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1271

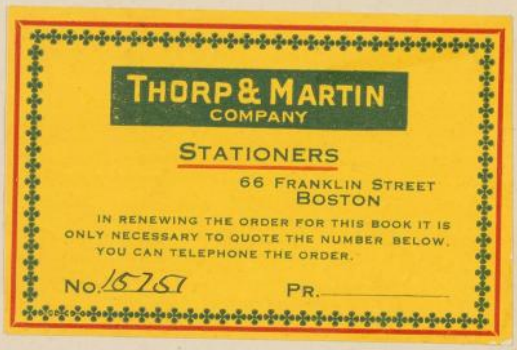
KG 11366.127.1

52

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KG 11366.127.1 added to collection 2/6/74
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Comparison Stars for Eros.

I 28003

No.	Dm
1	44° 1333
2	46° 1081
3	45° 1195
4	44° 1314
5	45° 1169
6	45° 1180

(incomplete)

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Comparison Stars for Eros.

	No.	DM
I 40889	7	44° 1347
	8	45° 1230
	9	44° 1362
	10	45° 1228
	11	45° 1249
	12	46° 1090a
	13	46° 1099
	14	46° 1107
	15	46° 1115
	16	45° 1279
	17	45° 1284
	18	46° 1127
	19	45° 1294
	20	46° 1134
	21	46° 1143
	22	47° 1276
	23	47° 1286
	24	47° 1288
	25	47° 1298
I 39864	26	47° 1307
	27	47° 1312
	28	47° 1319
	29	47° 1320
	30	46° 1187
I 28332	31	47° 1361
	32	47° 1370
	33	48° 1466
	34	47° 1379
	35	46° 1220

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Comparison Stars for Eros

	No.	DM
	36	46° 1227
	37	47° 1400
	38	47° 1404
	39	47° 1405
	40	47° 1412
	41	48° 1491
	42	47° 1424
I 40893	43	47° 1441
	44	48° 1517
	45	46° 1268
	46	47° 1456
	47	47° 1455
	48	48° 1536
	49	48° 1451
	50	47° 1466
	51	47° 1463
	52	47° 1469
	53	47° 1475
	54	47° 1472
	55	48° 1460
	56	47° 1479
	57	47° 1481
	58	47° 1483
	59	46° 1314
I 27607	60	46° 1344
	61	47° 1491
	62	47° 1502
	63	47° 1515
	64	46° 1350

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Comparison Stars for Eros.

	No.	DM
	65	46° 1354
	66	47° 1520
	67	47° 1516
	68	48° 1596
	69	47° 1539
	70	48° 1610
	71	46° 1363
I 17699	72	48° 1628
	73	47° 1559
	74	46° 1384
	75	46° 1390
	76	46° 1404
	77	46° 1409
	78	47° 1587
	79	46° 1413
	80	45° 1606
	81	46° 1416
	82	46° 1419
	83	46° 1415
	84	45° 1614
	85	45° 1613
I 24398	86	47° 1605
	87	45° 1622
	88	45° 1631
	89	45° 1635
	90	46° 1441
	91	45° 1640
	92	44° 1795
	93	45° 1654

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Comparison Stars for Eros.

	No.	DM
	94	46° 1456
	95	45° 1662
I 30081	96	46° 1466
	97	45° 1669
	98	45° 1678
	99	44° 1830
	100	43° 1890
	101	45° 1700
	102	42° 1990
I 26842	103	41° 1958
	104	42° 2003
	105	42° 2008
	106	42° 2015
	107	42° 2017
	108	42° 2022
	109	42° 2024
	110	41° 1975
	111	41° 1979
	112	42° 2034
	113	41° 1988
	114	41° 1997
	115	41° 1991
	116	40° 2236
	117	40° 2238
	118	40° 2231
	119	41° 2002
	120	41° 1999
	121	40° 2249
	122	40° 2248

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Comparison Stars for Eros.

	No.	Dm
	123	40° 2256
	124	41° 2011
	125	39° 2277
	126	39° 2278
	127	40° 2264
	128	40° 2269
	129	39° 2281
	130	39° 2280
	131	38° 2068
	132	38° 2075
I 20327	133	39° 2287
	134	38° 2082
	135	38° 2078
	136	39° 2299
	137	37° 2031
	138	37° 2037
	139	38° 2095
	140	37° 2049
	141	36° 2013
	142	36° 2017
	143	36° 2019
	144	36° 2024
	145	36° 2025
	146	35° 2105
	147	36° 2030
	148	36° 2038
	149	35° 2115
	150	33° 1945
	151	34° 2082

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Comparison Stars for Eros.

	No.	DM
I 24298	152	35° 2117
	153	34° 2097
I 20461	154	35° 2123
	155	34° 2105
	156	34° 2102
	157	33° 1969
	158	33° 1958
	159	32° 2007
	160	32° 2014
	161	32° 2017
	162	32° 1999
	163	32° 2003
	164	32° 2016
	165	31° 2114
	166	31° 2120
	167	30° 2001
	168	30° 1992
	169	30° 2000
	170	30° 2004
	171	29° 2036
	172	29° 2043
	173	29° 2045
	174	29° 2050
	175	28° 1879
	176	28° 1877
	177	28° 1888
	178	28° 1872
I 29775	179	27° 1886
	180	27° 1898

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Comparison Stars for Eros.

I29775

No.	Dm
181	26° 2085
182	25° 2256
183	25° 2255
184	24° 2228
185	25° 2248
186	24° 2223
187	24° 2248
188	23° 2230
189	23° 2224
190	23° 2237
191	22° 2230
192	22° 2223
193	22° 2237
194	22° 2234
195	21° 2216
196	21° 2205
197	21° 2203
198	2

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Identification of Stars in Cygnus Sequences for the H.D.E.

Measures in Bk 5
Reductions in Bk 5 and Bk 44

Sequence	I	Sequence	I
- 21 a	✓ 48737 ✓	- α 7	✓ 48751 ✓
- 15 b	✓ 48737 ✓	- β 4	✓ 48749 ✓
- 24 c	✓ 48737 ✓	- γ 1	✓ 48749 ✓
- 18 d	✓ 48737 ✓	- δ 35	✓ 48740 ✓
- 34 e	48741 ✓	- ε 31	✓ 48740 ✓
- 30 f	✓ 48741 ✓	- ζ 27	✓ 48738 ✓
- 26 g	✓ 48739 ✓	- η 22	✓ 48738 ✓
- 20 h	✓ 48834 ✓	- θ 16	✓ 48738 ✓
- 14 k	✓ 48834 ✓	- ι 11	✓ 48752 ✓
- 36 l	48741 ✓	- κ 8	✓ 48751 ✓
- 32 m	✓ 48741 ✓	- λ 5	✓ 48751 ✓
- 28 n	✓ 48739 ✓	- μ 2	✓ 48749 ✓
- 23 o	✓ 48779 ✓		
- 17 p	✓ 48779 ✓		
- 12 q	✓ 48753 ✓		
- 9 r	✓ 48736 ✓		
- 6 s	✓ 48736 ✓		
- 3 t	✓ 48776 ✓		
- 33 u	✓ 48740 ✓		
29 v	48740 ✓ 48754		
- 25 w	✓ 48738 ✓		
- 19 x	✓ 48738 ✓		
- 13 y	✓ 48752 ✓		
- 10 z	✓ 48752 ✓		

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1924phae.proj.1129P

Cygnus α = 21
1855

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Position		B.D. Mag.	
a	1	+39°3809	19 27 59.5	+39 21.0	19 27.8	+39.4	7.8	8.20
b	2	+39°3777	19 23 42.8	+39 38.5	19 23.5	+39.7	7.0	8.22
c	3	+39°3781	19 24 6.0	+39 38.3	19 24.3	+39.7	8.4	8.42
d	4	+39°3771	19 22 52.6	+39 30.0	19 22.5	+39.5	8.7	9.13
e	5	+39°3793	19 22 56.4	+39 43.2	19 26.2	+39.6	8.8	9.74
h	6	+39°3790	25 27.0	19.3	19 25.5	+39.4	9.3	10.00
f	7	3784	24 51.0	28.1	19 25.0	+39.5	8.5 (br.)	9.82
g	8	3780	23 59.4	20.8	19 24.0	+39.4	9.3	9.96
k	9	3769	22 44.9	21.8	19 22.5	+39.4	9.5	10.14
l	10	3770	22 49.7	17.4	19 22.5	+39.2	9.4	10.40
m	11		19:22:02	+39°:28				10.94
n	12		19:22:03	+39°:27				11.40
o	13		19:22:25	+39°:31				12.28
p	14		19:22:24	+39°:30				12.49
q	15		19:22:25	+39°:29				12.90
	α	+39°3767	21 49.3	+39° 40.3				
	β	+38°3650	28 33.7	+38° 27.6				

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I 48737 α. +39° 3767 19:21:49·3 +39°:40′·3

C.D.B. 9 +39°3769 19:22:44·9 +39°:21′·8

	55″·6	18′·5	4.4	8.4
	19:22:01·9	+39:28′·0	1·0	5·C
	19:22:02·0	+39:28′·0	3·4	2·8
(11)	19:22:02·0	+39°:28′		

19:22:03.2	+39°:27′·3	1·1	5·9
19:22:03·2	+39°:27′·3	3·3	2·5
(12) 19:22:03	+39°:27′		

19:22:24·7	+39°:31′·0	2·8	4·2
19:22:24.7	+39°:31′·1	1·6	4·2
(13) 19:22:25	+39°:31′		

19:22:24·0	+39:30·2	2·7	4·5
19:22:24·0	+39°:30·2	1·5	3·8
(14) 19:22:24	+39°:30′		

19:22:24.7	+39:29.5	2·8	4·9
19:22:24·7	+39°:29·5	1·6	3·5
(15) 19:22:25 ~~03~~	+39°:29′		

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1924phae.proj.1129P

Cygnus b = 15

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Position		B.D. Mag.	Pg.
			h m s					
b	1	+39°3682	19 7 49.6	+39° 15'.2	19 7.6	+39.3	7.8	8.56
a	2	3677	7 6.5	10.9	19 7.0	+39.2	7.1	8.52
c	3	3693	9 32.2	24.2	19 9.5	+39.4	8.0	9.19
d	4	3683	8 3.7	24.2	19 8.0	+39.4	8.3	9.47
e	5	3688	8 52.3	31.2	19 8.8	+39.6	9.0	10.33
f	6	3691	9 11.9	21.7	19 9.2	+39.4	9.5	10.65
g	7	3678	6 59.1	~~46.4~~ 19.9	19 7.0	+39.4	8.0	10.85
h	8		19:09:16	+39°17'.4				11.67
k	9		19:07:39	+39°20.8				12.01
l	10		19:08:10	+39°13'.6				12.02
m	11		19:08:11	+39°09'.8				12.53
n	12		19:08:28	+39°08'.9				12.93
o	13		19:08:35	+39°09'.2				13.19
	γ	+39°3651	3 35.7	+39° 50.8	19 3.6	+39.8		✓
	δ	+38°3522	12 31.7	+38 58.9	19. 12.5	+38.9	8.1	

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I 48737
C.P.B

② 19:07:06.5 +39°:10'.9
③ 19:08:03.7 +39°:24'.2
57'.2 13'.3 4.2 4.9
19:07:16.0 +39:17'.4 0.7 2.4
19:09 16.0 +39:17'.4 3.5 2.5
8 19:09:16 +39°.17'.4

① 19:07:49.6 +39°:15'.2
④ 19:06:56.1 +39:18'.8
53'.5 3.6 3.7 1.5
19:07:16.3 +39:17'.4 1.4 0.6
19:07:16.3 +39:17'.4 2.3 0.9
8 19:07:16 +39°.17'.4

19:07:39.2 +39:20'.24 3.6
19:07:39.2 +39:20'.18 1.3
9 19:07:39 +39°.21

① 19:07:49.6 +39°:15'.2
19:08:49.4 +38°.54'.0
59.8" 21'.2 4.2 7.8

19:08:09.5 +39:13'.6 1.4 .6
19:08:09.6 +39:13.6 2.8 7.2
10 19:08:10 +39°.13'.6

19:08:11.0 +39°:09'.8 1.5 2.0
19:08:11.0 +39:09.8 2.7 5.8
11 19:08:11 +39°:09'.8

19:08:28.4 +39:08'.9 2.8 2.3
19:08:28.5 +39:08.9 1.4 5.5
12 19:08:28 +39°.08'.9

19:08:35.2 +39:09.2 3.2 2.2
19:08:35.2 +39:09.2 1.0 5.6
13 19:08:35.2 +39°:09'.2

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Cygnus c = 24

Rev. Des.	Des.	B.D.	R.A.	Dec	Approx. Pos.		B.D. Mag.	
b	1	+35° 3723	33 18.6	+35 50.6	19 33.5	+35.8	8.8	8.52
a	2	+36° 3656 ~~3654~~	19:34:22.8	+36°:10'.8	34.5	36.3	8.3	8.34
c	3	35° 3725	33:27.1	+35°:55'.6	33.7	35.9	9.1	8.90
	4		19:32:36	+35°:48'.3				
d	5		19:32:15	+35°:48'.3				10.68
e	6		19:32:12	+35°:54'.6				11.26
f	7		19:32:34	+35°:53'.0				11.36
g	8		19:33:27	+36°:07'.7	+			11.54
h	9		19:33:22	+36°:09'.8				11.76
k	10		19:33:16	+35°:58'.5				12.04
l	11		19:33:37	+35°:58'.8				12.70
m	12		19:32:32	+35°:52'.2				
	ε	35° 3750	36 9.6	+35 28.7	36.2	+35.5		
	ζ	36° 3619			30.5	+36.7		

19:32:35.9 +35°:48'.3 5.3 8.0

19:32:35.9 +35°:48'.3 3.6 2.8

④ 19:32:36 +35°:48'.3

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+35° 3707 19:31:20.5 +35°:27′.4
+36° 3654 19:34:17.5 +36°:20′.2
+35° 3717 19:32:52.3 +35°:36′.5

+35° 3717	19:32:52.3	+35°:36′.5			
+36° 3654	19:34:17.5	+36°:20′.2			
	85″.2	43′.7	5.7	16.1	
	19:33:16.2	+35°:58′.5	1.6	8.1	
	19:33:16.2	+35°:58.5	4.1	8.0	
(10)	19:33:16	+35°:58′.5			
	19:33:37.2	+35°:58′.7	3.0	8.2	
	19:33:37.1	+35°:58.8	2.7	7.9	
(11)	19:33:37	+35°:58′.8			
	19:33:26.7	+36°:07′.7	2.3	11.5	
	19:33:26.6	+36°:07′.7	3.4	4.6	
(8)	19:33:27	+36°:07′.7			
	19:33:22.2	+36°:09′.7	2.0	12.2	
	19:33:22.1	+36°:09′.9	3.7	3.9	
(9)	19:33:22	+36°:09′.8			

+35° 3707	19:31:20.5	+35°:27′.4			
(3) +35° 3725	19:33:27.1	+35°:55′.6			
	126′.6	28′.2	8.9	10.8	
	19:32:11.7	+35°:54′.6	3.6	10.4	
	19:32:11.6	+35°:54′.6	5.3	.4	
(6)	19:32:12	+35°:54′.6			
	19:32:14.6	+35°:48′.3	3.8	8.0	
	19:32:14.5	+35°:48′.3	5.1	2.8	
(5)	19:32:15	+35°:48′.3			
	19:32:31.7	+35°:52′.2	5.0	9.5	
	19:32:31.6	+35°:52′.2	3.9	1.3	
(12)	19:32:32	+35°:52′.2			
	19:32:34.5	+35°:53′.0	5.2	9.8	
	19:32:34.4	+35°:53′.0	3.7	1.0	
(7)	19:32:34	+35°:53′.0			

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Cygnus $d = 18$

Dev. Des	Des	B.D.	R.A. 19h	Dec. ° ′	Approx. Pos.		B.D. Mag.	
a	1	+36° 3539	18 53.9	+36 10.1	19 19.0	+36.2	6.7	7.69
b	2	3514	16 7.2	36 9.2	19 16.2	+36.1	8.9	9.50
c	3	3530	17 55.5	36 14.7	19 18.0	+36.2	9.2	10.08
d	4	3512	15 53.8	36 4.8	19 15.8	+36.1	9.5	10.60
f	5		19:16:59	+35°:57′.0				11.24
e	6		19:16:59	+35°:59′.1				11.17
g	7		19:17:06	+36°:00′.2				12.00
h	8		19:15:49	+36°:16′.8				12.40
l	9		19:16:06	+36°:14′.3				12.94
k	10		19:17:11	+36°:01′.5				12.91
	η	+35 3623	2? 37.6	35 37.0	19 21.7	+35.7	7.5	
	θ	+37 3413	13 53.9	37 11.0	19 13.8	+37.2	6.2	

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1924phae.proj.1129P

② 19:16:07.2 +36°:09'.2

+35°3594 19:17:33.0 +35°52'.2

85".8 17'.0 6.3 6.4

19:16:58.9 +35:59'.0 3.8 4.6

19:16:58.9 +35:57'.0 2.8 1.8

5 19:16:59 +35°:57'.0

19:16:58.9 +35°:59'.1 3.8 3.8

19:16:58.9 +35:59'.1 2.5 2.6

6 19:16:59 +35:59'.1

19:17:05.8 +36°:00'.4 4.3 3.3

19:17:05.8 +36°:00'.2 2.0 3.1

7 19:17:06 +36°:00'.2

19:17:11.2 +36°:01'.5 4.7 2.9

19:17:11.2 +36°:01'.5 1.6 3.5

10 19:17:11 +36°:01'.5

+35°3506 19:14:53.6 +36°:22'.4

② 19:16:07.2 +36°:09'.2

+73".6 13'.2 5.4 4.7

19:15:49.5 +36°:16'.8 4.1 2.0

19:15:49.5 +36°:16'.8 1.3 2.7

8 19:15:49 +36°:16.8

19:16:05.9 +36°:14'.3 5.3 2.9

19:16:05.8 +36°:14.3 .1 1.8

9 19:16:06 +36°:14'.3

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1924phae.proj.1129P

Cygnus e = 34

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. Mag.	
a	1	+31° 4018	20h 11.04.5 10 15.5	+31 56.1 +31 54.1	20 10 3 +31.9	7.2 8.9	6.31
b	2	+31° 4042	14 44.7	+31 33.8	15.0 +31.6	7.2	6.67
c	3	+31° 4029	12 38.7	+31 39.5	12.8 +31.7	7.0	6.89
d	4	+31° 4033	13 44.8	+31 35.5	13.8 +31.7	7.0	7.21
e	5	+31° 4016	11 1.0	+31 39.6	11.0 +31.7	8.0	8.00
f	6	+31° 4027	11 59.7	+31 41.0	11.9 +31.7	8.8	8.29
g	7	+31° 4034 +30° 3998	15:29.2 15 37.9	31:06.5 +30 7.9	15.6 +30.2	8.5	9.11
h	8	+31° 4035 +30° 3994	15:30.5 15 26.8	31:04.3 +30 8.3	15.4 +30.2	9.4	9.55
k	9	+31° 4036 +30° 3988	14:03.2 14 18.0	+ 31° 14.0 +30 26.0	14.1 +30.3	9.0 9.5	9.75
l	10		20:11:16	+31°:14.7			10.11
m	11		20:11:12	+31°:16.8			10.61
o	12		20:10:42	+31°:20.7			11.13
n	13		20:11:40	+30:15.4			11.11
p	14		20:12:03	+31°:29.0			12.11
q	15		20:12:20	+31°:31.4			12.41
r	16		20:12:12	+31°:26.3			12.53
s	17		20:12:08	+31°:24.9			12.91
	18		20:12:07	+31°:29.6			

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1924phae.proj.1129P

	+30° 39:7	20:09:55·8	+30°:47'·6		
	⑥ +31° 4027	20:11:59·7	+31°:41'·0		
		123"·9	53'·4	9·6	25·0
		20:10:42·2	+31:20:7	3·6	15·5
		20:10:42·2	+31°:20'·8	6·0	9·5
12		20:10:42	+31°:20'·7		
		20:11:11·9	+31°:16'·8	5·9	13·7
		20:11:12·0	+31:16'·8	3·7	11·3
11		20:11:12	+31°:16'·8		
		20:11:15·8	+31°:14'·7	6·2	12·7
		20:11:15·8	+31°:14'·7	3·4	12·3
10		20:11:16	+31°:14·7		
		20:11:40·4	+30°:15'·4	8·1	13·0
		20:11:40·3	+30°:15'·4	1·5	12·0
13		20:11·40	+30°:15·4		
	⑥ +31° 4027	20:11:59·7	+31°:41'·0		
	⑨ +31° 4036	20:14:03·2	+31°:14'·0		
		123"·5	27'·0	9·7	9·9
		20:12:03·5	+31°:29'·0	·3	4·4
		20:12:03·5	+31°:29'·0	9·4	5·5
14		20:12:03	+31°:29'·0		
		20:12:07·6	+31°:24'·9	·7	5·9
		20:12:07·5	+31°:24'·9	9·0	4·0
17		20:12:08·5	+31°:24'·9		
		20:12:12·3	+31°:26'·3	1·0	5·4
		20:12:12·3	+31°:26'·3	8·7	4·5
16		20:12:12	+31°:26'·3		
		20:12:20·1	+31°:31'·4	1·6	3·5
		20:12:20·0	+31°:31'·4	8·1	6·4
15		20:12:20	+31°:31'·4		
		20:12:07·4	+		
		20:12:07·3	+31°:29'·6	·6	4·2
			+31°:29'·6	9·1	5·7
18		20:12:07	+31°:29'·6		

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1924phae.proj.1129P

Cygnus f = 30

Prev. Des.	Des.	B.D.	R.A. 19h	Dec.	Approx. Pos.	B.D. mag.	
a	1	+31°3925	58 55.2	+31 48.8	19 59.0 +31.8	6.0	6.33
b	2	3923	58 35.7	+31 31.7	58.6 +31.5	8.1	7.51
c	3	3905	57 7.0	+31 33.4	57.1 +31.6	6.7	7.84
d	4	3911	57 49.6	+31 51.9	57.8 +31.8	8.4	8.36
e	5	3913	57 52.7	+31 55.4	57.8 +319	8.9	9.13.
g	6	~~3922~~ 3918	~~5-8 36.5~~ 58:17.0	~~+31 44.8~~ +31:56.2	58.3 +31.7b	~~8.6~~ 9.4	9.26
f	7	~~3923~~ 3924	~~5-8 34.8~~ 58:30.5	~~+31 42.8~~ +31:44.8	58.3 +31.7ft	~~9.3~~ 8.6	9.20
h	8	3922	58:34.8	+31°:42.8		9.3	9.72
k	9		19:58:01	+31°:44'.1			10.05
l	10		19:58:34	+31°:43'.8			10.98
m	11		19:58:11	+31°:42'.7			11.39
o	12		19:59:35	+31°:49'.7			11.88
n	13		20:00:13	+31°:59'.4			11.78
p	14		19:59:53	+31°:51'.9			12.48
q	15		19:58:29	+31°:51'.9			12.86
r	16		19:58:10	+31°:48'.4			13.29

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①	+31°3923	19:58:35.7	+31°31'.7		
	+31°3936	20:00:19.7	+31°59'.8		
		104".0	28'.1	8.2	10.3
		19:59:34.1	+31°49'.7	4.6	6.6
		19:59:35.1	+31°49'.7	3.6	3.7
12		19:59:35	+31°49'.7		
		20:00 13.4	+31°59'.4	7.7	6.5
		20:00:13.4	+31°59'.4	.5	3.8
13		20:00:13	+31°59'.4		
		19:59:53.1	+31°51'.9	6.1	7.4
		19:59:53.1	+31°51'.9	2.1	2.9
14		19:59:53	+31°51'.9		
⑤	+39° 3913	19:57:52.7	+31°55'.4		
②	+31° 3923	19:58:35.1	+31°31'.7		
		42".4	23'.7	3.0	8.8
		19:58:09.7	+31°48'.4	1.2	2.6
		19:58:09.7	+31°48'.4	1.8	6.2
16		19:58:10	+31°48'.4		
		19:58:29.5	+31°51'.9	2.6	1.3
		19:58 29.4	+31°51'.9	.4	7.5
15		19:58:29	+31°~~51'.9~~ 0		
		19:58:01.2	+31°44'.1	.6	4.2
		19:58:01.2	+31°44'.1	2.4	4.6
9		19:58:01	+31°44'.1		
		19:58:11.1	+31°42'.7	1.3	4.7
		19:58:11.1	+31°42'.7	1.7	4.1
11		19:58:11	+31°42'.7		
		19:58:33.7	+31°43'.8	2.9	4.3
		19:58:33.7	+31°43'.8	.1	4.5
10		19:58:34	+31°43'.8		

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1924phae.proj.1129P

Cygnus $q = 26$

Per. Des.	Des	B.D.	R.A. 19	Dec.	Approx. Pos.	B.D. mag.	
a	1	+32°3589	44 27.8	+32 16.6	19 44.5 +32.3	8.0	7.82
d	2	+31°3803	44 42.2	+31 51.6	44.7 +31.8		8.97
b	3	+32° ~~3580~~ 3579	~~43 35.6~~ 43 29.6	~~+32 27.2~~ +32°15'8	43.6 +32.3	~~9.2~~ 9.0	8.18
c	4	~~3578~~ 3575	~~43 28.8~~ 43 16.0	~~+32 26.3~~ +32°21'0	43.5 +32.4	~~8.2~~ 9.1	8.22
f	5	~~3579~~ 3574	~~43 29.6~~ 43 15.7	~~+32 15.8~~ +32 18.5	43.5 +32.3	~~9.0~~ 9.1	9.67
e	6	3585	44 3.0	+32 4.5	44.1 +32.1	8.9	9.39
g	7	3596	45 13.9	+32 10.7	45.2 +32.2	9.1	9.73
h	8	3592	44 53.4	+32 5.2	45.0 +32.1	9.5	10.24
k	9		19:44:54	+32°02'2			10.32
m	10		19:44:37	+32°02'7			11.52
l	11		19:44:57	+31°59'0 ~~+32°02'7~~			11.26
n	12		19:45:13	+32°08'2			12.03
o	13		19:44:03	+31°53'2			12.44
p	14		19:44:18	+31°54'8			12.50
q	15		19:44:28	+31°56'7			13.08

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⑤	+32° 3579	19:43:29.6	+32°:15′.8		
⑥	+31° 3803	19:44:42.2	+31°:51′.6		
		72″.6	24′.2	5.6	9.0
		19:44:28.0	+31°:56′.7	4.5	7.1
		19:44:27.9	+31°:56′.7	1.1	1.9
⑮		19:44:28	+31°:56′.7		
		19:44:17.6	+31°:54′.8	3.7	7.8
		19:44:17.6	+31°:54′.8	1.9	1.2
⑭		19:44:18	+31°:54′.8		
		19:44:03.3	+31°:53′.2	2.6	8.4
		19:44:03.3	+31°:53′.2	3.0	.6
⑬		19:44:03	+31°:53′.2		
		19:44:37.1	+32°:02′.7	5.2	4.8
		19:44:37.0	+32°:02′.7	.4	4.2
⑩		19:44:37	+32°:02′.7		
⑥	+31° 3803	19:44:42.2	+31°:51′.6		
⑦	+32 3596	19:45:13.9	+32°:10′.7		
		31″.7	19′.1	2.6	7.0
		19:44:56.8	+31°:59′.0	1.2	2.7
		19:44:56.8	+31°:59′.0	1.4	4.3
⑪		19:44:57	+31°:59′.0		
		19:45:12.9	+32°:08′.2	1.7	6.1
		19:45:12.8	+32°:08′.2	.9	.9
⑫		19:45:13	+32°:08′.2		
		19:44:54.4	+32°:02′.2	1.0	3.9
		19:44:54.5	+32°:02′.2	1.6	3.1
⑨		19:44:54	+32°:02′.2		

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1924phae.proj.1129P

Cygnus $h = 20$

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
b	1	+31° 3609	23 10.1	+31 46.9	19 23.1 +31.7	7.5	8.58
a	2	+31 3625	24 23.1	+31 53.8	24.2 +31.9	8.1	8.28
c	3	+32° 3443	22 59.3	+32 4.2	23.0 +32.1	8.9	9.11
d	4	+32° 3448	23 44.4	+32 1.8	23.8 32.0+	9.5	10.14
e	5	+31° 3607	22 46.7	+31 57.7	22.9 31.9+	9.5	10.80
f	6	+31° 3623	23 59.4	+31 59.0	24.0 31.9+	9.2	10.80
g	7		19:22:26	+31°57'7			11.09
h	8		19:22:50	+31°58'0			11.16
l	9		19:23:46	+32°01'0			11.61
m	10		19:23:24	+31°59'8			11.72
k	11		19:24:57	+32°01'3			11.56
n	12		19:24:59	+32°01'1			11.94
o	13		19:25:18	+32°01'5			12.14

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+32° 3446 19:23:26.3 +32°:15′.8
+31° 3604 19:21:56.2 +31°: 35′.2
+31°.3635 19:25:40.2 +31°:50′.0

+31°.3604 19:21:56.2 +31°.35′.2
3 +32°.3443 19:22:59.3 +32°.04′.2

63″.1 29′.0 4.9 10.7
19:22:25.8 +31°.57′.7 2.3 8.3
19:22:25.8 +31°.57′.7 2.6 2.4
(7) 19:22:26 +31°.57′.7
19:22:50.3 +31°.58′.0 4.2 8.4
19:22:50.2 +31°.58′.0 .7 2.3
(8) 19:22:50 +31°.58′.0
3 +32°.3443 19:22:59.3 +32°.04′.2
2 +31°.3625 24:23.1 +31°.53′.8
83″.8 10′.4 6.5 3.9
19:23:23.8 +31°.59′.9 1.9 1.6
19:23 23.8 +31°.59′.8 4.6 2.3
10 19:23:24 +31°.59′.8
19:23:45.7 +32°.01′.0 3.6 1.2
19:23:45.7 +32°.01′.0 2.9 2.7
9 19:23:46 +32°.01′.0

+32° 3446 19:23:26.3 +32°.15′.8
+31°.3635 19:25:40.2 +31°.50′.0
133″.9 25′.8 10.3 9.4
19:24:57.3 +32°.01′.3 7.0 5.3
19:24 57.3 +32°.01′.3 3.3 4.1
12 19:24:57 +32°.01′.3
19:24:58.6 +32°.01′.0 7.1 5.4
19:24:58.6 +32°.01′.0 3.2 4.0
12 19:24:59 +32°.01′.0
19:25:17.7 +32°.01′.5 8.6 5.2
19:25:17.7 +32°.01′.5 4.7 4.2
13 19:25:18 +32°.01′.5

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1924phae.proj.1129P

Cygnus k = 14

Pur. Des.	Dec.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag	
a	1	+32°3354	6 46.6	+32 0.4	19 6.9 +32.0°	7.6	6.76
b	2	+32°3357	7 2.8	+32 6.6	7.3 +32.1	8.9	8.32
c	3	+31°3505	19:07:15.9	+31°51'.3	7.4 31.9	9.1	8.58
d	4	+31°3506	19:07:20.4	+31°54'.8	7.4 31.9 +	9.0	8.68
e	5	+31°3496	19:06:12.6	+31°57'.9	6.2 31.9 +	9.1	9.08
f	6	+31° 3499	19:06:47.4	+31°56'.1	6.6 31.9	9.2	9.95
g	7		19:07:27	+32°.08'.9			10.02
h	8		19:06:30	+32°.08'.0			10.97
k	9		19:08:07	+31°.58'.1			11.18
l	10		19:08:12	+31°.59'.9			11.42
m	11		19:07:30	+31°.59'.3			11.98
n	12		19:07:32	+32°.02'.7			12.53

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5	+31°3496	19:06:12·6	+31°57'·9		
	+32°3368	19:09:09·3	+32°22'·7		
		176.7	24'·8	14·0	8·6
		19:06:30·3	+32°08'·0	1·4	3·5
		19:06:30·2	+32°08'·0	12·6	5·1
(8)		19:06:30	+32°08'·0		
		19:07:27·1	+32°08'·9	5·9	3·8
		19:07:27·2	+32°08·9	8·1	4·8
(7)		19:07:27	+32°08'·9		
4	+31°3506	19:07:20.4	+31°54'·8		
		19:09:09·3	+32°22'·7	8·7	10·0
		108"·9	27'·9		
		19:07:30·4	+31°59'·3	·8	1·6
		19:07:30·5	+31°54'·3	7·9	8·4
11		19:07:30	+31°59'·3		
		59:07:31·7	+32°02·6	·9	2·8
		19:07:31·6	+32°02'·7	7·8	7·2
12		19:07:32	+32°02'·7		
		19:08:11·8	+31°59'·5	4·1	1·8
		19:08:11·8	+31°59'·9	4·6	8·2
10		19:08:12	+31°59'·9		
		19:08:06·5	+31°58'·1	3·7	1·2
		19:08:06·8	+31°58'·1	5·0	8·8
9		19:08:07	+31°58'·1		

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1924phae.proj.1129P

Cygnus $l = 36$

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+28° 3735	20:18:10.0	+28°32'.1	20 18.2 +28.6	7.4	7.41
b	2	" 3740	20:18:44.6	+28°03'.9	18.7 +28.1	8.0	8.48
d	3	" 3749	20:20:13.8	+28:16.0	20.2 +28.3	9.4	9.72
e	4	" 3748	20:20:09.1	+28:08.5	20.1 +28.2	9.3	9.64
e	5	" 3742	20:19:15.6	+28°26'.6	19.3 +28.5	9.0	9.74
f	6	" 3750	20:20:21.4	+28°03'.8	19.6 +28.1	9.4	10.32
g	7	" 3743	20:19:30.1	+28°03'.3	19.7 +28.0+	9.5	10.40
h	8	+27° 3725	20:19:31.0	+27°58'.0		9.5	10.69
k	9		20:19:49	+27°59'.1			11.37
l	10		20:19:51	+28°03'.4			11.88
m	11		20:18:11	+28°27'.5			12.25
m	12		20:18:00	+28°29'.1			12.20
o	13		20:17:34	+28°30'.1			12.93
p	14		20:17:31	+28°35'.2			13.64

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+28°3739 20:17:19.2 +28°:20'.5
+28° 3738 20:18:24.9 +28°:53'.8

65'.7 33'.3 4.8 12.9

20:18:11.2 +28:27.5 3.8 2.7

20:18:11.2 +28:27.5 1.0 10.2

11 20:18:11 +28°:27'.5

20:18:00.3 +28°:29'.0 3.0 3.3

20:18:00.3 +28°:29'.1 1.8 9.6

12 20°:18:00 +28°:29'.1

20:17:34.3 +28°:30'.1 1.1 3.7

20:17:34.3 +28:30'.1 3.7 9.2

13 20°:17:34 +28°:30'.1

20:17:20.8 +28°:35'.2 .4.5 5.7

20:17:20.8 +28°:35'.2 .3 7.2

14 20:17:21 +28°:35'.2

⑧ +27°3725 20:19:31.0 +27°:58'.0

⑦ +28°3748 20:20:09.1 +28:08'.8

38".1 10'.5 2.9 3.9

20:19:49.4 +27°:59'.1 1.4 .4

20:19:49.4 +27°:59'.1 1.5 3.5

9 20:19:49 +27°:59'.1

20:19:50.7 +28°:03'.4 1.5 2.0

20:19:50.7 +28°:03'.4 1.4 1.9

10 20:19:51 +28°:03'.4

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1924phae.proj.1129P

Cygnus m = 32

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+28° 3675	20:08:15·4	+28°15'3	20 8.2 +28.4	6·0	5.85
b	2	+28° 3645	20:04:33·7	+28°00'2	4.6 +28.0	7·1	7.09
c	3	+27° 3636	20:04:04·6	+27°50'4	4.2 +27.8	7·6	7.68
d	4	+28° 3661	20:06:14·6	+28°03'4	6.3 +28.1	8·6	8.56
e	5	+28° 3647	20:04:56·7	+28°02'7	4.8 +28.1	8·4	9.31
f	6	+28° 3650	20:05:00·0	+28°08'1	4.8 +28.2	9·0	10.02
g	7		20:04:40	+28°05'9			10.32
h	8		20:05:17	+28°07'0			10.48
k	9		20:04:56	+28°06'4			10.79
l	10		20:04:47	+28°08'6			11.61
m	11		20:03:58	+28°13'6			12.03
n	12		20:03:57	+28°02'8			12.16
o	13		20:03:55	+28°04'4			12.45
p	14		20:04:26	+28°14'1			12.89
q	15		20:03:27	+28°12'2			13.30

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+27°3631	20:03:42'3	+27°:53'.9		
+28°3657	20:06:04.5	+28°:28'.5		
	142".2	34'.6	11.5	12.5
	20:03:54.7	+28°:04'.4	1.0	3.8
	20:03:54.5	+28°:04'.4	10.5	8.7
13	20:03:55	+28°:04'.4		
	20:03:57.2	+28°:02'.8	1.2	3.2
	20:03:57.2	+28°02.8	10.3	9.3
12	20:03:57	+28°:02'.8		
	20:04:40.5	+28°:05'.8	4.7	4.3
	20:04:40.3	+28°:05'.9	6.8	8.2
7	20:04:40	+28°:05'.9		
	20:04:46.7	+28°:08'.5	5.2	5.3
	20:04:46.5	+28°:08'.6	6.3	7.2
10	20:04:47	+28°:08'.6		
	20:04:56.6	+28°:06'.0	8.0	4.4
	20:04:56.4	+28°:06'.4	5.5	8.1
9	20:04:56	+28°:06'.4		
	20:05:17.7	+28°:06'.9	7.7	4.7
	20:05:17.4	+28°:07'.0	3.8	7.8
8	20:05:17	+28°:07'.0		
	20:03:58.4	+28°:13'.5	1.3	7.1
11	20:03:58.4	+28°:13'.6	10.2	5.4
	20:03:58	+28°:13'.6		
14	20:04:25.6	+28°:14'.1	3.5	7.3
	20:04:25.5	+28°:14'.1	8.0	5.2
	20:04:26	+28°:14'.1		
15	20:03:26.8	+28°:12'.1	3.6	6.6
	20:03:26.9	+28°:12'.2	7.9	5.9
	20:03:27	+28°:12'.2		

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1924phae.proj.1129P

Cygnus $\nu = 28$

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+28°3542	19:51:24.6	+28°18'6	19 51.2 +28.4	7.0	7.38
b	2	+28°3539	19:50:40.5	+28°14'0	50.3 +28.3	8.4	7.64
	3	+28°3532	19:49:50.6	+28°22'0	49.9 +28.4	8.0	
c	4	+28°3533	19:49:48.7	+28°16'1	49.9 +28.3	9.1	8.86
d	5	+28°3528	19:49:28.9	+28°23'5	49.6 +28.4	9.0	9.24
f	6		19:49:13	+28°23'2	"		9.71
e	7	+28°3541	19:50:58.8	+28°36'9	51.0 +28.6	9.4	9.51
g	8	+28°3538	19:50:24.4	+28°35'9	50.4 +28.6	9.5	10.31
h	9		19:51:06	+28°38'5			10.76
k	10		19:50:03	+28°20'1			11.27
l	11		19:50:11	+28°21'2			11.62
m	12		19:50:49	+28°21'0			11.75
n	13		19:51:25	+28°22'1			11.96
o	14		19:50:28	+28°20'9			12.56

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1924phae.proj.1129P

⑦	+28° 3541	19:50:58.8	+28°36'.9		
	+28° 3543	19:51:29.9	+28°58'.1		
		31".1	21'.2	2.6	7.9
		19:51:06.0	+28°38'.5	.6	.6
		19:51:05.9	+28°38'.5	2.0	7.3
⑨		19:51:06	+28°38'.5		
	+28° 3522	19:48:16.0	+28°25'.7		
③	+28° 3532	19:49:50.6	+28°22'.0		
		94".6	3'.7	7.5	1.2
		19:49:12.8	+28°23'.2	4.5	.8
		19:49:12.8	+28°23'.2	3.0	.6
⑥		19:49:13	+28°23'.2		
③	+28° 3532	19:49:50.6	+28°22'.0		
⑤	+28° 3539	19:50:40.5	+28°14'.0		
		49".9	8'.0	4.0	3.0
		19:50:03.1	+28°20'.1	1.0	.7
		19:50:03.1	+28°20'.1	3.0	2.3
⑩		19:50:03	+28°20'.1		
		19:50:10.6	+28°21'.2	1.6	.3
		19:50:10.6	+28°21'.2	2.4	2.7
⑪		19:50:11	+28°21'.2		
		19:50:28.0	+28°20'.9	3.0	.4
		19:50:28.0	+28°20'.9	1.0	2.6
⑭		19:50:28	+28°20'.9		
⑧	+28° 3538	19:50:24.4	+28°35'.9		
①	+28° 3542	19:51:29.6	+28°18'.6		
		65".2	17'.3	5.3	6.4
		19:50:49.0	+28°21'.0	2.0	5.5
		19:50:49.0	+28°21'.0	3.3	.9
⑫		19:50:49.0	+28°21'.0		
		19:51:24.7	+28°22'.1	4.9	5.1
		19:51:24.7	+28°22'.1	.4	1.3
⑬		19:51:25	+28°22'.1		

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1924phae.proj.1129P

Cygnus σ = 23

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag	
a	1	+28°3436	19:34:31·4	+28°18'0	19 34.5 +28.4	9.1	8.60
b	2	+28°3430	19:34:29·1	+28°25'·2	34.5 +28.5	9.0	9.87
d	3		19:35:59	+28°17'7	"		10.34
c	4	+28°3426	19:33:50·7	+28°10'9	33.9 +28.2	9.5	10.33
e	5		19:34:06	+28°15'7			10.78
f	6		19:33:52	+28°14'6			11.20
g	7		19:35:00	+28°19.9			11.54
h	8		19:37:06	+28°08'8			12.07
k	9		19:34:53	+28°12'4			12.40
l	10		19:34:01	+28°13'8			12.98
	11						

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1924phae.proj.1129P

+28° 3423 19:33:32.5 +28°:06':5
+27° 3474 19:36:07.3 +27°:50':8

+28° 3423 19:33:32.5 +28°:06':5
2 +28° 3430 19:34:29.1 +28°:25':2
56.6" 18':7 4.4 6.9

19:33:51.8 +28°:14':6 1.5 3.0
19:33:51.8 +28°:14':6 2.9 3.9
(6) 19:33:52 +28°:14.6

19:34:05.9 +28°:15':7 2.6 3.4
19:34:05.9 +28°:15':7 1.8 3.5
(5) 19:34:05.9 +28°:15':7

19:34:00.8 +28°:13':8 2.2 2.7
(10) 19:34:00.8 +28°:13':8 2.2 4.2
19:34:01 +28°:13':8

2 +28° 3430 19:34:29.1 +28°:25':2
+27° 3474 19:36:07.3 +27°:50':8
98.2" 34':4 8.3 12.4

19:34:59.9 +28°:19':9 2.6 1.9
19:34:59.8 +28°:19':9 5.7 10.5
(7) 19:35:00 +28°:19':9

19:34:52.7 +28°:12':4 2.0 4.6
19:34:52.7 +28°:12':4 6.3 7.8
(9) 19:34:53 +28°:12':4

19:37:05.8 +28°:08':8 3.1 5.9
19:37:05.7 +28°:08':8 5.2 6.5
(8) 19:37:06 +28°:08':8
19:35:58.7 +28°:17':7 2.5 2.7
19:35:58.6 +28°:17':7 5.8 9.7
(3) 19:35:59 +28°:17':7

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1924phae.proj.1129P

Cygnus $\rho = 17$

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+28°3293	19:14:11.5	+28°:18'.1	19 14.2 +28.4	8.1	7.97
b	2	+28°3295	19:14:18.8	+28°:32'.5	14.2 +28.6	8.9	8.68
c	3	+28°3299	19:15:16.6	+28°:29'.7	15.3 +28.5	9.0	9.40
d	4	+28°3294	19:14:12.7	+28°:13'.7	14.2 +28.3	8.4	9.45
e	5	+28°3297	19:14:25.7	+28°:31'.0	14.2 +28.6	9.5	9.92
f	6		19:14:32	+28°:15'.1			10.47
g	7		19:15:15	+28°:14'.8			10.87
h	8		19:15:31	+28°:27'.8			10.93
b	9		19:15:37	+28°:28'.6			11.71
l	10		19:14:44	+28°:23'.2			11.80
m	11		19:14:45	+28°:22'.1			12.21
n	12		19:14:42	+28°:21'.8			12.59
o	13		19:14:38	+28°:29'.7			13.01
p	14		19:14:37	+28°:29'.4			13.15
✓	15		19:14:48	+28°:36'.2			✓
	16		19:14:47	+28°:37'.8			

19:15:37.4 +28°:28'.7 6.0 10.7

19:15:37.3 +28°:28'.6 6.3 5.3

(9) 19:15:37. +28°:28'.6

19:14:31.0 +28°:27'.9 5.5 11.0

19:15:30.9 +28°:27'.8 6.8 5.0

(8) 19:15:31 +28°:27'.8

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1924phae.proj.1129P

+28°3291 19:14:08.1 +28°06'4
+28°3308 19:16:56.9 +28°14'3

+28°3291 19:14:08.1 +28°06'4
3 +28°3299 19:15:16.6 +28°29'7
68".5 23'3 5.5 8.6
19:14:31.7 +28°15'.1 1.9 3.2
19:14 31.8 +28°15'.1 3.6 5.4
(6) 19:14:32 +28°15'.1
19:15:15.3 +28°14.8 5.4 3.1
19:15:15.4 +28°14'8 .1 5.5
(7) 19:15:15 +28°14'8
19:14:44.2 +28°23'2 2.9 6.2
19:14 44.4 +28°23'2 2.6 2.4
(10) 19:14:44 +28°23'2
19:14:45.5 +28°22'.1 3.0 5.8
19:14:45.5 +28°22'.1 2.5 2.8
(11) 19:14:45 +28°22'.1
19:14:41.7 +28°21'.8 2.7 5.7
19:14:41.8 +28°21'.8 2.8 2.9
(12) 19:14:42 +28°21'.8

+28°3296 19:14:21.5 +28°15'7'6
+28°3308 19:16:56.9 +28°14'3
155".4 43'.3 12.3 16.0
19:14:46.8 +28°37'.9 2.0 7.3
19:14:46.7 +28°37'.8 10.3 8.7
(16) 19:14:47 +28°37'.8
19:14:48.1 +28°36'3 2.1 7.9
19:14:47.9 +28°36'2 10.2 8.1
(15) 19:14:48 +28°36'2
19:14:37.9 +28°29'.8 1.3 10.3
19:14:37.9 +28°29'7 11.0 5.7
(13) 19:14:38 +28°.29'.7
19:14:36.9 +28°29'5 1.2 10.4
19:14:36.7 +28°29'4 11.1 5.6
(14) 19:14:37 +28°29'4

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1924phae.proj.1129P

Cygnus q = 12

Pur Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag	
a	1	+28°3186	19:00:10·1	+28°:53'·4	19 0.2 +28.8	8.0	7.51
b	2	+29°3473	19:00:09.8	+29°:06'·7	0.2 +29.1	8·0	8.42
c	3	+29°3475	19:00:25·9	+29°:13'·5	0.4 +29.2	9.8	9.12
d	4	+29°3474	19:00:13·4	+29°:09'·6	0.4 +29.1	9.3	9.48
	5	+29°3467	18:59:43·5	+29°:11'·9	18 59.6 +29.2	8·8	
e	6		19:00:45	+29°:12'·2			10.90
f	7		19:00·57	+29°:13'·0			11.31
g	8		18:59:42	+29°:13'·6			11.68
h	9		18:58:59	+29°:10'·3			11.70
k	10		18:58:54	+29°:07'·3			11.76
l	11		18:59:15	+29°:05'·7			12.29
m	12		18:59:31	+29°:03'·3			12.53
n	13		18:59:53	+29°:03'·8			12.90

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1924phae.proj.1139P

	+29° 3460	18:58:24.9	+29°:57.4		
	+29° 3473	19:00:09.8	+29°:06.7		
	+29° 3483	19:02:15.1	+29°:34.5		
		125".3	27'.8	9.9	10.1
		19:00:45.3	+29°:12'.2	2.8	2.0
		19:00:45.1	+29°:12'.2	7.1	8.1
(7)		19:00:45	+29°:12'.2		
		19:00:56.7	+29°:13'.0	3.7	2.3
		19:00:56.5	+29°:13'.0	6.2	7.8
(6)		19:00:57	+29°:13.0		
1	+29° 3460	18:58:24.9	+29°:57.4		
1	+28° 3186	19:00:10.1	+28°:53'.4		
		105".2	64'.0	8.4	23.5
		18:59:42.5	+29°:13'.6	6.2	16.1
		18:59:42.5	+29°:13'.5	2.2	7.4
(8)		18:59:42	+29°:13'.6		
		18:58:58.7	+29°:10'.3	2.7	17.3
		18:58:58.7	+29°:10'.2	5.7	6.2
(9)		18:58:59	+29°:10'.3		
		18:58:53.7	+29°:07'.3	2.3	18.4
		18:58:53.7	+29°:07'.2	6.1	5.1
(10)		18:58:54	+29°:07'.3		
		18:59:15.0	+29°:05'.7	4.0	19.0
		18:59:15.0	+29°:05'.6	4.4	4.5
(11)		18:59:15.0	+29°:05'.7		
		18:59:31.3	+29°:03'.3	5.3	19.9
		18:59:31.3	+29°:03'.2	3.1	3.6
(12)		18:59:31	+29°:03'.3		
		18:59:52.6	+29°:03'.8	7.0	19.7
		18:59:52.6	+29°:03'.7	1.4	3.8
(13)		18:59:53	+29°:03'.8		

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1924phae.proj.1129P

Cygnus r = 9

Rev Des.	Des.	B.D.	R.A.	Dec.	Pos. Approx	B.D mag.	
a	1	+28° 3104	18:45:53.8	+28°:36'.5	18 46.0 +28.6	6.5	7.46
b	2	+28° 3106	18:46:19.1	+28°:36'.1	46.3 +28.6	8.2	7.82
c	3	+28° 3098	18:44:45.7	+28°:43'.6	44.8 +28.7	9.0	8.49
d	4	+29° 3360	18.44.24.0	+29°:01'.5	44.4 +29.0	9.2	9.00
e	5	+28°.3111	18:47:26.3	+28°:39'.3	47.5 +28.7	9.2	9.68
f	6		18:45:54	+28°:41'.2	..		9.88
g	7		18:46:13	+28°:45'.5	..		10.75
h	8	+28° 3105	18:46.09.1	+28°:38'.7	46.2 +28.6 ft	9.5	10.77
k	9		18:46:08	+28°:38'.4			12.04
m	10		18:46:33	+28°:45'.3			12.74
l	11		18:46:44	+28°:43'.9			12.57
n	12		18:46:39	+28°:44'.5			13.19

18:45:53.8 +28°:36'.5

18:46:09.1 +28°:38'.7

15'.3 2'.2 1.3 .8

18:46:07'.9 +28°:38'.4 1.2 .7

18:46 07'.9 +28°:38'.4 0.1 .1

(9) 18:46:08 +28°:38'.4

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1924phae.proj.1129P

+29° 3381 18:47:59.6 +29°:12'.1

9 +28° 3098 18:44:45.7 +28°:43'.6

2 +28° 3106 18:46:19.1 +28°:36'.1

93".4 7'.5 7.6 2.8

18:45:54.5 +28°:41'.2 5.6 .9

18:45:54.5 +28°:41'.2 2.0 1.9

(6) 18:45.54 +28° 41'.2

18:46:08.0 +28°:39'.3 6.7 1.6

18:46:08.0 +28°:39'.3 .9 1.2

(8) 18:46:08 +28°:39'.3

18:47:08.8 +28°:38'.8 6.6 1.8

18:47:06'.8 +28°:38'.8 1.0 1.0 see top. page.

(9) 18:47.07 +28°:38'.8

1 +28°3104 18:45:53.8 +28°:36'.5

+29° 3381 18:47:59.6 +29°:12'.1

125".8 35'.6 10.0 13.4

18:46:12.7 +28°:45'.5 1.5 3.4

18:46:12.7 +28°.45'.5 8.5 10.0

(7) 18:46:13 +28°:45'.5

18:46:32.8 +28°:45'.3 3.1 3.3

18:46:32.8 +28°:45'.3 6.9 10.1

(10) 18:46:33 +28°:45'.3

18:46:44.8 +28°:43'.9 4.0 2.8

18:46:44.1 +28°:43'.9 6.0 10.6

(11) 18:46:44 +28°:43'.9

18:46:39.1 +28°:44'.5 3.6 3.0

18:46:39.1 +28°:44'.5 6.4 10.4

(12) 18:46:39 +28°:44.5

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1924phae.proj.1129P

Cygnus s = 6

Rw. Dis.	Dis.	BD	RA	Dec	approx Pos		Mag	
a	1	+28° 3039	18:32:27.7	+28°:49':2	18 32.8	+28.8	8.2	7.76
b	2	+28° 3032	18:31:34.9	+28°:55':6	31.6	+28.9	8.0	7.91
c	3	+28° 3030	18:31:20.9	+28°:46':5	31.5	+28.7	9.3	8.75
d	4		18:31:40	+28°:48':4	..			9.58
e	5	+29° 3298	18:30:51.0	+29°:05':9	30.8	+29.1	9.3	9.84
f	6	+28° 3034	18:31:47.8	+28°:59':9	31.8	+29.0	9.5	10.66
g	7		18:30:33	+28°:58':7				11.06
h	8		18:31:09	+28°:57':6				11.36
k	9		18:31:51	+29°:01':3				12.10
l	10		18:31:38	+29°:00':1				12.64
m	11		18:32:23	+28°:57':4				12.85
n	12		18:32:04	+28°:51':6				12.96

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1924phae.proj:1129P

+29° 3294 18:30:04.5 +29°:10'.3

+29° 3294 18:30:04.5 +29°:10'.3

(3) +28° 3030 18:31:20.9 +28°:46'.5

76".4 23'.8 5.9 9.0

18:30:33'.0 +28°:58'.7 2.2 4.4

18:30:33'.0 +28:58'.7 3.7 4.6

(7) 18:30:33 +28°:58'.7

18:31:09.3 +28°:57'.6 5.0 4.8

18:31:09.2 +28:57'.6 .9 4.2

(8) 18:31:09 +28°:57'.6

+28° 3032 18:31:34.9 +28°:55'.6

+28°3037 18:32:18.5 +28°:30'.3

43".6 25'.3 3.2 9.6

18:31:40.4 +28°:48'.4 .4 2.7

18:31:40.3 +28:48'.5 2.8 6.9

(4) 18:31:40 +28°:48'.4

(5) +29°3298 18:30:51.0 +29°:05'.9

(1) +28°3039 18:32:37.7 +28°:49'.2

106".7 16'.7 8.2 6.9

18:31:50.8 +29°10 1'.3 4.6 1.9

18:31:50.9 +29:01'.3 3.6 5.0

(9) 18:31:51 +29°:01'.3

18:31:37.8 +29°:00'.1 3.6 2.4

18:31:37.9 +29°:00.1 4.6 4.5

(10) 18:31:38 +29°:00'.1

18:32:23.3 +28°:57'.4 7.1 3.5

18:32:23.4 +28°:57'.4 1.1 3.4

(11) 18:32:23 +28°:57'.4

18:32:03.8 +28°:58'.6 5.6 5.9

18:32:03.9 +28°:51'.6 2.6 1.0

(12) 18:32:04 +28°:51'.6

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1924phae.proj.1129P

Cygnus t = 3

Dev. Des.	Des.	BD	RA	Dec	Approx Pos.	BD Mag	
a	1	+29° 3213	18:09:07.0	+29°:10'.8	18 9.1 +29.2	7.0	4.75
b	2	+29° 3216	18:09:35.4	+29°:46'.1	9.6 +29.1	9.0	9.00
c	3	+29° 3215	18:09:21.2	+29°:22'.9	9.2 +29.4	9.0	9.92
d	4	+29° 3214	18:09:08.1	+29°:27'.5	9.1 +29.5	9.2	10.21
e	5	+29° 3225	18:10:37.3	+29°:07'.8	10.3 +29.1	9.4	10.75
f	6	+29° 3221	18:10:01.6	+29°:06'.5	10.0 +29.1	9.5	11.30
g	7		18:10:14	+29°:15'.3			12.02
h	8		18:10:09	+29°:13'.3			12.02
k	9		18:10:13	+29°:16'.1			12.83
l	10		18:10:28	+29°:15'.8			13.29

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1924phae.proj.1129p

	+29° 3226	18:11:27.4	+29°:33′.9		
	+29° 3221	18:10:01.6	+29°:06′.5		
	+29° 3226	18 11: 27.4	+29°:33′.9		
		85″.8	27′.4	6.8	10.0
		18:10:14.2	+29°:15′.3	1.0	3.2
		18:10:14.2	+29°:15′.3	5.8	6.8
(7)		18:10:14	+29°:15′.3		
		18:10:09.2	+29°:13′.4	.(	2.5
		18:10:09.2	+29°:13′.3	6.2	7.5
(8)		18:10:09	+29°:13′.3		
		18:10:12.9	+29°:16′.1	.9	3.5
		18:10:13.0	+29°:16′.1	5.9	6.5
(9)		18:10:13.0	+29°:16′.1		
		18:10:28.1	+29°:15′.8	2.1	3.4
		18:10:28.1	+29°:15′.8	4.7	6.6
(10)		18:10:28	+29°:15′.8		

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1924phae.proj.1129P

Cygnus $m = 33$

Rev. Des	Des.	BD	R.a	Dec.	Approp. Cos.		BD mag.	
a	1	+23° 3975	20:14:02·3	+23°.46'.7	20 14.0	+23.7	8.7	8.44
b	2	+23° 3970	20:13:22·2	+23°.46'.7	13.5	+23.7	8.4	8.69
c	3	+23° 3979	20:14:41·7	+23°.42'.2	14.8	+23.6	9.3	9.21
d	4		20:14:05	+23°.34'.9				10.06
e	5		20:14:27	+23°.46'.5				10.19
f	6		20:13:12	+23°.50'.4				10.97
h	7		20:13:01	+23°.48'.4				11.36
g	8		20:12:29	+23°.46'.7				11.02
h	9		20:13:55	+23°.30'.8				11.28
l	10		20:14:19	+23°.27'.5				11.62
m	11		20:13:56	+23°.33'.0				12.12
n	12		20:14:24	+23°.28'.6				12.52
o	13		20:14:39	+23°.26'.4				13.03
p	14		20:14:35	+23°.26'.4				13.19

	20:14:18·5	+23°.27'.5	4.8	7.0
	20:14:18·6	+23°.27'.5	2.6	4.9
(10)	20:14:19	+23°.27'.5		
	20:14:34.9	+23°.26'.4	1.2	7.4
	20:14:34.9	+23°.26'.4		4.5
(14)	20:14:35	+23°.26'.4		
	20:14:38·5	+23°.26'.4	6.5	7.4
	20:14:38·6	+23°.26'.4	.9	4.5
(13)	20:14:39	+23°.26'.4		

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1924phae.proj:1129P

	+23° 3980	20:14:49·1	+23°14′·0		
	+23° 3963	20:11:40·0	+23°54′·1		
	+23° 3963	20:11:40·0	+23°54′·1		
(3)	+23° 3970	20:13:22·2	+23°46′·7		
		102″·2	7′·4	8·3	3·0
		20:12:29·3		4·0	
(8)		20:12:29·2		4·3	0
		20:12:29			
		20:13:01·4	+23°48′·4	6·6	2·3
(7)		20:13:01·3	+23°48′·4	1·7	·7
		20:13:01	+23°48′·4		
		20:13:12·5	+23°50′·4	7·5	1·5
(6)		20:13:12·3	+23°50′·4	·8	1·5
		20:13:12	+23°50′·4		
	+23° 3974	20:13:55·0	+23°57′·0		
	+23° 3980	20:14:49·1	+23°14′·0		
		54″·1	43′·0	4·7	15·6
		20:14:05·3	+23°35′·0	·9	8·0
		20:14:05·3	+23°34′·9	3·8	7·6
(4)		20:14:05	+23°34′·9		
		20:14:27·2	+23°46′·5	2·8	3·8
		20:14:27·2	+23°46′·5	1·9	11·8
(5)		20:14:27	+23°46′·5		
(3)	+23° 3970	20:13:22·2	+23°46′·7		
	+23° 3980	20:14:49·1	+23°14′·0		
		86″·9	32′·7	7·4	11·9
		20:13:56·3	+23°33′·0	2·9	5·0
		20:13:56·3	+23°33′·0	4·5	6·9
(11)		20:13:56	+23°33′·0		
		20:13:55·1	+23°30′·8	2·8	5·8
		20:13:55·1	+23°30′·8	4·6	6·1
(9)		20:13:55	+23°30′·8		
		20:14:24·4	+23°28′·6	5·3	6·6
		20:14:24·5	+23°28′·6	2·1	5·3
(12)		20:14:24	+23°28′·6		

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1924phae.proj.1129P

48754 48816
48804 48795
826

Cygnus $\sigma = 29$

Prev. Des.	Des	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag	
a	1	+23° 3868	19:54:31.5	+23°:23'.7		7.3	6.98
b	2	+23° 3849	19:51:49.0	+23°:30'.7		8.5	7.83
c	3	+23° 3867	19:54:28.9	+23°:45'.4		7.8	8.30
d	4	+23° 3854	19:52:32.8	+23°:34'.7		9.4	9.37
e	5	+23° 3853	19:52:31.4	+23°:41'.7		9.4	9.55
f	6	+23° 3869	19:54:37.9	+23°:32'.8		9.5	10.05
g	7		19:54:38	+23°:38'.1			10.55
h	8		19:53:46	+23°:41'.6			11.25
l	9		19:52:40	+23°:42'.6			11.80
k	10		19:53:03	+23°:46'.4			11.42
m	11		19:53:05	+23°:48'.1			12.43
n	12		19:53:01	+23°:49'.1			12.86
o	13						13.16

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1924phae.proj.1129P

+23° 3863 19:53:33.7 +23°:52′.7
+23° 3870 19:55:12.6 +23°:27′.1

③ +23° 3867 19:54:28.9 +23°:45′.4
+23° 3870 19:55:12.6 +23°:27′.1
43″.7 18′.3 3.8 6.5
19:54:38.1 +23°:38′.1 .8 2.6
19:54:38.1 +23°:38′.1 3.0 3.9
⑨ 19:54:38 +23°:38′.1
④ +23° 3854 19:52:32.8 +23°:34′.7
+23° 3863 19:53:33.7 +23°:52′.7
60″.9 18′.0 4.9 6.6
19:52:40.3 +23°:42′.6 .6 2.9
19:52:40.3 +23°:42′.6 4.3 3.7
⑨ 19:52:40 +23°:42′.6
19:53:46.5 +23°:41′.6 1.1 2.5
19:53:46.5 +23°:41′.5 3.8 4.1
⑧ 19:53:46 +23°:41′.6
19:53:02.6 +23°:46′.4 2.4 4.3
19:53:02.6 +23°:46′.4 2.5 2.3
⑩ 19:53:03 +23°:46′.4
19:53:01.4 +23°:49′.1 2.3 5.3
19:53:01.4 +23°:49′.2 2.6 1.3
⑫ 19:53:01 +23°:49′.1

⑬
19:53:05.1 +23°:48′.1 2.6 4.9
19:53:05.1 +23°:48′.1 2.3 1.7
⑪ 19:53:05 +23°:48′.1

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1924phae.proj.1129P

Cygnus w = 25

Rev. Des.	Des	B.D.	R.a.	Dec.	Approx Pos.	B.D. mag	
a	1	+23° 3760	19:39:16.7	+23°:34'.9	19 39.3 +23.6	7.2	7.95
b	2	+23° 3773	19:41:16.1	+23°:33'.9	41.2 +23.6	8.3	8.46
d	3	+23° 3762	19:39:30.5	+23°:38'.3	39.4 +23.6	9.2	9.68
c	4	+23° 3769	19:40:17.3	+23°:30'.0	40.3 +23.5	9.0	9.09
e	5	+23° 3757	19:38:56.8	+23°:32'.4	39.1 +23.5	9.4	9.83
f	6	+23° 3690	19:37:45.4	+23°:25'.8	37.8 +23.5	9.1	10.00
g	7	+23° 3691	19:37:46.1	+23°:19'.6	37.8 +23.4	8.7	10.03
h	8	+23° 3764	19:39:39.4	+23°:18'.3	39.7 +23.4	9.5	10.42
k	9		19:38:14	+23°:22'.0			10.69
l	10		19:38:35	+23°:30'.2			10.87
m	11		19:38:42	+23°:28'.0			11.45
o	12		19:38:43	+23°:25'.6			12.07
	(13)		19:38:55	+23°:09'.4			
n	14		19:38:54	+23°:08'.1			11.86
p	15						12.98

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1924phae.proj.1129P

	+23° 3766	19:39:43.5	+23°:03'.1		
8	+23° 3691	19:37:46.1	+23°:19'.6		
5	+23° 3757	19:38:56.8	+23°:32'.4		
		70".7	12'.8	5.8	4.7
		19:38:14.1	+23°:22'.0	2.3	.9
		19:38:14.1	+23°:22'.0	3.5	3.8
9		19:38:14	+23°:22'.0		
		19:38:43.4	+23°:25'.6	4.7	2.2
		19:38:43.4	+23°:25'.6	1.1	2.5
12		19:38:43	+23°:25'.6		
		19:38:42.2	+23°:28'.0	4.6	3.1
		19:38:42.2	+23°:28'.0	1.2	1.6
11		19:38:42	+23°:28'.0		
		19:38:34.8	+23°:30'.2	4.0	3.9
		19:38:34.8	+23°:30'.2	1.8	.8
10		19:38:35	+23°:30'.2		
7	+23° 3691	19:37:46.1	+23°:19'.6		
	+23° 3766	19:39:43.5	+23°:03'.1		
		117".4	16'.5	9.9	6.0
		19:38:54.9	+23°:09'.4	5.8	3.7
		19:38:54.9	+23°:09'.4	4.1	2.3
14		19:38:55	+23°:09'.4		
		19:38:53.7	+23°:08'.0-1	5.7	4.2
		19:38:53.7	+23°:08'.1	4.2	1.8
15		19:38:54	+23°:08'.1		

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1924phae.proj.1129P

Cygnus xc = 19

Rev. Des	Des	B.D.	R.a.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+22° 3728	19:26:16·5	+22°:56′·0	19 26.2 +22.9	8.1	8.25
b	2	+22° 3726	19:25:49·8	+22°:45′·4	25.8 22.7	9.0	9.14
c	3	+23° 3670	19:24:16·4	+23°:28′·8	24.2 +~~22.5~~ 23	9.0	9.50
d	4	+23° 3668	19:23:53·8	+23°:20′·2	23.9 22.4	8.9	10.12
e	5	+23° 3676	19:25:03·7	+23°:13′·7	25.0 22.2	9.4	10.16
f	6	+23° 3674	19:24:48·7	+23°:05′·3	~~24.8~~ ~~22.1~~ 23	9.4	10.58
g	7	+23° 3673	19:24:42·0	+23°:00′·7		9.3	10.72
h	8		19:24:53	+23°:32′·0			11.34
k	9		19:25:45	+23°:01′·5			11.98
l	10		19:25:38	+23°:04′·0			12.05
m	11		19:26:37	+23°:09′·0			12.24
n	12		19:25:25	+23°:10′·7			12.56
o	13		19:26·33	+23°:05′·4			13.16
	(14)						

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1924phae.proj.1129P

+23° 3684 19:27:20.7 +23°:11'.2
+23° 3677 19:25:41.0 +23°:36'.6

+23°3670 19:24:16.4 +23°:28'.8
+23° 3677 19:25:41.0 +23°:36'.6
84".6 7'.8 7.0 3.0
19:24:52.7 +23°:32'.0 3.0 1.2
(8) 19:24:52.6 +23°:32'.0 4.0 1.8
19:24:53 +23°:32'.0

(7) +22° 3728 19:26:16.5 +22°:56'.0
+23° 3684 19:27:20.7 +23°:11'.2
64".2 15'.2 5.1 5.4
19:26:32.9 +23°:05'.4 1.3 3.4
19:26 32.9 +23°:05'.4 3.8 2.1
(13) 19:26:33 +23°:05'.4
(5) +23° 3676 19:25:03.7 +23°:13'.7
(7) +22° 3728 19:26:16.5 +22°:56'.0
72".8 17'.7 6.1 6.4
19:25:25.2 +23°:10'.7 1.8 1.1
19:25:25.3 +23°:10'.7 4.3 5.3
(12) 19:25:25 +23°:10'.7
19:25:37.1 +23°:09'.0 2.8 1.7
19:26:37.1 +23°:09'.0 3.3 4.7
(11) 19:26:37 +23°:09'.0
19:25:38.3 +22°:04'.0 2.9 3.5
19:25:38.3 +23°:04'.0 3.2 2.9
(10) 19:25:38 +23°:04'.0
19:25:45.5 +23°:01'.5 3.5 4.4
19:25:45.5 +23°:01'.5 2.6 2.0
(9) 19:25:45 +23°:01'.5

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1924phae.proj.1129P

Cygnus $\gamma = 13$

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	BD mag.	
a	1	+23° 3586	19:05:04.2	+23°:14'.8	19 5.2 +23.3	6.8	6.97
b	2	+23° 3584	19:04:38.0	+23°:36'.7	4.5 +23.7	7.8	8.06
c	3	+23° 3580	19:04:01.6	+23°:41'.7	4.0 +23.7	8.5	8.58
d	4	+23° 3594	19:06:27.5	+23°:36'.0	6.2 +22.7	9.4	9.57
e	5	+23° 3591	19:06:01.4	+23°:31'.6	6.0 +22.6	9.5	10.08
f	6	+24° 3678	19:06:59.1	+24°:00'.9	7.3 ~~+24.0~~	9.3	10.16
g	7		19:05:11	+23°:29'.3			11.23
h	8		19:06:15	+23°:44'.1			11.37
k	9		19:05:58	+23°:44'.4			11.78
l	10		19:06:05	+23°:46'.6			12.19
m	11		19:06:01	+23°:48'.7			12.41
n	12		19:05:54	+23°:52'.8			12.54
o	13		19:06:15	+23°:44'.1			13.20

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1924phae.proj:1120P

+23° 3585 19:04:56.3 +23°:25':1

+23° 3585 19:04:56.3 · +23°:25':1

⑤ +23° 3591 19:06:01.4 +23°:31':6

65":1 6':5 5.3 2.5

19:05:11.0 +23°:29':3 1.2 1.6

19:05:11.0 +23°:29':3 4.1 .9

⑦ 19:05:11 +23°:29':3

+23° 3585 19:04:56.3 +23°:25':1

⑥ +24° 3678 19:06:59.1 +24°:00':9

122":8 35':8 10.0 13.2

19:06:05.0 +23°:46':0 5.6 7.7

19:06:05.1 +23°:46':0 4.4 5.5

⑩ 19:06:05 +23°:46':0

19:06:01.4 +23°:48':7 5.3 5.7

19:06:01.4 +23°:48':7 4.7 4.5

⑪ 19:06:01 +23°:48':7

19:05:54.0 +23°:52':8 4.7 10.2

19:05:54.0 +23°:52':8 5.3 3.0

⑫ 19:05:54 +23°:52':8

19:06:14.8 +23°:48':4 6.4 8.6

19:06:14.9 +23°.48.4 3.6 4.6

⑬ 19:06:15 +23°:48':4

19:06:14.8 +23°:44':1 6.4 7.0

19:06:14.9 +23°.44.1 3.6 6.2

⑧ 19:06:15 +23°:44':1

19:05:57.7 +23°:44':4 5.0 7.1

19:05:57.7 +23°:44':4 5.0 6.1

⑨ 19:05:58 +23°:44':4

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1924phae.proj.1129P

Cygnus $\gamma = 10$

Rev. Dec.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	BD mag.	
a	1	+23°3513	18:52:24·5	+23°:36'·5	18 52.2 +23.7	7.5	8.13
b	2	+23°3510	18:52:14·5	+23°:39'·9	18 52.1 +23.7	8.5	8.43
c	3	+23°3512	18:52:20·6	+23°:46'·6	52.2 +23.8	8.9	8.91
d	4	+23°3515	18:52:28·7	+23°:51'·6	52.2 +23.9	9.1	9.18
e	5	+24°3596	18:53:38·1	+24°:03'·2	52.3 +24.1	8.6	9.59
f	6		18:52:58	+23°:54'·3	"		10.42
g	7	+23°3511	18:52:16·5	+23°:36'·3	1852.2 +23.7 ff	9.5	10.51
h	8		18:52:11	+23°:44'·6			11.22
k	9		18:52:10	+23°:43'·8			11.34
l	10		18:51:54	+23°:41'·2			11.64
m	11		18:51:45	+23°:53'·4			11.66
n	12		18:51:54	+23°:50'·8			12.09
o	13		18:51:58	+23°:51'·3			12.62
p	14		18:52:34	+23°:36'·0			12.77
q	15		18:53:02	+23°:55'·4			12.93
r	16		18:52:58	+23°:55'·1			13.07

(5) +24°3596 18:52 38·1 +24:03·2

+23° 3522 18:54:07·4 +23°:26'·7

89".3 36'·5 7.6 13.5

18:52:58·1 +23°:55'·6 1.7 3.6

18:52:58·0 +23°:55'·1 5.9 10.5

(16) 18:52:58 +23°:55'·1

18:53:01·6 +23°:55'·4 2.0 2.9

18:53:01·7 +23°:55'·4 5.6 10.6

(15) 18:53:02 +23°:55'·4

18:52:58·1 +23°:54'·3 1.7 3.3

18:52:58·0 +23°:54·3 5.9 10.2

(6) 18:52:58 +23°:54'·3

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1924phae.proj.1129P

	+23° 3518	18:52:52.2	+23°:12'.6		
	+23° 3506	18:51:01.8	+23°:56'.0		
	+23° 3522	18:54:07.4	+23°:26'.7		
	+23° 3506	18:51:01.8	+23°:56'.0		
⑧	+23° 3510	18:52:14.5	+23°:39'.9		
		72".7	16'.1	6.0	6.2
		18:51:45.4	+23°:53'.4	3.6	1.0
		18:51:45.4	+23°:53'.4	2.4	5.2
⑪		18:51:45	+23°:053'.4		
		18:51:53.9	+23°:50'.8	4.3	2.0
⑫		18:51:53.9	+23°:50'.8	1.7	4.2
		18:51:54	+25°:50'.8		
		18:52:10.9	+23°:44'.6	5.7	4.4
		18:52:10.9	+23°:44'.6	.3	1.8
⑧		18:52:11	+23°:44'.6		
		18:52:09.7	+23°:43'.8	5.6	4.7
		18:52:09.7	+23°:43'.8	.4	1.5
⑨		18:52:10	+23°:43'.8		
		18:51:53.9	+23°:41'.2	4.3	5.7
		18:51:53.9	+23°:41'.2	1.7	.5
⑩		18:51:54	+23°:41'.2		
⑧	+23° 3510	18:52:14.5	+23°:39'.9		
	+23° 3518	18:52:52.2	+23°:12'.6		
		37".7	27'.3	3.2	9.8
		18:52:34.5	+23°:36'.0	1.7	1.4
		18:52:34.5	+23°:36'.0	1.5	8.4
⑭		18:52:34	+23°:36'.0		
		18:51:57.6	+23°:51'.3	4.6	1.8
		18:51:57.5	+23°:51'.3	1.4	4.4
		18:51:58	+23°:51'.3		
⑬					

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1924phae.proj.1129P

Cygnus α-7

Rev. Des.	Des.	B.D.	R.A.	Dec.	Approx Pos.	B.D. Mag.	
a	1	+24°3504	18:37:10·1	+24°04′·8	18 37.1 +24.1	8.6	8.47
b	2	+23°3431	18:37:50·3	+23°56′·4	37.8 +23.9	9.1	8.95
c	3	+23°34~~28~~21	18:36:10·7	+23°43′·9	36.2 +23.7	8.3	9.06
d	4	+23°3425	18:37:15·8	+23°53′·8	37.2 +23.8	9.5	10.00
e	5		18:36:58	+23°51′·0	"		10.~~8~~2 4
f	6	+23°3419	18:36:07·6	+23°44′·2		9.4	10.82
g	7	+23°3422	18:36:29·4	+23°51′·9		9.5	11.06
h	8		18:36:27	+23°52′·3			11.22
k	9		18:36:39	+23°58′·7			11.58
l	10		18:36:32	+23°52′·6			11.91
m	11		18:36:16	+23°47′·5			12.21
o	12		18:36:35	+23°55′·0			12.83
n	13		18:36:39	+23°54′·8			12.82

(night star at .09)

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1924phae.proj.1139P

(6)	+23°3419	18:36:07.6	+23°44'.2		
(b)	+24°3504	18:37:10.1	+24°04'.8		
		62".5	20'.6	5.2	7.6
		18:36:16.0	+23°47'.5	.7	1.2
		18:36:16.0	+23°47.5	4.5	6.4
(11)		18:36:16	+23°47'.5		
		18:36:26.8	+23°52'.3	1.6	3.0
		18:36:28.8	+23°52'.3	3.6	4.6
(8)		18:36:27	+23°52'.3		
		18:36:29.2	+23°52'.1	1.8	2.9
		18:36:29.2	+23°52'.1	3.4	4.7
(7)		18:36:29	+23°52'.1		
		18:36:31.6	+23°52'.6	2.0	3.1
		18:36:31.6	+23°52'.6	3.2	4.5
(16)		18:36:32	+23°52'.6		
		18:36:36.4	+23°51'.8	2.4	4.3
		18:36:36.4	+23°55'.0	2.8	3.3
(12)		18:36:36	+23°55'.0		
		18:36:38.8	+23°56'.7	2.6	4.6
		18:36:38.9	+23°56'.7	2.6	3.0
(9)		18:36:39	+23°56'.7		
		18:36:38.8	+23°54'.8	2.5	3.9
		18:36:38.9	+23°54'.8	2.6	3.7
(13)		18:36:39	+23°54'.8		
		18:36:58.1	+23°51'.0	4.2	2.5
		18:36:58.1	+23°51'.0	1.0	5.1
(5)		18:36:58	+23°51'.0		

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1924phae.proj.1129P

Cygnus β = 4

Sw. Obs.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	BD mag.	
a	1	+23° 3312	18:15:44.9	+23°:52'.6	18 15.8 +23.8	9.1	8.96
b	2	+23° 3310	18:15:22.7	+23°:56'.5	15.4 +23.9	9.0	9.19
d	3	+23° 3311	18 15:24.6	+23°:54.9	15.4 +23.9 f	9.3	10.11
c	4	+23° 3318	18:16:31.5	+23°:40'.0	16.8 +23.7 b	9.1	9.73
g	5		18:15:32	+23°:50'.4	"		11.34
e	6	+23° 3321	18:16:56.4	+23°:45'.1	16.9 +23.8	9.5	10.89
f	7		18:17:20	+23°:46'.6			11.32
h	8		18:16:49	+23°:55'.1			12.31
k	9		18:17:10	+23°:55'.3			12.48
l	10		18:17:09	+23°:55'.6			13.07
m	11		18:16:32	+23°:55'.4			13.07

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1924phae.proj.1129P

+23° 3314 18:16:01.0 +23°:46′.2
+24° 3407 18:17:39.6 +24°:08′.1

(3) +23° 3311 18:15:24.6 +23°:54′.9
+23° 3314 18:16:01.0 +23°:46′.2
36″.4 8′.7 3.1 3.3
18:15:31.6 +23°:50′.4 .6 1.7
18:15:31.7 +23°:50′.4 2.5 1.4
(5) 18:15:32 +23°:50′.4

+23° 3314 18:16:01.0 +23°:46′.2
+24° 3407 18:17:39.6 +24°:08′.1
98″.6 21′.9 8.2 8.1
18:16:49.7 +23°:55′.1 4.0 3.3
18:16:49.1 +23°:55′.1 4.2 4.8
(8) 18:16:49 +23°:55′.1
18:16:32.2 +23°:55′.4 2.6 3.4
18:16:32.3 +23°:55′.4 5.6 4.7
(11) 18:16:32 +23°:55′.4

+23° 3318 18:16:31.5 +23°:40′.0
+24° 3407 18:17:39.6 +24°:08′.1
68″.1 28′.1 5.5 10.3
18:17:19.8 +23°:46′.6 3.9 2.4
18:17:19.8 +23°:46′.6 1.6 7.9
(7) 18:17:20 +23°:46′.6
18:17:09.9 +23°:55′.3 3.1 5.6
18:17:09.9 +23°:55′.3 2.4 4.7
(9) 18:17:10 +23°:55′.3
18:17:08.7 +23°:55′.5 3.0 5.7
18:17:08.8 +23°:55′.6 2.4 4.6
(10) 18:17:09 +23°:55′.6

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1924phae.proj.1129P

Cygnus γ = 1

Pw. Des.	Des.	B. D.	R. A.	Dec.	Appr. Pos.	BD. mag.	
a	1	+24° 3340	18:02:58·0	+24°:08'·4	18 3.3 +24.2	7·6	8.50
b	2	+23° 3268	18:01:59·9	+23°:51'·0	2.2 +23.8	8·8	9.35
c	3	+23° 3270	18:02:16·0	+23°:48'·5	2.4 +23.8	8·8	9.87
d	4	+23° 3264	18:00:58·2	+23°:48'·2	1.0 +23.8	9·3	10.71
e	5	+23° 3266	18:01:22·6	+23°:50'·0	1.5 +23.8	9·4	10.95
f	6		18:01:40	+23°:48'·8			11.45
h	7		18:01:22	+23°:49'·1			12.09
g	8		18:01:38	+23°:37'·9			11.88
k	9		18:02:28	+23°:35'·6			12.31
l	10		18:02:57	+23°:35'·6			12.78
m	11		18:03:20	+23°:35'·3			13.18

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+23° 3265 18:01:00.6 +23°:23'.4
+23° 3274 18:03:47.3 +23°:07'.8

+23° 3265 18:01:00.6 +23°:23'.4
⑥ +23° 3268 18:01:59.9 +23°:51'.0
59".3 27'.6 5.0 10.0
18:01:38.5 +23°:38'.0 3.2 5.2
18:01:38.3 +23°:37'.8 1.8 4.8
⑧ 18:01:38 +23°:37'.9
18:01:21.9 +23°:49'.0 1.8 9.3
18:01:21.9 +23°:49'.1 3.7 .7
⑦ 18:01:22 +23°:49'.1
18:01:39.7 +23°:48'.8 3.3 9.2
18:01:39.7 +23°:48'.8 1.7 .8
⑥ 18:01:40 +23°:48'.8
+23° 3270 18:02:16.0 +23°:48'.5
+23° 3274 18:03:47.3 +23°:07'.8
91".3 40'.7 7.7 15.4
18:02:27.8 +23°:35'.6 1.0 4.9
18:02:27.9 +23°:35'.6 6.7 10.5
⑨ 18:02:28 +23°:35'.6
18:02:57.5 +23°:35'.6 3.5 4.9
18:02:57.5 +23°:35'.6 4.2 10.5
⑩ 18:02:57 +23°:35'.6
18:03:20.0 +23°:35'.3 5.4 5.0
18:03:20.0 +23°:35'.3 2.3 10.4
⑪ 18:03:20.0 +23°:35'.3

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1924phae.proj.1129P

Cygnus δ = 35°

Rev. Des.	Des.	BD	R.A.	Dec.	Approx. Pos.	BD mag.	
a	1	+20° 4571	20:20:45·7	+20°:00'·3	20 20.7 +20.0	6·8	8.13
c	2	+20° 4584	20:21:55·7	+20°:02'·5	20 21.9 +20.0	7·6	8.69
b	3	+20° 4561	20:19:33·9	+20°:06'·6	19.7 20.1	7·8	8.51
d	4	+19° 4413	20:20:52·7	+19°:49'·9	20.8 19.9	8·9	10.10
e	5	+19° 4411	20:20:26·7	+19°:48'·0	20.4 19.9	9·3	10.27
g	6	+20° 4556	20:18:58·9	+20°:11'·0	19.0 20.2	8·7	10.33
f	7	+20° 4570	20:20:43·9	+20°:05'·1	20.8 20.1	8·9	10.31
h	8	+20° 4563	20:19:58·6	+20°:09'·0	20.0 – 20.1	9·5	10.43
k	9	+20° 4564	20:20:05·1	+20°:11'·8	20.0 + 20.2	9·5	11.04
m	10		20:20:14	+20°:12'·6			12.10
	(11)						
l	12		20:18:47	+20°:07'·6			12.06
n	13		20:19:09	+20°:15'·3			12.66
o	14		20:19:00	+20°:15'·7			13.32

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1924phae.proj.1129P

+20° 4557	20:19:07.5	+20°:33′.8		
+19° 4395	20:17:22.7	+19°:48′.2		
+20° 4557	20:19:07.5	+20°:33′.8		
⑨ +20° 4570	20:20:43.9	+20°:05′.1		
	96″.4	28′.7	8.4	10.4
	20:20:14.0	+20°:12′.6	5.8	7.7
	20:20:14.1	+20°:12′.6	2.6	2.7
⑩	20:20:14	+20°:12′.6		
+19° 4395	20:17:22.7	+19°:48′.2		
+20° 4557	20:19:07.5	+20°:33′.8		
	104″.8	45′.6	8.7	16.9

⑪	20:18:47.1	+20°:07′.6	7.0	7.2
	20:18:47.1	+20°:07′.6	1.7	9.7
⑫	20:18:47	+20°:07′.6		
	20:19:08.6	+20°:15′.3	.1	6.7
	20:19:08.6	+20°:15′.3	8.3	3.7
⑬	20:19:09	+20°:15′.3		
	20:19:00.3	+20:15′.7	8.1	10.2
	20:19:00.3	+20°:15′.7	.6	6.7
⑭	20°:19:00	+20°:15′.7		

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1924phae.proj.1129P

Cygnus ε = 31

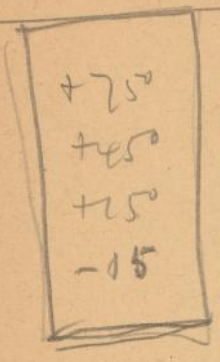
Rev. Des	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+20° 4453	20:03:32.7	+20°:29'.2	20 3.6 +20.5	8.4	6.72
b	2	+20° 4448	20:03:17.4	+20°:39'.5	3.4 +20.6	8.2	8.37
c	3	+20° 4452	20:03:29.2	+20°:28'.3	3.6 +20.5-	7.8	8.69
d	4	+20° 4454	20:03:32.8	+20°:35'.0	3.6 +20.5+	8.2	9.11
e	5	+20° 4456	20:03:38.7	+20°:33'.6	3.6 +20.5+f	9.2	10.04
f	6		20:03:18	+20°:33'.3	"		10.66
g	7		20:03:45	+20°:32'.3	"		10.89
h	8		20:03:28	+20°:33'.3	"		11.44
k	9		20:03:52	+20°:44'.9	"		11.58
l	10		20:03:25	+20°:27'.9	"		11.96
m	11		20:04:14	+20°:41'.9			12.65
n	12		20:04:06	+20°:41'.4			13.00
o	13		20:04:00	+20°:41'.1			13.13

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$20^h\ 19$ $+47°\ 7$ u Cyg

$20^h\ 39.2$ $+47°\ 9$ V Cyg



B8

38" = 1mm

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+20° 4464 20:04:55.4 +20°:55':5
+20° 4473 20:02:09.9 +20°:19':0
+40° 4458 20:03:59.0 +20°:49':9

+20° 4473 20:02:09.9 +20°:19':0
+20° 4458 20:03:59.0 +20°:49':0

109".1 30':0 9.5 11.1
20:03:24.7 +20°:27':9 6.5 3.3
20:03:24.5 +20°:27':9 3.0 7.8

(10) 20:03:25 +20°:27':9
20:03:17.8 +20°:33':3 5.9 5.3
20:03:17.6 +20°:33':3 3.6 5.8

(6) 20:03:18 +20°:33':3
20:03:28.1 +20°:33':3 6.8 5.3
20:03:28.0 +20°:33':3 2.7 5.8

(8) 20:03:28 +20°:33':3
20:03:45.4 +20°:32':2 8.3 4.9
20:03:45.2 +20°:32':3 1.2 6.2

(7) 20°:03:45 +20°:32':3
+20° 4454 20:03:32.8 +20°:35':0
+20° 4464 20:04:55.4 +20°:55':5

82".6 20':5 7.2 7.7
20°:04:00.3 +20°:41':1 2.4 2.3
20:04:00.3 20°:41':1 4.8 5.4

(13) 20:04:00 20°:41':1
20:03:52.3 +20°:44':9 1.7 3.7
20:03:52.3 +20°:44':9 5.5 4.0

(9) 20:03:52 +20°:44':9
20:04:06.1 +20°:41':4 2.9 2.4
20:04:06.0 +20°:41':4 4.3 5.3

(12) 20:04:06 +20°:41':4
20:04:14.1 +20°:41':9 3.6 2.6
20:04:14.1 +20°:41':9 3.6 5.1

(11) 20:04:14. +20°:41':9

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Cygnus 5 = 27

Rev. Des	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+19° 4175	19:44:24.0	+19°:51'.2	19 44.3 +19.9	7.5	7.01
b	2	+19° 4177	19:44:31.7	+19°:40'.5	44.3 +19.7	7.5	7.54
c	3	+19° 4173	19:44:19.0	+19°:57'.7	44.2 +19.9+	8.9	8.53
d	4	+20° 4323	19:47:23.2	+20°:08'.1	47.3 +20.1	9.2	9.20
e	5	+20° 4322	19:47:17.2	+20°:06'.7	47.3 +20.1 f	9.3	9.62
f	6	+20° 4316	19:46:39.8	+20°:19'.9	46.8 +20.4	9.2	9.80
g	7	+20° 4314	19:46:11.9	+20°:22'.9	46.1 +20.4	9.2	10.23
h	8	+20° 4309	19:45:40.7	+20°:12'.1	45.7 +20.2	9.5	11.09
k	9		19:46:10	+19°:52'.2			11.03
of g l	10		19:46:18	+19°:51'.0			11.49
m	11		19:46:12	+19°:48'.5			11.95
n	12		19:46:47	+20°:19'.6			12.67
o	13		19:46:11	+20°:20'.6			12.99

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Cyg 21 $19^h 28^m$ $+40°$

a	+39°3809	19 28 00	+39 21	8.20
b	+39 3777	19 23 43	+39 39	8.22
c	+39 3781	19 24 6	+39 38	8.42
d	+39 3771	19 22 53	+39 30	9.13
e	+39 3793	19 22 56	+39 43	9.74
f	+39 3784	19 24 51	+39 28	9.82
g	+39 3780	19 23 59	+39 21	9.96
h	+39 3790	19 25 27	+39 19	10.00
k	+39 3769	19 22 45	+39 22	10.14
l	+39 3770	19 22 50	+39 17	10.40
m	—	19 22 02	+39 28	10.94
n		19 22 03	+39 27	11.40
o		19 22 25	+39 31	12.28
p		19 22 24	+39 30	12.49
q		19 22 25	+39 29	12.90

22

(15)

a	+20 4218	19 34 08	+20 08.7
b			
c		23 = 10	
(9) d		24 = 11	
		45	
e			
f			
g			
h			
k			

25 (u) 14
26 (g) 15
27 (3) 13
28 (m) —
42

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	+19° 4183	19:45:12.3	+19°:45·6			
	+19° 4195	19:46:59.4	+19°:58'.5			
		107".1	12'.9	8.2	4.5	
		19:46:12.5	+19:48.5	4.6	1.0	
		19:46:12.3	+19:48.5	3.6	3.5	
(11)		19:46:12	+19°:48'.5			
		19:46:17.7	+19°:51'.0	5.0	1.9	
		19:46:17.6	+19°:51'.0	3.2	2.6	
(10)		19:46:18	+19°:51'.0			
		19:46:09.9	+19°:52'.2	4.4	2.3	
		19:46:09.7	+19°:52'.2	3.8	2.2	
(9)		19:46:10	+19°:52'.2			
(6)	+20° 4316	19:46:39.8	+20°:19'.9			
(4)	+20° 4323	19:47:23.2	+20°:08'.1			
		43".4	11'.8	3.8	4.2	
		19:46:46.6	+20°:19'.6	.6	.1	
		19:46.46.7	+20°:19'.6	3.2	4.1	
(12)		19:46:47	+20°:19'.6			
(8)	+20° 4309	19:45:40.7	+20°:12'.1			
(7)	+20° 4314	19:46:11.9	+20°:22'.9			
		31".2	10'.8	2.6	3.8	
		19:46:10.7	+20°:20'.6	2.5	3.0	
		19:46:10.7	+20°:20'.6	.1	.8	
(13)		19:46:11	+20°:20'.6			

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Cygnus $\eta = 22$

Ref.	Des.		B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1		+20° 4218	19:34:07.6	+20°08'.7	19 34.1 +20.1	6.7	6.00
b	2		+20° 4210	19:31:59.0	+20°27'.7	31.9 +20.5	6.7	7.59
c	3		+20° 4215	19:33:20.0	+20°27'.3	33.5 +20.5	7.8	8.26
d	4		+20° 4208	19:31:45.2	+20°38'.5	31.8 +20.6	9.1	10.53
	5		+20° 4214	19:32:58.5	+20°29'.0	32.9 +20.5	9.4	
e	6	*		19:32:~~59~~	+20°13'.9	32.8 +20.2		11.28
f	7	*	+20° 4213	19:32:54.7	+20°15'.7	↓	9.5	11.44
g	8			19:32:48	+20°10'.3			11.72
h	9			19:32:14	+20°12'.9			11.96
k	10			19:32:25	+20°13'.2			13.26

#7 although #7 seems fainter than #6, it seems to be the star in the catalogue. I have measured the positions two ways, and it seems to be the right star

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+20°4209 19:31:57.6 +20°:08′.4

(5) +20°4214 19:32:58.5 +20°:29′.0

60″.9 20′.6 5.2 7.7

19:32:14.0 +20°:12′.9 1.4 7.7

19:32:14.0 +20°:12′.9 3.8 6.0

(9) 19:32:14.0 +20°:12.9

19:32:24.5 +20°:13′.2 2.3 1.8

19:32:24.6 +20:13.2 2.9 5.9

(10) 19:32:25 +20°:13′.2

19:32:48.0 +20:10.3 4.3 .7 +20°:13′.9 2.1

19:32:48.0 +20°:10′.3 .9 7.0 +20°:14′.0 5.6

(8) 19:32:48 +20°:10′.3

19:32:55.0 +20°:15′.4 4.9 2.6

19:32:55.0 +20°:15′.3-4 .3 5.1

~~(6)~~

~~(7)~~ 19:32:55 +20°:15′.4

(4)

(2) +20°4210 19:31:59.0 +20°:27′.7

(3) +20°4218 19:34:07.6 +20°:08′.7

128″.6 19′.0 11.1 6.9

19:32:59.3 +20°:13′.9 5.2 5.0

19:32:59.2 +20°:13′.9 5.9 1.9

(6) 19:32:59 +20:13.9

19:32:53.5 +20°:15′.3 4.7 4.5

19:32:53.5 +20°:15′.3 6.4 2.4

(7) 19:32:55 +20°:15′.3

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Cygnus θ = 16

Rev. Des.	Des.	B.D.	R.a.	Dec.	Approx. Pos.	B.D. Mag.	
a	1	+19° 4039	19:23:01·9	+19°:59′·1	19 23.3 +19.9+	7.0	6.07
b	2	+19°4028	19:21:35·0	+19°:57′·3	19 21.2 +19.9+	7.4	6.88
c	3	+20°4146	19:21:03·4	+20°:22′·9	19 20.9 +20.4	8.6	8.23
d	4	+19°4027	19:21:14·3	+19°:52′·8	21.1 19.9	9.0	8.90
e	5	+19° 4023	19:20:29·2	+19°:52′·5	20.4 19.9	9.1	9.58
f	6	+19°4013	19:19:27·5	+19°:56′·2	19.5 +19.9	9.2	9.87
g	7	+19° 4021	19:20:24·1	+19°:54′·6	20.3 19.9	9.5	10.29
h	8		19:20:42	+19°:55′·2	-		11.08
k	9	+20°4144	19:20:49·5	+20°:05′·7	20.8 +20.1		11.48
l	10		19:20:40	+20°:03′·8			12.44
m	11		19:20:42	+19°:57′·6			12.89
	12		19:20:46	+20°:03′·2			✓

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	+20° 4138	19:19:59·0	+20°:29'·7		
4	+19° 4027	19:21:14·3	+19°:52'·0		
		75".3	37'.7	6·1	14·1
		19:20:39·7	+20°03'·8	3·3	9·7
		19:20:39·7	+20°03'·8	2·8	4·4
	(10)	19:20:40	+20°:03'·8		
		19:20:45·9	+20°03'·2	3·8	9·9
		19:20:45·9	+20°03'·2	2·3	4·2
	(12)	19:20:46	+20°:03'·2		
		19:20:42·1	+19°55'·2	3·5	12·9
		19:20:42·1	+19°:55'·2	2·6	1·2
	(8)	19:20:42·	+19°:55'·2		
		19:20:42·2	+19°57'·6	3·5	12·0
	(11)	19:20:42·2	+19°:57'·6	2·6	2·1
	↓	19:20:42	+19°:57'·6		

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Cygnus c = 11

Rec.	Dec.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+20° 4038	18:58:41.5	+20°:25'.1	18 58.3 +20.4	8.2	8.70
b	2	+20° 4045	18:59:48.3	+20°:07'.7	59.8 +20.1	8.9	9.41
c	3	+20° 4042	18:59:32.4	+20°:08'.7	59.6 +20.1	9.1	9.51
d	4	+20° 4041	18:58:58.4	+20°:16'.4	58.9 +20.3	9.2	10.19
e	5		18:58:48	+20°:12'.4			11.21
f	6		18:59:31	+20°:28'.3			11.27
g	7		19:00:23	+20°:20'.2			11.55
h	8		18:58:36	+20°:17'.1			12.23
k	9		18:59:26	+20°:08'.8			12.49
l	10		18:58:39	+20°:28'.8			12.75
~~m~~ n	11		18:58:54	+20°:28'.9			13.23
~~n~~ m	12		18:59:41	+20°:08'.0			13.11

	+20° 4036	18:58:16.5	+20°:24'.1		
(c)	+20° 4042	18:59:32.4	+20°:08'.7		
		75".9	15'.4	4.4	5.9
		18:58:35.5	+20°:17'.0	1.1	2.7
		18:58:35.5	+20°:17'.1	3.3	3.2
(8)		18:58:36	+20°:17'.1		
		18:58:47.6	+20°:12'.4	1.8	4.5
		18:58:47.6	+20°:12'.4	2.6	1.4
(5)		18:58:48	+20°:12'.4		
(d)	+20° 4041	18:58:58.4	+20°:16.4		
(b)	+20° 4045	18:59:48.3	+20°:07'.7		
		49".9	8'.7	4.3	3.3
		18:59:26.2	+20°:08'.8	2.4	2.9
		18.59:26.0	+20°:08'.8	1.9	.4
(9)		18:59:26	+20°:08'.8		

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+20° 4036 18:58:16.5 +20°24'.1
+20° 4050 19:00:26.7 +20°:38'.6
+20° 4048 19:00:13.5 +20°:03'.9

+20° 4036 18:58:16.5 +20°:24'.1
+20° 4050 19:00:26.7 +20:38.6

130".2 14'.5 11.0 5.5
18:58:39.0 +20°:28'.9 1.9 1.8
18:58:38.7 +20:28'.8 9.1 3.7

(10) 18:58:39 +20°:28'.8
18:58:54.4 +20°:28'.9 3.2 1.8
18:58:54.2 +20°:28'.9 7.8 3.7

(11) 18:58:54 +20°:28'.9
18:59:31.1 +20°:28'.3 6.3 1.6
18:59:31.0 +20°:28'.3 4.7 3.9

(6) 18:59:31 +20°:28'.3
+20° 4048 19:00:13.5 +20°:03'.9
+20° 4050 19:00:26.7 +20°:38'.6 13".2 : .7 from proportion
13".2 34'.7 .7 13.1
19:00:21.0 +20°:20'.6 .4 6.3
19:00:21.0 +20°:20'.6 .3 6.8

(7)
(2) +20°.4045 18:59:48.3 +20°:07'.7
+20° 4050 19:00:26.7 +20°:38'.6
38".4 30'.9 3.2 11.4
19:00:23.1 +20°:20'.2 2.9 4.6
19:00:23.1 +20°:20'.2 .3 6.8
19:00:23.1 +20°:20'.2

(5) +20°4042 18:59:32.4 +20°:08'.7
+20°4048 19:00:13.5 +20°:03'.9
41".1 4'.8 3.8 2.1
18:59:41.1 +20°:08'.0 .8 .3
18:59:41.1 +20°:08'.0 3.0 1.8

(12) 18:59:41 +20°:08'.0

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Cygnus K=8

Per. Des	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+20° 3937	18:41:42.7	+20°46'.5	18 41.8 +20.7	8.3	8.74
b	2	+20° 3941	18:42:~~25.7~~	+20°:40'.4	42.3 +20.7	8.5	9.11
c	3	+20° 3940	18:42:20.2	+20°:~~40'.4~~ 43'.6	42.3 +20.7-	8.5	9.24
d	4	+20° 3934	18:41:08.6	+20° 33'.5	41.0 +20.6	9.2	9.62
e	5	+20° 3942	18:~~42~~:22.5	+20°:~~43'.6~~ 46'.1	42.3 +20.7 +	9.5	10.73
f	6		18:40:49	+20°:33'.4			10.79
g	7		18:41:01	+20°:31'.8			11.04
h	8		18:41:11	+20°:35'.5			11.52
k	9		18:40:54	+20°:36'.3			11.76
l	10		18:42:37	+20°:28'.1			12.10
m	11		18:42:36	+20°:29'.9			12.38
n	12		18:42:29	+20°:34'.1			12.59
p	13		18:42:30	+20°:32'.6			12.94
o	14		18:41:37	+20°:44'.9			12.78
g	15		18:41:33.0	+20°:45'.7			12.94

	18:42:30.0	+20°:32'.6	4.1	5.3
	18:42:30.0	+20°:32'.6	3.9	2.8
at 8hr (13)	18:42:30	+20°:32'.6		
	18:42:35.7	+20°:29'.9	4.6	6.3
	18:42:35.8	+20°:29'.9	3.4	1.8
(11)	18:42:36	+20°:29'.9		
	18:42:36.9	+20°:28'.1	4.7	7.0
	18:42.57.0	+20°:28'.1	3.3	1.1
10	18:42:37	+20°:28'.1		

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+20° 3932 18:40:33.4 +20°11'.5
+20° 3947 18:43:15.0 +20°25'.2

+20° 3934 18:41:08.6 +20° 33'.5
+20°3937 18:41:42.7 +20°:46'.5
34".1 13'.0 2.8 4.9
18:41:36.6 +20°:44'.9 2.3 4.3
18:41:36.6 +20°:44'.9 0.5 .6
(14) 18:41:37 +20°.44'.9
18:41:33.0 +20°45'.7 2.0 4.6
18:41:33.0 +20°45'.7 .8 .3
(15) 18:41:33.0 +20°:45'.7
+20° 3932 18:40:33.4 +20°:11'.5
(1) +20°3937 18:41:42.7 +20°:46'.5
69".3 35'.0 5.7 13.1
18.40:49.2 +20°:33'.4 1.3 8.2
18:40,49".2 +20°:33'.4 4.4 4.9
(6) 18:40:49 +20°:33'.4
18:40:54.0 +20°:36'.3 1.7 9.3
18:40:54.1 +20°:36'.3 4.0 3.8
(9) 18°:40':54 +20°:36'.3
18.41:01.4 +20°:31'.8 2.3 7.6
18:41:01'.4 +20°:31'.8 3.4 5.5
(7) 18:41:01 +20°:31'.8
18:41:11.1 +20°:35'.5 3.1 9.0
18:41:11.1 +20°:35'.5 2.6 4.1
(8) 18:41:11 +20°:35.5
(C) +20°3937 18:41:42.7 +20°:46'.5
+20° 3947 18:43:15.0 +20°:25'.2
92.3 21'.3 8.0 8.1
18:42:28.8 +20°:34'.10 4.0 4.7
18:42:28.9 +20°:34'.1 4.6 3.4
(12) 18:42:29 +20°:34'.1

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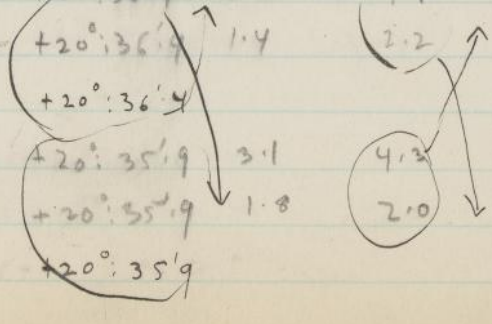
Cygnus λ = 5

Prev. Des	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag.	
a	1	+20°3806	18:22:15.6	+20°:29'.3	18 22.3 +20.4+	9.1	9.42
b	2	+20° 3807	18:22:04.3	+20°:30'.0	22.2 +20.4+	9.0	9.82
c	3	+20°3797	18:21:41.6	+20°:32'.2	21.7 +20.5	9.5	10.19
d	4	+20° 3807	18:22:24.5	+20°:24'.3	22.3 +20.4-	9.4	10.42
e	5	+20° 3803	18:22:05.0	+20°:25'.6	22.2 +20.4-	9.2	10.50
	(6)						
f	7	+20°3808	18:22:42.4	+20°:30'.5	22.5 +20.6	9.5	11.31
g	8		18:22:20	+20°:30'.9			12.27
h	9		18:22:10	+20°:30'.9			12.46
h	10		18:21:38	+20°:36'.8			12.37
l	11		18:21:25	+20°:39'.3			12.77
m	12		18:21:25	+20°:38'.5			12.84
n	13		18:21:40	+20°:37'.4			12.94
o	14		18:20:37	+20°:37'.1			13.04
	15		18:22:21	+20°:36'.4			
	16		18.22.26	+20°:35'.9			

	+20° 3798	18:21:43.8	+20°:47'.4
(7)	+20° 3808	18:22:42.4	+20°:30'.5
		58°.6	16'.9 4.9 6.3

(6)

	18:22:25.6	+20°:36'.4	3.5 4.1
	18:22:25.7	+20°:36'.9	1.4 2.2
(16)	18:22:26	+20°:36'.4	
	18:22:20.8	+20°:35'.9	3.1 4.3
	18:22:20.9	+20°:35'.9	1.8 2.0
(15)	18:22:21	+20°:35'.9	



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	+20°	3798	18:21:43·8	+20°:47′·4		
	+20°	3788	18:20:22·8	+20°:48′·3		
(3)	+20	3797	18:21:41·6	+20°:32′·2		
			78″·8	16′·1	6·7	5·9
			18:20:40·4	+20°:37′·4	1·5	4·0
			18:21:40·5	+20°:37′·4	5·2	1·9
(13)			18:21:40	+20°:37′·4		
			18:20:36·9	+20°:37′·1	1·2	4·1
			18:20:36·9	+20°:37′·1	5·5	1·8
(14)			18:20:37	+20°:37′·1		
			18:21:25·1	+20°:39′·3	5·3	3·3
			18:21:25·1	+20°:39′·3	1·4	2·6
(11)			18:21:25	+20°:39′·3		
			18:21:25·1	+20°:38′·5	5·3	3·6
			18:21:25·1	+20°:38′·5	1·4	2·3
(12)			18:21:25	+20°:38′·5		
			18:21:38·0	+20°:36′·8	6·4	4·2
(10)			18:21:38·1	+20°:36′·8	1·3	1·7
			18:21:38	+20°:36′·8		
(3)	+20°	3797	18:21:41·6	+20°:32′·2		
(4)	+20°	3807	18:22:24·5	+20°:24′·3		
			42″·9	7′·9	3·6	3·0
			18:22:10·2	+20°:30′·9	2·4	·5
			18:22:10·2	+20°:30′·9	1·2	2·5
(9)			18:22:10	+20°:30′·9		
			18:22:19·8	+20°:30′·9	3·2	·5
			18:22:19·7	+20°:30′·9	·4	2·5
(8)			18:22:20	+20°:30′·9		

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Cygnus μ = 2

Des.	Des.	B.D.	R.A.	Dec.	Approx. Pos.	B.D. mag	
a	1	+20°3719	18:10:27.0	+20°33'5	18 10.2 +20.6	8.5	9.42
b	2	+20°3723	18:11:25.0	+20°24'9	11.5 +20.4	8.5	9.68
d	3	+20°3718	18:10:17.3	+20°28'3	10.1 +20.5	9.0	10.38
c	4	+20°3717	18:10:06.0	+20°26'3	10.0 +20.5	8.8	10.34
e	5	+20°3714	18:09:54.6	+20°19'8	9.8 +20.4	9.3	10.58
f	6		18:09:59	+20°19'2			11.10
g	7		18:11:00	+20°40'3			11.47
h	8		18:10:54	+20°31'8			11.70
k	9		18:10:52	+20°34'7			11.96
l	10		18:10:53	+20°30'2			12.50
m	11		18:10:33	+20°31'3			12.58
n	12		18:10:57	+20°45'9			12.64
o	13		18:10:51	+20°43'7			12.82
p	14		18:10:42	+20°35'8			13.22
q	15		18:10:28	+20°37'9			13.22

18:10:53.3	+20°30'2	4.8	11.2	
18:10:53.4	+20°30'2	2.8	2.0	
(10) 18:10:53	+20°30'2			
18:10:33.0	+20°31'3	3.0	10.8	
18:10:33.0	+20°31'3	4.6	2.4	
(11) 18:10:33	+20°31'3			

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	+20° 3712	18:09:14.6	+20°:12'.0		
	+20° 3715	18:09:59.1	+20°:59'.9		
	+20°3712	18:09:14.6	+20°:12'.0		
(4)	+20° 3717	18:10:06.0	+20°:26'.3		
		51".4	14'.3	4.4	4.6
		18:09:59.0	+20°:19'.2	3.8	2.3
		18:09:59.9	+20°:19'.1	0.6	2.3
(6)		18:09:59	+20°:19'.2		
	+20° 3715	18:09:59.1	+20°:59'.9		
(2)	+20° 3722	18:11:25.0	+20°:24'.9		
		85".9	35'.0	7.6	13.2
		18:10:28.5	+20°:37'.9	2.6	8.3
		18:10:28.4	+20°:37'.9	5.0	4.9
(15)		18:10:28	+20°:37'.9		
		18:11:00.1	+20°:40'.3	5.4	7.4
		18:11:00.2	+20°:40'.3	2.2	5.8
(7)		18:11:00	+20°:40'.3		
		18:10:51.1	+20°:43'.7	4.6	6.1
		18:10:51.1	+20°:43'.7	3.0	7.1
(13)		18:10:51	+20°:43'.7		
		18:10:56.7	+20°:45'.9	5.1	5.3
		18:10:56.7	+20°:45'.9	2.5	7.9
(12)		18:10:57	+20°:45'.9		
		18:10:42.0	+20°:35'.8	3.8	9.1
		18:10:42.1	+20°:35'.8	3.8	4.1
(14)		18:10:42	+20°:35'.8		
		18:10:52.2	+20°:34'.7	4.7	9.5
		18:11:52.2	+20°:34'.7	2.9	3.7
(9)		18:10:52	+20°:34'.7		
		18:10:54.5	+20°:31'.8	4.9	10.6
		18:11:54.4	+20°:31'.8	2.7	2.6
(8)		18:10:54	+20°:31'.8		

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Reductions of Yellow Southern
Standard Regions

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Series	Plate	Region	H.A.	Corr.		Q	Zero
95	2948	C12	0 22	04			C12(5) C1(2)
	2949	VScl		+02			E1(1)
	2954	C1		+04			
	2957	D1		00			(+04)
	2958	E1		+03			
	2959	C1		+04			
99	2990	C12		04			C12(4) C1(2) D1(1)
	2991	D12		00			
	2992	VScl		02			
	2996	C1		04			(+03)
	3000	D1		00			
	3001	C1		04			
329	5093	C12		04		A-	C12(1) E1(2)
	5094	VScl		02		A-	C1(1)
	5098	E1		03		A	(+04)
	5103	P		x		A-	
	5104	C1		04		A	
98	2978	C12		+02		B	C12(8) D1(1)
	2979	D12		0		B	
	2980	VScl		02		E-	(+02)
	2983	C12		03		B	
	2988	D1		0		B	
62	2555	C1	0 39	+04		B+	C1(2) E1(2)
	2556	VScl	0 30			B	C2(2)
	2561	C1	0 33	+04		B+	(+04)
	2562	E1	0 26	+03		B+	
	2563	P	0 06	x	own	B	own
	2566	C2	0 28	+04		B+	
63	2567	C2	0 17	+04		B	C2(1) D2(1) C2(2) C3(1)
	2568	D2	0 06	+00		B	

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Series	Plate	Reg.	H.A.	Corr.	Q.	Zero	Mean Corr	
63	2570	P	0 18	(+50)	B	own	own	
	2573	C2	0 52	+04	B−		(+04)	
	2578	C3	0 11	+04	B			
94	2936	C 11	0 03	+04	A−	C11(4) C12(8)		
	2941	C 12	0 59	+04	B		(+04)	
	2942	D 12	0 48	+00	B			
	2946	D 12	0 02	00	A−			
	2947	C 12	0 10	+04	A−			
97	2971	C 11	0 34	+04	B+	C11(7) C12(4)		
	2966	C 11	0 32	+04	B		(+04)	
	2975	P	0 22	(+50)	B	own	own	
	2976	D 12	0 27	00	B			
	2977	C 12	0 15	+04	B			
105	3056	C 1	0 49	+04	A−	a	+04	a to C1(1), D2(1), C2(2), C3(4)
	3057	D 1	1 02	+01	B+	a	+04	b to E1(2), E2(2)
	3058	E 1	0 55	+03	E−	b	+03	c to F1(5)
	3061	D 2	0 11	00	B+	a	+04	
	3062	C 2	0 01	+04	B+	a	+04	
	3065	F 1	0 23	+20	B	c	+20	
	3066	E 2	0 12	+03	B	b	+03	
	3067	C 3	1 00	+04	B	a	+04	
106	3068	C 3	0 49	+04	A−	C3(14) D3(3) C4(3)		
	3071	D 3	0 14	00	E−		(+04)	
	3072	C 3	0 03	+04	B+			
	3079	C 4	0 38	+04	B+			
107	3080	C 2	0 36	+04	B		+04	
	3081	D 2	0 25	00	B		+04	
	3085	E 2	0 22	+04	B		+04	
	3086	D 2	0 33	00	B		+04	
	3088	F 1	0 03	+20	B	own	(+20)	

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Series	Plate	Reg.	H.A.	Cor.	Q	Zero	Mean Cor.
	3089	E2	0 08	+03	Bi	own	(+03)
	3091	C3	0 28	+04	B		+04
110	3132	C4	1 11	+05	B-		+04
	3137	E4	0 01	+03	A-	own	
	3143	C6	0 23	+04	B+		+04
	3138	P	0 16	(+50)	A-	own	
111	3144	C5	0 38	+04	B+		+04
	3149	C6	0 18	+04	B+		+04
112	3150	C4	0 05	+04	A-	C4(1)	
	3151	D4:	0 17	00	B+	D5(1) E4(4)	(+04)
	3155	E4	1 14	+04	B+		
	3159	D5	0 09	00	B+		
	3160	P	0 03	(+50)	B+	own	
	3161	C5	0 15	+04	B+		
113	3162	C5	0 26	+04	B+		
	3167	E5	1 33	+04	B+		(+04)
	3168	C6	0 19	+04	A-		
	3173	C6	0 41	+04	B		
141	3525	C5	1 20	+05	B+		
	3530	C6	0 34	+04	B-		(+04)
142	3531	C5	1 34	+05	B+		
	3536	C6	0 41	+04	B+		(+04)
143	3537	C6	0 23	+04	B-	E5	
1	3542	E5	0 26	+03	B-	E5	
	3545	F2	1 01	+20	B-	own	
	3546	D7	0 14	00	B-	E5	
144	3549	C6	0 40	+04	B	C6(1)	
	3557	E5	0 08	+03	B+	E5(3)	(+03)
145	3561	C7	0 21	+04	B+	to pole	
	3562	D7	0 09	00	B+	to pole	

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Series	Plate	Reg.	H.A.	Corr.	Q	Zero	Mean Corr.
	3564	D 7	0 13	00	B+	to pole	
	3565	P	0 25	(+50)	B+	own	
	3566	C 7	0 37	+04	B+	to pole	
146	3567	C 5	1 35	+06	B+		
	3572	D 6	0 43	00	B+	Series	
	3578	C 7	0 07	+04	B+	147	
147	3579	C 7	0 35	+04	B-	to D 8	
	3582	D 7	1 15	+01	B+	to D 8	
	3583	D 8	0 32	00	B	to D 8	
	3584	C 8	0 21	+04	B+	to D 8	
149	3597	C 7	0 16	+04	B-	to	
	3602	C 7	1 15	+05	B-	MF 3579	
168	3797	C 6	0 35	+04	B+	to C 6	
	3799	? F 2	0 46	+20	B+	own	
	3802	E 5	0 39	+03	B+	own	
	3808	C 7	0 54	+04	B+	to C 6	
169	3809	C 8	0 48	+04	B+	To MF 3584	
	3814	C 8	0 21	+04	B+		
170	3815	C 7	1 31	+06	B-	to MF 3579	
	3820	E 5	0 37	+03	B	own	
	3825	? F 2	1 08	+20	B	own	
	3826	C 7	1 06	+05	B	to MF 3579	
171	3827	C 8	0 40	+04	B	C 9	
	3832	E 6	0 43	+04	B	own	
	3838	C 9	0 22	+04	B	C 9	
172	3839	C 10	0 57	+04	B		
	3842	E 8	0 34	+03	B		(+04)
	3844	C 11	0 01	+04	B		
192	4086	C 8	0 12	+04	B		
	4087	D 8	0 24	00	B-		(+01)

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Series	Plate	Reg.	H.A.	Corr.	Q	Zero	Mean Corr
	4097	Cq	0 22	+04	B-		
193	4100	C8	0 10	+04	B-	MF3584	
	4103	E6	0 49	+04	B+	own	
	4105	C8	0 54	+04	B+	MF3584	
196	4130	C8	0 16	+04	B+	D8(3) Cq(1)	(+01)
	4135	D8	0 48	00	B+		
	4141	Cq	0 06	+04	B+		
197	4142	Cq	0 18	+04	B+		(+04)
	4147	E7	0 58	+04	B+	own	
	4153	C10	0 31	+04	B+		(+04)
198	4154	C8	0 30	+04	Bi		(+04)
	4159	E6	0 52	+04	E-	own	
	4165	Cq	0 13	+04	B		(+04)
199	4166	Cq	0 00	+04	A-		(+04)
	4171	E7	0 42	+04	A-	own	
	4177	C10	0 18	+04	A-		(+04)
200	4178	C8	0 39	+04	A-	omitted	
	4183	E6	0 40	+04	A-	own	
204	4231	Cq	0 19	+04	B+		
	4242	Dq	0 32	00	B+		
	4236	C10	0 27	+04	B		
205	4242	D8	0 55	00	B+		
	4248	Cq	0 13	+04	A-		
210	4292	Cq	1 25	+06	A-		
	4303	C10	1 00	+05	Bi		
	4297	E7	0 39	+04	B+		
212	4310	Cq	1 14	+05	Bi		
	4321	C10	0 52	+04	B+		
	4315	E7	0 30	+04	B+		
	4320	E7	0 35	+04	B+		

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Series	Plate	Reg.	H.A.	Corr	Q	Zero	Mean Corr
214	4334	C9	1 05	+05	B		
	4345	C10	0 41	+04	A-		
	4339	E7	0 20	+03	B+		
	4344	D10	0 54	00	B+		
254	4718	C9	0 22	+04	A-		
	4729	C10	0 37	+04	A-		
	4723	D10	0 35	00	A-		
255	4730	C10	0 48	+04	B+		
	4733	E8	0 23	+03	A-		
	4734	E8	0 34	+03	B+		
	4735	C11	0 14	+04	B+		
256	4736	C9	0 28	+04	A-		
	4747	C10	0 37	+04	A-		
	4741	E7	1 06	+03	A-		
	4746	D10	0 24	00	A-		
301	4781	C10	0 13	+04	B+		
	4792	C11	0 11	+04	B		
	4787	E8	0 05	+03	B		
	4789	F3	0 17	+20	E		
303	4805	C11	0 12	+04	A-		
	4810	C11	0 43	+04	B+		
	4806	D11	0 01	00	A-		
	4809	D11	0 32	00	A-		
305	4824	C11	0 09	+04	A-		
	4829	C11	0 47	+04	A-		
	4827	D11	0 25	00	A-		
308	4859	C11	0 51	+04	B+		
	4864	C12	0 00	+04	A-		
	4862	E9	0 10	+03	A-		
314	4931	C11	0 33	+04	A-		

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Series	Plate	Reg.	H.A.	Corr	Q	Zero	Mean corr.
	4936	C12	0 29	+04	B		
	4934	E9	0 32	+03	B+		
	4935	E9	0 21	+03	B+		

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Series Plate Reg.

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Cepheid Data

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Identification of Stars in Sequences for International Cepheids

Reductions in Books 5 and 44

Adopted sequence stars (mag. and des.)
written in red ink

For probable error of field 6, see Bk 44 p 67 and preceding

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UU Cas (9.3-10.2) $4^d.31$ (Cepheid)

	Des.	Mag.	R.D.	R.A.	Dec.	
	1	7.68				
	2	8.08				
	3	8.29				
a =	4	8.81				
b	5	9.24				
c	6	9.62				
	7	..				
e	8	10.18				omit ✓ also from remeas,
d	9	10.12				
f	10	10.29				
g	11	10.79				
h	12	10.86				omit ✓ also from remeas,
k	13	10.87				
	14	~~R Cas~~				
l	15	11.34				
m	16	11.71				
n	17	12.18				
	18	12.28				
	19	13.06				

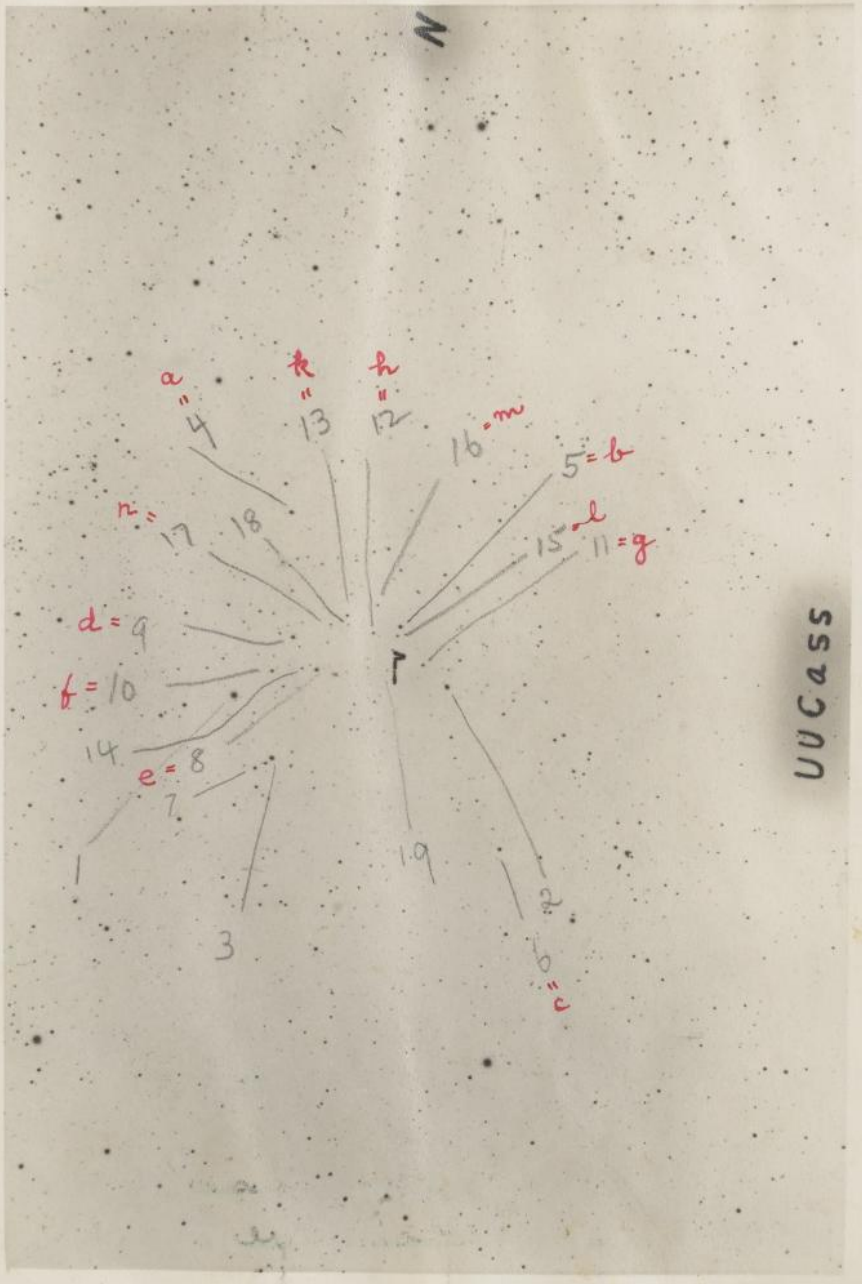
av dev 0.09

Evidence: 2 polar comparisons (accordant)
1 accordant check plate

Proof + chart checked with book

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1

RY Cas (9.3-9.5) G5 12d.14 Cepheid

Des.		Mag.	B.D.	R.A.	Dec.	
a	1	8.94				
c	2	10.22				
d	3	10.32				omit
	4	..				
e ~~g~~	5	11.53				
f	6	11.48				omit
	7	12.24				
	8	12.50				
	9	12.68				
	10	..				
	11	13.22				
	12	13.59				
	13	13.85:				
	14	13.60:				
~~b~~	a*	9.46				
~~a~~ d	b*	10.62				

2 polar comps.
1 subsidiary comp.
Consist with III

*Mr. Robinsons designation

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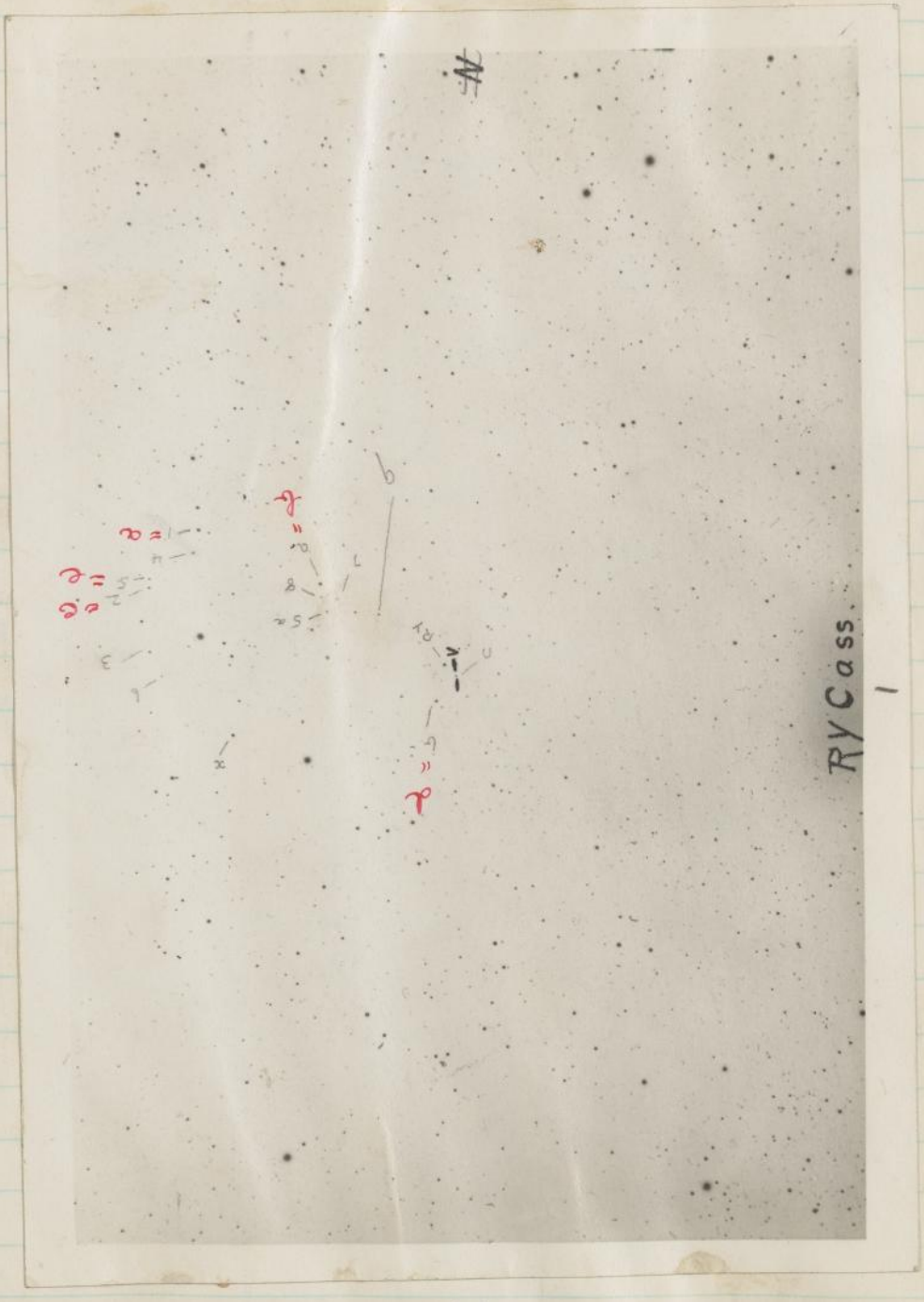


Chart checked

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1

SY Cas (9.3 - 10.2) G5 Cephid

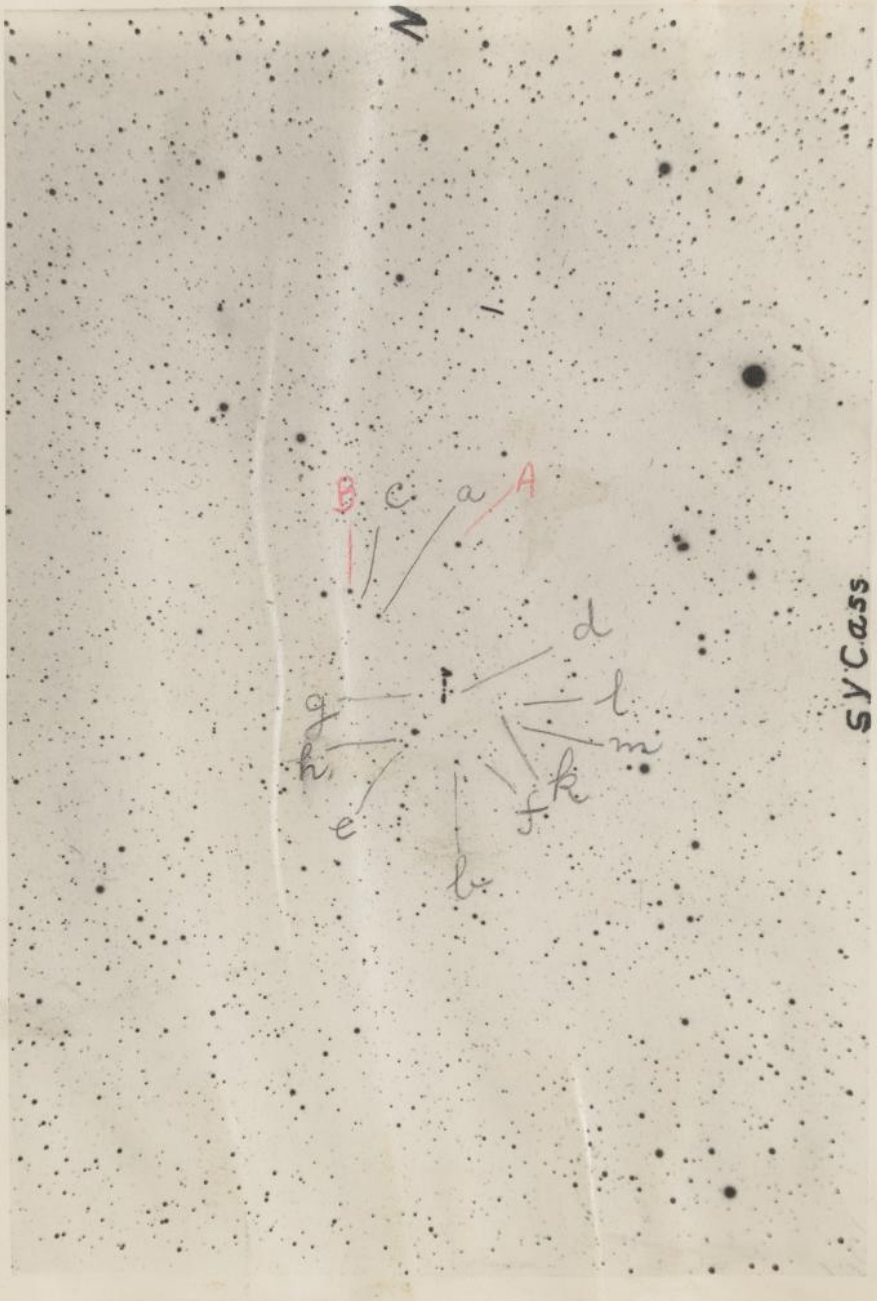
Des	Des.	Mag.	B.D.	R.A.	Dec.
b	a	1055			
c	b	1072			
d	c	1082			
e	d	1095			
f	e	1118			
g	f	1148			
h	g	1148			



Derived from accordant Rh plates based on U U Cas & RY Cas

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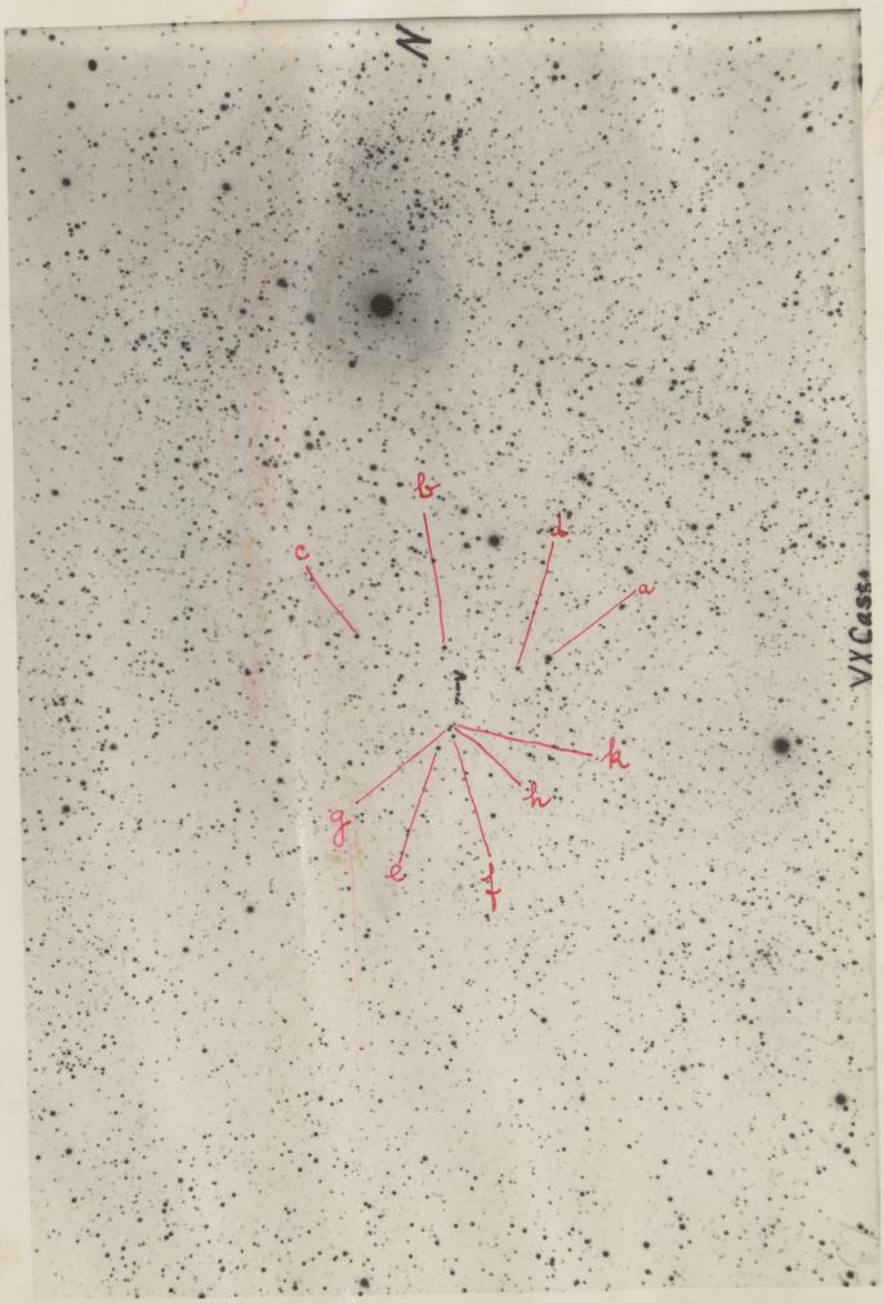
VX Cas 10.2 - [12, Cepheid

	Des.	Mag.	B. D.	R. A.	Dec.
	1	8.13			
a	2	10.20			
c	3	10.61			
b	4	10.46			
d	5	10.75			
e	6	10.85			
f	7	10.89			
g	8	11.79			
h	9	12.14			
k	10	12.82			
	11	..			

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Cas. XV



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1

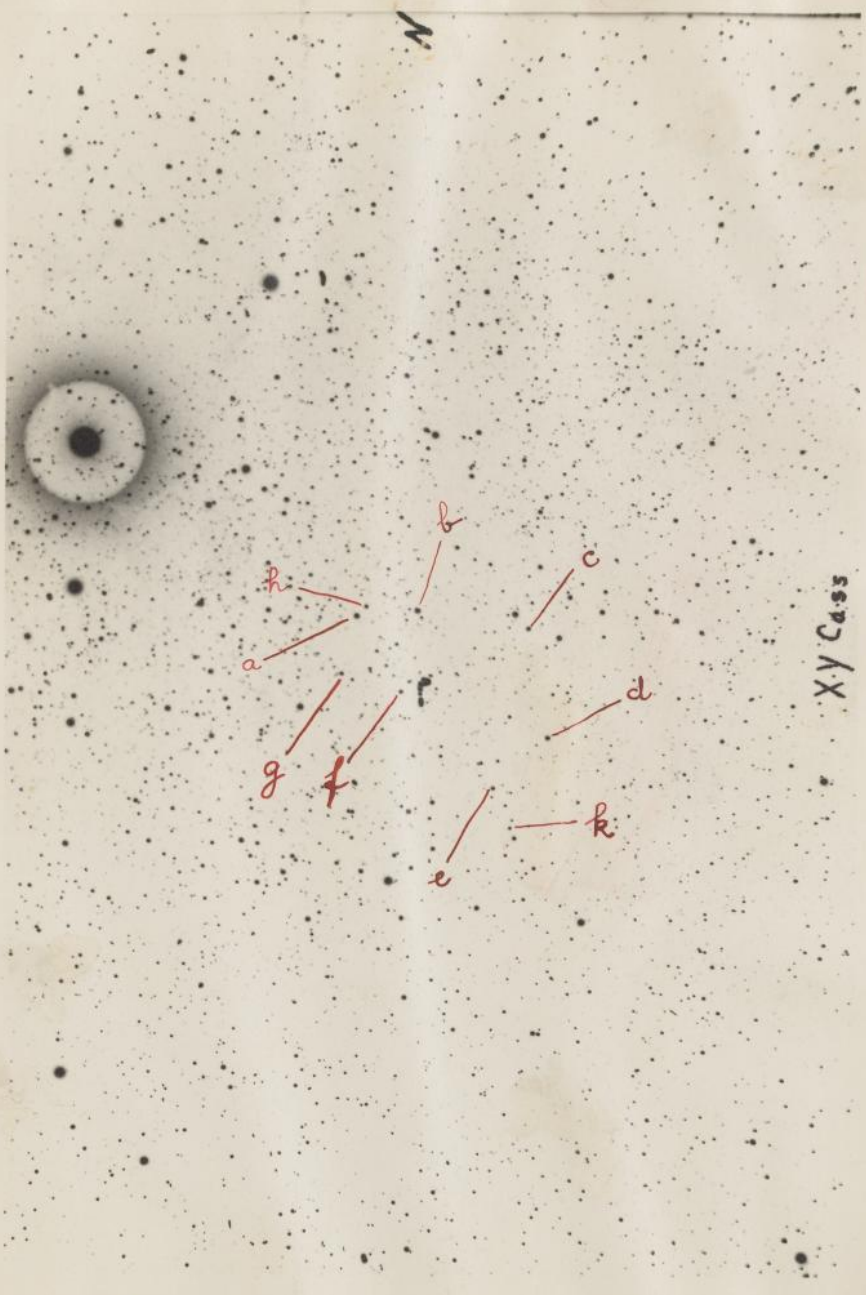
XY Cas 10.2 - 11.0 Cepheid

	Des.	Mag.	B.D.	R.A.	Dec.
b	a	9.~~38~~44			
f	b	10.~~34~~42			
	c	..			
a	1	9.~~37~~24 9.66			
c	2	~~10.0~~			
d	3	9.75			
e	4	10.35			
g	5	10.49			
h	6	10.95			
k	7	11.16			
l	8 ¢	11.62			
m	9	12.10			

See Cyc 44

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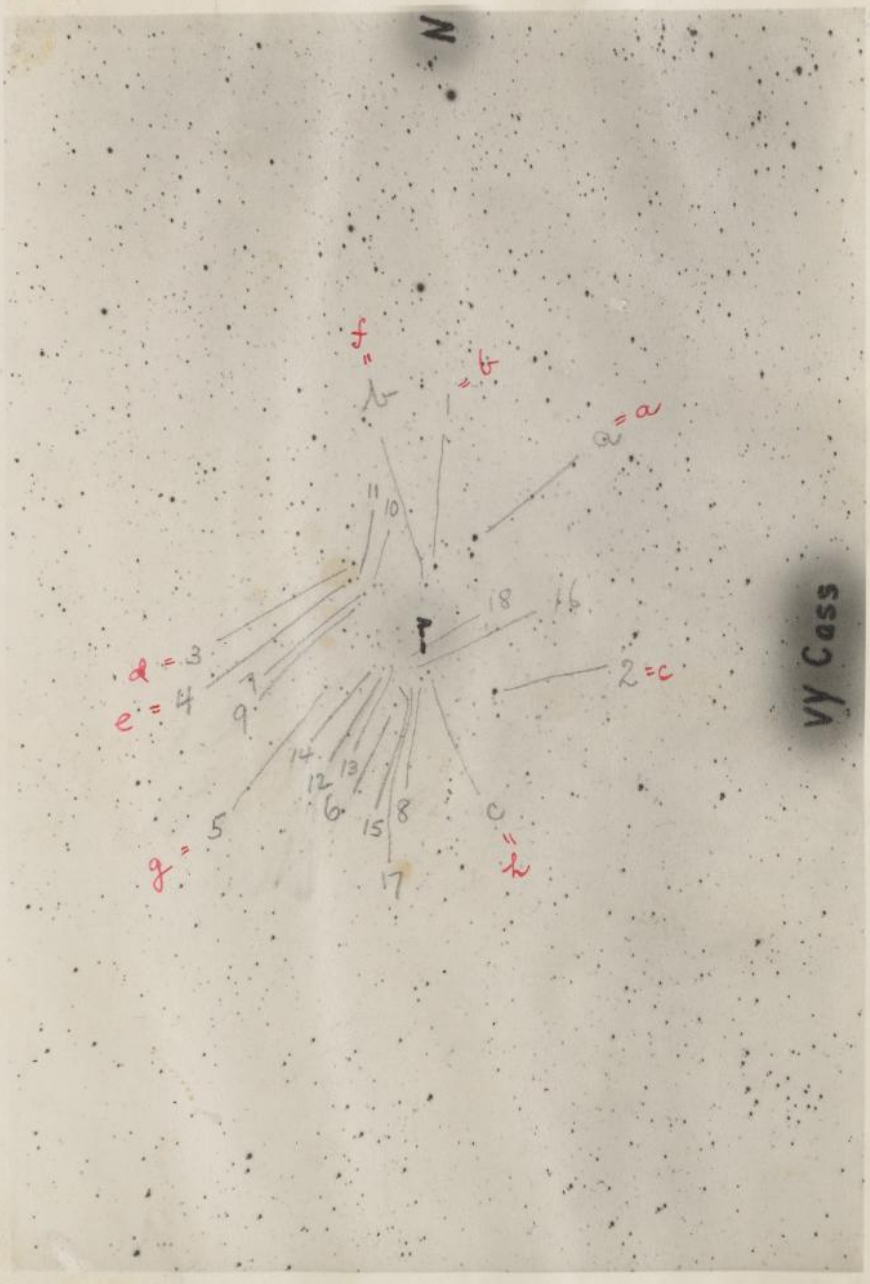
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VY Cas (9.0-9.8) MG

	Des.	Mag.	B.D.	R.A.	Dec.
	a	8.66			
d	b ✓	11.00 ✓			
f	c ✓	11.70 ✓			
a ✓	1 ✓	8.70			
	2	8.70			
b	3 ✓	10.39 ✓			
c	4 ✓	10.84 ✓			
e	5 ✓	11.52 ✓			
	6	11.91			
	7	12.42			
	8	12.56			
	9	13.29			
	10	13.01			
	11	12.88			

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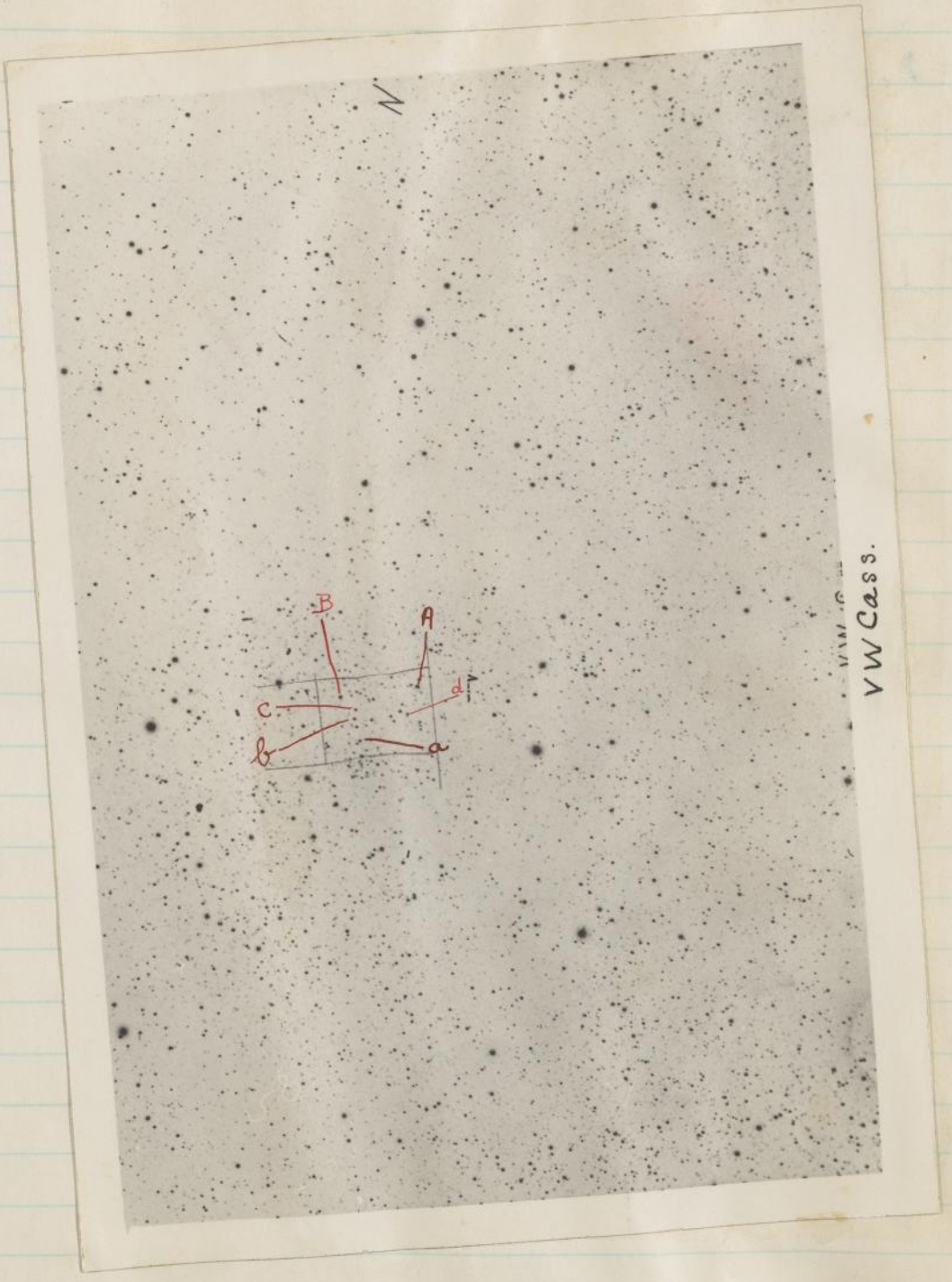
1

VW Cas (10.6 – 11.9)

	Des.	Mag.	B.D.	R.A ~~Dec~~.	Dec.
a ✓	a	8.93 ✓			
b ✓	b	10.22 ✓			
c ✓	c	11.23 ✓			
d ✓	d	11.79 ✓			
e ✓	e	11.98 ✓			
f ✓	f ✓	12.52 ✓			
	g	..			

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1

UZ Cas (11.5 – 12.0)

Des.		Mag.	B.D.	R.A.	Dec.
a		..			
b		..			
a ✓	c ✓	9.99 ✓			
b ✓	d ✓	10.88 ✓			
c ✓	e ✓	11.24 ✓			
d ✓	f ✓	11.88 ✓			
e ✓		12.5: ✓			

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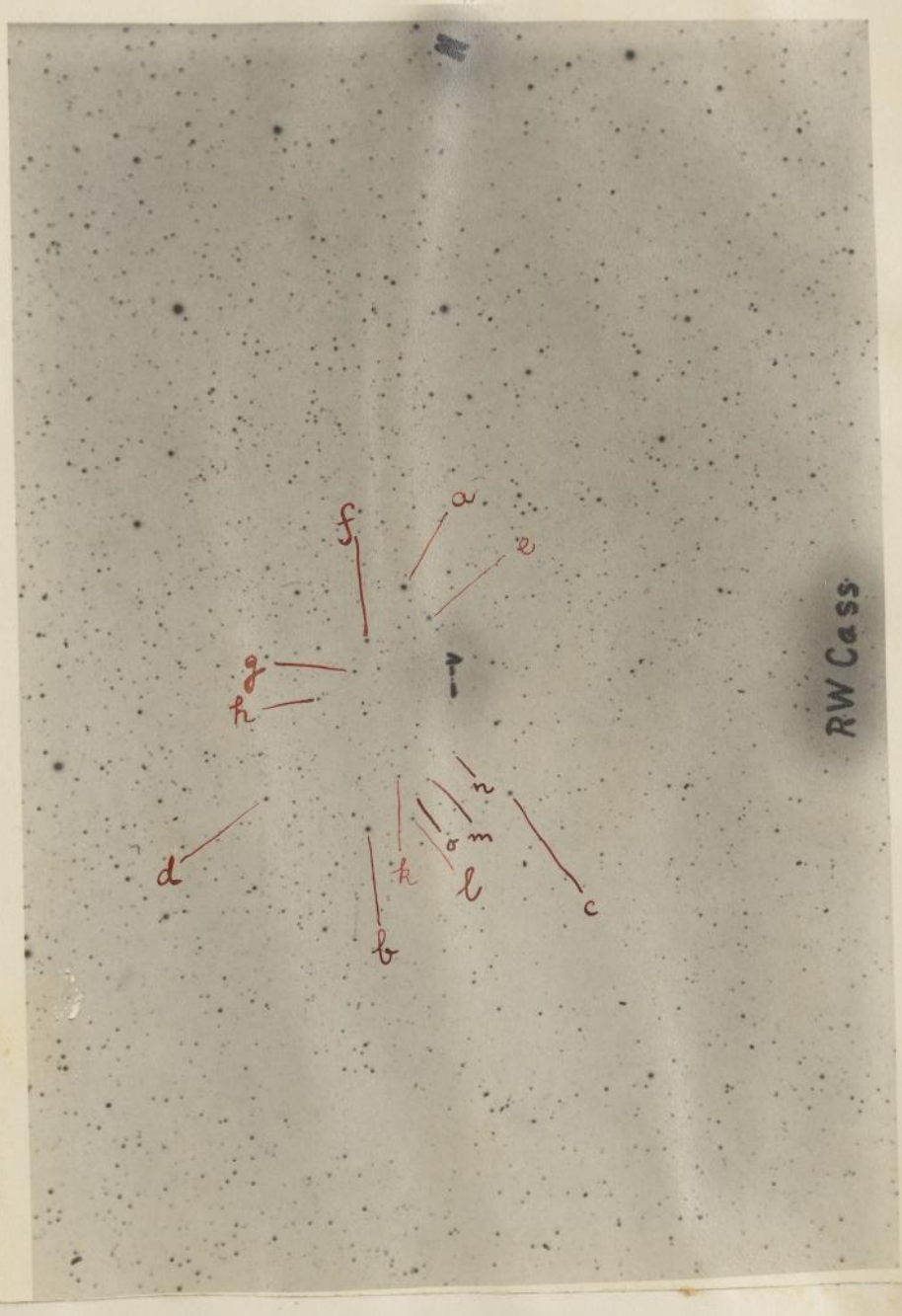
V

RW Cas

Des.	Mag.	B.D.	R.A.	Dec.
a	7.50			
b	8.32			
c	9.21			
d	9.32			
e	9.15			
f	10.35			
g	10.52			
h	11.37			
k	11.55			
l	11.63			
m	12.91			
o	13.11			

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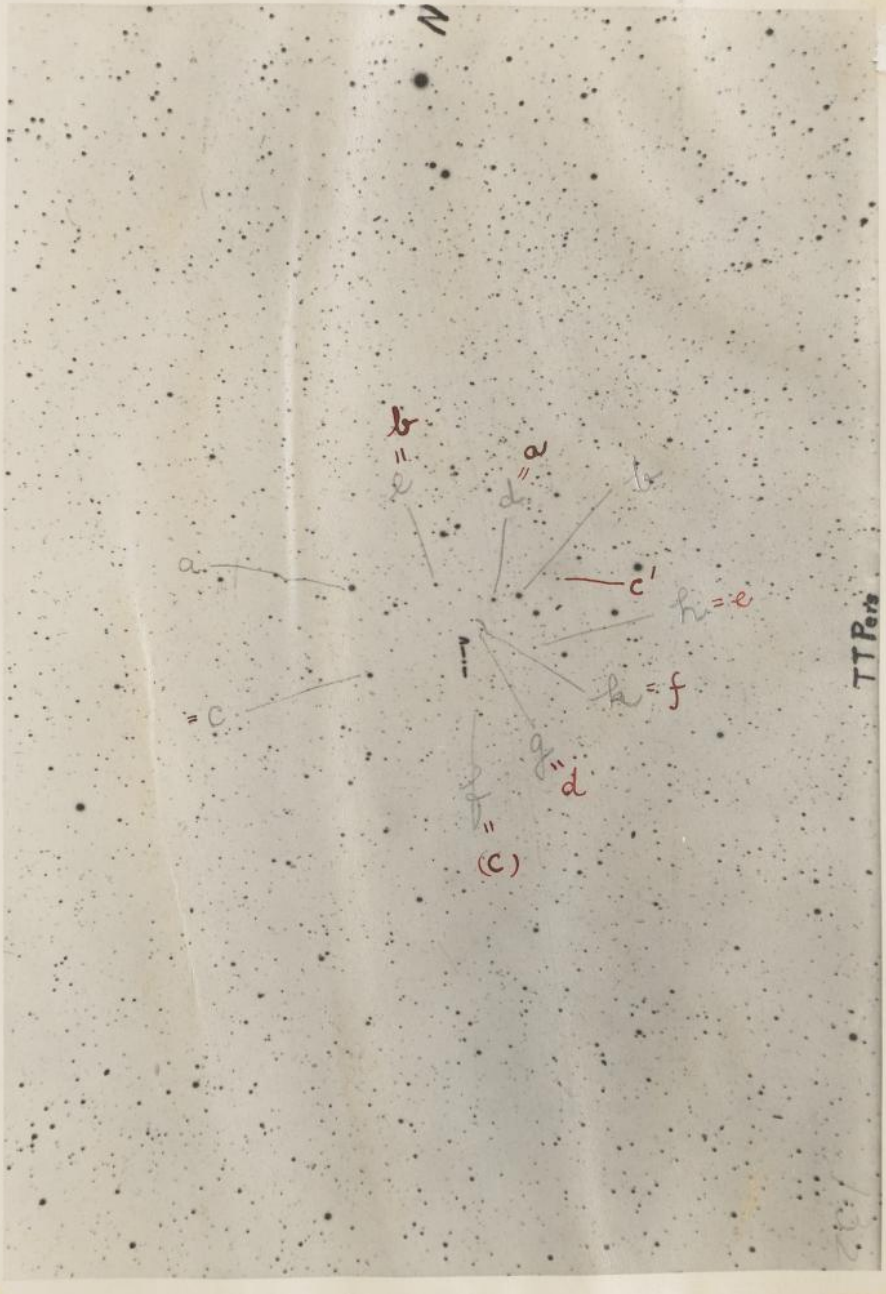
2

TT Per 8.9 - 10.5 Mb

Des.	Mag.	B.D.	R.A.	Dec.
a	9.93			
b	10.28			
c'	10.80			
~~e~~	~~10.58~~			
d	11.43			
e	12.12			
f	13.30			
a	6.54			
b	6.64			
c	7.52			

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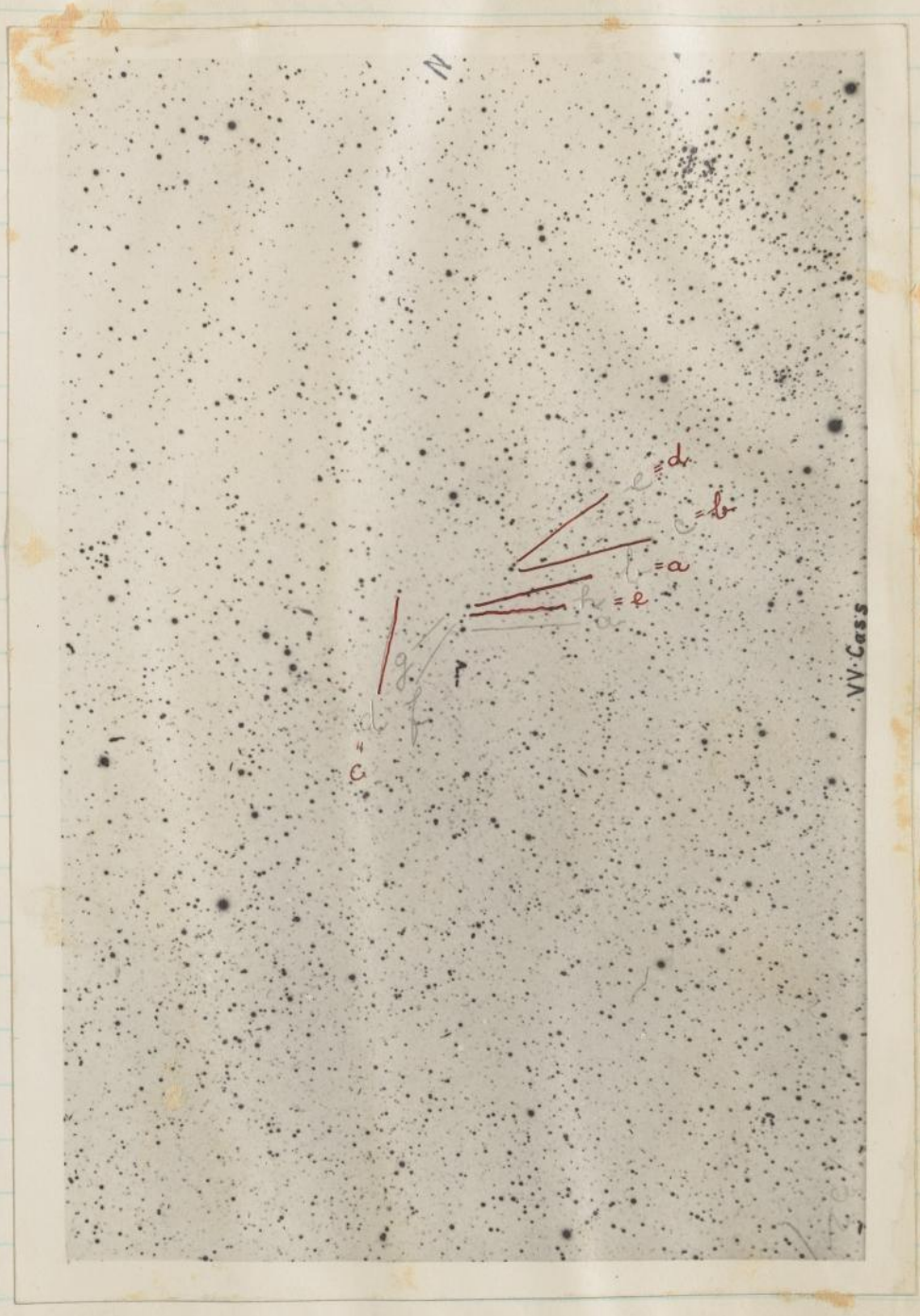
2

VV Cas 10.2 - 11.2 Magnitudes dubious

Des.	Mag.	B.D.	R.A.	Dec.
a	10.87			
b	11.01			
c	12.06			
d	13.00			
e	13.30			

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2

UX Per 9.9 - 11.2

Des.	Mag.	B.D.	R.A.	Dec.
a	10.14			
b	10.27			
c	10.58			
d	10.95			
e	11.04			
f	11.86			

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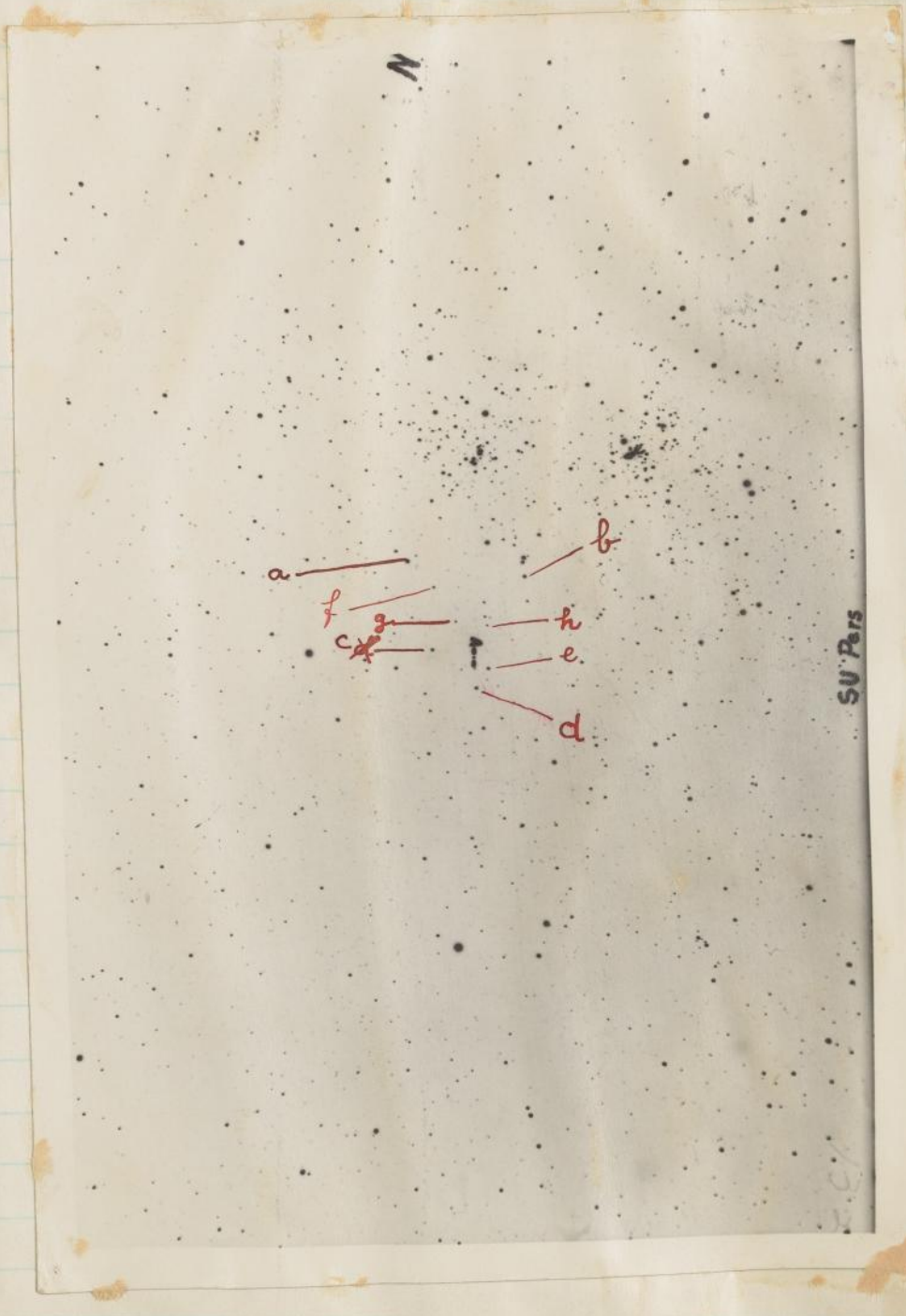
2

SU Per 7.4-8.4 Ma

Des.	Mag.	B.D.	R.A.	Dec.
a	8.15			
b	8.93			
c	8.98			
d	9.02			
e	9.44			
f	10.03			
g	10.34			
h	10.66			

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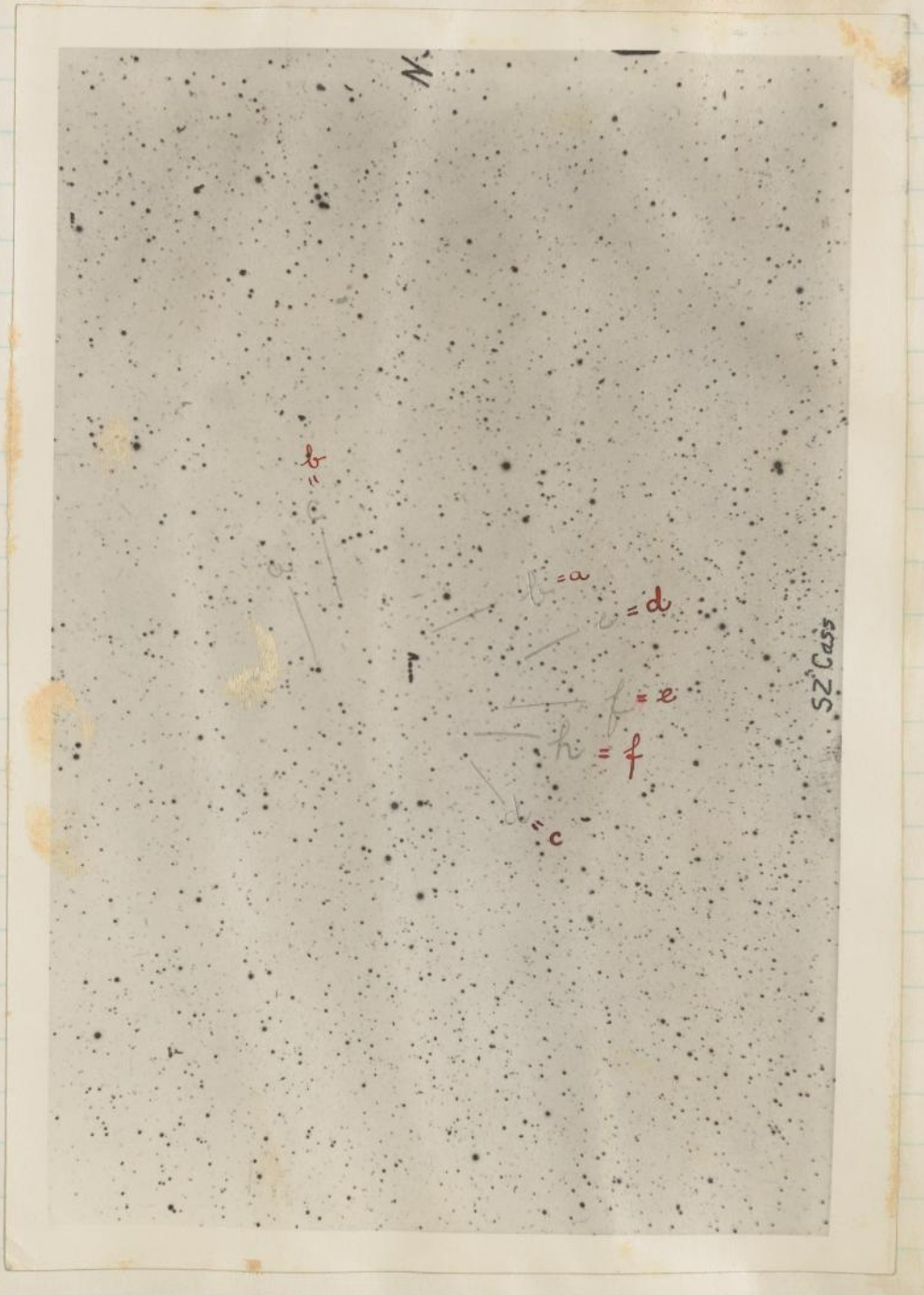
1924phae.proj.1129P

SZ Cas 9.6 – 10.0 ($13^{d}\frac{1}{2}$) sp. g

Des.		Mag.	B.D.	R.A.	Dec.
b	a	9.92			
c	b	10.12			
d	c	10.34			
e	d	11.03			
f	e	11.52			
h	f	11.79			
a		8.51			
k		12.40			

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2

VY Per 10.7 - 11.6 5d.53

	Des.	Mag.	B.D.	R.A.	Dec.
b	a	10.76			
b'	b	11.10			
c	c	12.01			
d	d	12.31			
e	e	13.18			
a		9.51:			

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✓

UY Per

	Des.	mag.	B.D.	R.A.	Dec.
a	a	10.09			
b	b	10.74			
e	c	11.10			
d	d	11.33			
f	~~f~~ e	11.52			
g	~~g~~ f	12.12			

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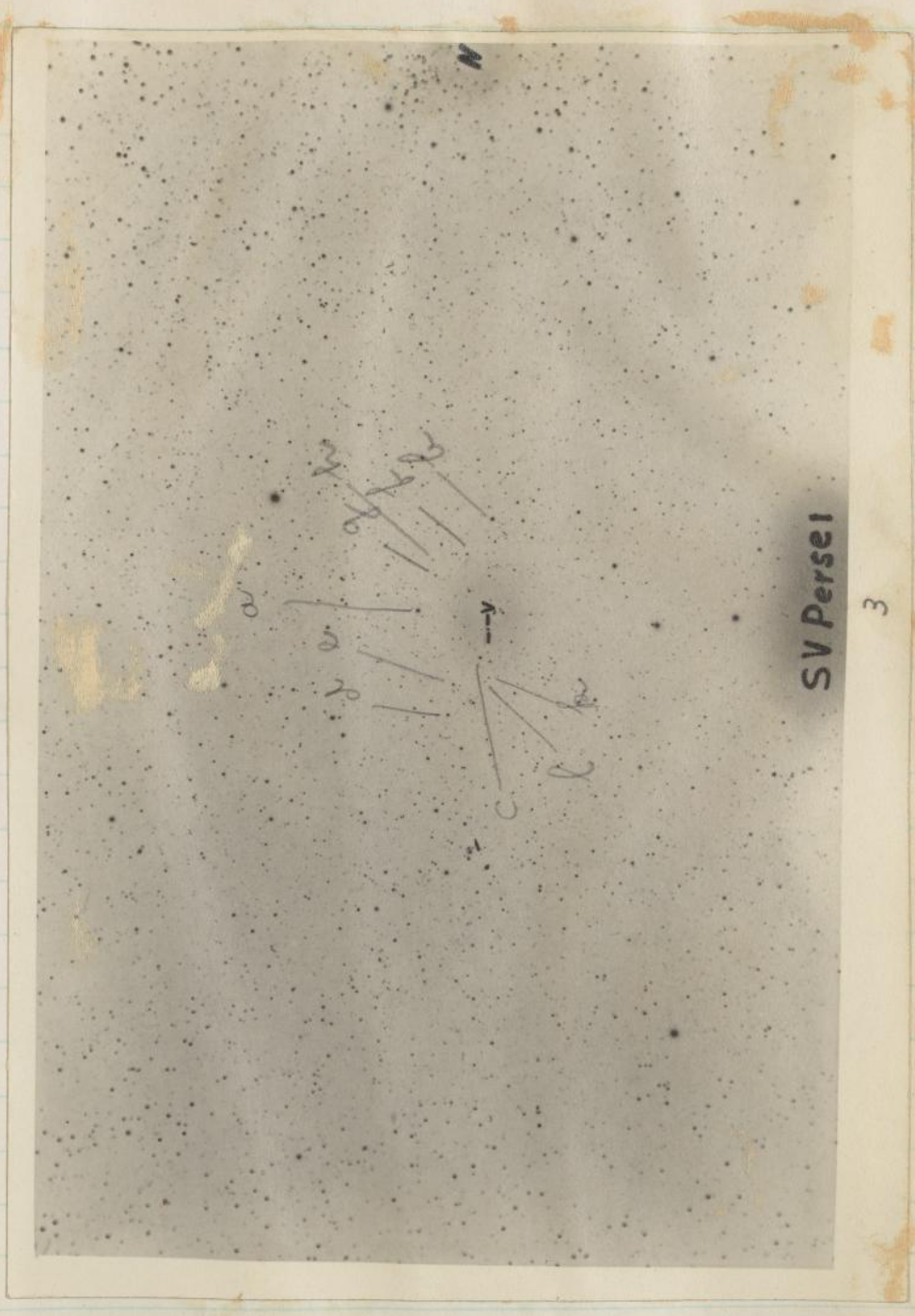
3

SV Per

Obs.	Mag.	B.D.	R.A	Dec.

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3

RX Aur (7.4 - 8.0) G 2.5v

	Des	Mag.	B.D.	R.A.	Dec.
a	a	7.22			
b	b	7.37			
c	c	7.87			
d	d	8.09			
e	e	8.22			
f	f	8.74			
g	g	9.13			
h	h	9.52			
k	k	9.68			
l	l	10.24			
	m	10.67			
	n	11.10			
	o	11.35			
	p	11.75			
	q	12.06			
	r	12.33			
	s	12.60			
	t	12.89			
	u	13.30			

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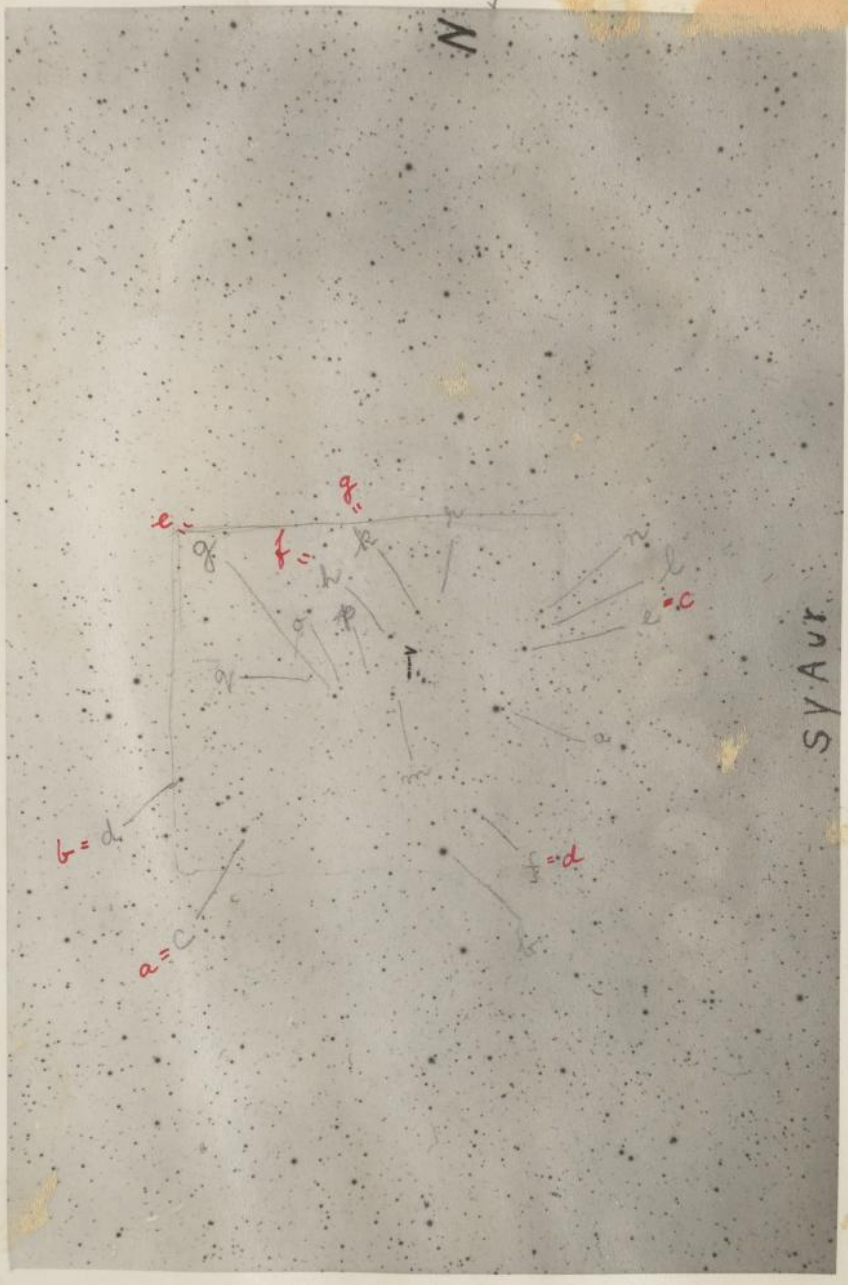
1924phae.proj.1129P

3

SY Aur (8.5 - 9.5) Go

Des	mag.	B.D.	R.A.	Dec.	
a	7.08				
b	7.28				
a c	7.91				
b d	8.52				
c e	9.00				
d f	10.09				
e g	10.28				
f h	10.61				
~~g~~ k	10.88				
~~k~~ l	11.31				10.91
m	11.48				11.08
n	11.57				11.17
o	12.33				12.03
p	12.59				12.29
q	13.18				
r	13.33				

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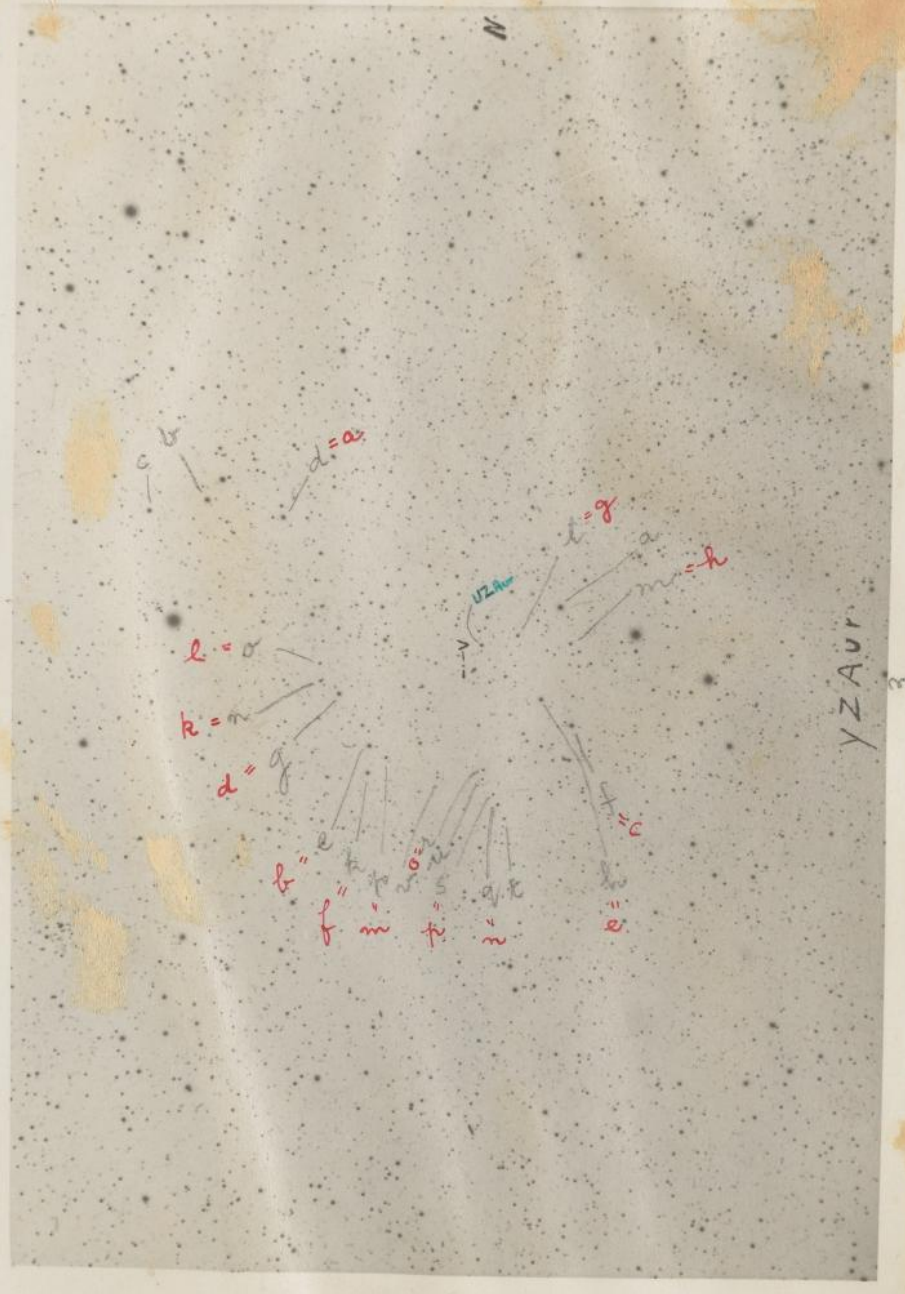
3

YZ Aur (9.9-10.7) 18d also UZ Aur (7.7-9.3) Ma

UZ	YZ	Des.	Mag.	B.D.	R.A.	Dec.
A		a	8.18			
B		b	8.89			
C		c	9.30			
	a	d	9.77			
	b	e	9.86			
	c	f	9.94			
	d	g	10.06			
	e	h	10.32			
	f	k	10.79			
	g	l	11.14			
	h	m	11.30			
	k	n	11.44			
	l	o	11.63			
	n	p	11.78			
	m	q	11.72			
		r	12.04			
		s	12.14			
		t	12.32			
		u	13.02			
		v	13.40			

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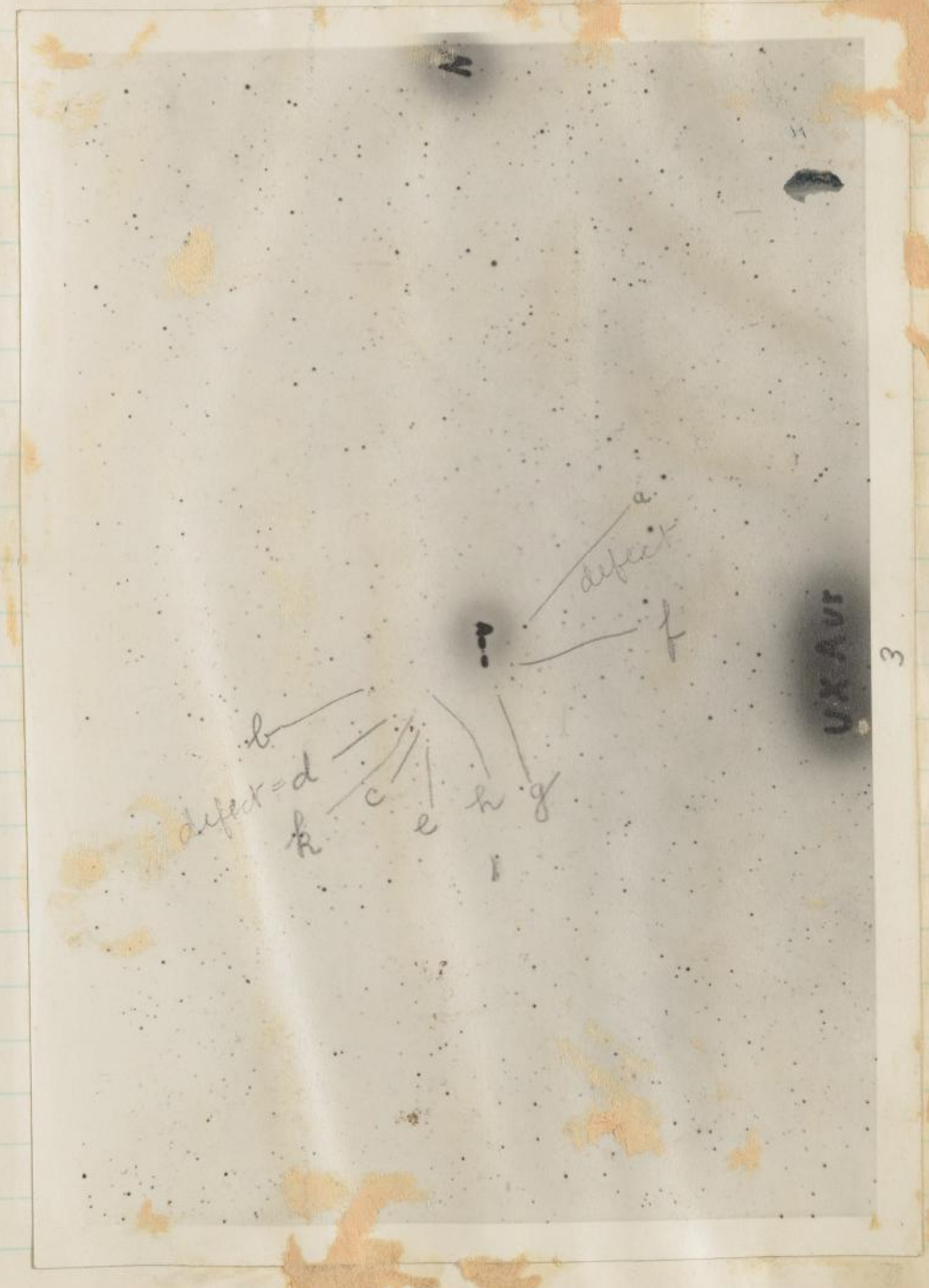
3

UX Aur

Des.	mag.	B.D.	R.A.	Dec.

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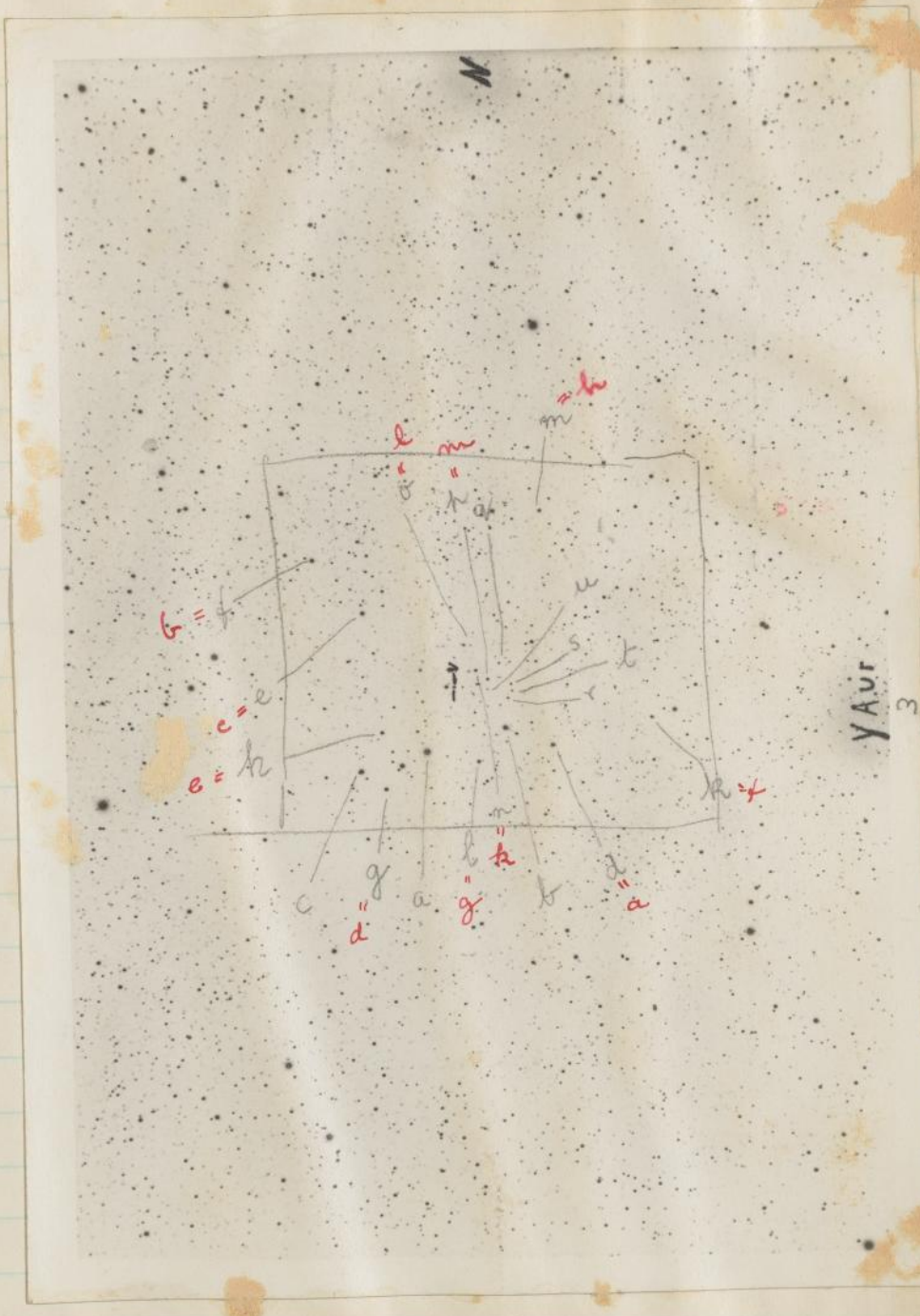
3

Y Aur (9.8 -11.4) Gov

	Des.	Mag.	B.D.	R.A.	Dec.
	a	7.31			
	b	8.77			
	c	..			
a	d	9.53			
b	e	9.79			
c	f	9.73			
d	g	9.94			
e	h	10.16			
f	k	10.49			
g	l	10.58			
h	m	11.04			
k	n	11.32			
l	o	11.75			
m	p	12.11			
	q	13.00:			
	r	12.99			
	s	13.23			
	t	13.52			
	u	13.90			

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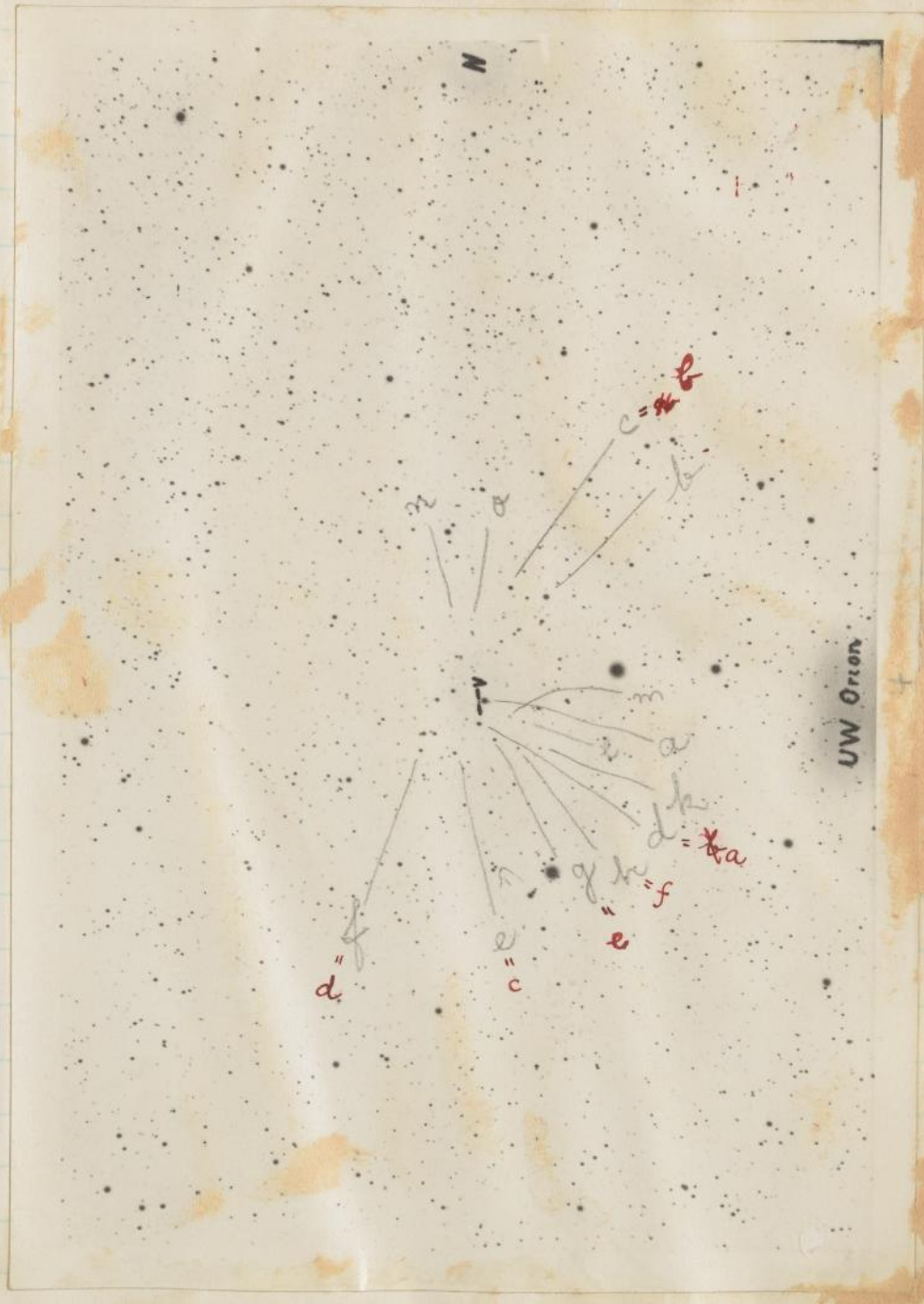
UW Ori 10.3 - 10.9

Bk 36 p112ff

Des	Mag.	B.D.	R.A.	Dec.	Revised	
b ~~a~~	9.49				952	a
a ~~b~~	9.22				omit	
c	10.19				1013	c
d	10.28				1006	b
e	10.49				1046	d
~~b~~	8.53					
f h	12.52				1120	e
k	12.66					
l	12.81					
m	13.22					
n	13.50					

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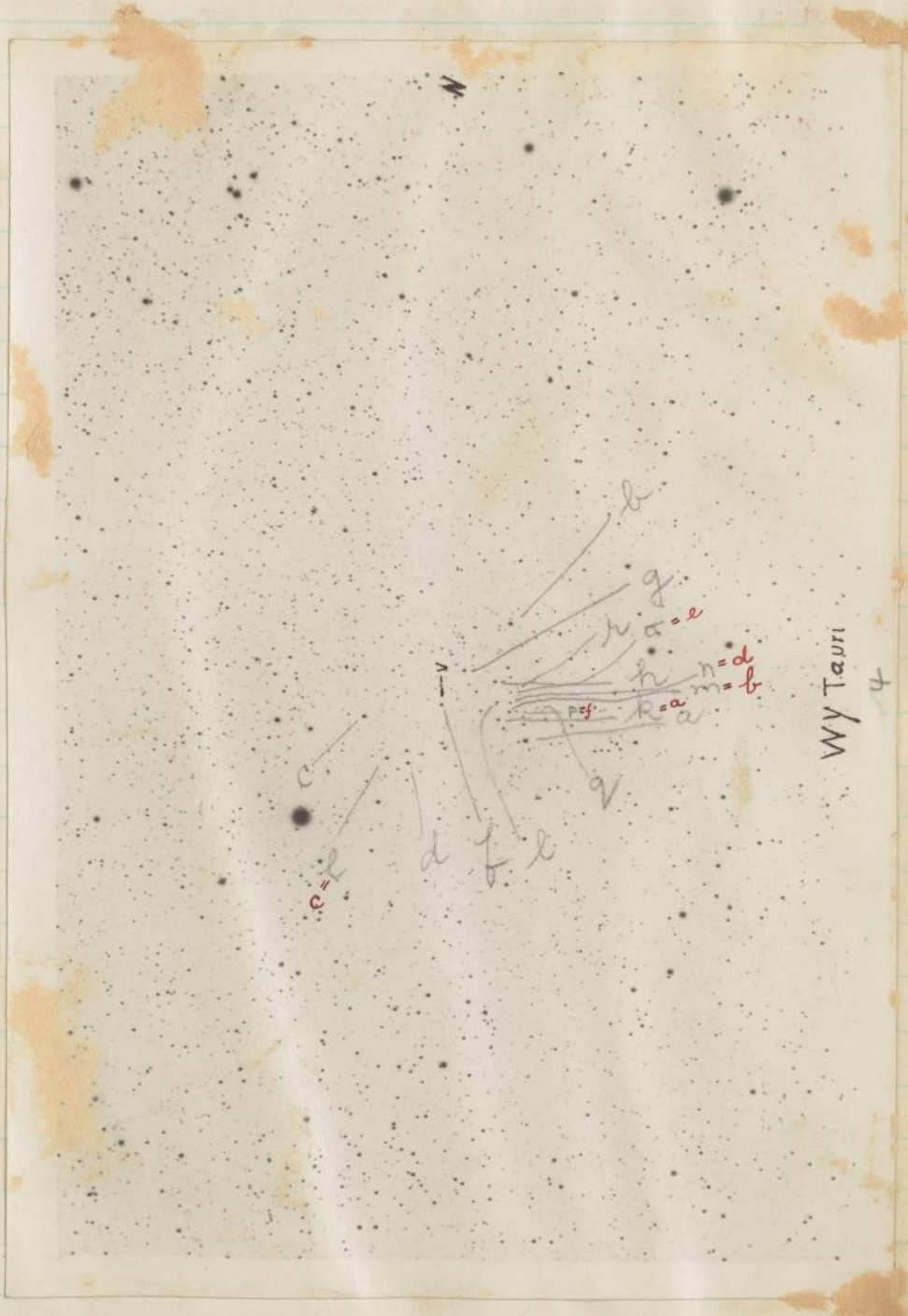
1924phae.proj.1129P

W 4
T Y Tau 11.2 - 11.5

Des.	Mag.	B. D.	R. A.	Dec.	Bk 36 p112 Revised	
a	11.14				11.16	b
b	11.65				11.85	c
c	11.70				10.44	a
d	12.11				12.23	d
e	12.52				12.27	e
f	13.04				13.12	f

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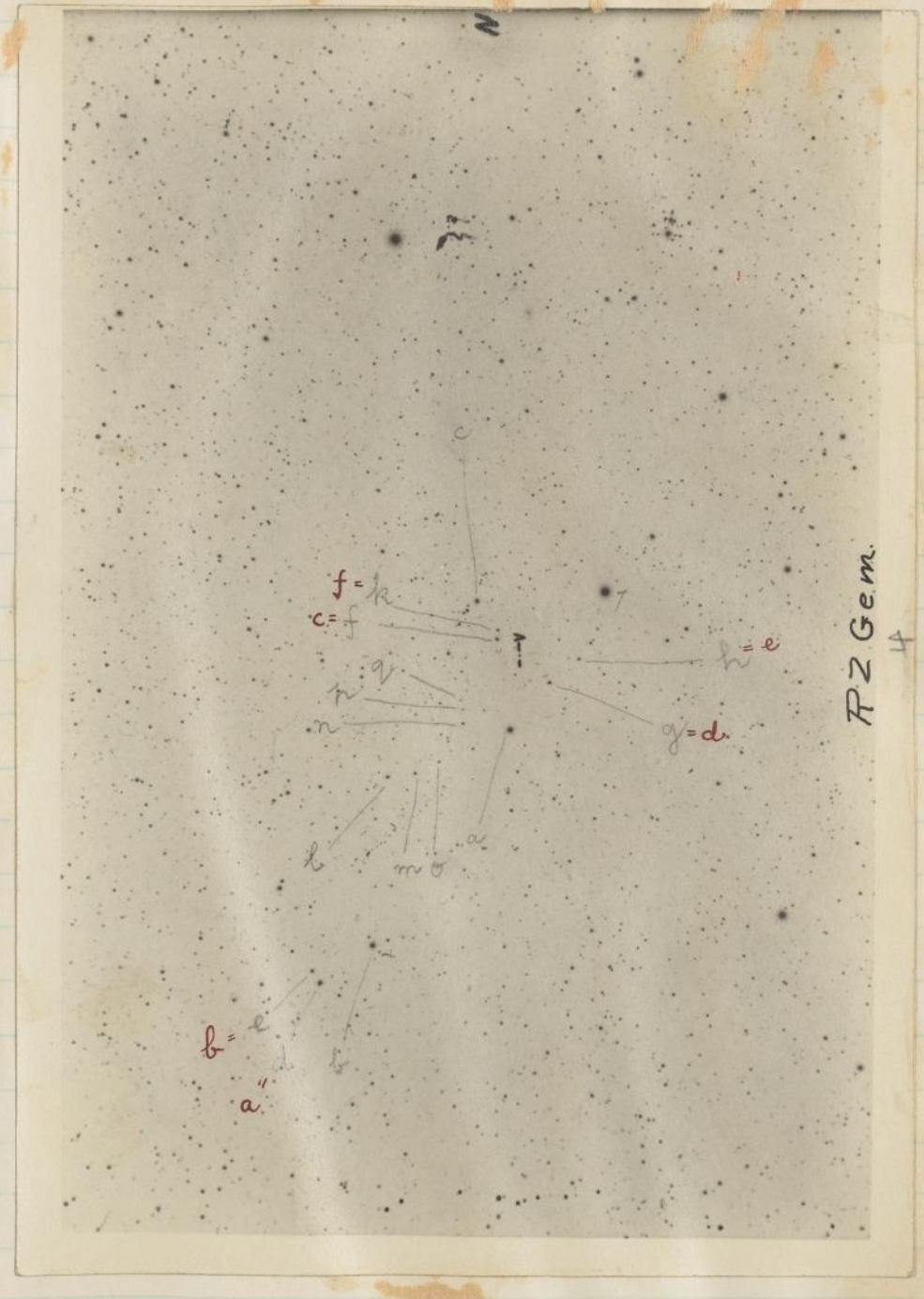
4

RZ Gem 9.0 – 9.8

Des.	Mag.	B.D.	R.a.	Dec.	Revised Bk 36 p112	
a	8.26				818	a
b	9.60				omit	
c	9.66				962	b
d	9.81				980	c
e	10.11				1021	d
f	10.41				1048	e
a	7.84					
b	7.90					
c	8.25					
l	9.55					
m	10.41					
n	10.90					
o	12.19					

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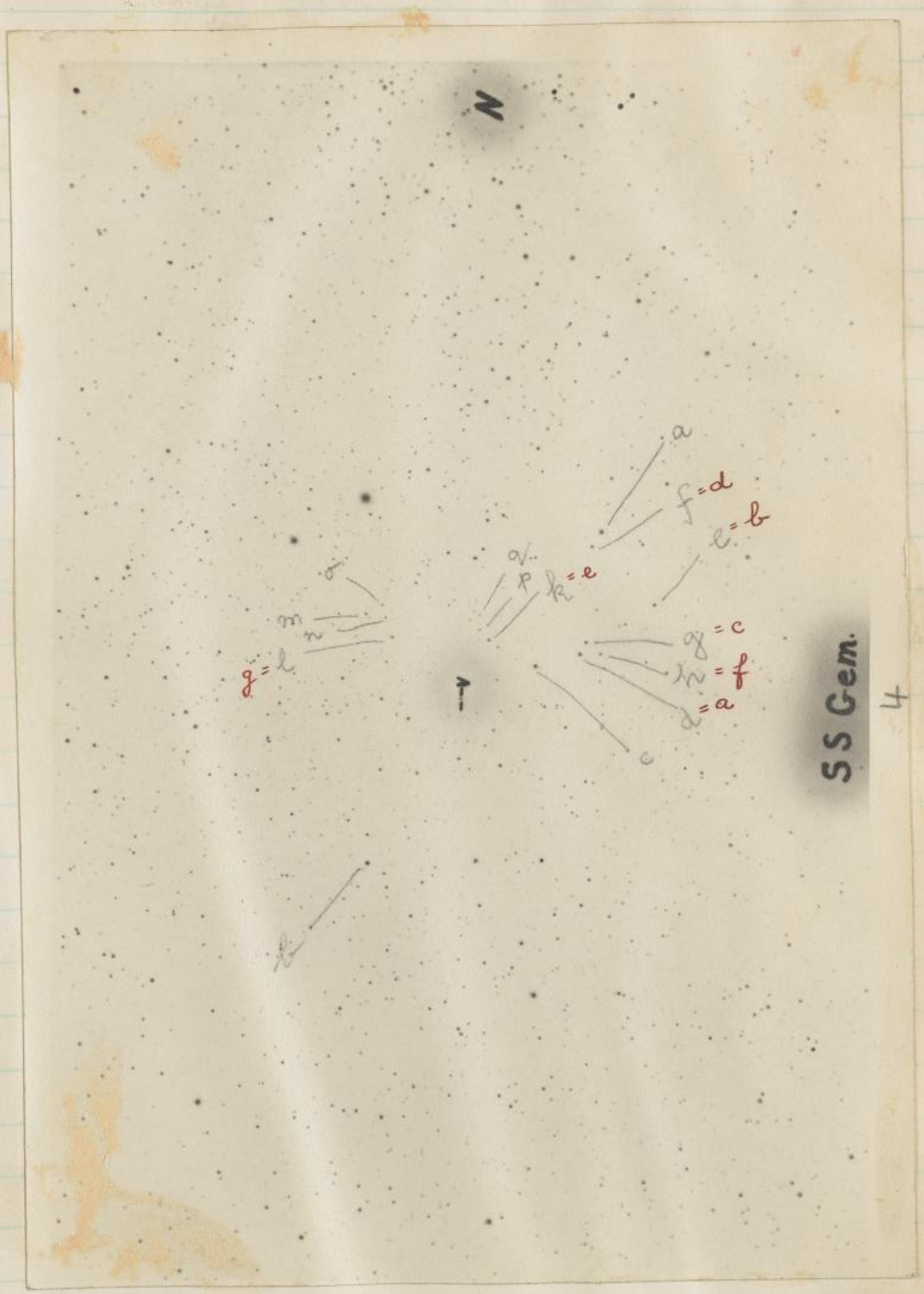
4

SS gem 8.5 - 9.3

Des.	Mag.	B.D.	R.A.	Dec.	Revised Bk 36 p112
a	8.72				895
b	9.34				938
c	9.66				959
d	9.60				973
e	10.10				1012
f	10.27				1030
g	10.70				1069
a	8.41				
b	7.40				
c	8.10				
m	11.21				
n	11.51				
o	12.19				
p	12.87				

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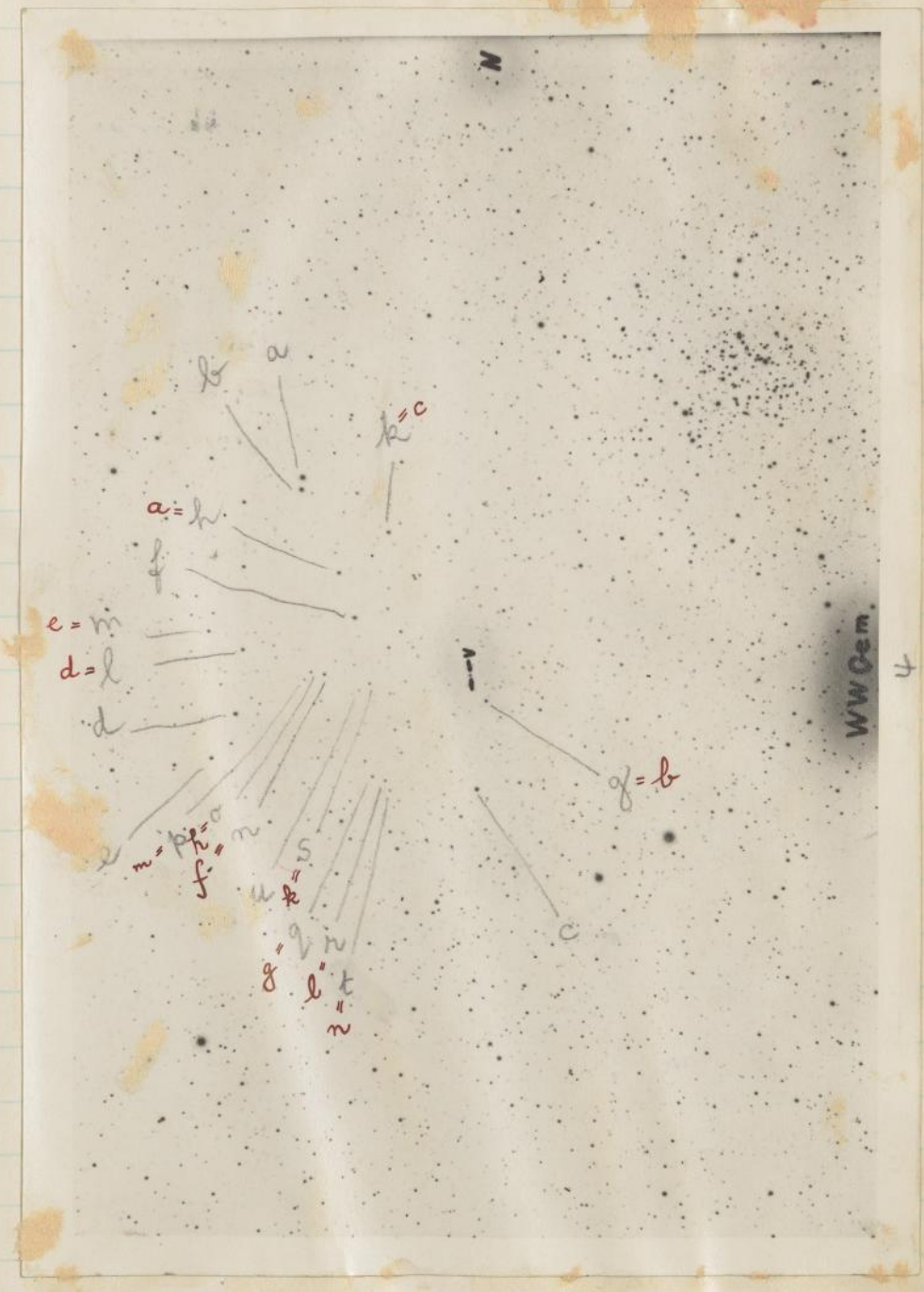
4

WW Gem 9.7 – 10.5

Des.	Mag.	B.D.	R.A.	Dec.	Revised Bk 36 p112
a	9.18				omit
b	9.56				946 a
c	9.56				~~966~~ omit
d	9.64				961 b
e	9.74				983 c
f	10.19				1006 d
g	10.88				omit
h	10.98				1076 e
k	11.19				1097 f
l	11.35				1118 g
m	11.79				1204 l
n	12.32				1227 k

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4

Sagem (CS 2)

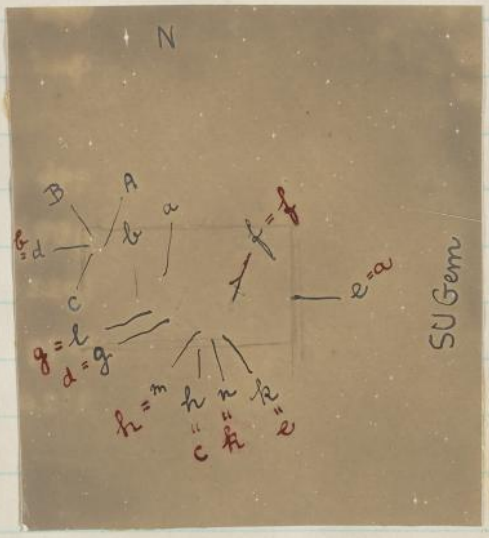
Des.		Mag.	B.D.	R.A.	Dec.		
	A	7.17					
	B	7.93					
	a	8.58					
	b	8.83					
	c	8.76					
b	d	9.66				Revised 980 ~~945~~	b
a	e	9.47				945	a
f	f	10.56				—	
d	g	10.05				996	d
c	h	9.99				988	c
e	k	10.43				1022	e
g	l	10.68				1079	f
h	m	11.01				1120	g
k	n	11.51				—	

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6 4 53 + 27: 44 ✓

~~5 53 + 23°~~



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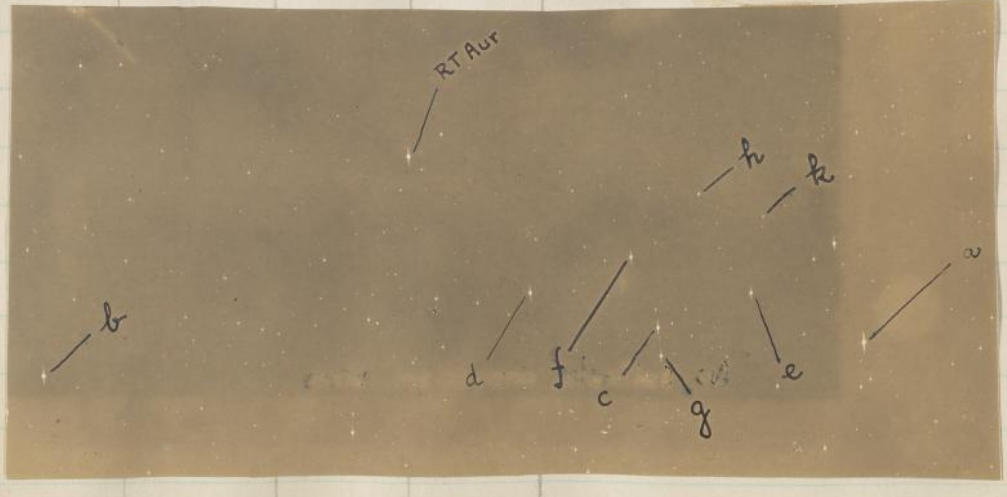
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4

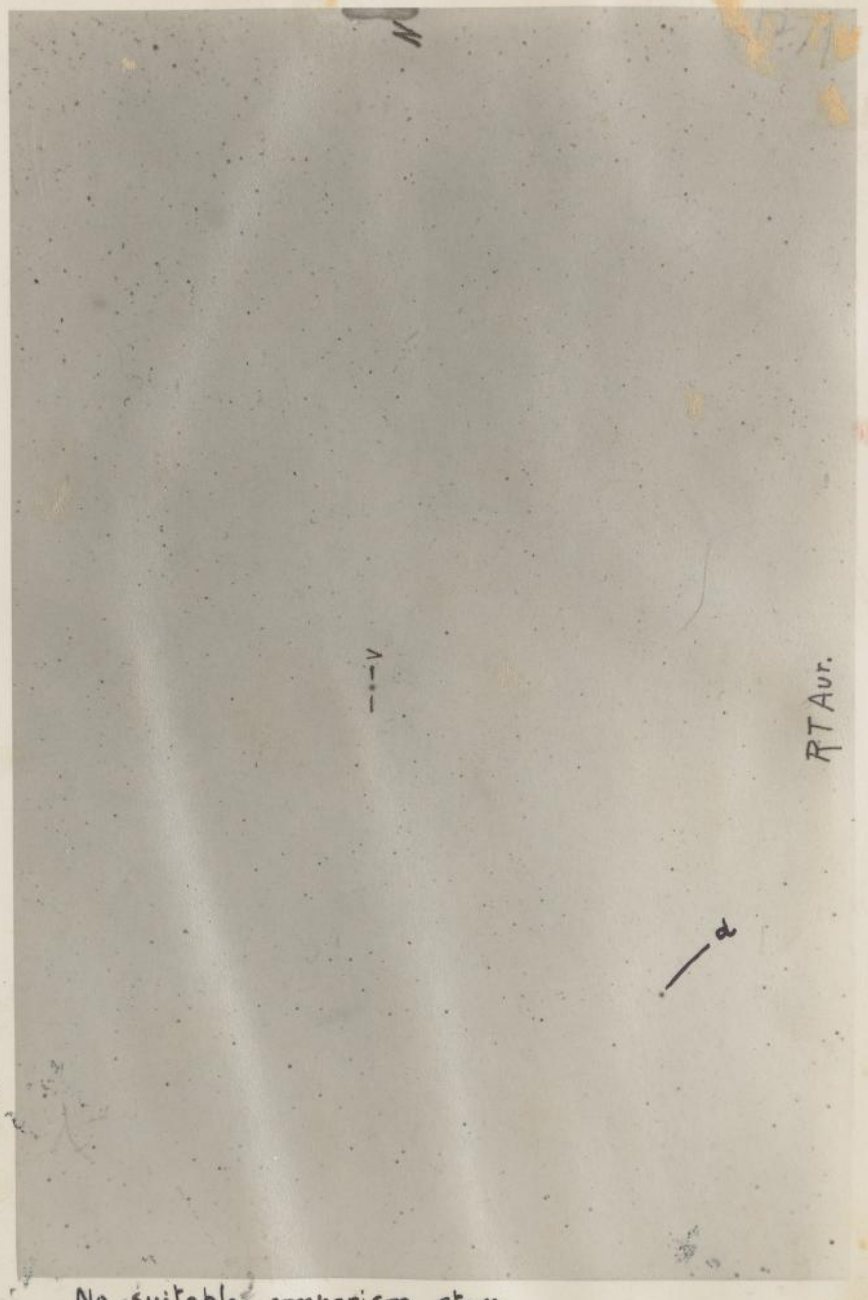
RT Aur (CS 2)

Des.	Mag.	B.D.	R.A.	Dec.	Revised	
a	4.62				456	a
b	4.85				501	b
c	5.48				omit	
d	5.53				560	c
e	6.04				587	d
f	6.23				620	e
g	6.46				645	f
h	7.25				736	
k	8.00				798	h 8



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No suitable comparison stars

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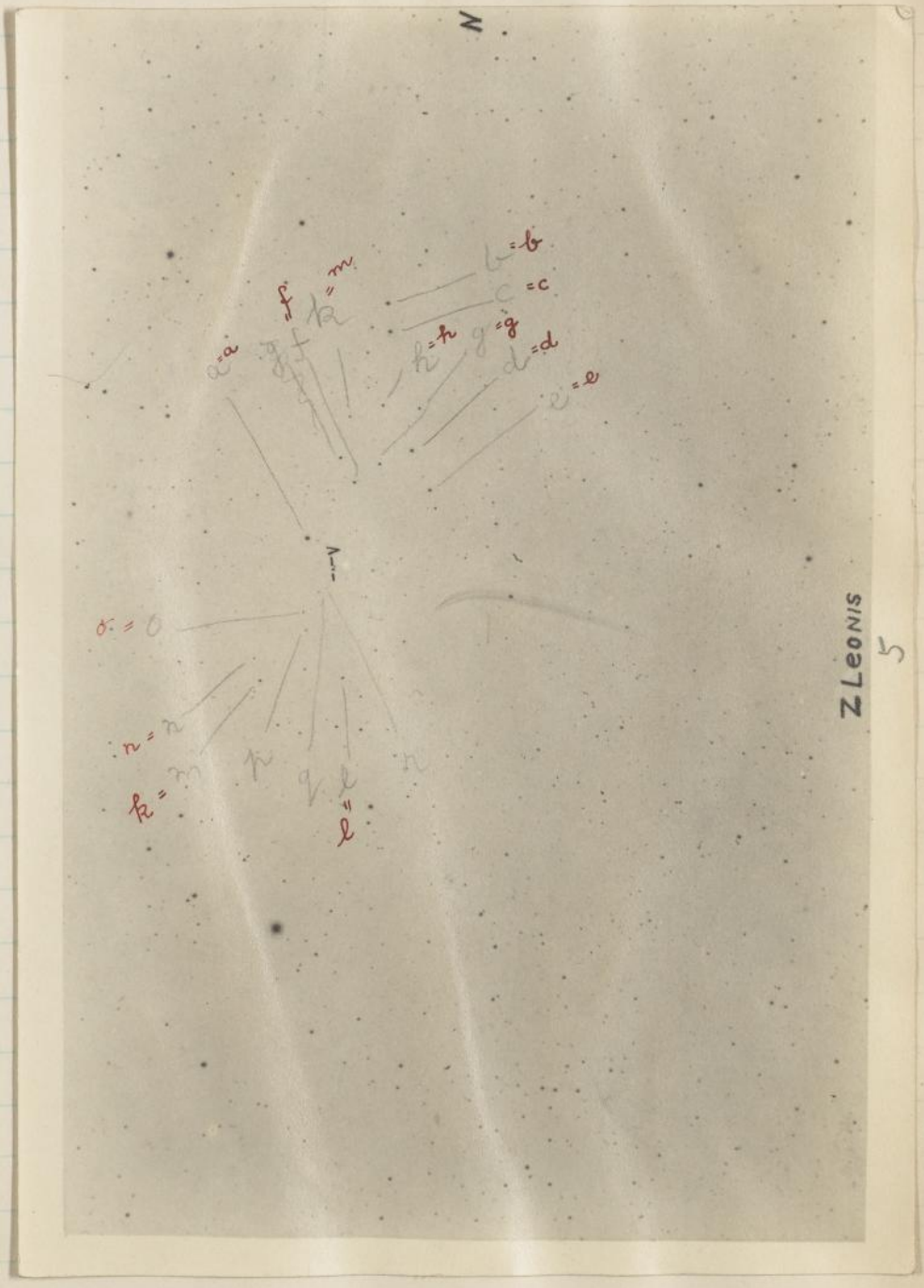
1924phae.proj.1139P

Z Leo (8.6-9.8) Mb

		mag.	B.D.	R.A.	Dec.
a	a	8.50			
b	b	9.15			
c	c	9.85			
d	d	9.98			
e	e	10.73			
f	f	10.81			
g	g	11.23			
h	h	11.37			
m	k	12.16			
l	l	11.64			
k	m	11.47			
n	n	12.86			
o	o	13.09			

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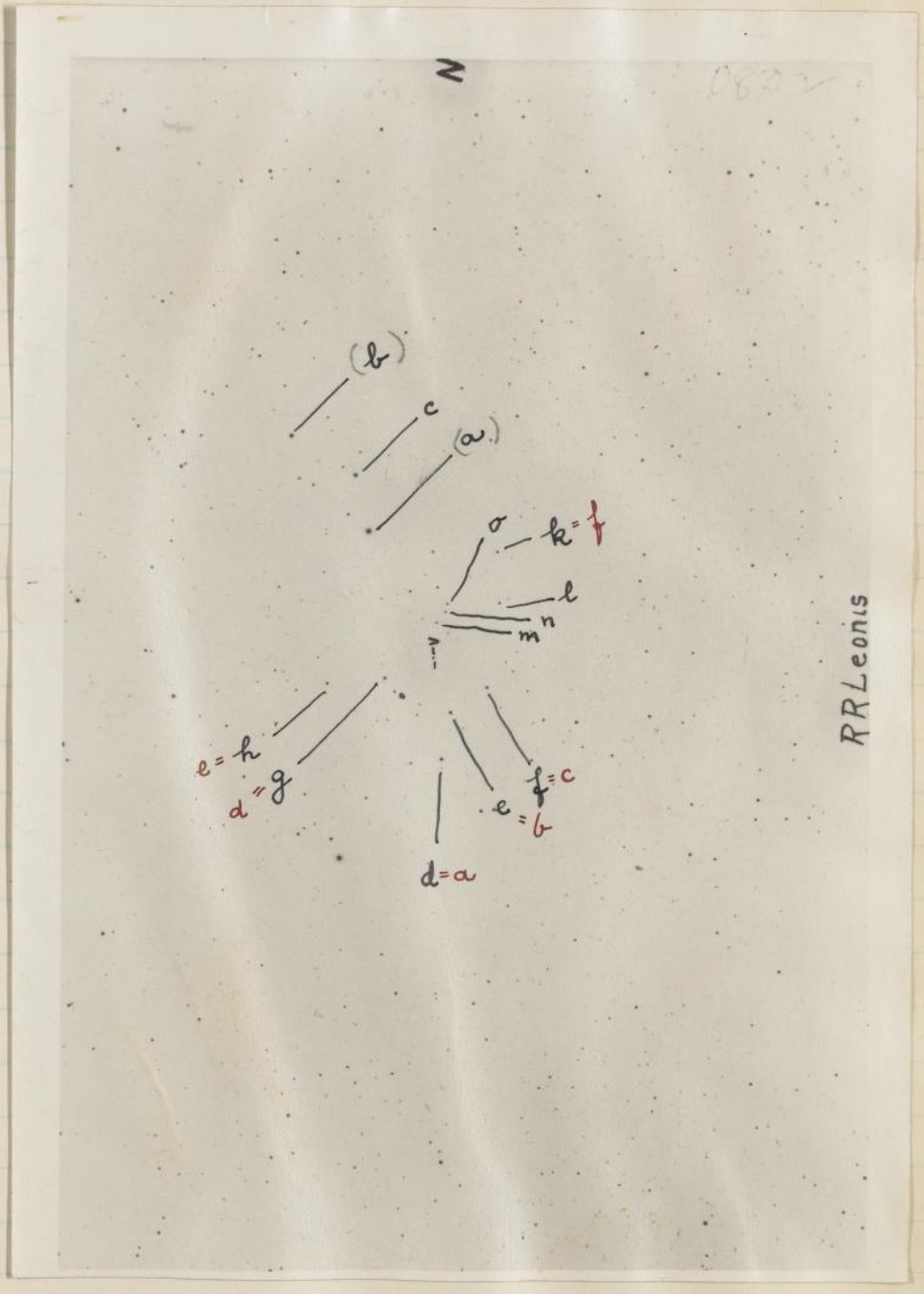
1924phae.proj.1129P

RR Leo (9.1 - 10.1)

Var.	Obs.	Mag.	B.D.	R.A.	Dec.
	c	8.28			
a	d	8.75			
b	e	9.42			
c	f	10.11			
d	g	10.22			
e	h	11.19			
f	k	11.56			
	l	11.82			
	m	12.38			
	n	12.65			
	o	13.05			

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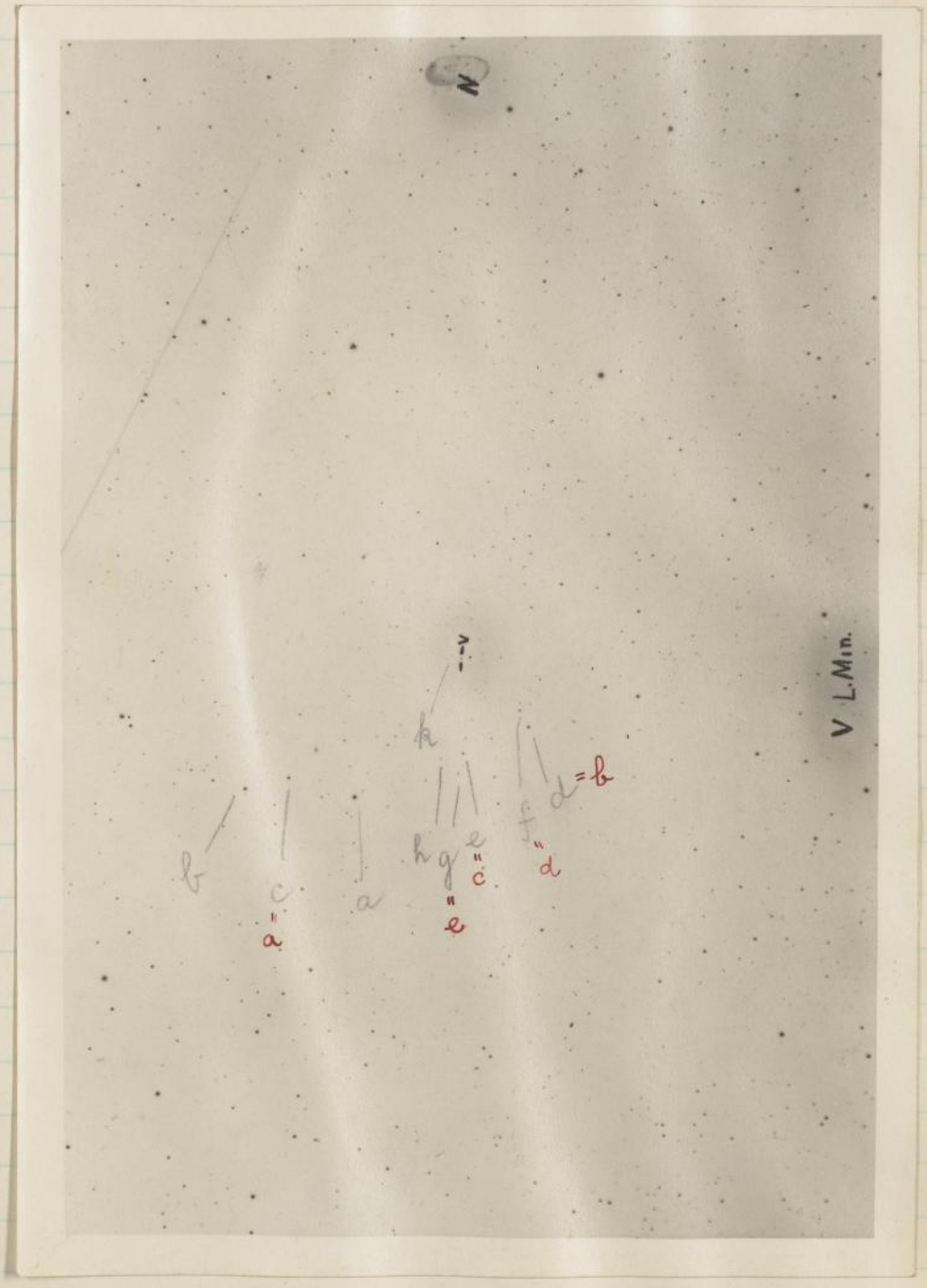
1924phae.proj.1129P

V LMi (10.1) - 11.3) Cluster

	Des.	Mag.	B.D.	R.A.	Dec.
	a	8.45			
	b	9.37			
a	c	9.85			
b	d	10.64			
c	e	11.12			
d	f	11.72			
e	g	12.27			
	h	12.81			

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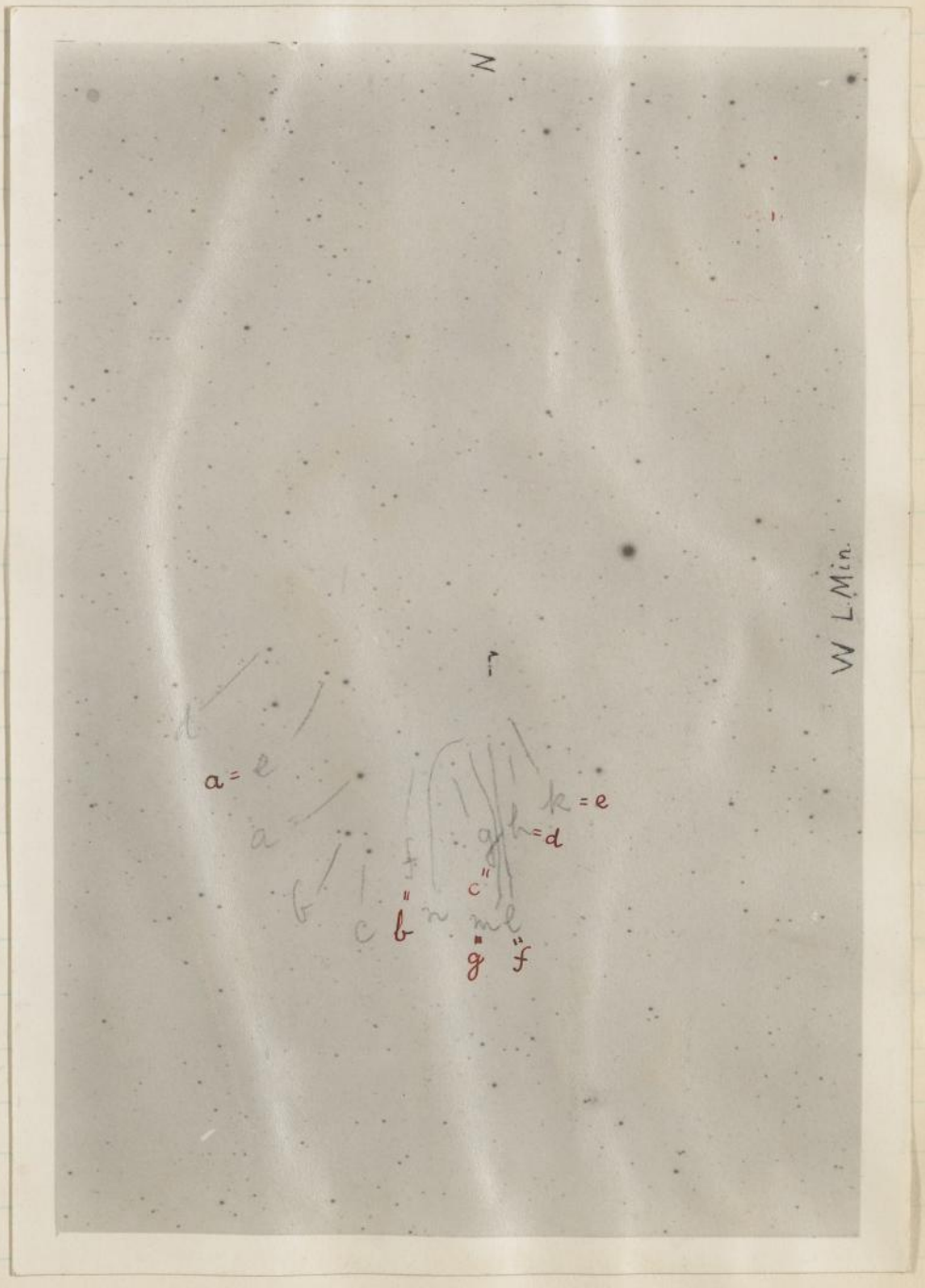
1924phae.proj.1129P

W & Mi 11 - 12.5

Des.		Mag.	B.D.	R.a.	Decl
	a	8.19			
	b	8.34			
	c	8.54			
	d	9.79			
a	e	10.24 ~~9.81~~			
b	f	10.62 ~~10.70~~			
c	g	11.76 ~~12.32~~			
d		12.38			
e		12.68			
f		13.08			
g		13.74			

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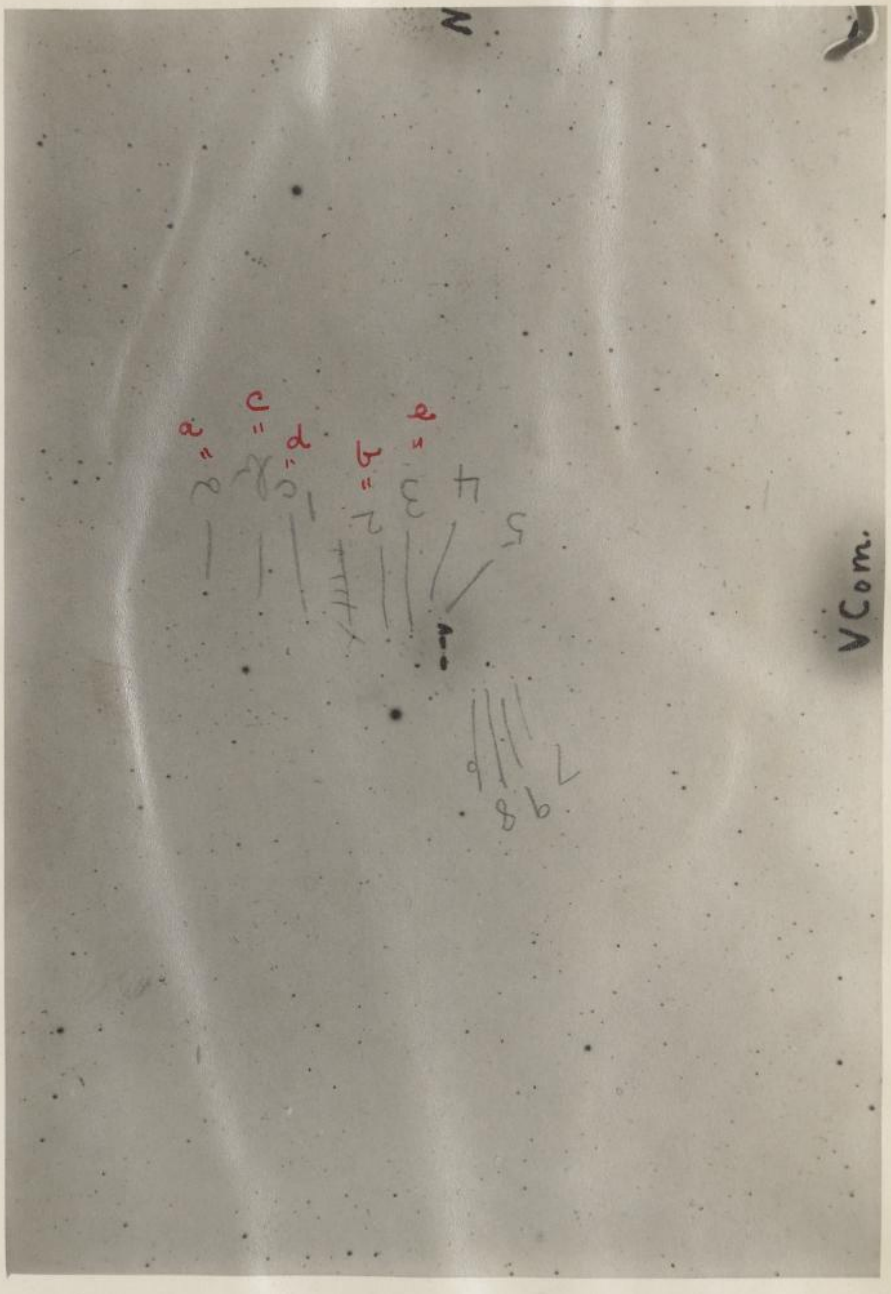
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V Com 11.4 - 12.2

Des.		mag.	B.D.	R.A.	Dec.
a	a	11.78			
b	2	11.90			
c	b	12.53			
d	c	12.79			
e	3	12.83			

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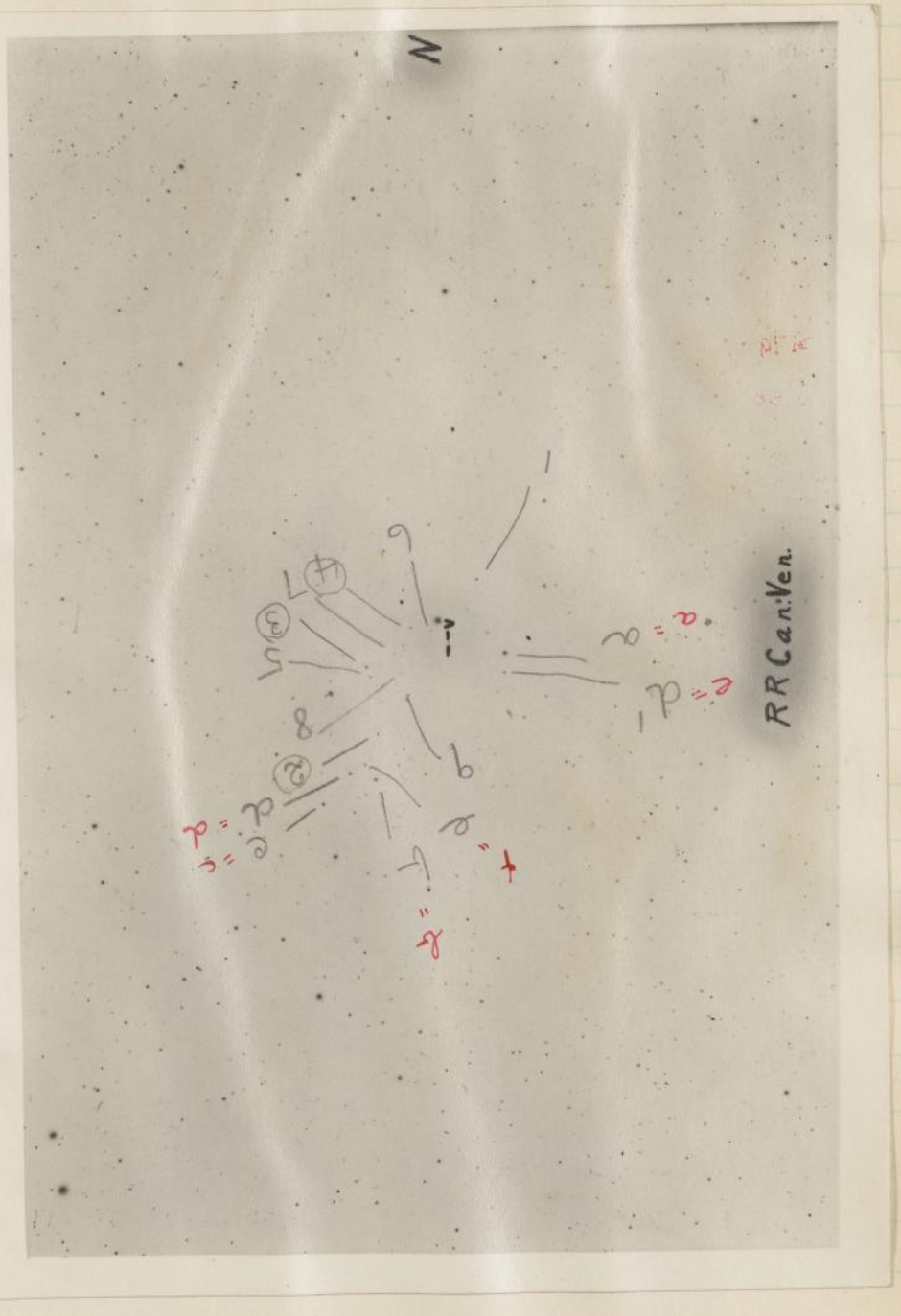
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RRCVn (10.5 - 11.6)

	Des.	mag.	B. D.	R.a.	Decl.
	1	..			
	2	..			
	3	12.20			
	4	..			
	5	13.10			
a	a	8.79			
b	b	10.50			
c	c	10.66			
d	d	11.23			
e	e				
f	d'	12.86			

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S Com See RW Com, p. 218

Des	Mag	B.D.	R.A.	Dec.

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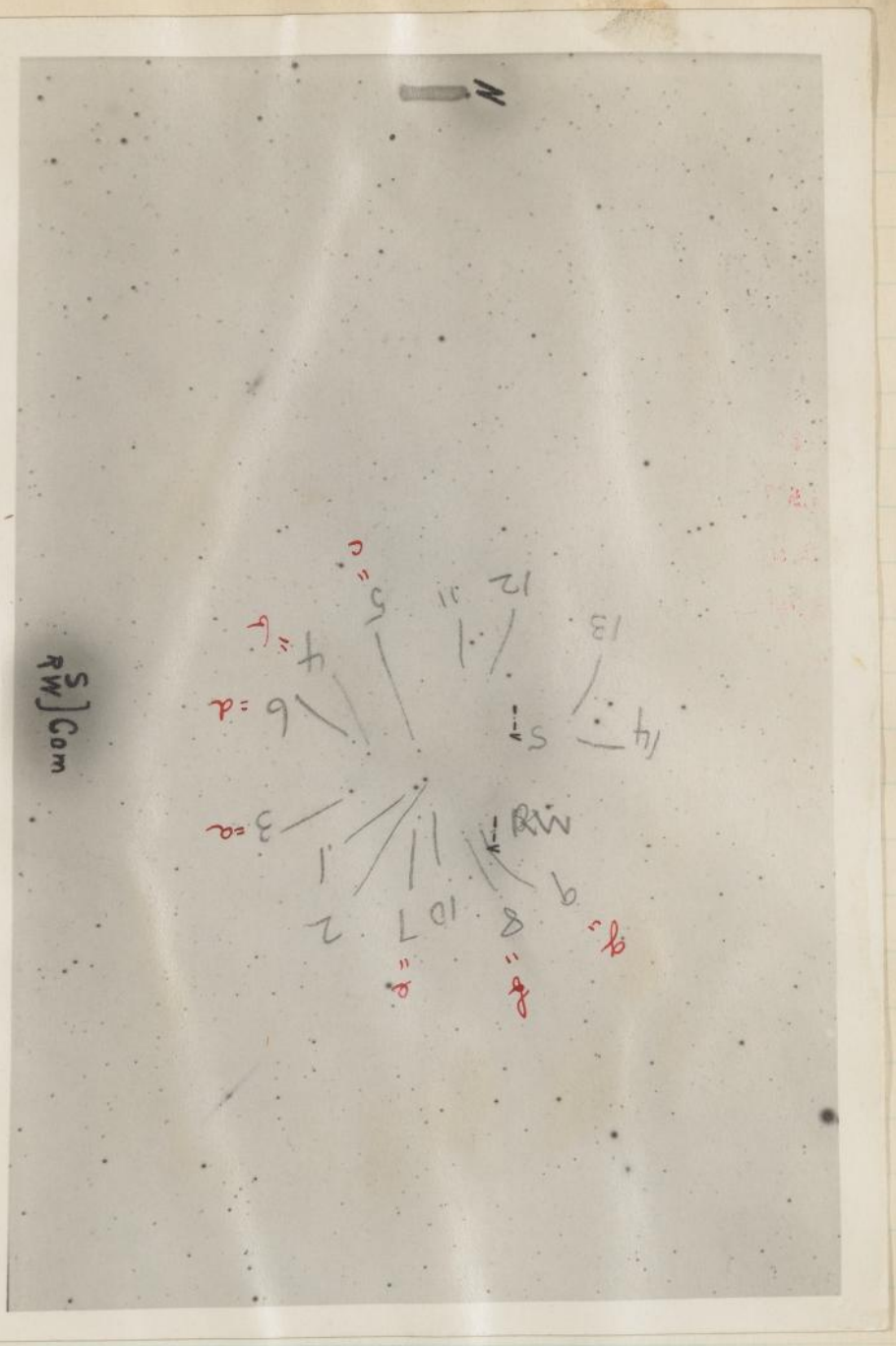
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RW Com and S Com

	Dec.	Mag.	B.D.	R.A.	Dec.
	1	8.95			
	2	9.25			
a	3	9.78			
b	4	10.83			
c	5	11.22			
d	6	11.57			
e	7	12.01			
f	8	12.47			
g	9	13.26			
	10	13.70			
	11	13.89			
	12	13.83			

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UCom (11.2 – 11.8)

	Des.	Mag.	B.D.	R.A.	Dec.
	1	9.10			
a	2	10.24			
b	3	10.87			
d	4	11.49			
c	5	11.37			
e	6	13.12			
	7	13.32			
	8	13.64			

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