17~~	45.5 ~~37.3~~ ~~37.3~~	-2 ~~+2~~ ~~+2~~	32 ~~40~~ ~~40~~	7.5 ~~6.5~~ ~~6.5~~
" "	6~~7~~614	"			√ Ma	+4	3530	17	43.5	+4	28	9.0
" "	6~~7~~615	"			√ Ma	+6	3532	17	40.8	+6	28	8.0
	~~6615a~~	~~"~~			~~Mb~~	~~+-2~~	~~4482~~	~~17~~	~~45.5~~	~~-2~~	~~32~~	~~7.5~~
" "	6~~7~~616	34695			√ Ma	+61	1642	17	6.8	+61	32	9.0

Type III
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" " Var. ? New
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" IV Var. ? Known R Ceti.
" III
" " Var o Ceti.
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" " Var. ? Known
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" IV Var. ? Not confirmed on spectrum plate I 35210 nor on I 35211 spectrum K on plate Class both plates See note on cover I 34658
" III
" " Var? Slight change perhaps. See cover I 34661
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" IV Var. ? Known V Cor. Borealis
" III
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Objects of Interest on Northern Spectrum Plates

1907	No	Plate No.	V	H	Object.	D.M.No.		R.A.		Dec.		Magn.
Nov. 16	6~~7~~617	34695			Mc	+58	1710	17	10.5	+58	2	9.2
" "	6~~7~~618	34803			√Ma	+28	2971	18	10.6	+28	8	8.1
" "	6~~7~~619	"			√Ma	+31	3199	18	6.4	+31	22	5.0
" "	6~~7~~620	34654			√Ma	+2	2560	12	31.0	+2	40	6.0
" "	6~~7~~621	"			√Ma	−1	2674	12	21.7	−1	37	7.7
" "	6~~7~~622	"			√Ma	−3	3304	12	21.7	−3	18	8.8
" "	6~~7~~623	34655			√Ma	−0	2867	14	37.7	−0	48	6.0
" "	6~~7~~624	"			√Ma	−1	2951	14	17.1	−1	40	7.5
" "	6~~7~~625	"			√Ma	−2	3873	14	30.9	−2	59	7.0
" "	6~~7~~626	34781			√Ma	+12	2796	15	3.6	+12	13	6.5
" "	6~~7~~627	"			√Md8	+14	2864	15	14.9	+14	49	var.
" "	6~~7~~628	34782			√Ma	+22	2801	15	5.6	+22	53	6.8
" "	6~~7~~629	"			√Ma	+19	2937	15	6.2	+19	38	7.4
" "	6~~7~~630	"			√Ma	+19	2935	15	5.5	+19	32	5.9
" "	6~~7~~631	34802			√Ma	+2	3547	18	8.8	+2	21	6.3
" "	6~~7~~632	"			√Ma	+6	3627	18	0.3	+6	32	7.5
" "	6~~7~~633	"			√Br. lines	+6	3649	18	5.1	+6	49	8.5
" "	6~~7~~6[illegible]	34823			√Pec.	+30	3639	19	29.1	+30	13	9.3
" "	6~~7~~635	"			√Ma	+30	3497	19	11.2	+30	53	8.0
" "	6~~7~~636	"			√Ma	+31	3687	19	31.6	+31	35	7.8
" "	6~~7~~637	"			√Na	+32	3522	19	35.4	+32	17	8.0
" "	6~~7~~638	"			√Ma	+33	3507	19	29.5	+33	29	7.5
" "	6~~7~~639	34820			√Ma	+52	3440	23	18.9	+52	12	7.0
" "	6~~7~~640	"			√Ma	+55	2939	23	13.0	+55	7	9.4
" "	6~~7~~641	"			√Ma	+55	3011	23	37.8	+55	40	8.6
" "	6~~7~~642	"			√Ma	+58	2602	23	23.5	+58	37	8.~~5~~4
" "	6~~7~~643	"			√Mc	+58	2560	23	5.5	+58	54	9.5
" "	6~~7~~644	"			√Pec. Br. line	+59	2683	23	8.9	+59	40	9.0
" "	6~~7~~645	34822			√Ma	+28	2971	18	10.6	+28	8	8.1

Type III Var.? New

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" " Var.? Known S Serpentis

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Gas. Let. Known (marked by E.S.L.)

Br. lines Known as [illegible] var.? no evidence of variation found on 21 chart plates examined by Mrs. F. See Book 17 p. 179

Type III

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" IV Known Var.? TT Cygni

" III

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" " = V Cassiop.

" V Known

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Objects of Interest on Northern Spectrum Plates

1907	No	No. Plate	V	Hb	Object	D.M. No.		R.A.		Dec.		Magn.
Nov. 16	6~~7~~646	34822			√ Ma	+33	2996	17	52.1	+33	49	8.5
" "	6~~7~~647	"			√ Ma	+34	3126	18	2.0	+34	50	7.5
" 18	6~~7~~648	34814			√ Ma	+21	4501	21	8.0	+21	37	7.3
" "	6~~7~~649	"			√ "	+25	4513	21	14.2	+25	38	7.7
" "	6~~7~~650	34924			√ Ma	+43	3117	18	50.9	+43	46	var
" "	6~~7~~651	"			√ Mb	+45	2913	19	25.9	+45	51	7.0
" "	6~~7~~652	"			√ Ma	+48	2875	19	15.5	+48	42	7.6
" "	6~~7~~653	"			√ Mb	+49	2999	19	20.7	+49	57	7.5
" "	6~~7~~654	34806			√ Ma	+31	4645	22	3.8	+31	35	7.1
" "	6~~7~~655	"			√ Mc	+34	4597	21	59.4	+34	39	8.5
" "	6~~7~~656	34808			√ Mb	+2	3547	18	8.8	+2	21	6.3
" "	6~~7~~657	"			√ Ma	+3	3612	18	2.6	+3	11	8.0
" "	6~~7~~658	"			√ Pec. Bl. lines	+6	3649	18	5.1	+6	49	8.5
" "	6~~7~~659	34810			√ Ma	+2	3547	18	8.8	+2	21	6.3
" 23	6~~7~~660	34627			√ Ma	-10	2688	8	47.7	-10	49	6.8
" "	6~~7~~661	"			√ Mb	-10	2635	8	39.2	-10	18	6.9
" "	6~~7~~662	"			√ Md4	-8	2525	8	48.6	-8	36	var.
" 26	6~~7~~663	35015			√ Mb	+53	580	2	42.1	+53	25	8.9
" "	6~~7~~664	"			√ Bl. lines	56 ~~+56~~	686 ~~731~~	2 ~~2~~	30.7 ~~41.5~~	+56 ~~+56~~	6 ~~20~~	9.1 ~~9.5~~
" "	6~~7~~665	"			√ Bl. lines	+56	731	2	41.5	+56	20	9.5
" "	6~~7~~666	"			√ Pec.	+57	702	3	0.3	+57	20	7.9
" 30	6~~7~~667	35005			√ Ma	+57 (?)	1600	15	35.6	+57	56	7.0
" "	6~~7~~668	"			√ Ma	+60	1603	15	15.6	+60	3	8.1
" "	6~~7~~669	"			√ Ma	+66	890	15	6.2	+66	21	6.5
Dec. 2	6~~7~~670	35006			√ Ma	+67	914	15	41.6	+67	32	8.5
" "	6~~7~~671	35007			√ Mcsd	+74	861	20	26.4	+74	48	9.3
" "	6~~7~~672	"			√ Ma	+74	854	20	16.7	+74	58	7.8
" "	6~~7~~673	"			√ Ma	+77	761	20	11.2	+77	8	8.0
" "	6~~7~~674	"			√ Ma	+78	709	20	19.3	+78	6	9.5

Type III
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" " Var. λ Known
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Gas. Neb. Known
Type III
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" " Var. λ T Hydrae.
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" V Known
" V Known
Dark Lands (Known as Type IV.) New as Type VI
Type III
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" " Var. λ Known Found on I 32012
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Objects of Interest on Northern Spectrum Plates.

1907	No	No Plate.	V	H	Object.	DMNo		AR.		Dec		Magn
Dec. 2	6~~7~~675	35007			√ Ma	+78	762	21	47.5	+78	21	7.8
" "	6~~7~~676	"			√ Ml	+79	683	20	46.5	+79	58	9.0
" "	6~~7~~677	35010			√ Ma	−17	6836	23	45.2	−17	10	7.3
" "	6~~7~~678	"		..	√ Md4	−15	6531	23	54.7	−15	30	8.4
" "	6~~7~~679	35018			√ Ma	+75	124	2	51.3	+75	14	7.4
" "	6~~7~~680	"			√ Ml	+76	81	2	19.1	+76	4	7.0
" "	6~~7~~681	"			√ Mc	+79	110	3	27.1	+79	51	7.8
" "	6~~7~~682	"			√ Pec.	(Est.	1855)	2	35.	+81.1		
" "	6~~7~~683	"			√ Mc	+83	70	2	45.2	+83	0	9.3
" "	6~~7~~684	"			√ Ml	+84	66	3	21.6	+84	21	8.4
" 4	6~~7~~685	35023			√ Na	+32	3522	19	35.4	+32	17	8.0
" "	6~~7~~686	"			√ Ma	+33	3450	19	21.0	+33	60	8.6
" "	6~~7~~687	"			√ Md	(Est.	1855)	19	26.4	+34	4	
" "	6~~7~~688	"			√ Ma	+37	3403	19	12.5	+37	21	8.0
" "	6~~7~~689	"			√ Ma	+38	3445	19	3.3	+38	56	6.9
" "	6~~7~~690	"			√ Ma	+40	3624	19	7.6	+40	60	7.2
" "	6~~7~~691	35014			√ Ma	+14	484	2	45.7	+14	4	7.6
" "	6~~7~~692	"			√ Mcsd	+16	351	2	40.2	+16	55	8.5
" "	6~~7~~693	35017			√ Ml	+76	81	2	19.1	+76	4	7.0
" "	6~~7~~694	35019			√ Ma	+69	336	5	22.4	+69	19	9.0
" "	6~~7~~695	"			√ Ma	+62	759	5	16.5	+62	56	6.0
" 10	6~~7~~696	35031			√ Ma	+35	4840	22	29.1	+35	37	8.3
" "	6~~7~~697	"			√ Ma	+37	4554	22	16.7	+37	18	8.9
" "	6~~7~~698	"			√ Mdg	+39	4851	22	22.7	+39	34	8.8
" "	6698a				√ Ma	+39	4909	22	33.6	+39	55	7.2
" "	6~~7~~699	"			√ Ma	+42	4401	22	20.8	+42	36	9.0
" "	6~~8~~700	"			√ Ma	+42	4441	22	27.4	+42	44	7.8
" "	6~~8~~701	"			√ Ml	+42	4453	22	30.4	+42	48	8.5
" "	6~~8~~702	35037			√ Ma	+47	1237	5	52.1	+47	58	7.5
" "	6~~8~~703	35038			√ Md	+69	1058	19	35.9	+69	28	8.0

Type III
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" " Var. ? o Ceti known.
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" " "No change on 17 chart plates see cover I 35018
Var. ? may be defect. Look up another good Sp. pl.
Type III
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" IV Var. ? Known TT Cygni
" III
" III Var. ? Not confirmed see cover I 35023
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" " Var. ? T Arietis.
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" " Var. ? Known S Lacertae
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" " Var. ? "May be defect" slight if any change See I 35038

Objects of Interest on Northern Spectrum Plates.

1907	No	No Plate.	γ	He	Object.	DM No	RA	Dec.	Magn.
Dec. 10	6804	35040			✓ Ma	+14 4730	21 58.1	+14 7	6.6
" "	6805	35042			✓ Ma	-12 6579	23 45.3	-12 49	7.3
" "	6806	"			✓ Ma	-17 6836	23 45.2	-17 10	7.3
	6807	"			✓ Ma	-18 3	0 1.1	-18 23	6.2
1908 Jan. 2	6808	35074			✓ Ma	+7 80	0 30.2	+7 14	8.6
" 2	6809	35075			✓ Mb	+5 168	1 12.2	+5 25	8.7
" 13	6810	35081			✓ Mboc	+23 4442	21 53.1	+23 14	7.5
" "	6811	"			✓ Ma	+23 4406	21 43.1	+23 24	7.8
" "	6812	"			✓ Ma	+24 4502	21 48.9	+24 21	8.5
" "	6813	"			✓ Mb	+24 4506	21 50.3	+24 34	7.8
" "	6814	"			✓ Ma	+25 4636	21 46.6	+25 4	8.5
" "	6815	"			✓ Ma	+25 4658	21 54.1	+25 47	8.2
" "	6816	"			✓ Cl a	+27 4172	21 42.8	+27 27	9.3
" "	6817	"			✓ Ma	+29 4582	21 59.2	+29 12	7.6
" "	6818	35085			✓ Mb	+23 4484	22 5.2	+23 4	7.9
" "	6819	"			✓ Mboc	+23 4442	21 53.1	+23 14	7.5
" "	6820	"			✓ Ma	+24 4502	21 48.9	+24 21	8.5
" "	6821	"			✓ Ma	+24 4506	21 50.3	+24 34	7.8
" "	6822	"			✓ Mb	+25 4636	21 46.6	+25 4	8.5
" "	6823	"			✓ Ma	+25 4658	21 54.1	+25 47	8.2
" "	6824	"			✓ Ma	+28 4272	21 55.7	+28 4	8.4
" "	6825	"			✓ Ma	+29 4521	21 42.9	+29 1	9.0
" "	6826	35086			✓ Md	-3 353	2 12.0	-3 38	var.
" "	6827	"			✓ Ma	~~+~~-0 355	2 14.6	-0 16	5.5
" "	6828	"			✓ Ma	+2 353	2 8.8	+2 26	9.0
" "	6829	35091			✓ Ma	+7 2072	8 56.8	+7 1	8.8
" "	6830	"			✓ Mb	+6 2107	8 59.8	+6 54	8.5
" "	6831	"			✓ Ma	+7 2099	9 8.3	+7 8	8.3
" "	6832	35093			✓ Mb	+18 145	0 57.5	+18 25	7.3

Type III

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Objects of Interest on Northern Spectrum Plates.

	No	Plate No	V	H	Object	DM No		R.A.		Dec		Magn.	
1908 Jan. 13	6833	35093			√Ma	+19	142	0	47.6	+19	30	8.8	
" "	6834	"			√Ma	+19	135	0	42.8	+19	7	9.0	
" "	6835	"			√Mt	+14	111	0	39.0	+14	41	5.0	
" "	6836	35094			√Mt	+34	270	1	25.6	+34	52	7.2	
" "	6837	"			√Mt	+37	387	1	42.6	+37	18	6.9	
" "	6838	"			√Md5	+38	315	1	31.1	+38	36	9.3	
" "	6839	"			√Ma	+38	327	1	33.7	+38	35	8.6	
" "	6840	"			√Ma	+38	326	1	33.7	+38	42	8.3	
" "	6841	"			√Ma	+40	355	1	35.6	+40	26	9.0	
" "	6842	35095			√Na	+61	667	3	53.3	+61.	24	7.5	
" "	6843	"			√Ma	+63	557	4	48.6	+63	33	8.9	
" "	6844	"			√Ma	+64	451	4	17.3	+64	7	9.1	
" "	6845	"			√Pec	+65	422a	4	26.0	+65	51	var.	
" "	6846	"			√Na	+67	350	4	36.2	+67	54	7.0	
" 15	6847	35096			√Mt	~~++~~-0	890	5	7.2	-0	44	7.0	
" "	6848	"			√Mc	+0	944	4	59.1	+0	21	9.2	
" "	6849	"			√Na	+0	939	4	57.9	+0	58	6.0	
" "	6850	"			√Ma	+1	864	4	49.3	+1	17	8.5	
" "	6851	"			√Ma	+3	795	5	3.0	+3	49	9.3	∧
" "	6852	"			√Ma	+4	889	5	9.2	+4	30	8.7	∧
" "	6853	"			Mt	+5	786	4	53.4	+5	7	9.3	
" "	6854	"			√Mt	+6	810	4	54.0	+6	26	9.2	
" "	6855	35097			√Ma	-3	1123	5	24.1.	-3	43	8.7	
" 17	6856	35112			√Ma	+74	953	22	5.4	+74	1	7.8	
" "	6857	"			√Md?	approx	1855 pos	21	33.9	+77	17		
" "	6858	"			√Ma	+76	865	22	34.2	+76	51	8.7	
" "	6859	"			√Ma	+78	762	22	47.5	+78	21	7.8	
" "	6860	"			√Mt	+79	721	21	56.4	+79	37	6.4	
" 20	6861	35122			√Ma	+12	1055	6	3.7	+12	30	8.8	∧

Type III
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" IV Var.? Known Type IV Var. not confirmed See cover I ~~35095~~ Announced later. Type VI Circ. 140 33486
" III
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Var.? Known T Camelop.
Type IV Var.? Known
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" IV Var.? Known W Orionis
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" " Var.? Slight-if any See cover 35112 Better spect. plate wanted.
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Objects of Interest on Northern Spectrum Plates.

1908	No	No. Plate	V	H	Object.	D.M. No.		R.A.		Dec.		Magn.	
J Jan. 20	6~~8~~762	35123			√ Ma	+3	1824	7	44.5	+3	39	7.5	
" "	6~~8~~763	"			√ Ma	+6	1828	7	48.8	+6	47	8.2	
" "	6~~8~~764	35124			√ Br. lines	+38	4010	20	14.2	+38	17	8.7	
" "	6~~8~~765	"			√ Br. lines	+37	3821	20	6.8	+37	55	7.1	
" "	6~~8~~766	"			√ Br. lines	+36	3987	20	11.6	+36	59	8.1	
" "	6~~8~~767	"			√ Br. lines	+36	3956	20	9.1	+36	13	8.0	
" "	6~~8~~768	"			√ Br. lines	+35	4013	20	6.5	+35	46	8.0	
" "	6~~8~~769	"			√ Br. lines	+35	4001	20	4.8	+35	45	8.5	
" 22	6~~8~~770	34626			√ Ma	+45	1288	6	10.7	+45	10	8.2	
" "	6~~8~~771	"			√ Mb	+45	1324	6	24.9	+45	44	8.7	
" "	6~~8~~772	"			√ Mb	+47	1258	~~6~~5	59.4	+47	43	8.0	
" "	6~~8~~773	"			√ Ma	+48	1396	6	20.7	+48	48	9.2	
" "	6~~8~~774	"			√ Ma	+49	1527	6	29.7	+49	9	8.6	
" "	6~~8~~775	"			√ Ma	+51	1185	6	13.0	+51	9	7.0	
" 23	6~~8~~776	35070			√ Ma	+28	785	5	13.8	+28	57	8.0	
" "	6~~8~~777	"			√ Ma	+29	888	5	16.2	+29	4	8.4	^
" "	6~~8~~77~~9~~8	"			√ Ma	+29	897	5	17.9	+29	47	8.0	
" "	6~~8~~7~~80~~79	"			√ Ma	+30	902	5	18.2	+30	46	8.6	
" "	6~~8~~78~~1~~0	"			√ Ma	+32	949	5	11.2	+32	8	8.2	
" "	6~~8~~78~~2~~1	"			√ Ma	+32	996	5	19.4	+32	22	8.8	^
" "	6~~8~~78~~3~~2	"			√ Ma	+34	1011	5	12.0	+34	2	8.9	
" "	6~~8~~78~~4~~3	"			√ Ma	+35	1054	5	10.4	+35	38	7.5	
" "	6~~8~~78~~5~~4	"			√ Ma	+36	1173	5	23.1	+36	42	8.6	^
" "	6~~8~~78~~6~~5	35071			√ Ma	+51	1272	6	51.6	+51	37	8.5	^
" "	6~~8~~78~~7~~6	"			√ Ma	+52	1124	6	35.1	+52	14	9.0	^
" "	6~~8~~78~~8~~7	"			√ Ma	+54	1107	6	55.3	+54	48	9.1	^
" "	6~~8~~7~~90~~88	"			√ Md 4	+55	1154	6	49.3	+55	30	9.0	
" "	6~~8~~7~~91~~89	"			√ Ma	(Est. 1855)		7	4.0	+55	~~6~~34		
" "	6~~8~~7~~92~~90	"			√ Pec.	~~+55~~ approx 1855 pos	~~1151~~	6	~~48.8~~ 49.2	+55	~~4~~8	~~9.2~~	

Type III

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" " Var? Known R Lyncis

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Bl. lines? Not confirmed on I 35139. Prob. defect.

Objects of Interest on Northern Spectrum Plates

1908		No	No Plate.	U	H	Object.	D.M. No		R.A.		Dec.		Magn.
Jan.	23	6891	35071			√ Ma	+56	1205	7	10.3	+56	4	8.7
"	"	6892	"			√ Ma	+56	1171	6	48.0	+56	18	8.0
"	"	6893	"			√ Ma	+58	984	6	45.1	+58	29	9.0
Feb.	1	6894	35079			√ Na	+11	305	2	7.2	+11	34	8.9
"	"	6895	35131			√ Mb	+74	953	22	5.4	+74	1	7.8
"	"	6896	"			√ Mb	+76	865	22	34.2	+76	51	8.7 ?
"	"	6897	"			√ Ma	+78	762	21	47.5	+78	21	7.8
"	"	6898	"			√ Ma	+79	721	21	56.4	+79	37	6.4
"	"	6899	35080			√ Ma	+1	713	4	3.6	+1	57	8.2
"	18	6900	35150			√ Ma	+33	2156	11	40.3	+33	17	7.8
"	"	6901	"			√ Mc	+35	2265	11	27.8	+35	40	9.4
"	"	6902	"			√ Mb	+36	2216	11	38.0	+36	41	7.0
"	"	6903	"			√ Ma	+37	2230	11	47.7	+37	35	6.5
"	"	6904	"			√ Ma	+39	2466	11	36.7	+39	18	7.5
March	10	6905	34628			√ Ma	+7	2181	9	38.5	+7	22	5.8
"	"	6906	"			√ Mb	+10	2067	9	46.2	+10	57	8.0
"	"	6907	"			√ Md10	+12	2096	9	39.8	+12	6	var.
"	"	6908	34637			√ Ma	+51	2762	20	1.2	+51	53	8.5
"	"	6909	"			~~var?~~ √ Mb5c	+51	2734	~~2~~19	56.0	+51	45	7.3
"	"	6910	"			√ Ma	+51	2793	20	7.8	+51	15	8.2
"	"	6911	"			√ Br. lines	+50	2869	~~20~~19	40.9	+50	11	8.3
"	"	6912	"			√ Pec.	+49	3064	~~2~~19	32.9	+49	53	var.
"	"	6913	"			√ Mb5c	+49	3132	19	49.6	+49	13	8.1
"	"	6914	"			√ Mc5d	+49	3225	20	8.5	+49	1	8.7
"	"	6915	"			√ Pec	+47	3077	20	15.2	+47	26	8.5
"	"	6916	"			√ Br. lines?	+43	3425	19	52.5	+43	52	8.2
"	"	6917	"			√ Ma	+43	3457	19	57.0	+43	43	6.8
"	"	6918	"			√ Br. lines	+43	3571	20	15.6	+43	24	7.5
"	"	6919	34866			√ Mb	+26	2932	16	54.4	+26	28	8.2

Type III
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" IV Var.? Known
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" " Var.? Slight - if any - change see cover I 35150
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Var.? Known R Leonis
Type III
~~" IV Dec~~
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Pec. Gas. Neb.? Known
Known R Cygni
Type III
" " Var.? Known
" IV ? Pec. ~~R~~ U Cygni, Known
Pec.? Known Type IV
Type III
" V Known
Type III

Objects of Interest on Northern Spectrum Plates

	No	Plate No.	V	H	Object	DM No.	R.A.	Dec.	Magn.
1908 March 10	6920	34866			✓ Mb	+28 2662	16 59.1	+28 53	8.1
" "	6921	"			✓ Mb	+29 2951	17 4.8	+29 22	8.2
" "	6922	"			✓ Ma	+29 2906	16 51.3	+29 20	8.9
" "	6923	"			✓ Mb	+35 2911	16 58.3	+35 37	6.5
" "	6924	"			✓ Ma	+35 2904	16 56.4	+35 46	8.3
Feb. 25	6925	35072			✓ Md8	+69 587	10 34.3	+69 32	var.
March 10	6926	35101			✓ Ma	−0 355	2 14.6	−0 16	5.5
" "	6927	"			✓ Ma	−0 350	2 12.7	−0 57	8.5
" "	6928	"			✓ Md9	−3 353	2 12.0	−3 38	var.
" "	6929	35121			✓ Br. lines	+28 2477	15 42.6	+28 36	var.
" "	6930	"			✓ Mc5-d	+24 2901	15 32.1	+24 60	7.4
" "	6931	35132			✓ Mb5-c	+61 915	6 40.4	+61 12	8.0
" "	6932	"			✓ Ma	+59 1024	6 38.9	+59 27	8.5
" "	6933	"			✓ Ma	+57 1001	6 32.1	+57 3	7.2
" "	6934	"			✓ Ma	+56 1171	6 48.0	+56 18	8.0
" "	6935	"			✓ Mb	+55 1109	6 30.8	+55 36	8.5
" "	6936	35139			✓ Mb5-c	+61 915	6 40.4	+61 12	8.0
" "	6937	"			✓ Ma	+56 1171	6 48.0	+56 18	8.0
" "	6938	"			✓ Mb	+55 1109	6 30.8	+55 36	8.5
" 11	6939	35173			✓ Ma	−3 1123	5 24.1	−3 43	8.7
" "	6940	"			✓ Ma	−4 1203	5 32.1	−4 46	8.8
" "	6941	"			✓ Ma	−4 1155	5 23.9	−4 56	8.7
" "	6942	"			✓ Ma	−6 1176	5 18.9	−6 8	8.0
June 11	6943	35358			✓ Pec	+50 2869	19 40.9	+50 11	8.3
	6944	"			✓ Md4	+48 2942	19 39.5	+48 26	7.1
" "	6944a	35360			✓ Md9	+32 3593	19 45.0	+32 33	var.
" "	6945	35358			✓ Pec.	+49 3064 ~~+66 1066~~	19 32.9 ~~17 58.6~~	+49 53 ~~+66 38~~	var. ~~neb.~~
" "	6945a	35360			✓ Ka	+32 3522	19 35.4	+32 17	8.0
July 9	6946	35389			✓ Pec.	(~~Cat 1855~~)	12 39.9	+4.9	=DM+1° 2651
" 11	6947	35400			✓ Md5	+3 3656	18 9.4	+3 39	8.6
" "	6948	"			✓ Gas. Neb.	+6 3649	18 5.1	+6 49	8.5

Type III

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R Ursa. Maj.

Type III

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" " o Ceti.

Rec. Known var. R Cor. Borealis

Type III var? very slight change - See cover I 34171

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" V Br. lines (Known Rec) Nova? Gas. Neb.

" III Var. Known R. T Cygni. !

" " x Cygni.

Known R Cygni. !

Type IV Var! Known T.T. Cygni

Var! R U Virginis. announced as Type III Dark Bands Cir 145

R Y Ophiuchi

Known Gas neb. Br. line Sp. marked by E.S.K. July 9, 1908.

Objects of Interest on Northern Spectrum Plates

	No	No Plate.	V	H	Object.	D.M. No.	R.A.	Dec.	Magn
1908 Aug. 28	$6\overset{8}{9}49$	35423			√ Ma	+62 $165\overset{5}{4}$	18 50.1	+62 29	8.6
" "	$6\overset{8}{9}50$	"			√ Br. lines	+66 1066	17 58.6	+66 38	neb.
" "	$6\overset{8}{9}51$	35424			√ Mb	+46 2599	$\overset{18}{\cancel{19}}$ 56.8	+46 18	8.8
" "	$6\overset{8}{9}52$	"			√ Mc5d	+49 2999	19 20.7	+49 57	7.5
" "	$6\overset{8}{9}53$	35426			√ Ma	+55 2462	20 40.6	+55 58	6.0
" "	$6\overset{8}{9}54$	35427			√ Mb	+44 3679	20 57.3	+44 14	6.8
" "	$6\overset{8}{9}55$	"			√ Md5	+46 3108	20 50.4	+46 56	8.7
" "	$6\overset{8}{9}56$	"			√ Ma	+49 3386	20 45.1	+49 35	6.8
" "	$6\overset{8}{9}57$	35428			√ Mc5d	+31 3458	18 59.9	+31 21	9.2
" "	$6\overset{8}{9}58$	"			√ Mb	+32 3361	19 8.4	+32 18	9.2
" "	$6\overset{8}{9}59$	"			√ Mb	+32 3350	19 6.2	+32 22	8.7
" "	$6\overset{8}{9}60$	"			√ Ma	+32 3250	18 49.2	+32 54	9.0
" "	$6\overset{8}{9}61$	"			√ Br. lines	+32 3246	18 48.2	+32 51	9.0
" "	$6\overset{8}{9}62$	"			√ Ma	+35 3388	18 47.5	+35 18	7.2
" "	$6\overset{8}{9}63$	35440			√ Mc	+49 2999	19 20.7	+49 57	7.5
" "	$6\overset{8}{9}64$	"			√ Ma	+51 2548	19 13.9	+51 5	7.4
" "	$6\overset{8}{9}65$	35442			√ Br. lines	+66 1066	17 58.6	+66 38	neb.
" "	$6\overset{8}{9}66$	35446			√ Ma	+62 1655	18 50.1	+62 29	8.6
" "	$6\overset{8}{9}67$	"			√ Br. lines	+66 1066	17 58.6	+66 38	neb.
" "	$6\overset{8}{9}68$	35448			√ Ma	+11 4730	21 59.9	+11 3	7.4
" "	$6\overset{8}{9}69$	"			√ Mb	+12 4801	22 11.2	+12 52	9.0
" "	$6\overset{8}{9}70$	$3\overset{5}{8}451$			√ Pec.	−10 5057	19 15.2	−10 59	7.0
" "	$6\overset{8}{9}71$	"			√ Mb	−10 5035	19 12.4	−10 49	7.3
" "	$6\overset{8}{9}72$	"			√ Ma	−13 5344	19 17.0	−13 45	9.1
" "	$6\overset{8}{9}73$	"			√ Na	−16 5272	19 10.9	−16 10	6.8
" "	$6\overset{8}{9}74$	35438			√ Md8	+14 2864	15 14.8	+14 49	var.
" "	$6\overset{8}{9}75$	35445			√ Md8	(Est. 1855)	17 $\overset{30.9}{\cancel{34}}$	+54 4	
" "	$6\overset{8}{9}76$	"			√ Mc5d	+57 1786	17 34.6	+57 50	9.3
Sept. 9	$6\overset{8}{9}77$	35460			√ Pec.	−10 5057	19 15.2	−10 59	7.0

Type III

" " Known Gas neb.

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" " Var? Not confirmed see cover I 33542

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" " Var.? not confirmed OW 21 chart plate see cover I 35422? Image defective Class A on I 23748"

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" " Var.? Not confirmed see cover I

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Gas. Neb.? Known

Type III

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" V Known Gas Neb.

" III

" V Nova? Known Gas. Neb. DM +66° 1066

" III

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Dark bands. Known

Type III

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" IV Var.? Known

" III Var. known DM +14° 2864. S Serpentis

" " Var.? New 1900 p00 17 31.8 +54 2

" " Var. Known +57° 1786.

Dark bands Type VI Known

Objects of Interest on Northern Spectrum Plates.

	No	Plate	V	Y6	Object	D.M. No.	R.A.	Dec.	Magn.
1908 Sept. 9	6978	35467			✓Md7	(Est. 1855)	17 ~~31.~~ 309	+54 ~~7~~ N	
" "	6979	"			✓Md?	(Est. 1855)	17 56.	+56.8	
" "	6980	"			✓Mcsd	+57 1786	17 34.6	+57 50	9.3
" 10	6981	35456			✓Ma	+74 953	22 5.4	+74 1	7.8
" "	6982	"			✓Ma	+78 762	21 47.5	+78 21	7.8
" 16	6983	35473			✓Br. lines	+35 ~~4000~~ 4001	~~20 4.8~~ 20 4.8	~~+35 46~~ +35 45	~~9.0~~ 8.5
" "	6983a	35462			✓Mc	+9 3889	18 33.1	+9 51	9.0
	6983b	"			✓Pec.	+6 ~~3888~~ 3898	18 34.9	+6 41	9.8
" 29	6984	35510			✓Mf	+23 3090	17 15.6	+23 4	8.9
" "	6985	"			✓Pec.	+23 3096	17 17.1	+23 16	9.5
" "	6986	35517			✓Ma	−13 5345	19 17.0	−13 43	7.9
Oct. 9	6987	35545			✓Mf	+76 865	22 34.2	+76 51	8.7
" "	6988	"			✓Mf	+78 762	21 47.5	+78 21	7.8
" "	6989	"			✓Ma	+79 721	21 56.4	+79 37	6.4
" "	6990	35536			✓Br. line	+30 3639	19 29.1	+30 13	9.3
" "	6991	"			✓Br. line	(Est. 1855)	19 40.4	+27.9	
" "	6991a	"			✓Ma	+29 3730	19 40.0	+29 54	8.3
" "	6992	35544			✓Ma	+28 3201	19 1.6	+28 21	9.0
" "	6993	"			✓Ma	+30 3491	19 9.8	+30 16	5.8
" "	6994	"			✓Ma	+32 3338	19 4.5	+32 11	8.5
" "	6995	35554			✓Mc	+57 1786	17 34.6	+57 50	9.3
" "	6996	35560			✓Mcsd	+79 110	3 27.1	+79 51	7.8
" "	6997	"			✓Mfsc	+83 70	2 45.2	+83 0	9.3
" "	~~6998~~	~~35535~~			~~Br. line?~~				
" "	6999	35561			✓Ma	+56 1249	7 42.0	+56 19	8.9
" "	7000	"			✓Ma	+55 1221	7 35.3	+55 55	8.1
" "	7001	"			✓Ma	+54 1169	7 28.8	+54 25	8.6
" "	7002	35538			✓Ma	+55 1221	7 35.3	+55 55	8.1
" "	7003	35555			✓Br. line	(Est. 1855)	18 50.4	+29.5 30	
" "	7004	"			✓Ma	+31 3400	18 50.1	+31 1	9.0
" "	7005	"			✓Mc	+31 3458	18 59.9	+31 21	9.2
" "	7006	"			✓Mf	+32 3338	19 4.5	+32 11	8.5

Var ? Known. Found on B 35445 in Aug. 1908
Var.? Image ft. & lengths? may be due to defect. May be defect on I 35467 var. not confirmed see cover I 35467
Var?
Type III

" "

" V Known
var's. ~~may~~ III be ~~Type~~ Class R - {Known Class R. Plates exam. show change of about 0.5 - not to be announced as var - without more evidence.
" III
Md? Br. line may be due to defect. Not on spectrum plate I 23282. No change found on 18 chart plate. See note on cover I 35510
Type III

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" "

Pec. Type V Known
Pec. " " ? Known
~~Type III~~
Type III

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" " Var. ? New

" "
~~Var $17^h 57^m +56^\circ 49'$ on I 35467.~~
Type III

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" "
Md? Var? Not confirmed see cover I 35555
Type III

" "

" "

Objects of Interest on Northern Spectrum Plates.

	No	No. Plate.	&	H.	Object.	D.M. No.		R.A.		Dec.		Magn.
1908 Oct. 9	69 ~~70~~07	35555			√ Mf	+32	3350	19	6.2	+32	22	8.7
" 26	69 ~~70~~08	35571			√ Ma	+16	4153	20	1.5	+16	16	6.5
" "	69 ~~70~~09	"			√ Md?	(Est.	1855)	20	20 +	+14	12 ~~2~~	
" "	69 ~~70~~10	"			√ Ma	+14	4209	20	3.8	+14	7	7.5
" "	69 ~~70~~11	"			√ Ma	+12	4229	20	0.3	+12	55	7.2
" "	69 ~~70~~12	35575			√ Br. lines	+43	3571	20	15.6 ~~47.0~~	+43 ~~+46~~	24 ~~11~~	5 7.~~4~~
" "	69 ~~70~~13	"			√ Ma	+46	308~~1~~2	20	47.~~0~~4	+46	14 ~~11~~	9.4 ~~7.4~~
" "	69 ~~70~~14	"			√ Ma	+49	3386	20	45.1	+49	35	6.8
" "	69 ~~70~~15	35598			√ Ma	+74	953	22	5.4	+74	1	7.8
" "	69 ~~70~~16	"			√ Ma	+76	865	22	34.2	+76	51	8.7
" "	69 ~~70~~17	"			√ Ma	+78	762	21	47.5	+78	21	7.8
" "	69 ~~70~~18	"			√ Mf	+79	702	21	23.8	+79	9	9.5
" "	69 ~~70~~19	35604			√ Ma	−13	5345	19	17.0	−13	43	7.9
Nov. 3	69 ~~70~~20	35601			√ Mc	+54	622	2	46.4	+54	3	9.2
" "	69 ~~70~~21	"			√ Br. lines	+56	731	2	41.5	+56	20	9.5
" "	69 ~~70~~22	"			√ Pec.	+57	629	2	34.3	+57	55	8.7
" "	69 ~~70~~23	35602			√ Ma	−13	1040	4	52.4	−13	17	8.3
" "	69 ~~70~~24	"			√ Ma	−15	897	4	48.8	−15	36	8.9
" "	69 ~~70~~25	35611			√ Md6	+79	110	3	27.1	+79	51	7.8
" "	69 ~~70~~26	"			√ Ma	+81	107	2	59.3	+81	36	7.4
" "	69 ~~70~~27	"			√ M~~d~~b5c	+83	70	2	45.2	+83	0	9.3
" "	69 ~~70~~28	"			√ Br. line	+82	47	1	48.8	+82	59	9.5
" 18	69 ~~70~~29	35630			√ Ma	+67	835	14	19.3	+67	12	7.3
" "	69 ~~70~~30	"			√ Md5	(Est.	1900 ~~1855~~)	14	15.1	+67	15 ~~4~~	
" 19	69 ~~70~~31	35639			√ a Pec.	+18	4085	19	21.0	+18	0	7.1
" "	69 ~~70~~32	35646			√ Ma	+15	635	4	21.8	+15	51	8.5
" "	69 ~~70~~33	35648			√ Pec.	+23	2017 2016	8	47.8 47.7	+23	49.7 48	9.4 9.1
" "	69 ~~70~~34	"			√ Md	+23	2019	8	48.5	+23	35	9.5
" "	69 ~~70~~35	"			√ Ma	+23	2023	8	49.5	+23	31	8.3

Type III
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" " Var.? Not confirmed on 26 chart plates See cover I 35571
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" V Known
" III
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" " Var.? suspected by before Exp in Slight change on 25 chart plates See I 35601
" V Known
~~Var.?~~ "Hydrogen lines. Narrow"
Type III
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" " Var. ~~?~~ Found on I 35560
" "
" "
May be defect. No peculiarity on I 35018
Type III
" " Var ~~?~~ Known U Urs. Min.
Hydrogen lines narrow.
Type III
Var? Two plates superposed. Var not confirmed See cover I 35648
Var? Look up on another spectrum plate. Not conf. See cover
Type III

Objects of Interest on Northern Spectrum Plates

1908	No	Plate ~~DM~~ No	V	H	Object.	DM No.		R.A.		Dec.		Magn.
Nov. 19	69~~70~~36	35648			√Ma	+21	1920	8	41.4	+21	29	9.0
" "	69~~70~~37	"			√Mb	+18	2093	8	51.0	+18	42	7.0
" "	69~~70~~38	"			√Na	+17	1973	8	47.2	+17	47	6.5 var.
" "	69~~70~~39	35627			√Md 9	+~~7~~8	39~~59~~70	18	59.~~0~~4	~~+7~~ +8	~~8~~ 1	9.2 var.
" 20	69~~70~~40	35664			√Ma	+78	762	21	47.5	+78	21	7.8
" "	69~~70~~41	"			√Ma	+78	768	21	53.8	+78	52	6.5
" "	69~~70~~42	"			√Ma	+82	653	21	34.6	+82	48	8.8
" "	69~~70~~43	"			√Pec.	+85	332	~~8~~19	51.9	+85	2	9.2
" "	69~~70~~44	"			√Ma	+86	282	19	1.6	+86	31	7.0
Oct. 13	69~~70~~45	34629			√Ma	+53	2328	19	52.9	+53	24	8.0
" "	69~~70~~46	"			√Mb	+58	1968	19	41.4	+58	0	9.1
" "	69~~70~~47	"			√Ma	+60	2094	20	7.8	+60	56	7.8
Nov. 24	69~~70~~48	35669			√Md?	+17	3906	19	9.2	+17	27	9.1
" "	69~~70~~49	35673			√Ma	+50	60	0	15.4	+50	58	8.3
" "	69~~70~~50	"			√Pec	+53	66	0	16.7	+53	29	9.3
" "	69~~70~~51	"			√Md 9	+54	48	0	15.4	+54	60	var.
" "	69~~70~~52	35674			√Mb 5c	~~-15~~ -12	~~915~~ 1092	~~4~~ 5	~~53.0~~ 4.6	~~-15~~ -12	~~2~~ 2	~~var.~~ 6.5
" 27	69~~70~~53	35677			√Mc	+34	4597?	21	59.4	+34	39	8.5
" "	69~~70~~54	35678			√Ma	+10	1547	7	22.1	+10	21	8.0
" "	69~~70~~55	"			√Mb	+11	1607	7	25.5	+11	19	8.1
" "	69~~70~~56	35681			√Mc 5d	+47	4318	23	48.1	+47	50	8.4
" "	69~~70~~57	"			√Md 10	+50	4202	23	51.1	+50	35	var.
" "	69~~70~~58	35682			√Md 6	-3	353	2	12.0	-3	38	var.
" "	69~~70~~59	35684			√Mb	-5	5194	20	7.3	-5	1	8.0
" "	69~~70~~60	"			√Mb	-6	5487	20	20.1	-6	8	7.3
" "	69~~70~~61	35685			√Md 9	-3	353	2	12.0	-3	38	var.
" "	69~~70~~62	35577			√Ma	+36	3157	18	25.5	+36	9	7.5
" "	69~~70~~63	"			√Ma	+38	3276	18	39.2	+38	23	7.0
" "	69~~70~~64	"			√Mb 5c	+39	3476	18	33.3	+39	33	6.5

Type III

" "

" IV Var. ? known X Cancri.

Var ? known R Aquilae

Type III

" "

" "

Look up on another spectrum ✓ pl. Known Dark Bands Type VI chart plates exam. show slight change but not enough to warrant ~~sa~~ measuring see Book 75 Page 69

Type III

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" " Var? Not confirmed on 20 chart plates. See cover IIIa on I 16045

" "

Var? slight - fairly - change. found on chart plate, See cover I 34884 Known Type VI Dark Bands

Type III Var? T Cassiopeiae

" " ~~R Leporis~~ See I 7871 No. 2953

" " Var ? Known

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" " Var. ? Known R Androm

" " Var. R Cassiopeiae

" " Var. o Ceti.

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" " var. o Ceti

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Objects of Interest on Northern Spectrum Plates

1908	No	No Plate	V	H	Object	DM No.		RA		Dec		Magn.
Dec. 7	~~70~~6965	35714			√ Sta	+17	1973	8	47.2	+17	47	var.
" "	~~70~~6966	"			√ Ma	+18	2093	8	51.0	+18	42	7.0
" "	~~70~~6967	35686			√ Pec.	–10	513	2	28.0	–10	5	8.0
" "	~~70~~6967a	"			√ Md 6	–13	479	2	26.8	–13	47	8.5
" "	~~70~~6968	35698			√ Ma	+84	516	22	54.1	+84	16	8.0
" "	~~70~~6969	35701			√ Md 9	–3	353	2	12.0	–3	38	var.
" "	~~70~~6970	35702			√ Sta	+35	104~~4~~6	5	9.~~2~~5	+35	~~42~~38	8.~~2~~9
" "	~~6970a~~	~~"~~			~~Sa?~~	+35	1054	5	10.4	+35	38	7.5
" "	~~70~~6971	"			√ Ma ↙							
	6971a	"			√ Sa?	+34	1044	5	17.5	+34	2	var.
" "	~~70~~6972	35704			√ Ma	+52	1062	6	9.9	+52	35	8.4
" "	~~70~~6973	35708			√ Mc	+34	1011	5	12.0	+34	2	8.9
" "	6973a	"			√ Na?	(est.	1855)	5	17	+36.8		
" "	~~70~~6974	"			√ Mtoc	+36	1104	5	12.8	+36	24	8.8 1
" "	~~70~~6975	"			√ Sta	+38	1035	4	59.2	+38	48	9.2
" "	~~70~~6976	35711			√ Sta	+17	1973	8	47.2	+17	47	var.
" "	~~70~~6977	"			√ Ma	+18	2093	8	51.0	+18	42	7.0
" "	~~70~~6978	"			√ Ma	+19	2119	8	45.1	+19	52	8.2
" "	~~70~~6979	"			√ Ma	+23	2023	8	49.5	+23	31	8.3
" "	~~70~~6980	35713			√ Ma	+9	1715	7	28.8	+9	36	8.5
" "	~~70~~6981	"			√ Mt	+11	1607	7	25.5	+11	19	8.1
" 9	~~70~~6982	34678			√ Ma	–7	3263	11	30.4	–7	21	8.5
" "	~~70~~6983	"			√ Ma	–7	3250	11	25.4	–7	2	6.3
" "	~~70~~6984	"			√ Mt	–3	3134	11	24.0	–3	30	8.9
" "	~~70~~6985	"			√ Ma	–3	3158	11	32.9	–3	4	9.0
" "	~~70~~6986	"			√ Ma	–1	2541	11	27.5	–1	26	8.2
" "	~~70~~6987	"			√ Ma	–0	2479	11	37.2	–0	35	8.5
" "	~~70~~6988	34679			√ Ma	+0	2989	12	43.3	+0	2	8.3
" "	~~70~~6989	"			√ Ma	–0	2622	12	44.8	–0	10	8.2
" "	~~70~~6990	"			√ Ma	+1	2776	12	52.7	+1	6	7.8
" "	~~70~~6991	"			√ Ma	+1	2779	12	54.6	+1	10	8.5
" "	~~70~~6992	"			√ Mt	+2	2614	12	54.1	+2	18	8.0
" "	~~70~~6993	"			√ Ma	+4	2683	12	53.1	+4	23	8.0

Type IV Var? X Cancri.
" III
" VI Dark bands. Known
var. " III U Ceti.
" III

" " o Ceti.
" IV Var? Known Type IV. ~~S Aurigae~~ slight if any change see cover
~~" " S Aurigae~~.
" III
" IV S Aurigae.
" III

" "
" IV? R Aurigae, Too faint
" "

" IV Known Var? New
" IV Var? X Cancri.
~~" " Var?~~ III

" III

" III

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Objects of Interest on Northern Spectrum Plates.

1908	No	Plate ~~D.M.No.~~	γ	Hδ	Object.	D.M.No.		R.A.		Dec.		Magn.	
Dec. 9	~~70~~6994	34679			✓ Ma	+4	2653	12	40.5	+4	22	6.7	
" "	~~70~~6995	"			✓ Mb	+5	2709	12	56.1	+5	41	8.8	
" "	~~70~~6996	"			✓ Mc5d	+5	2708	12	55.3	+5	58	var.	
" "	~~70~~6997	34686			✓ Mb	+34	2768	16	15.2	+34	59	9.1	
" "	~~70~~6998	"			✓ Cont.	+36	2768	16	36.5	+36	44	neb.	
" "	~~70~~6999	"			✓ Ma	+42	2749	16	42.7	+42	31	6.5	
" "	7~~1~~000	"			✓ Mb	+42	2714	16	23.9	+42	13	var.	
" "	7~~1~~001	34687			✓ Ma	+31	3071	17	33.7	+31	58	7.7	
" "	7~~1~~002	"			✓ Ma	+35	3006	17	29.6	+35	58	7.5	
" "	7~~1~~003	34696			✓ M~~a~~b	+62	1725 ~~1726~~	19 ~~19~~	30.4 ~~30.5~~	+62 ~~+62~~	49 ~~49~~	8.0 ~~9.5~~	^
" "	7~~1~~004	"			✓ Ma	+61	1841	19	15.9	+61	5	8.4	
" "	7~~1~~005	"			✓ Ma	+59	2030	19	22.8	+59	29	8.2	
" "	7~~1~~006	"			✓ Mb	+59	1983	19	13.2	+59	10	9.1	
" "	7~~1~~007	"			✓ Ma	+57	1935 ~~1936~~	18 ~~18~~	59.1 ~~59.1~~	+57 ~~+57~~	37 ~~36~~	8.9 ~~9.2~~	^
" "	7~~1~~008	"			✓ Ma	+54	2140	19	21.6	+54	9	8.5	
" "	7~~1~~009	34673			✓ Ma	-5	3465	12	8.9	-5	2	8.1	
" "	7~~1~~010	"			✓ Ma	-5	3416	11	58.2	-5	2	6.7	
" "	7~~1~~011	34676			✓ Mb	-6	4419	16	15.2	-6	52	7.3	
" "	7~~1~~012	"			✓ Mb	-3	3875	15	59.4	-3	29	7.5	
" "	7~~1~~013	34677			✓ Cont.	-3	4031	16	49.5	-3	52	neb.	
" "	7~~1~~014	"			✓ Mb	+2	3296	17	12.5	+2	19	7.0	
" "	7~~1~~015	34836			✓ Mb	-10	5294	20	2.2	-10	57	8.8	
" "	7~~1~~016	"			✓ Ma	-8	5288	20	7.8	-8	13	8.5	
" "	7~~1~~017	"			✓ Mb	-5	5194	20	7.3	-5	1	8.0	
" "	7~~1~~018	33894			✓ Mb5c	+75	429	10	46.6	+75	7	8.0	
" "	7~~1~~019	"			✓ Md8	+69	587	10	34.3	+69	32	var.	
" "	7~~1~~020	34923			✓ Mb	+12	4767	22	2.2	+12	15	8.7	
" "	7~~1~~021	"			✓ Mb	+12	4801	22	11.2	+12	52	9.0	
" "	7~~1~~022	"			✓ Ma	+13	4857	22	3.9	+13	6	8.8	

Type III
" "
" " Var. known RT Virginis
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" " g Herculis.
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" " R Ursae Maj.
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Objects of Interest on Northern Spectrum Plates.

1908.	No	No Plate.	V	H	Object	DM No		R.A.		Dec.		Magn.
Dec. 9	$7\overset{0}{\text{x}}23$	33762			✓ Mb	+48	2914	19	29.7	+48	56	6.8
" "	$7\overset{0}{\text{x}}24$	"			✓ Mc	+49	2999	19	20.7	+49	57	7.5
" "	$7\overset{0}{\text{x}}25$	32547			✓ Br. lines	+5~~7~~6	731	2	41.5	+56	20	9.5
" "	$7\overset{0}{\text{x}}26$	"			Dark bands	+5~~6~~7	~~731~~ 702	~~2~~ 3	~~41.5~~ 0.3	~~+56~~ +57	~~20~~ 20	~~9.5~~ 7.9
" "	$7\overset{0}{\text{x}}27$	33092			✓ Ma	−15	4217	15	48.5	−15	25	8.2
" "	$7\overset{0}{\text{x}}28$	"			✓ Ma	−15	4221	15	48.9	−15	36	6.8
" "	$7\overset{0}{\text{x}}29$	35541			✓ Mc5d	+67	1291	21	7.6	+67	54	var.
" "	$7\overset{0}{\text{x}}30$	33032			✓ Ma	C.D.M. −25	840~~7~~5	10	56.6	−25	13	8.4
" "	$7\overset{0}{\text{x}}31$	35361			✓ Pec. Br. lines	+6	3649	18	5.1	+6	50	neb.
" "	$7\overset{0}{\text{x}}32$	"			✓ Md5	+3	3656	18	9.4	+3	39	8.6
" "	$7\overset{0}{\text{x}}33$	"			✓ Ma	+2	3547	18	8.8	+2	21	6.3
" "	$7\overset{0}{\text{x}}34$	35671			✓ Md5	+67	950	16	32.3	+67	3	var.
" "	$7\overset{0}{\text{x}}35$	"			Ma	+67	942	16	28.0	+67	22	6.8
" "	$7\overset{0}{\text{x}}36$	32545			✓ Mb	+51	629	2	37.7	+51	43	8.5
" "	$7\overset{0}{\text{x}}37$	"			✓ Ma	+51	639	2	41.2	+51	50	8.3
" "	$7\overset{0}{\text{x}}38$	"			✓ Ma	+52	612	2	31.4	+52	3	8.5
" "	$7\overset{0}{\text{x}}39$	"			✓ Br. lines	+56	686	2	30.7	+56	6	9.1
" "	$7\overset{0}{\text{x}}40$	"			✓ Br. lines	+56	731	2	41.5	+56	20	9.5
" "	$7\overset{0}{\text{x}}41$	"			✓ Dark bands	+57	702	3	0.3	+57	20	7.9
" "	$7\overset{0}{\text{x}}42$	35145			✓ Ma	+16	337	2	35.6	+16	56	7.9
" "	$7\overset{0}{\text{x}}43$	"			✓ Mc	+16	351	2	40.2	+16	55	var.
" "	$7\overset{0}{\text{x}}44$	"			✓ Ma	+20	444	2	32.5	+20	36	7.8
" "	$7\overset{0}{\text{x}}45$	35519			✓ Ma	+20	3457	17	15.6	+20	36	8.3
" "	$7\overset{0}{\text{x}}46$	"			✓ Mb5c	+23	30~~8~~90	17	15.6	+23	4	var.
" "	$7\overset{0}{\text{x}}47$	35614			✓ Ma	+54	1925	17	54.7	+54	41	7.5
" "	$7\overset{0}{\text{x}}48$	"			✓ M~~a~~c	+57	1786	17	34.6	+57	50	9.3
" "	$7\overset{0}{\text{x}}49$	35148			✓ Pec.	+34	1929	8	50.8	+34	19	8.9
" "	$7\overset{0}{\text{x}}50$	"			✓ Ma	+35	1900	8	46.3	+35	40	7.7
" "	$7\overset{0}{\text{x}}51$	"			✓ Mb	+39	2193	8	54.5	+39	18	7.0

Type III

" "

" V Known

" VI Known

" III

" "

" III T Cephei

" "

Gas. Stel. or Stosa? Known Gas neb.

Type III Var. Known R Y Ophiuchi.

" "

" " R Draconis.

" "

" "

" "

" "

" V Known

" V Known

" VI Known

" III

" " Var. ~~Known~~ T Arietis

" "

" "

" " R S Herculis. Faint.

" "

" "

Look up on another sp. plate. Type VI New confirmed on I 31173

Type III

" "

Objects of Interest on Northern Spectrum Plates.

1908	No	Plate No.	ℓ	H.	Object	DM No.	AR	Dec	Magn.	
Dec. 9	7$\overset{0}{\wedge}$152	35148			√ Mℓ	+41 1889	8 47.7	+41 54	8.2	
" "	7$\overset{0}{\wedge}$153	35149			√ Ma	+37 2162	11 1.3	+37 6	5.9	
" "	7$\overset{0}{\wedge}$154	"			√ Ma	+36 2147	10 55.4	+36 56	7.3	
" "	7$\overset{0}{\wedge}$155	"			√ Ma	+36 2139	10 51.4	+36 54	6.0	
" "	7$\overset{0}{\wedge}$156	"			√ Ma	+35 2202	10 52.4	+35 14	9.0	
" "	7$\overset{0}{\wedge}$157	"			√ Ma	+35 2181	10 38.6	+35 28	8.5	
" "	7$\overset{0}{\wedge}$158	35709			√ Mdg	(Est. 1855)	7 10.1	+1.5 21		
" 14	7$\overset{0}{\wedge}$159	35161			√ Mcod	+45 1202	5 46.4	+45 28	8.5	^
" "	7$\overset{0}{\wedge}$160	"			√ Pec.	+46 1067 ~~+45 1202~~	5 45.6 ~~5 46.4~~	+46 8 ~~+45 28~~	9.5 ~~8.5~~	
" "	7$\overset{0}{\wedge}$161	35105			√ Mcod	-8 536	2 45.1	-8 52	7.8	
" "	7$\overset{0}{\wedge}$162	35110			√ Ma	+8 2215	9 15.8	+8 20	7.3	
" "	7$\overset{0}{\wedge}$163	"			√ Md8	+12 2096	9 39.8	+12 6	var.	
" "	7$\overset{0}{\wedge}$164	35162			√ Ma	+49 1527	6 29.7	+49 9	8.6	
" 15	7$\overset{0}{\wedge}$165	35134			√ Mc	+77 813	21 21.9	+77 13	9.5	
" "	7$\overset{0}{\wedge}$166	"			√ Mℓ	+78 762	21 47.5	+78 21	7.8	
" "	7$\overset{0}{\wedge}$167	"			√ Mℓ	+79 702	21 23.8	+79 9	9.5	
" "	7$\overset{0}{\wedge}$168	"			√ Mℓ	+79 721	21 56.4	+79 37	6.4	
" "	7$\overset{0}{\wedge}$169	35705			√ Ma	+78 103 ~~+79 110~~	2 47.1 ~~3 27.1~~	+78 51 ~~+79 51~~	5.6 ~~7.8~~	
" "	7$\overset{0}{\wedge}$170	"			√ Mc	+79 110	3 27.1	+79 51	7.8	^
" "	7$\overset{0}{\wedge}$171	"			√ Mℓ	+81 107	2 59.3	+81 36	7.4	
" "	7$\overset{0}{\wedge}$172	"			√ Ma	+81 67	1 44.9	+81 51	8.4	
" "	7$\overset{0}{\wedge}$173	35135			√ Mc	~~+~~-1 546	3 44.1	-1 49	9.0	
" "	7$\overset{0}{\wedge}$174	35137			√ Ma	+43 1411	5 50.8	+43 16	7.8	
" "	7$\overset{0}{\wedge}$175	"			√ Ma	+45 1288	6 10.7	+45 10	8.2	
" "	7$\overset{0}{\wedge}$176	"			√ Br. lines	+46 106~~4~~7	5 ~~44.1~~ 45.6	+46 ~~5~~ 8	~~8.7~~ 9.5	
" "	7$\overset{0}{\wedge}$177	"			√ Mℓ	+47 1258	5 59.4	+47 43	8.0	
" "	7$\overset{0}{\wedge}$178	35138			√ Mℓ5c	+47 1547	8 3.1	+47 41	9.0	^
" "	7$\overset{0}{\wedge}$179	35176			√ Ma	+55 749	3 1.7	+55 36	8.0	
" "	7$\overset{0}{\wedge}$180	"			Br. lines	+56 686	2 30.7	+56 6	9.1	

Type III
" "
" "
" "
" "
" "
" " R R Monoc.
" " Var. ? Known
Br. lines Gas. Spet. Known (Ch. I 28275) Corrected dec. + 46 5 see Note in Gas. neb. list Vol. XVI No VI p. 176
Type III Var. ? Known
" "
" " Var. ? Known R Leonis.
" "
" " Var. ? Not confirmed see cover I 35134
" "
" "
" "
" "
" " Var. ? Known. Found on I 35560
" "
" "
" " Var. ? Known
" "
" "
Gas. Spet. Known
Type III
" "
" "
" ✓ Known

Objects of Interest on Northern Spectrum Plates.

1908	No	Plate No.	V	H	Object	D.M.No.		R.A.		Dec.		Magn.
Dec. 15	7$\overset{0}{\cancel{1}}$81	35176			Br. lines	+56	731	2	41.5	+56	20	9.5
" "	7$\overset{0}{\cancel{1}}$82	"			√Dark bands	+57	702	3	0.3	+57	20	7.9
" 31	7$\overset{0}{\cancel{1}}$83	35740			√Mb	+6	1720	7	27.3	+6	30	8.0
" "	7$\overset{0}{\cancel{1}}$84	"			√Mb?	+11	1607	7	25.5	+11	19	8.1
" "	7$\overset{0}{\cancel{1}}$85	35741			√Ma	-9	2515	8	18.8	-9	16	8.8
" "	7$\overset{0}{\cancel{1}}$86	"			√Mc5d	-9	2612	8	32.7	-9	5	7.7
" "	7$\overset{0}{\cancel{1}}$87	"			√Mc5d	-8	2343	8	17.4	-8	3	7.4
" "	7$\overset{0}{\cancel{1}}$88	"			√Md3?	-7	2433	8	12.1	-7	6	7.2
" "	7$\overset{0}{\cancel{1}}$89	"			√Md	-5	2550	8	22.5	-5	50	8.4
" "	7$\overset{0}{\cancel{1}}$90	35742			√Ma	+35	2081	9	47.7	+35	19	9.2
" "	7$\overset{0}{\cancel{1}}$91	"			√Md8	+35	2050	9	36.9	+35	10	8.6
" "	7$\overset{0}{\cancel{1}}$92	"			√Ma	+32	1941	9	42.2	+32	4	7.2
1909 Jan. 1	7$\overset{0}{\cancel{1}}$93	35731			√Ma	+4$\overset{5}{\cancel{3}}$	4317	23	37.5	+4$\overset{5}{\cancel{3}}$	28	7.5
" "	7$\overset{0}{\cancel{1}}$94	"			√Md10?	+47	4318	23	48.1	+47	50	8.4
" "	7$\overset{0}{\cancel{1}}$95	"			√Md10	+50	4202	23	51.1	+50	35	var.
" "	7$\overset{0}{\cancel{1}}$96	"			√Mb5c	+51	3676	23	32.0	+51	28	7.8
" "	7$\overset{0}{\cancel{1}}$97	35723			√Br. lines	+66	1066	+817	58.6	+66	38	neb.
" "	7$\overset{0}{\cancel{1}}$98	35761			√Ma.	+19	2716	13	41.0	+19	40	7.8
" 8	7$\overset{0}{\cancel{1}}$99	35443			√Ma	+4	4975	23	3.9	+4	13	7.1
" "	7$\overset{1}{\cancel{2}}$00	"			√Ma	+7	4981	23	2.2	+7	54	5.3
" "	7$\overset{1}{\cancel{2}}$01	"			√Mc	+9	5191	23	9.5	+9	49	8.5
" "	7$\overset{1}{\cancel{2}}$02	35763			√Ma	+46	27	0	6.5	+46	8	8.3
" "	7$\overset{1}{\cancel{2}}$03	"			√Mc5d	+46	4187	23	$43.\overset{6}{7}$	+46	42	8.5
" "	7$\overset{1}{\cancel{2}}$04	"			√Md?	+47	4318	23	48.1	+47	50	8.4
" "	7$\overset{1}{\cancel{2}}$05	"			√Ma	+48	4211	23	53.3	+48	43	8.8
" "	7$\overset{1}{\cancel{2}}$06	"			√Ma	+49	4243	23	43.2	+49	28	9.0
" "	7$\overset{1}{\cancel{2}}$07	"			√Ma	+50	28	0	5.3	+50	41	8.0
" "	7$\overset{1}{\cancel{2}}$08	"			√Md7	+50	4202	23	51.1	+50	35	var.
" "	7$\overset{1}{\cancel{2}}$09	"			√Mc	+51	3676	23	32.0	+51	28	7.8

1898phae.p10J..900F

Type V Known
″ VI Known
″ III
″ ″
″ ″
″ ″ Var.? Known RV Hydrae
″ ″ ″
″ ″ ″
″ ″ Var. RT Hydrae.
″ ″
″ ″ Var. R Leonis Min.
″ ″
″ ″
″ ″ Var. RS Androm.
″ ″ Var. R Cassiop.
″ ″
″ V? (Marked at Lat.) Known, Gas neb.
″ III
″ ″
″ ″
″ ″ Var.? Known
″ ″
″ ″ Var.? New
″ ″ Var? Known R S. Androm.
″ ″
″ ″
″ ″
″ ″ Var.? R Cass.
″ ″ Var.? SV Cass.

Objects of Interest on Northern Spectrum Plates.

	No	No Plate.	V	H	Object.	D.M.No.		R.A.		Dec.		Magn.
1909 Jan. 8	7210	35763			√ ML	+52	3540	23	42.6	+52	39	9.4
" "	7211	"			√ Na	+53	66	0	16.7	+53	29	9.3
" "	7212	35766			√ Ma	+28	653	4	15.4	+28	41	8.0
" "	7213	"			√ Ma	+27	651	4	9.5	+27	44	8.7
" "	7214	"			√ Dark Lands.	(Est. 1855)		4	9.1	+ ~~26.0~~ 25	~~06~~ 59	
" "	7215	35775			√ Ma	+3	2495	11	17.1	+3	46	9.5
" "	7216	"			√ Ma	+4	2452	11	14.0	+4	44	8.5
" "	7217	35783			√ Ma	+12	2529	12	48.2	+12	17	7.3
" "	7218	"			√ Ma	+10	2461	12	36.0	+10	54	8.1
" "	7219	"			√ Ma	+8	2654	12	45.2	+8	0	8.6
" "	7220	"			√ Md4	+6	2664	12	43.7	+6	20	var.
" "	7221	"			√ Mc	+5	2708	12	55.3	+5	58	8.6
" "	7222	"			√ Ma	+4	2683	12	53.1	+4	23	8.0
" "	7223	"			√ Ma	+4	2670	12	48.5	+4	18	9.5
" "	7224	"			√ Ma	+4	2653	12	40.5	+4	22	6.7
" "	7225	35744			√ Na	+49	41	0	9.9	+49	29	9.0
" "	7226	"			√ Md	56 ~~+51~~	4202 ~~42~~	23 ~~0~~	51.1 ~~11.9~~	50 +51	35 ~~33~~	var ~~9.2~~
" "	7227	"			√ Ma	+51	42	0	11.9	+51	33	9.2
" "	7228	"			√ Dark Lands	+53	66	0	16.7	+53	29	9.3
" "	7229	"			√ Mc o d	+54	548	0	15.4	+54	60	8.5
" "	7230	35749			√ Ma	+50	60	0	15.4	+50	58	8.3
" "	7231	"			√ Ma	+51	23	0	5.7	+51	2	8.0
" "	7232	"			√ Pec.	+53	66	0	16.7	+53	29	9.3
" "	7233	"			√ Pec.	+53 ~~+54~~	3263 ~~48~~	23 ~~0~~	51.0 ~~15.4~~	+53 ~~+54~~	29 ~~60~~	9.2 ~~8.5~~
" "	7234	"			√ Md8	+54	48	0	15.4	+54	60	8.5, var
" "	7235	35750			√ Mc	+53	398	1	41.1	+53	1	8.5
" "	7236	"			√ Md?	+54	431	1	50.0	+54	7	9.0
" "	7237	35755			√ ML	+31	992	5	21.2	+31	24	7.1
" "	7238	"			√ Ma	+31	914	5	8.1	+31	40	8.0

Type III

" IV Var. ? Known Type VI slight if any change see cover I 34884

" III

" "

1900 pos. 4 11.8 +26 06 " VI Clas. R New

" III

" "

" "

" "

" "

" " Var ? U Virginis

" " Var ? RT Virginis.

" "

" "

" "

" IV Var. ? Known

Br lines Var. ? R Cassiopi

Type III

Type VI Clas. R Known

" III Var. ? Known T Cass.

" "

" "

" VI Dark bands. Known

Var. ? Not confirmed on 20 chatt plate see cover I 35749 "Peculiarity not confirmed on I 31262 near edge of plate I 35749 Image may be defective"

Type III Var. T Cassiopeiae

" " Var. ? New

" " Var. ? U Persei.

" "

" "

Objects of Interest on Northern Spectrum Plates

1909	No	Plate No.	V	H	Object	DM. No.		R.A.		Dec		Magn.
Jan. 8	7239	35755			✓ Mℓ	+32	996	5	19.4	+32	22	8.8 (second var. image)
" "	7240	35762			✓ Ma	+27	4480	22	56.7	+27	18	
" "	7241	"			✓ Md8	~~+25~~	~~"~~	23	12.6	+25	~~4~~ 29	
" "	7242	"			✓ Ma	+19	5091	23	14.7	+19	51	7.5
" "	7243	35776			✓ Ma	+34	4086	20	29.1	+34	23	8.5
" "	7244	"			✓ Br. lines	+35	4001	20	4.8	+35	45	8.5
" "	7245	"			✓ Br. lines	+35	4013	20	6.5	+35	46	8.0
" "	7246	"			✓ Br. lines	+36	3956	20	9.1	+36	13	8.0
" "	7247	"			✓ Br. lines	+36	4028	20	16.1	+36	28	9.5
" "	7248	"			✓ Br. lines	+36	3987	20	11.6	+36	59	8.1
" "	7249	"			✓ Mℓ	+37	3946	20	23.0	+37	19	8.4
" "	7250	"			Type V ✓ ~~Md~~	(Est. 1855)		20	23	+38.2		
" "	7251	"			✓ Br. lines	+38	4010	20	14.2	+38	17	8.7
" "	7252	"			✓ Br. lines	+37	3821	20	6.8	+37	55	7.1
" "	7253	"			✓ Mℓ 5c	+39	4152	20	16.4	+39	59	8.8
" "	7254	35777			✓ Md?	+53	2684	21	35.8	+53	40	8.6
" "	7255	"			✓ Mℓ 5c	+54	2517	21	15.3	+54	50	7.2
" "	7256	35791			✓ Md?	(1855)		5	18.4	+2~~4~~	20	
" "	7257	"			✓ Ma	+1	1007	5	17.6	+1	2	8.2
" "	7258	"			✓ Ma	-0	963 ~~966~~	5 ~~5~~	21.7 ~~21.7~~	-0 ~~-0~~	47 ~~49~~	9.3 ~~9.2~~
" "	7259	35792			✓ Ma	+19	2228	9	26.4	+19	3	8.3
" 9	7260	35778			✓ Dark bands	-3	1685	6	53.8	-3	3	7.7
" "	7261	"			✓ Mℓ	+0	1869	7	7.9	+0	52	8.3
" "	7262	"			✓ Ma	+4	1599	7	1.0	+4	24	7.8
" "	7263	35780			✓ Mℓ	+52	1062	6	9.9	+52	35	8.4
" "	7264	"			✓ Mc	+47	1258	5	59.4	+47	43	8.0
" "	7265	"			✓ Mc 5d	+56	1101	6	4.1	+56	45	7.0
" "	7266	35781			✓ Md6	(Est. 1855)		14	~~13~~ 14.2	+67	~~4~~ 28	
" "	7267	"			✓ Ma	+67	835	14	19.3	+67	12	7.3

Type III
" " B Pegasi.
" " Var. W Pegasi
" "
" "
" V Known
" " Known
" " Known
" " Known
" " Known
~~Var?~~ " III ~~Known Type V var. not confirmed see cover I 35776~~
" " ~~Var. ?~~ Image defective. Known Type V var: not confirmed see cover I 35776
" V Known
" " Known
" III
" " Var. ? RU Cygni.
" "
" " Var. ? Not confirmed see cover 35791
" "
" "
" "
" VI Class R Known
" III
" "
" "
" "
" " Var ? Not confirmed see cover I 32984
" " Var. ? U Ursae Min.
" "

Objects of Interest on Northern Spectrum Plates

1909	No	Plate No	V	H	Object	D.M.No		R.A.		Dec		Magn.
Jan. 9	7268	35781			√ Ma	+65	1000	14	31.5	+65	36	8.5
" "	7269	35782			√ Ma	+11	2483	12	33.4	+11	44	9.0
" "	7270	"			√ Ma	+10	2461	12	36.0	+10	54	8.1
" "	7271	"			√ Mc5d	+7	2561	12	31.2	+7	48	var.
" "	7272	"			√ Mc5d	+5	2634	12	23.0	+5	13	8.5
" "	7273	35785			√ Br. lines	+66	1066	17	58.6	+66	38	neb.
" "	7274	35786			√ Mc5d	+53	2684	21	35.8	+53	40	8.6
" "	7275	35787			√ Md7	+54	48	0	15.4	+54	60	8.5
" "	7276	35790			√ Ma	+28	653	4	15.4	+28	41	8.0
" "	7277	"			√ Ma	+23	654	4	6.7	+23	44	8.7
" 14	7278	35179			√ Ma	+34	946	4	56.9	+34	39	8.1
" "	7279	"			√ Pec.	+34	911	4	39.7	+34	44	8.8
" "	7280	35185			√ Md10	+12	2096	9	39.8	+12	6	var.
" "	7281	"			√ Ma	+11	2094	9	37.2	+11	28	8.7
" "	7282	"			√ Mb5c	+10	2067	9	46.2	+10	57	8.0
" "	7283	35194			√ Na	+1	2694	12	17.8	+1	35	8.1
" "	7284	35244			√ Md6	CDM. -24	8493	9	43.9	-24	25	9.2,
" "	7285	"			√ Na	-22 ~~+54~~	2739 ~~2517~~	9 ~~21~~	44.4 ~~15.3~~	-22 ~~+54~~	20 ~~50~~	6.6 ~~7.2~~
" "	7286	35272			√ Mb	+1	2746	12	37.0	+1	19	8.2
" "	7287	"			√ Ma	+2 ~~+2~~	2614 ~~2560~~	12 ~~12~~	54.1 ~~31.0~~	+2 ~~+2~~	18 ~~40~~	8.0 ~~6.0~~
" "	7288	"			√ Mb	+2	2560	12	31.0	+2	40	6.0
" "	7289	"			√ Ma	+4	2653	12	40.5	+4	22	6.7
" "	7290	"			√ Mc5d	+5	2708	12	55.3	+5	58	var.
" "	7291	"			√ Md8	+6	2664	12	43.7	+6	20	var.
" "	7292	"			√ Ma	+6	2644	12	34.5	+6	39	8.7
" "	7293	35276			√ Ma	+30	2675	15	27.0	+30	47	8.0
" "	7294	"			√ Ma	+29	2699	15	35.1	+29	42	8.4
" "	7295	"			√ Ma	+29	2730	15	46.6	+29	21	7.8
" "	7296	"			√ Ma	+29	2729	15	46.4	+29	2	8.0
	7196a	"			√ Pec.	+28	2477	15	42.6	+28	36	var

Type III

" "

" "

var ? " / " R Virginis.

var ? " " slight change see cover I 35782

Gas. Net. Known

Type III Var. ? R U Cygni.

" " " T Cassiop.

" "

" "

" "

" VI ? Var. ? Known as Type IV Better plate wanted variability not confirmed on 18 chart plate see cover 35179

" III R Leonis.

" "

" "

" IV Var. SS Virginis Clear for B13145 & I 32513 The peculiarity is prob. due to defect on I 35244

" III Var ? Not confirmed on 34 chart plate see cover I 35244

" IV Var Y Hydrae.

" III

" "

" "

" "

" " Var. ? RT Virginis.

" " Var. U Virginis.

" "

" "

" "

" "

" " R Coronae

Objects of Interest on Northern Spectrum Plates.

1909	No	No Plate	V	H	Object	D.M. No.		R.A.		Dec.		Magn.	
Jan. 13	7297	35277			√ Ma	+43	2542	15	49.8	+43	34	5.5	
" "	7298	"			√ Ma	+43	2520	15	34.6	+43	10	8.0	
" "	7299	"			√ Md	+39	2974	15	37.4	+39	60	8.4	^
" "	7300	35381			√ Mf	+16	2320	11	48.8	+16	33	8.5	
" "	7301	"			√ Ma	+17	2439	12	1.8	+17	60	6.8	
" "	7302	"			√ Md?	+19	2527	11	56.8	+19	35	var.	
" "	7303	"			√ Ma	+20	2664	11	52.7	+20	14	6.9	
" "	7304	35187			√ Ma	-16	2921	9	48.7	-16	47	7.2	
" "	7305	"			√ Mf	-19	2870	9	49.2	-19	16	8.7	
" "	7305a	"			√ Ma								
" "	7306	35411			√ Ma	+2	3547	18	8.8	+2	21	6.3	
" 14	7307	35412			√ Md?	-6	5419	20	7.5	-6	36	9.1	
" "	7308	"			√ Mf	-6	5487	20	20.1	-6	8	7.3	
" "	7309	"			√ Ma	-5	5194	20	7.3	-5	1	8.0	
" "	7310	35416			√ Pec	+6	3649	18	5.1	+6	49	neb.	
" "	7311	35420			√ Mdy	+67	1291	21	7.6	+67	54	var.	
" "	7312	35465			√ Mc5d	+45	2913	19	25.9	+45	51	7.0	
" "	7313	"			√ Ma	+46	2755	19	37.2	+46	58	7.5	
" "	7314	"			√ Mf	+49	3132	19	49.6	+49	13	8.1	
" "	7315	"			√ Pec.	+49	3064	19	32.9	+49	53	var.	
" "	7316	"			√ Mc	+49	2999	19	20.7	+49	57	7.5	
" 29	7317	35809			√ Ma	-0	355	2	14.6	-0	16	5.5	
" "	7318	35820			√ Ma	-7	334	1	51.2	-7	47	7.0	
" "	7319	35821			√ Ma	-7	685	3	41.7	-7	28	7.0	
" "	7320	35825			√ Ma	+50	1644	9	19.1	+50	39	7.7	
" 30	7321	35798			√ Ma	+33	44	0	19.0	+33	23	7.2	
	7321a				√ Ma?	+34	58	0	20.4	+34	35	9.4	
" "	7322	"			√ Ma	+34	46	0	16.7	+34	0	8.9	
" "	7323	"			√ Na	+34	56	0	19.9	+34	47	8.1	
" "	7324	"			√ Ma	+36	~~71~~ 69 √	0	~~22.4~~ 21.8 √	+36	~~58~~ 41	~~9.5~~ 8.9	√
" "	7325	"			√ Ma	+37	54	0	15.3	+37	57	7.0	

Type III
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" " Var ? { I 34019 fails to show any trace of bright lines
slight—if any change on 34 chart plates see I 35277
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" " R Comae
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" IV Y Hydrae
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" " Var.? Known Z Aquilae
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Br. lines Gas. Stel. Known
Type III T Cephei
" " Var.? New—though suspected before by Espin AN 1415 p. 327
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" " Ind, R Cygni.
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" IV Var.? Known
" III
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Objects of Interest on Northern Spectrum Plates.

	No	No Plate	δ	Hb	Object	D.M.No.		R.A.		Dec.		Magn.
Jan. 30	7~~3~~226	35800			√Md g	-3	353	2	12.0	-3	38	var.
" "	7~~3~~227	35801			√Ma	+52	527	2	0.7	+52	13	8.8
" "	7~~3~~228	"			√Mt	+53	398	1	41.1	+53	1	8.5
" "	7~~3~~229	"			√N-R √	+53	379	1	35.9	+53	14	9.4
" "	7~~3~~230	"			√Mt	+53	413	1	44.4	+53	32	9.0
" "	7~~3~~231	"			√Mt	+54	431	1	50.0	+54	7	9.0
" "	7~~3~~232	35802			√Ma	+53	580	2	42.1	+53	25	8.9
" "	7~~3~~233	"			√R	+57	702	3	0.3	+57	20	7.9
" "	7~~3~~234	35803			√Ma	+14	711	4	22.9	+14	47	7.3
" "	7~~3~~235	"			√Ma	+21	652	4	20.4	+21	34	8.8
" "	7~~3~~236	"			√Ma	+22	686	4	15.1	+~~37~~ 22	37	8.0
" "	7~~3~~237	35804			√Sta	-22	2739	9	44.4	-22	20	6.6
" "	7~~3~~238	35805			√Ma	+32	1941	9	42.2	+32	4	7.2
" "	7~~3~~239	"			√Ma	+33	1907	9	38.7	+33	27	7.5
" "	7~~3~~240	"			√Md g	+35	2050	9	36.9	+35	10	8.6
" "	7~~3~~241	35806			√Ma	-1	2671	12	21.0	-1	58	8.8
" "	7~~3~~242	"			√Ma	-1	2674	12	21.7	-1	37	7.7
" "	7~~3~~243	"			√Ma	+2	2536	12	17.3	+2	11	7.8
" "	7~~3~~244	"			√Ma	+3	2656	12	22.4	+3	26	9.0
" "	7~~3~~245	"			√Mcod	+5	2634	12	23.0	+5	13	8.5
" "	7~~3~~246	35810			√Ma	-7	728	3	56.3	-7	19	8.2
" "	7~~3~~247	"			√Ma	-6	799	3	53.2	-~~7~~ 6	48	8.4
" "	7~~3~~248	"			√Mtoc	-1	546	3	44.1	-1	49	9.0
" "	7~~3~~249	35811			√Ma	-12	1092	5	4.6	-12	2	6.5
" "	7~~3~~250	35812			√Mt	-8	1448	6	22.3	-8	1	8.6
" "	7~~3~~251	"			√Pec.	-7	1462	6	25.7	-7	24	8.4
" "	7~~3~~252	35813			√Sta ?	-4	1708	6	46.0	-4	24	9.0
" "	7~~3~~253	35814			√Ma	+42	1239	5	7.9	+42	~~37.9~~ 38	6.0
" "	7~~3~~254	"			√Ma	+43	1131	4	45.7	+43	15	7.5

Type III o Ceti

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Type IV & VI Dark bands. Known Type IV

Type III

" III U Persei.

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" VI Dark bands. Known

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" IV Var X Known Y Hydrae

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Notice error on chart. " " Var? slight change? See cover I 35782

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Bl. lines Var? Not confirmed See cover I 35812

Type IV? Var? May be faint Type VI? Known Type IV Var. May tend toward Na 5 R.

" III

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Objects of Interest on Northern Spectrum Plates

1909	No	No. Plate.	V	H	Object.	D.M. No.		R.A.		Dec.		Magn.	
Jan. 30	7~~3~~255	35814			√ Ma	+47	1107	5	1.8	+47	26	9.0	^
" "	7~~3~~256	"			√ Ma	+50	1070	4	39.5	+50	9	8.0	
" "	7~~3~~257	35815			√ Ma	+42	1239	5	7.9	+42	38	6.0	
" "	7~~3~~258	35816			√ Mc	+36	1735	7	54.2	+36	45	7.0	
" "	7~~3~~259	"			√ Ma	+40	1949	7	40.4	+40	8	7.0	
" "	7~~3~~260	"			√ Ma	+42	1757	7	35.5	+42	26	8.6	
" "	7~~3~~261	"			√ Ma	+42	1755	7	34.1	+42	39	8.2	
" "	7~~3~~262	"			√ Ma	+43	1727	7	33.3	+43	19	9.0	
" "	7~~3~~263	35817			√ Ma	+33	2607	15	31.2	+33	4	9.0	
" "	7~~3~~264	"			√ Ma	+31	2799	15	50.5	+31	38	8.0	
" "	7~~3~~265	"			√ Ma	+30	2696	15	36.4	+30	56	8.8	
" "	7~~3~~266	"			√ Mc	+24	2901	15	32.1	+24	60	7.4	
" "	7266a	"			√ Mc.	+28	2477	15	42.6	+28	36	var.	
" "	7~~3~~267	35818			√ R	+50	1603	8	53.0	+50	39	9.2	V
" "	7~~3~~268	"			√ Ma	+53	1286	8	41.2	+53	2	9.0	V
Feb. 8	7~~3~~269	35833			√ Ma	+~~7~~32	1941	9	42.2	+32	4	7.2	^
" "	7~~3~~270	"			√ Ma	+32	1952	9	46.7	+32	5	8.5	^
" "	7~~3~~271	"			√ Ma	+31	2072	9	47.3	+31	51	8.6	^
" "	7~~3~~272	"			√ Ma	+33	1907	9	38.7	+33	27	7.5	^
" "	7~~3~~273	"			√ Ma	+33	1897	9	32.9	+33	43	8.7	^
	~~7~~3~~274~~				~~√ Ma~~	+34	2016	9	31.7	+34	39	9.2	^
" "	7~~3~~275	"			√ Md8	+35	2050	9	36.9	+35	10	8.6	^
" "	7~~3~~276	"			√ Md?	+35	2057	9	39.1	+35	17	9.5	^
" "	7~~3~~277	"			√ Ma	+35	2046	9	35.5	+35	22	7.7	^
" "	7~~3~~278	"			√ Mb5c	+36	~~2~~1963	9	19.6	+36	47	8.6	^
" 18	7~~3~~279	35836			√ Ma	+21	264	1	51.4	+21	9	8.1	
" "	7~~3~~280	"			√ Ma	+21	322	2	10.9	+21	13	8.5	
" "	7~~3~~281	"			√ Ma	+22	324	2	8.0	+22	33	9.2	
" "	7~~3~~282	"			√ Mb	+22	331	2	13.0	+22	45	7.8	
" "	7~~3~~283	"			√ Ma	+23	295	2	3.2	+23	51	8.5	

Type III
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R Cor. Bor.
" VI Dark bands. Known
" III
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" " Var? not confirmed see cover I
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Objects of Interest on Northern Spectrum Plates.

1909	No	No. Plate	V	H	Object	D.M. No		R.A.		Dec.		Magn.	
Feb. 18	7~~3~~284	35836			√ Mt	+24	305	2	0.1	+24	7	7.6	
" "	7~~3~~285	"			√ Md5	+24	330	2	7.9	+24	23	var.	
" "	7~~3~~286	"			√ Mt	+27	346	2	5.8	+27	43	9.0	
" 27	7~~3~~287	35192			√ Na	-22	2739	9	44.4	-22	20	6.6	
" "	7~~3~~288	"			√ Ma	-21	2987	~~9~~10	0.7	-21	47	7.0	
" "	7~~3~~289	35838			√ Mt	-12	1092	5	4.6	-12	2	6.5	
" "	7~~3~~290	35840			√ Ma	+18	2093	8	51.0	+18	42	7.0	
" "	7~~3~~291	35846			√ Mt	-3	3304	12	21.7	-3	18	8.8	
" "	7~~3~~292	"			√ Ma	-1	2674	12	21.7	-1	37	7.7	
" "	7~~3~~293	"			√ Ma	-0	2583	12	21.9	-0	27	8.7	
" "	7~~3~~294	"			√ Mcod	+5	2634	12	23.0	+5	13	8.5	
" "	7~~3~~295	35849			√ Ma	-12	1761	6	57.2	-12	53	7.3	
" "	7~~3~~296	"			√ Mt	-12	1740	6	54.8	-12	56	8.2	
" "	72969	"			√ Ma	-8	1650	6	51.2	-8	50	7.7	
" "		"			Ma2?	-8	1641	6	50.3	-8	53	8.6	
" "	7~~3~~297	"			√ Ma	-~~8~~7	1624	6	47.3	-7	13	8.3	
" "	7~~3~~298	"			√ Ma	-6	1925	6	59.0	-6	25	9.0	
" "	7~~3~~299	35852			√ Ma	+60	1563	14	41.9	+60	36	8.5	
" "	7~~4~~300	"			√ Mt	+56	1756	14	39.8	+56	44	8.8	
" "	7~~4~~301	"			√ Ma	+56	1771	14	51.7	+56	32	9.5	
" "	7~~4~~302	"			√ Mt	+55	1704	14	38.0	+55	25	8.0	
" "	7~~4~~303	35855			√ Ma	+29	897	5	17.9	+29	47	8.0	
" "	7~~4~~304	"			√ Ma	+31	992	5	21.2	+31	24	7.1	
" "	7~~4~~305	"			√ Mt5c	+32	996	5	19.4	+32	22	8.8	^
" "	7~~4~~306	"			√ Ma	+33	983	5	5.8	+33	14	8.9	✓
" "	7~~4~~307	"			√ Mt	+34	1011	5	12.0	+34	2	8.9	
" "	7~~4~~308	"			√ Ma	+37	1115	5	6.9	+37	28	8.7	^
" "	7~~4~~309	35856			√ Md?	(Est.	1855)	~~4~~5	58	+66	2 12		
" "	7~~4~~310	35857			√ Ma 1	+58	1489	14	9.1	+58	48	7.4	
" "	7~~4~~311	"			√ Mt	+55	1704	14	38.0	+55	25	8.0	
" "	7~~4~~312	"			√ Ma	+55	1685	14	23.5	+55	24	8.5	

Type III
" " R Arietis.
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" IV Known Y Hydrae.
" III
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R.a. is a little too great on chart. " " Var? slight change? see cover I 35782
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" " X Monocerotis.
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" " ? Var.? Not confirmed on 19 chart plate - See cover I 35856
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Objects of Interest on Northern Spectrum Plates

1909	No	No. Plate	V.	H.	Object	D.M.No.	R.A.	Dec	Magn.
Feb. 27	7~~4~~313	35807			√ Ma	+54 1661	14 13.7	+54 36	8.0
" "	7~~4~~314	"			√ Ma	+53 1722	14 31.0	+53 30	9.1
" "	73314a	"			√ Mt	+54 1671	14 18.0	+54 28	var.
" "	7~~4~~315	35835			√ Mc	-6 3837	13 25.4	-6 27	var.
" "	7~~4~~316	35841			√ Ma	+79 801	23 56.1	+79 56	9.1
" "	7~~4~~317	35844			√ Ma	+6 2224	9 46.1	+6 39	6.5
" "	7~~4~~318	"			√ Mt o-c	+10 2067	9 46.2	+10 57	8.0
" "	73318a	"			√ Md9	+12 2095	9 39.8	+12 6	var.
" "	7~~4~~319	35845			√ Ma	+36 2006	9 43.8	+36 12	6.5
" "	7~~4~~320	"			√ Mt	+35 2046	9 35.5	+35 22	7.7
" "	7~~4~~321	"			√ Md9	+35 2050	9 36.9	+35 10	8.6
" "	7~~4~~322	"			√ Ma	+33 1907	9 38.7	+33 27	7.5
" "	7~~4~~323	"			√ Ma	+32 1930	9 37.7	+32 44	9.0
Mar. 10	7~~4~~324	35853			√ Mt	+33 425	2 16.5	+33 13	7.2
" "	7~~4~~325	"			√ Md10	+33 470	2 28.3	+33 38	9.2
" "	7~~4~~326	"			√ Mt o-c	+33 490	2 32.7	+33 54	8.4
" "	7~~4~~327	"			√ Mt	+36 491	2 18.4	+36 18	7.7
" "	7~~4~~328	35854			√ Sa	-11 1805	7 1.3	-11 42	7.6
" "	7~~4~~329	"			√ B pec.	-10 1774	6 50.3	-10 38	7.2
" "	7~~4~~330	"			√ Ma	-8 1641	6 50.3	-8 53	8.0
" "	7~~4~~331	"			√ Mt	-8 1650	6 51.2	-8 50.8	7.7
" "	7~~4~~332	35859			√ Sa	+17 1973	8 47.2	+17 47	6.5
" "	7~~4~~333	"			√ Ma o t	+18 2093	8 51.0	+18 42	7.0
" "	7~~4~~334	"			√ Ma	+21 1974	8 59.6	+21 29	9.1
" "	7~~4~~335	"			√ Pec.	(Est. 1855)	8 59.6	+22 ~~1~~9	
" "	7~~4~~336	35858			√ Mt	+45 1288	6 10.7	+45 10	8.2
" "	7~~4~~337	"			√ Md6	+45 1324	6 24.9	+45 44	8.7
" "	7~~4~~338	"			√ Mt	+47 1258	5 59.4	+47 43	8.0
" "	7~~4~~339	"			√ Md?	(Est. 1855)	6 ~~1~~9 0.9	+50.315	
" "	7~~4~~340	"			√ Ma	+52 1105	6 26.9	+52 7	8.2
" "	7~~4~~341	35860			√ Sa	-22 2739	9 44.4	-22 20	6.6

Type III
" "
" " S Bootis.
" " S Virginis
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Var. R Leonis.
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" " Var. R Leonis Min.
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Type III
" " Var ? R Triang.
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" IV Var ? Known
H β bright. Known
Type III X Monocerotis.
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" IV Var ? X Cancri.
" III
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" VI Dark bands. Known
" III
" " Var ? Known T U Aurigae
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" " Var ? X Aurigae
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" IV Var ? Y Hydrae

Objects of Interest in Northern Spectrum Plates.

1909	No	No Plate	V	H	Object	DM No	R.A.	Dec	Magn
Mar. 10	7~~4~~342	35860			√ Md?	(Est. 1855)	9 43.7	-20 ~~8~~ 31	
" "	7~~4~~343	"			√ Mb	-19 2870	9 49.2	-19 16	8.7
" "	7~~4~~344	35861			√ Ma	+6 2224	9 46.1	+6 39	6.5
" "	7~~4~~345	"			√ Ma	+8 2262	9 36.1	+8 10	8.8
" "	7~~4~~346	"			√ Ma	+9 2220	9 31.4	+9 8	8.7
" "	7~~4~~347	"			√ Mbo-c	+10 2067	9 46.2	+10 57	8.0
" "	7~~4~~348	"			√ Mb	+11 2094	9 37.2	+11 28	8.7
" "	7~~4~~349	"			√ Mco-d	+12 209~~7~~6	9 39.8	+12 6	var.
" "	7~~4~~350	35862			√ Ma	-0 2583	12 21.9	-0 27	8.7
" "	7~~4~~351	"			√ Ma	-0 2573	12 18.4	-0 19	9.5
" "	7~~4~~352	"			√ Sa	+1 2694	12 17.8	+1 35	8.1
" "	7~~4~~353	"			√ Ma	+2 2536	12 17.3	+2 11	7.8
" "	7~~4~~354	"			√ Mb	+3 2656	12 22.4	+3 26	9.0
" "	7~~4~~355	"			√ Mco-d	+5 2634	12 *23.0	+5 13	8.5
" "	7~~4~~356	35863			√ Mb	+58 1489	14 9.1	+58 48	7.4
" "	7~~4~~357	"			√ Ma	+57 1522	14 33.4	+57 53	9.3
" "	7~~4~~358	"			√ Ma	+55 1704	14 38.0	+55 25	8.0
" "	7~~4~~359	"			√ Mdo	+54 1671	14 18.0	+54 28	var.
" "	7~~4~~360	"			√ Ma	+53 1703	14 11.1	+53 36	8.7
" "	7~~4~~361	35864			√ Mb	+79 683	20 46.5	+79 58	9.0
" "	7~~4~~362	"			√ Ma	+78 762	21 47.5	+78 21	7.8
" "	7~~4~~363	35864			√ Sa	-4° 1708	6 46.0	-4 24	9.0
" "	7~~4~~364	35868			√ Mc	-5 2550	8 22.5	-5 50	8.4
" "	7~~4~~365	35869			√ Ma	+49 2293	14 14.8	+49 1	9.2
" "	7~~4~~366	"			√ Mb	+53 1703	14 11.1	+53 36	8.7
" "	7~~4~~367	"			√ Mdo	+54 1671	14 18.0	+54 28	var.
" "	7~~4~~368	"			√ Ma	+54 1661	14 13.7	+54 36	8.0
" "	7~~4~~369	"			√ Ma	+58 1497	14 18.0	+58 21	9.0
Mar. 27	7~~4~~370	35891			√ Pec.	-22 2739	9 44.4	-22 20	6.6

Type III Var.? Not confirmed on 21 chart plate - see cover I 35860
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" " R Leonis.
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" IV? Var.? S S Virginis.
" III
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" " Var? *slight change? see cover I 35782 Error in R.A. on chart.
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" " Var.? S Bootis.
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" IV Var.? Known
" III R T Hydrae
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" " Var? S Bootis.
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Var. Y Hydrae.

Objects of Interest on Northern Spectrum Plates.

1909	No	No. Plate	V	H	Object.	DM No.	R.A.	Dec.	Magn.
Mar. 27	7~~4~~371	35893			√ Ma 5 L	+32 2537	14 56.5	+32 15	6.7
〃 〃	7~~4~~372	〃			√ Md 7	+31 2725	15 15.5	+31 53	var.
〃 〃	7~~4~~373	35151			√ Ma	+3~~2~~5 2387	12 52.1	+35 20	8.0
〃 〃	7~~4~~374	〃			√ Pec.?	+38 2389	12 52.6	+38 35	8.6
〃 〃	7~~4~~375	〃			√ Md 9	Announced (1855)	12 40.4	+39 10	
〃 〃	7~~4~~376	35884			√ Ma	C.D.M. -24 8431	9 40.3	-24 48	8.6
〃 〃	7~~4~~377	〃			√ Ma L	C.D.M. -24 8451	9 41.4	-24 40	8.7
〃 〃	7~~4~~378	〃			√ Pec.	-22 2739	9 44.4	-22 20	6.6
〃 〃	7~~4~~379	35885			√ Ma	+6 2397	10 56.8	+6 0	8.2
〃	7~~4~~380	35887			√ Mc5d	+33 2482	14 33.2	+33 10	8.3
Jan. 17 1910	73 809	〃			√ Mc5	+32 2504	14 35.1	+32 11	8.0
1909	73 807	〃			√ Ma	+31 2645	14 35.1	+31 56	9.1
Mar. 27	7~~4~~381	〃			√ Ma L	+30 2513	14 15.9	+30 3	6.5
〃 〃	7~~4~~382	〃			√ Ma	+29 2565	14 33.8	+29 2	8.2
〃 〃	7~~4~~383	〃			√ Ma	+27 2374	14 17.4	+27 56	8.0
〃 〃	7~~4~~384	〃			√ Md 5	+27 2400	14 30.8	+27 22	var.
〃 〃	7~~4~~385	〃			√ Pec?	+25 2802	14 29.4	+25 32	8.0
〃 〃	7~~4~~386	35886			√ Mc5d	-3 3304	12 21.7	-3 18	8.8
〃 〃	7~~4~~387	〃			√ Ma	-1 2671	12 21.0	-0' 58	8.8
〃 〃	7~~4~~388	〃			√ Ma	+-0 2583	12 21.9	-0 27	8.7
〃 〃	7~~4~~389	〃			√ Md?	* Est. 1855	12 6.4	+1 ~~1~~ 5	
〃 〃	7~~4~~390	〃			√ Pec.	+1 2694	12 17.8	+1 35	8.1
〃 〃	7~~4~~391	〃			√ Mc5d	+5 2634	12 23.0	+5 13	8.5
〃 〃	7~~4~~392	35888			√ Ma	-14 4121	14 59.4	-14 7	8.0
〃 〃	7~~4~~393	〃			√ Ma	-15 4032	14 59.4	-15 51	9.0
〃 〃	7~~4~~394	〃			√ Ma	-20 4203	15 10.4	-20 34	8.2
〃 〃	7~~4~~395	〃			√ Mc5d	(Est. 1855)	15 ~~16~~ 15.9	-22.3 23	
〃 〃	7~~4~~396	35910			√ Mc5d	+64 1176	17 7.6	+64 31	9.2
〃 〃	7~~4~~397	35911			√ Ma L	+71 841	17 25.6	+17 60	6.8
〃 〃	7~~4~~398	〃			√ Md?	(Est. 1855)	17 24	+68.3	
〃 〃	7~~4~~399	〃			√ Br. lines	+66 1066	17 58.6	+66 38	neb.

Type III

" " S Coronae Borealis

" "

Dark bands ? Known

Type III var ? New 1900 pos. 12 42.6 +38 55

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Y Hydrae Same as S S Virginis.

Type III

" " var.? New
Var. ? New

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" " Var. Known R Bootis

Hydrogen lines br. on edge of gl λ. This may be due to defect. Not confirmed on I 19900.

7386 Type III var? (7386) Not confirmed see cover I 35886

7387 " " (7387)

7388 " " (7388)

7389 " " Var? very faint. (7389) ~~S. S. Virginis.~~ slight, if any, see I 35887

7390 Var ? Known ~~S S Virginis (7390)~~

7391 Type III var? (7391) slight change? see cover I 35782

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" " Var ? Known. 15 18.5 − 22 33 (1900) R S Librae.

" " Var ? Known

" "

" " Var? Not confirmed See cover I 35911

Gas. Neb. Known N. G. C. 6543.?

Objects of Interest on Northern Spectrum Plates.

1909	No	No Plate	V	H	Object	D.M.No.	R.A.	Dec.	Magn.
Mar. 27	7$\overset{4}{5}$00	35911			✓Mc	+64 1176	17 7.6	+64 31	9.2
" 29	7$\overset{4}{5}$01	35906			✓Ma	-10 2575	8 28.9	-10 48	7.7
" "	7$\overset{4}{5}$02	"			✓Ma	-9 2571	8 26.8	-9 30	7.3
" "	7$\overset{4}{5}$03	"			✓Mc o-d	-9 2612	8 32.7	-9 5	7.7
" "	7$\overset{4}{5}$04	"			✓Ma	-7 2389	8 6.8	-7 47	8.5
" "	7$\overset{4}{5}$05	"			✓Ma	-7 2452	8 15.8	-7 5	6.5
" "	7$\overset{4}{5}$06	"			✓Ma	-6 2690	8 34.5	-6 6	8.9
" "	7$\overset{4}{5}$07	"			✓Md 8	-5 2550	8 22.5	-5 50	8.4
" "	7$\overset{4}{5}$08	"			✓Ma	-4 2299	8 12.0	-4 5	8.5
" 30	7$\overset{4}{5}$09	35876			✓Mb	+47 1258	5 59.4	+347 43	8.0
" "	7$\overset{4}{5}$10	"			✓Md 7	(Est. $\overset{1855}{\cancel{1900}}$)	6 $\overset{0.9}{x}$	+50.315	
" "	7$\overset{4}{5}$11	"			✓Mb	+52 1062	6 9.9	+52 35	8.4
" "	7$\overset{4}{5}$12	"			✓Mb o-c	+56 1101	6 4.1	+56 45	7.0
" "	7$\overset{4}{5}$13	35877			✓Na	+17 1973	8 47.2	+17 47	6.5
" "	7$\overset{4}{5}$14	35907			✓Mb o-c	+46 1271	7 17.6	+46 15	6.7
" "	7$\overset{4}{5}$15	"			✓Ma	+46 1282	7 23.6	+46 28	7.3
" "	7$\overset{4}{5}$16	"			✓Mb	+48 1537	7 18.0	+48 13	7.2
" "	7$\overset{4}{5}$17	35908			✓Ma	+28 1544	7 56.2	+28 45	8.8
" "	7$\overset{4}{5}$18	"			✓Mb	+30 1646	7 59.0	+30 56	8.9 1
" "	7$\overset{4}{5}$19	"			✓Ma	+35 1808	8 11.9	+35 47	8.0
Apr. 6	7$\overset{4}{5}$20	35878			✓Pec?	-22 2739	9 44.4	-22 20	6.6
" "	7$\overset{4}{5}$21	35912			✓Mb	-11 3291	12 15.8	-11 0	6.8
" "	7$\overset{4}{5}$22	"			✓Ma	-10 23442	12 11.7	-10 43	9.0
" "	7$\overset{4}{5}$23	"			✓Ma	-9 3492	12 18.1	-9 14	8.3
" "	7$\overset{4}{5}$24	"			✓Ma	-3 3271	12 14.4	-3 35	7.7
" "	7$\overset{4}{5}$25	35917			✓Ma	+12 2796	15 3.6	+12 13	6.5
" "	7$\overset{4}{5}$26	"			✓Mb	+14 2845	15 5.3	+14 54	9.2
" "	7$\overset{4}{5}$27	35892			✓Ma	+1 2519	10 58.6	+1 60	8.0
" "	7$\overset{4}{5}$28	"			✓Ma	+4 2452	11 14.0	+4 44	8.5

Type III Var. ? Known
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" " Var ? RV Hydrae
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" " RT Hydrae ? var
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" " var. X Aurigae
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" IV var ? Known X Cancri.
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Var ? Known Y Hydrae
Type III
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Objects of Interest on Northern Spectrum Plates

1909	No	No Plate	V	HC	Object	D.M.No.	R.A.	Dec.	Magn.	
Apr. 6	7$\overset{4}{5}$29	35892			√ Ma	+6 2387	10 53.5	+6 7	8.5	
" "	7$\overset{4}{5}$30	"			√ Ma	+6 2397	10 56.8	+6 0	8.2	
" "	7$\overset{4}{5}$31	"			√ Ma	+6 2434	11 12.6	+6 27	9.0	
" "	7$\overset{4}{5}$32	35903			√ Mt	+7 2627	13 9.1	+7 16	7.0	
" "	7$\overset{4}{5}$33	"			√ Mt	+12 2545	12 56.8	+12 1	8.0	
" "	7$\overset{4}{5}$34	"			√ Mt	+13 2655	13 11.4	+13 40	8.5	
" "	7$\overset{4}{5}$35	35914			√ Mt5					
" "	7$\overset{4}{5}$36	"			√ Ma	+49 2018 +50 1809	10 59.3 11 8.8	+49 58 +50 45	8.4 8.7	
" "	7$\overset{4}{5}$37	"			√ Ma	+52 1541	11 0.9	+52 10	7.2	
" "	7$\overset{4}{5}$38	"			√ Md?	~~+52 1565~~ (Est. 1855)	~~11 19.2~~ 11 19.4	~~+52 12~~ +52 ~~8~~ 15	~~9.5~~	Adjacent
" "	7$\overset{4}{5}$39	"			√ Ma	+53 1444	10 48.0	+53 55	8.5	
" "	7$\overset{4}{5}$40	"			√ Ma	+54 1414	10 57.4	+54 38	7.1	
" "	7$\overset{4}{5}$41	"			√ Ma	+56 1510	11 10.1	+56 4	8.7	
" "	7$\overset{4}{5}$42	35916			√ Mt	+8 2665	12 51.9	+8 42	8.2	
" "	7$\overset{4}{5}$43	"			√ Mt	+10 2461	12 36.0	+10 54	8.1	
" "	7$\overset{4}{5}$44	"			√ Mt	+12 2529	12 48.2	+12 17	7.3	
" "	7$\overset{4}{5}$45	35918			√ Ma	+1 2115	8 24.0	+1 24	8.5	1
" "	7$\overset{4}{5}$46	35919			√ Mt	-11 2570	9 3.4	-11 2	8.5	
" "	7$\overset{4}{5}$47	"			√ Ma	-7 2813	9 21.1	-7 5	7.2	
" "	7$\overset{4}{5}$48	"			√ Ma	-4 2566	9 5.8	-4 36	8.5	
" "	7$\overset{4}{5}$49	35920			√ Mt	+11 2288	10 42.9	+11 6	8.7	
" "	7$\overset{4}{5}$50	35921			√ Ma	+2 2560	12 31.0	+2 40	6.0	
" "	7$\overset{4}{5}$51	"			√ Mt	+6 2606	12 16.8	+6 47	8.1	
" "	7$\overset{4}{5}$52	"			√ Ma	(Est. 1855)	12 22.$\overset{5}{\cancel{8}}$	+6 $\overset{50}{9}$		
" "	7$\overset{4}{5}$53	"			√ Ma	+7 2545	12 20.0	+7 37	9.2	
" "	7$\overset{4}{5}$54	"			√ Mc5	+8 2614	12 25.8	+8 3	9.0	
" "	7$\overset{4}{5}$55	35925			√ Md8	+50 557	2 18.8	+50 38	9.0	
Apr. 16 ~~Mar. 27~~	7$\overset{4}{5}$56	35894 ~~35888~~			√ Ma	-14 4121	14 59.4	-14 7	8.0	
" "	7$\overset{4}{5}$57	"			√ Ma	-13 4111	15 6.3	-13 40	7.0	

Type III
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" " Var? Not confirmed on 20 chart plates See cover I 35914
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" " Pec.?
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" " Var? Not confirmed. See cover I 35921
" " RR Persei.
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Objects of Interest on Northern Spectrum Plates

1909	No.	Plate. No.	V.	H.	Object.	D.M. No.	R.A.	Dec.	Magn.
Apr. 16	7~~5~~458	35895			✓ Ma	+65 998	14 28.9	+65 46	9.0
.. ..	7~~5~~459	..			✓ Ma	+67 822	14 1.4	+67 2	8.5
.. ..	7~~5~~460.	..			✓ Mf	+67 835	14 19.3	+67 12	7.3
.. ..	7~~5~~461	35896			✓ Ma	-22 3879	14 52.1	-22 16	8.0
.. ..	7~~5~~462	..			✓ Ma	-19 3991	14 50.4	-19 8	8.5
.. ..	7~~5~~463	..			✓ Ma	-18 3951	14 53.3	-18 14	8.0
.. ..	7~~5~~464	..			✓ Ma	-14 4121	14 59.4	-14 7	8.0
.. ..	7~~5~~465	35897			✓ Mf	+14 711	4 22.9	+14 47	7.3
.. ..	7~~5~~466	..			✓ Ma	+22 686	4 15.1	+22 37	8.0
.. ..	7~~5~~467	35899			✓ Ma	+31 992	5 21.2	+31 24	7.1
.. ..	7~~5~~468	35900			✓ Mcsd?	(Est. 1855)	5 ~~15~~ 14.1	+65 ~~9~~ 55	
.. ..	7~~5~~469	..			✓ Mcsd?	+68 368	4 55.4	+68 28	8.8
.. ..	7~~5~~470	..			✓ Ma	+69 '319	5 9.2	+69 6	8.0
May 14	7~~5~~471	36000			✓ Mf	-8 2343	8 17.4	-8 3	7.4
.. ..	7~~5~~472	36001			✓ Mdb	-18 3367	12 12.1	-18 27	var.
.. 27	7~~5~~473	36003			✓ Ma	+32 2917	17 20.8	+32 39	8.9
.. ..	7~~5~~474	..			✓ Ma	+32 2910	17 19.2	+32 26	8.8
.. ..	7~~5~~475	..			✓ Ma	+29 3054	17 28.8	+29 51	8.1
.. ..	7~~5~~476	..			✓ Ma	+29 2946	17 3.1	+29 44	8.8
Oct. 16	7~~5~~477	36233			✓ Ma	+76 81	2 19.1	+76 4	7.0
.. ..	7~~5~~478	36232			✓ Md	+4 4975	23 3.9	+4 13	7.1
.. ..	7~~5~~479	36234			✓ Ma	+67 1226	20 4.3	+67 37	7.0
.. ..	7~~5~~480	..			✓ Ma	+68 1062	19 24.0	+68 44	7.3
.. ..	7~~5~~481	..			✓ Mc	+69 1058	19 35.9	+69 28	8.0
.. ..	7~~5~~482	..			✓ Ma	+71 1005	20 11.1	+71 17	8.2
.. ..	7~~5~~483	..			✓ Ma	+72 945	20 15.9	+72 8	7.0
.. ..	7~~5~~484	..			✓ Ma	+73 854	19 15.5	+73 38	8.2
.. ..	7~~5~~485	..			✓ Na	+76 734	19 26.6	+76 17	6.5
.. ..	7~~5~~486	36235			✓ Ma	+59 2196	20 9.5	+59 53	8.2

Type III
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" " Var? Not confirmed see cover I 35900
" " Var.? suspected before by Espin. slight Chang Change see cover I 35900
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Var? R Corvi.
Type III
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" " Var? "The apparent br. lines in this spectrum may be due to the poorness of the image". Not confirmed on 29 chart plates see cover 36232
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" IV Var? Known
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Objects of Interest on Northern Spectrum Plates.

1909	No	Plate No	λ	Hδ	Object	D.M. No.	R.A.	Dec.	Magn.
Oct. 16	$7\overset{4}{5}87$	36235			✓ Ma	+60 2094	20 7.8	+60 56	7.8
" "	$7\overset{4}{5}88$	"			✓ Ma	+61 1958	19 59.1	+61 59	8.0
" "	$7\overset{4}{5}89$	"			✓ Ma	+62 1760	19 47.8	+62 11	8.2
" "	$7\overset{4}{5}90$	36236			✓ Ma	+81 666	19 32.7	+81 30	7.5
" "	$7\overset{4}{5}91$	36240			✓ Ma	-14 765	3 45.5	-14 18	8.0
" "	$7\overset{4}{5}92$	36241			✓ Ma	-17 5746	19 38.8	-17 26	7.0
" "	$7\overset{4}{5}93$	36242			✓ Ma	-11 5370	20 27.4	-11 50	8.4
" "	$7\overset{4}{5}94$	36243			✓ Ma	-11 5777	22 4.6	-11 47	7.3
" "	$7\overset{4}{5}95$	"			✓ Ma	-13 6180	22 17.0	-13 42	8.0
" "	$7\overset{4}{5}96$	35850			✓ Mc	-5 2550	8 22.5	-5 50	8.4
" "	$7\overset{4}{5}97$	36214			✓ Md	+64 1176	17 7.6	+64 31	9.2
" "	$7\overset{4}{5}98$	"			✓ Ma	+67 942	16 28.0	+67 22	6.8
" "	$7\overset{4}{5}99$	36218			✓ Ma	+78 762	21 47.5	+78 21	7.8
" "	$7\overset{5}{6}00$	"			✓ Ma	+79 721	21 56.4	+79 37	6.4
" "	$7\overset{5}{6}01$	36219			✓ Mc	+84 516	22 54.0	+84 16	8.0
" "	$7\overset{5}{6}02$	36221			✓ Ma	+67 933	16 14.0	+67 37	8.7
" "	$7\overset{5}{6}03$	"			✓ Ma	+67 942	16 28.0	+67 22	6.8
" "	$7\overset{5}{6}04$	36222			✓ Ma	-13 6178	22 16.8	-13 55	8.3
" "	$7\overset{5}{6}05$	"			✓ Mf	-13 6170	22 14.0	-13 17	8.7
" "	$7\overset{5}{6}06$	"			✓ Ma	-11 5777	22 4.6	-11 47	7.3
" "	$7\overset{5}{6}07$	"			✓ Ma	-11 5765	22 1.4	-11 14	8.7
" "	$7\overset{5}{6}08$	"			✓ Ma	-11 5756	$2\overset{1}{2}$ 59.6	-11 9	6.8
" "	$7\overset{5}{6}09$	36223			✓ Ma	-13 6407	23 19.9	-13 44	7.0
" "	$7\overset{5}{6}10$	"			✓ Mf	-13 6408	23 20.6	-13 1	7.7
" "	$7\overset{5}{6}11$	36228			✓ Ma	+62 2310	23 43.4	+62 56	6.9
" "	$7\overset{5}{6}12$	36230			✓ Mf	+17 4183	19 $53.\overset{5}{6}$	+17 7	5.8
" "	$7\overset{5}{6}13$	"			✓ Br. line?	(Est. 1855)	19 42.1	+17 8 51	
" "	$7\overset{5}{6}14$	"			✓ Ma	+18 4216	19 38.0	+18 14	7.0
" "	$7\overset{5}{6}15$	36231			✓ Ma	+-1 4057	20 41.8	-1 6	6.8

Type III
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" " RT Hydrae.
" " Var Known
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announced 1980 Jun 19 WW. ~~+17 57~~ +17 57 " " V ? New Type V
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Objects of Interest on Northern Spectrum Plates

	No	No Plate	V	H	Object	D.M. No	R.A.	Dec.	Magn.
1910 Feb. 26	7$\overset{5}{6}$16	16113			√ Md6		(14)9 47.1	+46 53	9.0
Mar. 10	7$\overset{5}{6}$17	36625			√ Md	+11 1370a	6 48.8	+11 26	var.
" "	7$\overset{5}{6}$18	36626			√ Mc	-5 2550	8 22.5	-5 50	8.4
1911 Jan. 24	7$\overset{5}{6}$19	37029			√ Mcsd	+30° 428	2 32.4	+30 35	8.9
" "	7$\overset{5}{6}$20	"			√ Md5	+33° 425	2 16.5	+33 13	7.2
" "	7$\overset{5}{6}$21	"			√ Md6	+33° 470	2 28.3	+33 38	Var.
" "	7$\overset{5}{6}$22	"			√ Mcsd	+33° 490	2 32.7	+33 54	8.4
" "	7$\overset{5}{6}$23	"			√ Mf	+35° 531	2 31.7	+35 24	8.1
" "	7$\overset{5}{6}$24	"			√ Mf5-c	+36° 491	2 18.4	+36 18	7.7
Apr. 11,	7$\overset{5}{6}$25	37052			√ Br. lines.	Announced 1900 por	22 32	+52 ~~15~~ 12	
" "	7$\overset{5}{6}$26	37108			√ Mf5	+56° 1205	7 10.3	+56 4	8.7 ~~8.7~~
" "	7$\overset{5}{6}$27	37113			√ Mf	+13 2440	11 33.3	+13 53	8.6
" "	7$\overset{5}{6}$28	"			√ Mf	+12 2362	11 33.0	+12 0	8.8
" "	7$\overset{5}{6}$29	37114			√ Mf	+13 2440	11 33.3	+13 53	8.6
" "	7$\overset{5}{6}$30	"			√ Mf	+12 2362	11 33.0	+12 0	8.8
" "	7$\overset{5}{6}$31	"			√ Mf	+8 2532	11 31.0	+8 56	6.1
" "	7$\overset{5}{6}$32	"			√ Ma	+15 2357	11 30.$\overset{7}{8}$	+15 22	9.0
" "	7$\overset{5}{6}$33	37115			√ Mf5c	-1 2942	14 14.1	-1 43	8.5
" "	7$\overset{5}{6}$34	"			√ Ma	+4 2849	14 11.8	+4 51	8.7
" "	7$\overset{5}{6}$35	"			√ Ma	+4 2841	14 7.6	+4 0	6.7
" "	7$\overset{5}{6}$36	"			√ Ma	+3 2886	14 17.3	+3 11	8.7
" "	7$\overset{5}{6}$37	"			√ Ma	+1 2911	14 11.4	+1 55	8.5
" "	7$\overset{5}{6}$38	"			√ Ma	-1 2951	14 17.1	-1 40	7.5
" "	7$\overset{5}{6}$39	37119			√ Ma	+37 1308	5 35.9	+37 36	7.1
" "	7$\overset{5}{6}$40	"			√ Mf5	+34 1272	5 59.4	+34 55	7.7
" "	7$\overset{5}{6}$41	"			√ M~~f~~a	+35 1225	5 35.6	+35 38	8.7
" "	7$\overset{5}{6}$42	"			√ Ma	+32 1109	5 42.0	+32 5	6.6
" "	7$\overset{5}{6}$43	37121			√ Ma	+35 1722	7 50.0	+35 5	7.0
" "	7$\overset{5}{6}$44	"			√ Ma	+32 1613	7 34.2	+32 46	7.8

Var. RV Cassiop. oo 4746.
Var. Y Monoc.
" RT Hydrae.
Var? Found before by Miss Leland -
Var? 41 chart plates show slight, if any, evidence of Variation see note on plate cover.
Var. H 810, H 8, 30 R. Triang.
Var? New

Nova Lacertae

Type III
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Objects of Interest on Northern Spectrum Plates

1911	No	No Plate	V	H	Object	D.M. No.		R.A.		Dec		Magn
						°		h	m	°	'	
Apr. 11	7645	37122			√ Ma	+35	1808	8	11.9	+35	47	8.0
"	" 7646	"			√ Ma	+32	1722	8	12.3	+32	56	8.0
"	" 7647	"			√ Mcsd	+36	1735	7	54.2	+36	45	7.0
"	" 7648	37123			√ Ma	+47	2003	12	48.3	+47	59	5.8
"	" 7649	"			√ Sa	+46	1817	12	38.3	+46	13	5.5
"	" 7650	"			√ Ma	+47	~~1997~~ 1998	12	46.7	+47	27	7.0
"	" 7651	"			√ Ma	+46	1839	12	56.2	+46	9	7.7
"	" 7652	37144			√ Md 3	+12	2753	14	44.1	+12	46	8.0
"	" 7653	37145			√ Sa	+76	734	19	26.6	+76	17	6.5
"	" 7654	37148			√ Ma	+29	1860	8	55.7	+29	51	8.0
"	" 7655	"			√ Mcsd	+31	1946	9	1.9	+31	34	6.5
"	" 7656	37151			√ Sa	+76	734	19	26.6	+76	17	6.5
"	" 7657	37152			√ Ma	+41	2292	12	16.7	+41	32	7.5
"	" 7658	37153			√ Ma	+43	2083	11	1.5	+43	60	6.5
"	" 7659	37155			√ Pec.	+33	2399	13	55.5	+33	32	9.0
"	" 7660	37156			√ Mc	+33	2482	14	33.2	+33	10	8.3
"	25 7661	37172			√ Ma	+62°	2010	21	54.6	+62	0	7.0
"	" 7662	37173			√ Mb5c	+39	2193	8	54.5	+39	18	7.0
"	" 7663	37176			√ Mb	+39	2193	8	54.5	+39	18	7.0
	7664	On the following plates Mrs. Fleming did not finish the Cl. of Sp. [illegible]										
Dec. 6, 1901	7665	28017			√ Md	+26	43	0	14.8	+26	10	8.7
						Hartwig's pos. (1855)		0	24.8	+25	14'	
"	" 7666	"			√ Mc	~~+25~~	~~68~~	~~0~~	~~25.0~~	~~+25~~	~~13~~	~~9.4~~
Apr. 23, 1910	7667	31462			√ Sa	+31	1388	6	32.8	+31	35	8.1
" 1, 1904	7668	31573			√ Pec.	DM. −2°	3939	14 56	28.8	−2	17.1	9.6 (1855)
	7669	31681			√ "	DM. −2°	3939	14	58.8	−2	28	9.6 (1900)
May 17, 1907	7670	34674			√ Mb	−0	2668	13	5.3	−0	59	7.3
" " "	7671	"			√ Mcsd	−2	3653	13	6.6	−2	2	8.2
Dec. 4, 1907	7672	35008			√ Mc	+65°	1439	20	11.5	+65	49	9.1
" " "	7673	"			√ Ma	+71°	1005	20	11.1	+71	17	8.2

Var?

Pec. Var? Known

Var?

Type IV Var? Known

Pec.

Var?

Var?

Type III

" "

" "

~~F. U. And.~~

Var. Known as IV Type var. DM +31° 1388.

Var. 16 Ch. plates of show very slight evidence of var. See BL. 15, p. 54
not to be meas. or announced as var. without further notice.

{ Type IV Pec. New on I 3135-73. Announced as Type IV Pec. in Cir. 92.
{ and Dark Bands Type VI in Cir. 145;

" III

Var?

Objects of Interest on Northern Spectrum Plates.

	No	Plate No	V	H	Object	DM No	R.A.	Dec	Magn.
Mar. 10, '09.	7~~6~~574	35~~867~~978			✓ Sa Pec.	DM −22° 2739 (1900)	9 46.4	−22 33	
	7~~6~~575	35987			✓ Md 7	DM + 27° 2400 (1900)	14 32.8	+27 10	
	7~~6~~576	35988			✓ Mc5d	Announced 1900 pos.	15 18.5	−22 33	
	7~~6~~577	"			✓ Cl R	CDM −24° 12084	15 20.4	−24 44	7.6
Apr. 30, '09.	7~~6~~578	35991			✓ Md. Var.	DM. +61° 1313 (1900)	12 39.6	+61 38	
May 19, '09	7~~6~~579	36028			✓ Cl. A.	DM. + 81° 25 (1900)	0 53.4	+81 20	
" " "	7~~6~~580	"			"				
	7~~6~~581	36075			✓ Md 6	Announced 1900 pos.	18 32.7	+25 58	
June 26, '09.	7~~6~~582	36077			✓ Md 10	DM. +15° 2918	15 46.1	+15 26	~~5.6~~ (1900)
" " "	7~~6~~583	36079			✓ Type IV	DM. +68 617	10 35.0	+68 10	
	7583a	"			✓ Md 4	DM. +69° 587	10 37.6	+69 18	~~7.0~~(1900)
	7~~6~~584	36082			✓ Md 8	DM. + 8° 3780	18 33.6	+ 8 44	~~6.5~~(1900)
	7~~6~~585	36087			✓ Md 4	DM +69° 587	10 37.6	+69 18	~~7.0~~(1900)
	7~~6~~586	"			✓ Type IV	DM. +68° 617	10 35.0	+68 10	
	7~~6~~587	36089			✓ Md 8	DM. +15° 2918	15 46.1	+15 26	~~5.6~~(1900)
	7~~6~~588	36099			✓ Md	" +8° 3780	18 33.6	+8 44	~~6.5~~ (1900)
	7~~6~~589	"			✓ Mc5d	DM. +9° 3809	18 33.1	+9 51	
	7~~6~~590	36100			✓ Md	DM +32° 3593	19 46.7	+32 40	~~4.0~~ (1900
	7~~6~~591	36102			✓ Md 7	DM. +32° 3593	19 46.7	+32 40	4.0 (1900)
	7~~6~~592	36198			✓ Md 8	DM +8° 3970	19 1.6	+8 5	~~5.8~~ (1900)
	7~~6~~593	36201			✓ Md	" −3° 353	2 14.3	−3 26	~~1.7~~ (1900)
	7~~6~~594	36206			✓ Pec.	" +47° 3077	20 16.5	+47 35	6.7
	7~~6~~595	36208			✓ Md 8		2 11.2 ~~1 9.8~~	+43 50 ~~+40 11~~	~~8.9~~ (1900)
	7~~6~~596	36210			✓ Pec.	DM +47 3077	20 16.5	+47 35	6.7
	7~~6~~597	36215			✓ Md 8	DM. +8° 3970	19 1.6	+ 8 5	(1900)
	7~~6~~598	36256			✓ Sa	" + 47 3077	20 16.5	+47 35	
	7~~6~~599	36257			✓ Md 6	+39° 4851	22 24.6	+39 48	~~8.0~~ (1900)
	7~~7~~600	36258			✓ Md 2 or 3	+37° 58	0 18.8	+38 1	~~6.0~~ (1900)
	7~~7~~601	36260			✓ Md 10	+ 9 5158	23 1.6	+10 0	(1900)
	7~~7~~602	36264			✓ Md?	+1° 685	3 50.9.	+1 2	7.4

Var. Y Hydrae.
Var.* R Bootis.
.. RS Librae.
Type VI
S Ursae Maj.
U Cephei Hydrogen lines ft. + narrow.
.. .. ,
RZ Herculis.
Var. R Serpentis,
~~R Urs. Maj.~~
R Urs. Maj.
χ Ophiuchi
R Urs. Maj.
Var?
R Serpentis.
χ Oph.
Var? About 0.6 change - Better not announce suspected before on I 11226
χ Cygni.
χ ..
R Aquilae.
o Ceti.
Var? U Cygni.
~~U~~ W And.
U Cygni.
R Aquilae.,
U Cygni,
S Lacertae,
R Androm.
R Pegasi.
Var? 23 chart plates exam. show no evidence of variation see note on cover 36264

Objects of Interest on Northern Spectrum Plates

	No	No Plate	V	H	Object	D.M. No	R.A.	Dec.	Magn.
	7~~7~~603	36267			✓ Sta?	DM +38° 3957	20 8.1	+38 17	var.
Nov. 10, '09	7~~7~~604	36272			✓ Md 9	DM -3° 353	2 12.0	-3 38	var.
" "	7~~7~~605	36278			✓ Md 7	Announced 1900 pos.	20 8.0	+12 42	
" "	7~~7~~606	36279			✓ Md?	DM +15° 4172	20 22.5	+15 47	8.3
" 16, "	7~~7~~607	36305			✓ Mc3d	DM -8° 5858	22 14.1	-8 20	8.5
Dec. 4, "	7~~7~~608	36330			✓ Gas. Stel.	DM -12° 1172 (1900)	5 22.8	-12 46 (1900)	
Jan. 3, '10	7~~7~~609	36370			✓ Br. Line	DM +43° 3571	20 15.6	+43 24	7.5
Dec. 1909	7~~7~~610	36387			✓ Md 4	DM +61° 1313	12 37.6	+61 53	var.
" "	7610a	"			✓ Ma	DM +62 1258	12 43.2	+62 50	9.4
" "	7610b	"			✓ Mb	DM +65° 904	12 43.6	+65 27	9.4
" "	7~~7~~611	36388			✓ Md 9	DM +40° 2694 (1900)	13 44.6	+40 2 (1900)	
	7~~7~~612	36401			✓ Md	DM -13° 479	2 26.8	-13 47	8.5
	7~~7~~613	36413			Br. Lines	DM -12° 1172	5 20.8	-12 49	9.2
Jan. 18, '10	7~~7~~614	36507			✓ Sta	DM +28° 707	4 42.4	+28 16	8.1
Feb. 3 "	7~~7~~615	36531			✓ Sta	DM +1° 2694	12 17.8	+1 35	8.1
" 8, "	7~~7~~616	36546			Gas. Stel.	DM -17° 3140	10 17.8	-17 54	neb.
~~Apr. 8,~~ "	7~~7~~617	36558			✓ Br. lines	CDM -23° 4553 (1900)	6 50.0	-23 48 (1900)	7.5
Apr. 8, "	7~~7~~618	36604			Cl. Sta 5	DM -17° 2442	8 13.2	-17 49 (1855)	9.1
" " "	7~~7~~619	36606			✓ Br. lines	DM -17° 3140	10 17.8	-17 54	neb.
" " "	7~~7~~620	36607			✓ Class R	DM -13° 3407	11 28.4	-13 47	8.5
	7~~7~~621	36633			✓ Na ~~Ma~~	DM -22° 2739	9 44.4	-22 20	6.6
	7~~7~~622	36634			✓ Sta	DM +1° 2694 (1900)	12 20.1	+1 19 (1900)	
" 18, '10	7~~7~~623	36635			✓ Mt5	DM -5° 3424 (1900)	12 2.1	-6 12 (1900)	
~~"~~	~~7724~~	~~"~~			~~Me~~				
" 8, "	7~~7~~625	36651			✓ Sta	DM +68° 617	10 35.0	+68 10	6.2
" 11, "	7~~7~~626	36661			✓ Mt	DM +12° $\overset{2}{3}307$	11 3.0	+12 5	7.0
May 23, '10	7~~7~~627	36701			✓ Md?	DM +49° 2999	19 20.7	+49 57	7.5
" " "	7~~7~~628	36702			Md5	DM +47° 2291	15 58.3	+47 38	var.
" " "	7~~7~~629	36705			✓ Mc5d	DM +26° 2563	14 17.7	+26 23	var.
June 23, '10	7~~7~~630	36724			✓ Cont.	DM +2° 2943	15 11.2	+2 37	neb.
" " "	7~~7~~631	36728			✓ Pec.	CDM -24° 12084	15 20.4	-24 44	7.6

IV? R.S. Cygni. 20 9.8 +38 28 Announced 1900 pos.
Var. o Cete. Announced 1900 pos = 2 14.3 -3 26
Var? R U Aquilae.
Var? R S. Delphini Announced 1900 pos. 20 24.6 +15 56
Var.? Known - Aquarii Announced 1900 pos. 22 16.5 - 8° 7'
Known St. G.C. 418.
V Type Known DM +43° 3571.
S Ursae Maj.
R Canum Venat.
U Cete.
Gas. Neb. Hβ, γ, δ, ε ζ bright. Known
Var. Known Type IV DM +28 707.
Var. Known SS Virginis.
Known DM -17° 3140.
Type V HP 1311.
Class R Type IV - VI DM -17 2442. Known as IV
Gas. Neb. Known DM -17° 3140.
Type VI Known DM -13° 3407.

SS Virginis
R Virginis "Mc" on cover in Prof. Pickering's writing

Known IV type DM +68° 617.

Var? +49° 2999. 41 chart plates show slight change if any; see note on cover I 33542
Var. χ Herculis. DM +47° 2291. Known.
Var. Known DM +26° 2563.
Known DM +2° 2943.
Type VI? Known 15 21.9 - 24 50 (1900)

Objects of Interest on Northern Spectrum Plates

	No	No Plate	V	H	Object	D.M. No.	R.A.	Dec.	Magn.
July 25, '10	7~~7~~632	36731			✓ Md 8	+15° 2918	15 44.0	+15 35	var.
″ ″ ″	7~~7~~633	36759			✓ Br. lines	+43° 3571	20 15.6	+43 24	7.5
Oct. 18, '10	7~~7~~634	36891			✓ Md 8	+43° 461^a	2 8.4	+43 38	var.
″ ″ ″	7~~7~~635	″			✓ Md 10	+44° 398	1 49.8	+44 42	8.0
″ ″ ″	7~~7~~636	″			✓ Br. lines	+46° 520	1 39.1	+46 22	9.1
″ ″ ″	7~~7~~637	36893			✓ Md 3	+22° 1577	6 58.6	+22 55	Var.
	7~~7~~638	36971			✓ Md 1	+37 58	0 16.4	+37 46	var.
	7~~7~~639	36981			✓ Md 8	Announced 1900 pos.	0 41.9	+32 8	
	7~~7~~640	36982			✓ Mc	−3° 3$\overset{5}{\cancel{4}}$3	2 12.0	−3 38	var.
to gch.	7~~7~~641	37038			✓ Md 1	+10° 1428	7 0.7	+10 15	Var.
Apr. 11, '11.	7~~7~~642	37160			✓ Na	+76° 734	19 26.6	+76 17	6.5
″ ″ ″	7~~7~~643	″			✓ Ma	+74° 854	20 16.7	+74 58	7.8
1910 Jan. 17	7~~7~~644	36475			✓ Md	−3° 1685	6 53.8	−3 3	7.7
″ ″	7~~7~~645	″			✓ Na	−2° 2101	7 18.0	−2 52	9.0
Feb. 19	7~~7~~646	36579			✓ Na	DM +41° 1556	(1900) 6 50.15.8 (1855) 6 47 5.8	+41 14.4 +41 17.5	9.3
″ ″	7~~7~~647	″			✓ Ma	DM +40° 1696	6 34.1	+40 45.8	7.0
″ ″	7~~7~~648	″			✓ Ma	DM +40° 1833	7 9.4	+40 18.2	8.9
″ ″	7~~7~~649	″			✓ Mb	DM +40° 1793	6 57.2	+40 59.7	8.8
″ ″	7~~7~~650	″			✓ Na?	DM +38° 1539	6 26 34.8	+38 33.4	6.3
Oct. 10	7~~7~~651	36892			✓ Md 1	″ +32 957	5 15.3 (1900) 5 12.4	+32 24.5 +32 21.4 ~~49.3~~	9.3
Aug 26 '03	7~~7~~652	30710			✓ Br. line?	Approx 1855 pos.	18 18.9	+31 50	
″ ″ ″	7~~7~~653	″			✓ Type III	DM +36° 3243	18 37.8	+36 49	7.5
Sept. 24 '03	7~~7~~654	30846			✓ Mc	DM +28° 3055	18 35.8	+28 41	9.3
″ ″ ″	7~~7~~655	″			✓ Br. line	DM +29° 3233	18 13.3	+29 18	9.5
″ ″ ″	7655a	25480			✓ Mc	DM +28° 3055	18 35.8	+28 41	9.3
″ ″ ″	7~~7~~656	30886			✓ Md ?.	Approx 1855 pos	18 50.9	−7 34	
Oct. 1903	7~~7~~657	30918			✓ Type IV	DM −15° 4923	18 13.6	−15 39	(1900)
″ ″	7~~7~~658	″			✓ Type V	DM −11° 4593	18 11.0	−11 41	(~~1900~~ 1855)
″ ″	7~~7~~659	30934			✓ Mc,	DM −16° 5538	20 10.8	−16 18	8.0 ∧
″ ″	7~~7~~660	30937			✓ Type IV	DM +2° 4709	23 39.0	+2 41	6.2

R Serpentis

Type V Known DM + 43 3571.

Known U Androm.

Var? 31 chart plates show slight change but not enough to announce. See note on cover I 26652

Var? DM+46° 520. 18 chart plates show no evidence of variation. See note on cover of plate; See Spect plate I 19655

R Gemini. 7 1.3 +22 52 = announced 1900 pos.

R Androm. 0 18.8+38 1 = announced 1900 pos.

R U Androm. Hγ? H δ100.

o Ceti.

Known R Can. Mini. 7 3.2 + 10 11 (announced 1900 pos.)

Rec. Type IV DM+76 434.

-3° 1685 No evidence of variation found on 25 chart plates. See note on plate cover.

Type IV Known Var? 19 chart plates show slight if any change. See note on plate cover

{Var? Conf. by A.J.C. New IV Type + new var. chart plates: 27916, 10124, 10896, 26069, 26746, 5648, 21881, 12446, 7728, 5540, 6937, 8051
{22480, 17111, 14729, 20432, 20269. confirm var. The first four plates in this list alone prove
{star to be var. L.D.W. Feb. 19, 1909.

Var? Known - Aurigae

{Var? New. Conf. by L.D.W. chart plates AC series. This star
{was called Type V by Espin Liverpool I 9 1886.

Spectrum plate I 15829 + chart plate I 25137 examined by Mrs. F. They show no star where br. line, prob. defect.

Var? Known Type IV Var.

Var? New see also I 25480

Type V? Br. line not conf: on I ~~30846~~

Var? found on I 30846 - see above.

Var? On Spect plate B 10163 this star seems to be Type I Mrs F. says "O. D 16 chart plates show no evidence of variation Prob. defect on this plate"

Var? Known

Known

Var? New.

Var? Known Type IV 23 chart plates exam. by Mrs. F. who finds "slight variation" "not more than 0.5 magn." Not to be announced unless more variation is found.

Objects of Interest on Northern Spectrum Plates.

	No.	Plate No.	V	H	Object	D.M. No.	R.A.	Dec.	Magn.
Nov. 11 1903	7~~7~~661	31039			Br. lines				
Oct. 1903	7~~7~~662	31047		✓	Type IV	DM. +53° 379	1 35.9	+53 14	9.4
Dec. 3 1903	7~~7~~663	31064		✓	Md.	DM. +9° 5158	22 ~~22.2~~ 59.4	+9 46	Var.
" " "	7~~7~~664	"		✓	Mesd		23 15.5	+8 22	(1900)
" " "	7~~7~~665	"		✓	Mc	DM. +9° 5191	23 9.5	+9 49	8.5
" " "	7~~7~~666	"		✓	Pec.	DM. +5° 5183	23 23.0	+5 38	7.8
Nov. 1903	7~~7~~667	31073		✓	Br. lines	DM. −2° 89	0 33.3	−2 39	9.4
Nov. 29 1903	7~~7~~668	31134		✓	Br. lines	DM. +41° 4004	21 1.6	+41 39	8.5
" " "	7~~7~~669	31143		✓	Mc.	DM. −7° 57	0 19.7	−7 24	9.1
Dec. 4 1903	7~~7~~670	31183		✓	Br. lines	A.G.C. 8631	6 50.0	−23 48	(1900) = HP. 1311
Dec. 1903	7~~7~~671	31193		✓	Mc.	DM. +15° 4172	20 22.5	+15 47	8.3
Dec. 1903	7~~7~~672	31268		✓	Type IV	DM. −3° 1685	6 53.8	−3 3	7.7
Jan. 1904	7~~7~~673	31302		✓	Type V	Announced pos. (1900)	22 23.7	+55 46	
" "	7~~7~~674	"		✓	Type V	DM. +56° 2818	22 31.2	+56 9	8.9
" "	7~~7~~675	"		✓	Type V	DM. +55° 2721	22 13.4	+55 24	8.9
" "	7~~7~~676	"		✓ ~~Type V~~	~~[illegible]~~	Announced pos. (1900)	22 19.9	+50 28	
" "	7~~7~~677	"		✓	Type V	Announced pos. (1900)	22 12.9	+55 7	
" "	7~~7~~678	"		✓	Md?	approx pos. 1855	21 49.5	+52 37	
" "	7~~7~~679	"		✓	Md?	approx pos. 1855	21 49.3	+50 36	
Dec 1903	7~~7~~680	31314		✓	Type IV	DM. +53° 66	0 16.7	+53 29	9.3
" "	7~~7~~681	"		✓	Mesd	DM. +54° 48	0 15.4	+54 60	
Jan 9. 1904	7~~7~~682	31322		✓	Type IV	DM. +59° 2810	23 53.9	+59 33	7.8
Jan 19 1904	7~~7~~683	31327		✓	Md?	Approx. 1855 pos.	6 51.9	−11 16	
Jan. 15 1904	7~~7~~684	31364		✓	Br. line?	Approx 1855 pos.	23 4.1	+45 30	
Jan. 28 1904	7~~7~~685	31394		✓	Type IV	DM. −5° 1174	5 2.7	−5 42	8.7
" " "	7~~7~~686	31403		✓	Type IV	DM. +20° 1083	5 37.0	+20 37	Var.
" " "	7~~7~~687	"		✓	Pec.	Approx pos (1855)	5 45.8	+20 0	
Feb. 12 1904	7~~7~~688	31413		✓	Type IV	DM. +38° 1539	6 26.6	+38 33	6.3
" "	7~~7~~689	"		✓	Pec?	Approx pos. (1855)	6 17.9	+37 18	

Var. or Nova? Spect. of Ring neb. Known.

Known.

var. Known R Pegasi

var. ? Known S Pegasi

Var? 17 I Series chart plates show var. of about 0.5 magn. suspected before on 1/4/898 – when ~~Found~~ slight if any change was found.
23 A.M. series show greater change – To be meas.

Br. lines "Prob. due to defect" "Image on edge of plate" "Plate B 10374 shows this star to be Class G."

Var? "Prob. defect on this plate B 24329 does not show bright lines." 25 chart plates show slight if any evidence of variation.

~~Type V~~ Br. lines comp. with I 29838 show these to be nebular lines" "W.P.F." "Dec. 1903"
Known Gas. neb.

Var? Susp. before on several plates. chart plate examined show "slight evidence not more than 0.2 or 0.3 m." see Book, 95 p. 57

311 =CDM −23° 4553 Var? 6 chart plates B Series, 43 AC & AM series, 15 A I Series. examined by Mrs F. ~~37 AM~~ No evidence of variability found. See note on plate cover.

var? New – Also suspected by Espin

Known

Known

Known

Known

New "Comp. with chart pl. I 29546 confirms ~~Type V~~ Gas. neb.

New "Comp. with chart pl. I 29546 confirms Type V.

Var? { An examination of 19 chart plates fails to show any evidence of variation in either
Var? { star. Br. lines may be due to defect? Examine better spect. plates I 31427, I 31429 taken later but not as good as I 31302

Known

var. Known T Cars.

Known

Var? "Br. lines not conf. on I 31385" 23 Chart plate examined "show no evidence of variability" "W.P.F." Jan. 19 1904 see note on cover

"Br. lines evidently edges of Cl. Mb5c" – "Slight if any evidence of variability found" on 27 chart plates. "W.P.F." Feb. 5 1904" See note on cover

Var? Known Type ~~IV~~ 29 chart plates examined and "variation of about 0.5 magn. only; has been found" Not to be announced or meas. unless further evidence is found, ~~[illegible]~~ Mrs F's note on plate cover.

Var? Known Type IV Var. U Tauri

Var? 20 chart plate examined by Mrs. F. show slight evidence of variability (about 0.3 magn.) Not to be announced or meas. See plate cover.

Known

Var? Defect

Objects of Interest on Northern Spectrum Plates

	No	No. Plate cont.	V	H.	Object	D.M. No.	R.A.	Dec.	Magn.
Feb. 12 1904	7790	31413		✓	Pec?	approx pos. (1855)	6 18.0	+37 17	
March 20 1904	7791	31427		✓	Type V	D.M. +55° 2721	22 13.4	+55 24	8.9
March 3 1904	7792	31463		✓	Type IV	D.M. +42° 1571	6 24.4	+42 36	9.3
''	7793	''		✓	Type IV	D.M. +38° 1539	6 26.6	+38 33	6.3
March 5 1904	7794	31498		✓	Type IV	D.M. -3° 1685	6 53.8	-3 3	7.7
March 5 1904	7795	31499		✓	Type IV	D.M. +6° 1462	6 50.6	+6 21	Var.
March 20 1904	7796	31530		✓	Mc5d	D.M. +5° 2708	12 55.3	+5 58	var.
Apr. 8 1904	7797	31560		✓	Mc5d	D.M. +13° 2045	9 0.5	+13 48	9.0
Apr. 1904	7798	31562		✓	Mc5d	D.M. +56° 1615	12 35.8	+56 23 (1900)	8.2
Apr. 8 1904	7799	31565		✓	Type IV	D.M. +43° 726	3 17.9	+43 40	var.
'' '' ''	7800	''		✓	Pec.	approx pos. (1855)	3 23.7	+45 16	
Apr. 1 1904	7801	31571		✓	Mc.	D.M. +12° 2096	9 39.8	+12 6	var.
'' '' ''	7802	31587		✓	Pec!	D.M. + 14° 2048	9 5.8	+14 48	8.8
	7803	31591		✓	Gas Neb.	D.M. -17° 3140	10 19.9	-18 8 (1900)	
Apr. 16 1904	7804	31594		✓	Mc5d	D.M. -10° 3353	11 43.7	-10 24	8.4
May 16 1904	7805	31601		✓	Type IV?	D.M. +58 1603	8 56.2	+50 29 (1900)	9.2
May 13 1904	7806	31610		✓	Mc5d	D.M. +12° 2096	9 39.8	+12 6	var.
May 13 1904	7807	31611		✓	Br. line	approx pos. (1855)	11 10.5	-5.4	
May 16 1904	7808	31617		✓	Mc5d	D.M. -17° 3281	10 53.4	-17 33	var.
May 23 1904	7809	31618		✓	Mc5d	D.M. -2° 3280	10 56.2	-2 26	9.0
'' '' ''	7810	31692	Entered	✓	Mc5d	approx pos. 1855	11 46.6	+19 39	
'' '' ''	7811	''	''	✓	Ma.	D.M. +20° 2664	11 52.7	+20 14	6.9
May 21 1904	7812	31720	''	✓	Ma	D.M. +27 2491	15 20.8	+27 47	8.0
''	7813	''		✓	Md	D.M. +31° 2725	15 13.5	+31 53	var.
June 30 1904	7814	31778		✓	Md?	D.M. +14° 2700	14 $\overset{(1.7)}{2}$	$+\overset{13}{14}\ \overset{59}{.0}$ (1900)	
June 20 1904	7815	31804		✓	Md?	D.M. +62° 1190	11 29.3	+62 59	7.0
Sept. 1904	7816	31923		✓	Br. line	D.M. +43° 3571	20 15.6	+43 24	7.5
'' ''	7817	''		✓	Type IV	D.M. +47° 3077	20 15.2	+47 26	Var.
Nov. 18 1909 ~~Apr. 18 1908~~	7818	36269 cont. on next page ~~32997~~		✓	Md 8^{10}	D.M. +33° 470	2 31.0	+33 50 (1900)	

31722 has four objects - Entered directly in Card Catalogue
32161 has seven '' '' '' '' '' ''

Var? Defect.

Known

New Type IV var.

Known

Nd Known Later announced as Type VI Cir. 145

Known Type IV? var.

Var ? Known.

Var ? 21 chart plates examined i show slight change - about 0.4 magn. which may be due to photographs. See Mrs. F's Book 13 p. 152 not to be announced or meas.

Confirmed here see Mrs F's Book 13 p. 154 Var ? Announced before by Espin. in "Monthly Notices" 56 p. 238 I Chandler's Third Catalogue in list of unconfirmed variable

Known Type IV var.

Var ? 21 chart plates show slight change - about 0.4 magn. which may be due to the photographs. Not to be announced or mea. see Mrs. F's Book 13 p. 153

Var ? Known

Type IV ? Known - Announced later as Type VI

Marked at Lab. by Mr. King. Classified by Mrs. F. Known. NGC 3242

Var? 33 chart plate exam. by Mrs. F. Show only slight change. Not enough to meas. at present. See Mrs. F's Book 14 p. 185. also Book 85 p. 197

Pec. - Var? New Type IV Pec. chart plates examined show slight if any evidence of variability See Mrs. F's Book 15 p. 53 Announced Later as Type VI

Var ? Known R Leonis

Gas neb? Assumed by Mrs. F to be a defect. Not on spect. plate B 19228 nor on chart-plates B 9509, I 17942

Var ? Known R. Crateris.

Var ? 23 chart plates fail to show any variation exceeding 0.3 magn. & this may be due to photographs - not to be meas. or announced see Mrs. F's Book 13 p. 155.

Var? 14 chart plates show no evidence of variation see Mrs. F's Book 14 p. 192 Very ft. May be due to defect. Look for better spect. plate.

Var ? Known S. Cor Bor.

Var. Known Z Bootis

Var ? 28 chart plates show var. of about 0.5 magn. not to be meas. or announced unless greater change is found. see Mrs. F's Book 15 p. 62

Type V Known

Na Known Type IV Pec. var.

Var. Known R ~~R Herculis~~ Trianguli

of III^rd Type star - by Mrs. F's orders -

Objects of Interest in Northern Spectrum Plates.

	No	Plate No	V	H	Object	D.M. No.	R.A.	Dec.	Magn.
Nov. 10 1909	7819	36280			✓ Md 10	DM +8° 3970	19 1.6	+8 5 (1900)	
" " "	7820	36281			✓ Md 9	DM. +67° 1291	21 8.2	+68 5 (1900)	
Jan 18 1910	7821	36498			✓ Type VI	DM. +50° 1603	8 53.0	+50 39	9.2
Feb. 3 1910	7822	36522			✓ Type II	DM. +38° 1539	6 26.6	+38 33	6.3
" " "	7823	36528			✓ Type VI	DM. +50° 1603	8 53.0	+50 39	9.2
Feb. 8 1910	7824	36543			✓ Type IV	DM. +6° 1462	6 50.6	+6 21	var.
" " "	7825	"			✓ Pec.	DM. +10° 1428	7 0.7	+10 15	var.
Apr. 18 1910	7826	36638			✓ Md ?	DM. -20° 4305	15 33.6	-20 43	var.
Apr. 11 1910	7827	36662			✓ Mb. Pec.	DM. +47° 2003	12 48.3	+47 59	5.8
April 11 1910	7828	36669			✓ Mc5d	DM. +45° 2913	19 25.9	+45 51	7.0
" " "	7829	"			✓ Mb.	DM. +48° 2914	19 29.7	+48 56	✓ 6.5
June 9 1910	7830	36722			✓ Md 6	DM. +15° 2918	15 44.0	+15 35	var.
March 7 1911	7831	37087			✓ Type IV	DM. +76° 734	19 26.6	+76 17	6.5
	7832	36274			✓ Md?	DM. +17° 1006	5 39.2	+17 40	9.5
	7833								
	7834								
	7835								
	7836								
	7837								
	7838								
	7839								
	7840								
	7841								
	7842								
	7843								
	7844								
	7845								
	7846								
	7847								

Var. R. Aquilae known.
Var. T Cephei
Class R. Known.
IIa var? Known Type IV var.
Class R. Known.
IIa var.? Known Type IV var.
Md 1? var? Known Md var. R. Can. Min .
Var. Known.
Pec Composite?
Var.? Known

Var. Known R Serpentis. Marked on plate by Mr. King "B1. line Spectrum"
Var.? Known Type IV var.
Var ? . 21 chart plates examined. No evidence of variation found. See note on plate cover.

Objects of Interest on Northern Spectrum Plates

No.	No. Plate	V	H	Object	D.M. No.	R.A.	Dec.	Magn.
7848								
7849								
7850								
7851								
7852								
7853								
7854								
7855								
7856								
7857								
7858								
7859								
7860								
7861								
7862								
7863								
7864								
7865								
7866								
7867								
7868								
7869								
7870								
7871								
7872								
7873								
7874								
7875								
7876								

Objects of Interest on Northern Spectrum Plates

No	No. Plate.	G	H	Object.	D.M.No	R.A.	Dec	Magn.
7877								
7878								
7879								
7880								
7881								
7882								
7883								
7884								
7885								
7886								
7887								
7888								
7889								
7890								
7891								
7892								
7893								
7894								
7895								
7896								
7897								
7898								
7899								
7900								
7901								
7902								
7903								
7904								
7905								

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