KG
11365
908

1899phae.proj...9096

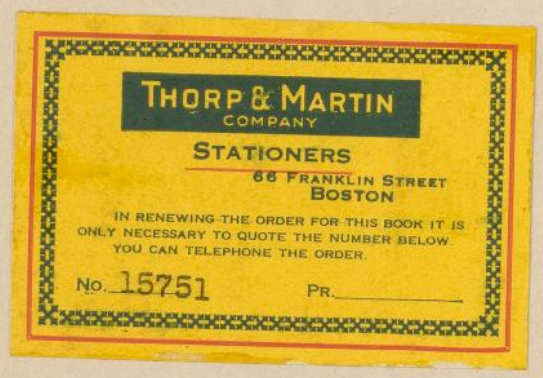




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1899phae.proj...9090

KG 11365.908



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1899phae.proj..97MG

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1899phae.proj...9099G

B. P. Gerasimovič

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1899phae.proj..9D0G

New Variables

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1899phae.proj..9999G

2 KC 11365.908

New variables on AX plates

1924.
ad 732
VII 30 924

Пробежать
для C 1187
1246
1153
1267

AX 1675
VI 3-4 26

a7d

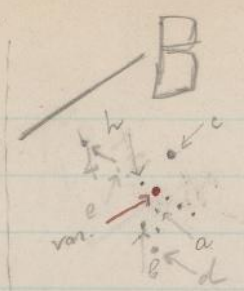
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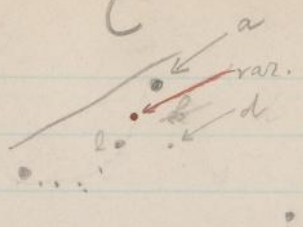
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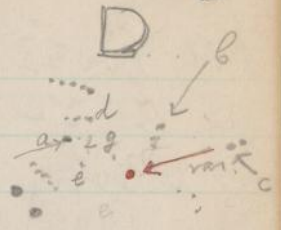
1999phae.proj...69G

$18^h.00$
$-60°.0$









A = $16^h 47^m 32^s$ $-59° 45' 3$

a=9.8, b=8.7, c=7.9 — h=10.0 — Ax 732

AM 15782:
V 16 1922
23191.
AM 15796
V 19 22
23194.
am 15803
V 22.22
23197
am 15853
VI 13.922
23219
AM 15868
VI 16 22
23222
AM 15916.
VI 30 1922
23236
AM 15921
VII 1 1922
23237
AM 15948
VII 14 22
23250

h3c
c

f = 12.59
h = 11.69
a = 10.59

h1d

<f

<f

Vf

a = 9.8 b = 10.0 c = 8.7 — h = — Ax 732

B = $17^h 20^m 33^s$ $-59° 49'$!!

a1d 0.4 ✓

a3d 3.4 ✓

h7a 6.4 ✓

d1f 28.4 ✓

a7d 2.5 ✓

e3h 16.5 ✓

e4h 17.5 ✓

=a 0.7 ✓

a = 8.6; d = 9.7 — c = $16^h 50^m 45^s$ $-66° 31'$ — Ax 762

✓

b7d

b8d

b3d

b7d

b6d

b1d

a = 9.0 b = 9.2 c = 9.9 — See pl. Ax 1765

D = $19^h 47^m 45^s$ $-67° 02'$

✓

e8g

✓

✓

e4g?

✓

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1899phae.proj..9699G

	A	B	C	D
AM 16063				
IX 9 22				
23307.	v	h6a ~~28.8~~ 28.4	v	v
AM 16223		h6a		
IV 23 23				
23533	h1a	a2d ~~25.3~~ 24.1	b2d	e1g
AM 16295				
VI 6 23				
23576	-Lh	h3a ~~10.5~~ 9.3	b5d	v
AM 16361				
VIII 15 23				
23647	-Lf	h5a 23.7	b3d	=g
AM 16393				
IX 3 23				
23666	-Lk	a7d 13.8	b1d	v
AM 16414				
IX 10 23				
23673	-Ld	h7a 20.8	=d	v
AM 16424				
IX 27 23				
23692	v	h2a 10.9	e1a.?	v
AX 484				
IV 26 24				
1825 3902.	-Ld	h7a ~~22.9~~ 21.9	b7d	Le =f
AX 527				
IV 12 24				
1720 3918.78	-f1d	h9a 9.78	b4d	~~e3~~ 1-8g
AX 682				
1716 V 5 24				
3972.63	h3a	h3a 3.63	b1d	=f
AX 732				
1847	e3a			
VII 30 24		h h	b3d	Lg Lf

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1899phae..proj...9G

	B	C	d
AX 1086			
V 25-26 25			
4296	f1d	h8a 9.0 ✓✓	g3d ~~e5g~~ c1d
AX 1153 17 40			
VI 16-17 25			
4318.70	f1d	a4d ~~28.0~~ 2.8 ✓	d9e ~~=e~~ f7g
AX 1267			
VIII 8-9 25			
4371	f1d	b2d 26.2 . ✓	b2d ~~=e~~ =f/k ?
AX 1364			
X 9-10 25			
4433	f1d	a3d ~~0.15~~ 1.5 . ✓	b9d ~~f~~ Yg
AX 1625 15 25			
V 12-13 26			
4648.70	f	h6a 16.50 ✓	b7d ~~Hg e~~ ~~e~~ f
AX 1675 16 26			
VI 3-4 26			
4670.68	f1d	a7d 8.58 ✓	=d ~~e5g~~ gYe
AX 1746			
VII ~~4-5~~ 17 13 26			
4704.69	=f	a1d 13.62 ✓	b4d g2e
AX 1798			
VIII 19-20 26			
V 4716	=f	h2a 25.0 ✓	b5d f3g
AX 1946			
X 9-10 26			
4798	=f	a3d 20.3 ✓	b4d ~~Ye~~ =f
AX 1855			
VIII 27-28 26			
4755	f1d	a9d 6.2 ✓	b4d ~~3g~~ f9g

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1899phae.proj..9609G

6

B

am 11687					
V 8 916					
20992	V	e h	24.7 ~~12.7~~ ✓	V	V
am 11700					
V 10 916					
20994	V	e 8h	26.7 ✓	V	V
am 11787					
V 23 916					
21007	=V	=d	9.8 ✓	V	V
am 11804					
V 25 916					
21009	V	h 8a	~~11.8~~	V	V
am 11816					
V 26 916					
21010	V	h 8a	11.8 ✓	=d	V
am 11828					
V 27 916					
21011	V	h 7a	12.8 ✓	V	V
am 12118					
VII 2 916					
21047	=a	=h	20.0 ✓	=e	V
am 12152					
VII 6 916					
21051	=V	=h	24.0 ✓	V	V
am 12298					
VII 20 916				V	V
21065	V	e 9a	9.2		
am 12442					
IX 19 916					
21126	✓	h 1a	12.4 ✓	V	V

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1899phae.proj...0000

B

am 12745					
XL 1 916					
21169	✓	dlf	43 26.5 ✓	✓	✓
am 13156					
V 25 917					
21374	✓	=a	9.1	d7e	✓
am 13404					
VII 15-917					
21425	✓	d3d	2.3	✓	✓
am 13422					
VII 18 917					
21428	✓	dlf	5.3	✓	✓
am 13446					
VII 28 917					
21438	<f	h2a	15.3	=d	–
am 14166					
VII 15 918					
21790	<h	h1a	13.0	e1a	<g
am 14231					
VII 29 918					
21804	✓	dlf	27.0	<d	–
am 14256					
VII 21 919					
22161	<f	=a		=d	<e
am 15296					
VII 10 920					
22516	✓	h1a		✓	✓
am 15503					
IX 16 920					
22584	✓	h2a		✓	✓

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1899phae.proj..9999G

	B	C	D.
8 $16^{h}20^{m}$			
ax 1826			
VIII 5-6 1926			
– 4733.51	= a 13.61 ✓	e1a	
ax 483			
IV $16^{h}23^{m}$ 924			
– 3902.78	k 9a 22.68 ✓	b8d	
ax 526			
V $15^{h}15^{m}$ 924			
– 3918.73	= a 9.73	b3d	
ax 585			
VI $16^{h}55^{m}$ 924			
– 3941.70	h 2a 2.90	d7e	
ax 620			
VI $15^{h}17^{m}$ 924.			
– 3961.58	k 4a 22.78 ✓	b6d	
ax 681			
VII $15^{h}44^{m}$ 924			
– 3972.57	h 3a = 3.87 ✓	b3d	
ax 729			
VII $29^{h}16^{m}$ 924			
– 3996.53	= h 22.83 ✓	b2d	
ax 779			
VIII 27 924			
– 4025	= h 26.5 ✓	b8d	
ax 1011			
IV 3-4.925	h 3a –	b4d	
– 4244	15.8		
ax 1054			
V 15-16 925	a 2d		
– 4286	a 2d 9.79	b5d	

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	B	L	D.
Aur 1079			
V 23-24-925	h 2a		
4294	h 9a	7.0	b3d
Aur 1140			
VI 12 13 -925		14.51	
4314.59	a 1d	27.59	e1a
Aur 1194			
VI 25-26-925			
4397	a 3d	11.1	b9d
Aur 1230			
VII 21-22-925			
4353.	h 8a	8.2	b7d
Aur 1241			
VII 23-4-925			
4355.	h 5a	10.2	b4d
Aur 1248			
VII 27-8 925			
4359.	< h	14.2	b4d. depth
Aur 1278			
VIII 12-13 925			
4375.	a 9d	1.3	b6d
Aur 1565			
IX 14-15 926			
4620	h 7a	15.7	b7d
Aur 1596			
V 4-5-926			
4640.	a 7d	6.8	= d
Aur 1646			
V 17-18-926			
4653.	h 2a	19.8	b3d

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10

	B	C	D
d 1624	a 8d 7.9	d2e	
3-4-926			
4670	7.9		
ae 1745	a 2d	b3d	
VII 7-8 926			
4704.	13.0		
ae 1952		=d. : defect	e1d
X 11-12 926			
4800.52	h9a 22.82		
ae 1856			
VIII 27-8 926			
4755	a 8d 6.2	d4e	f3g
ae 1926			
IX 29-30 926			
4788	a 7d 10.3	e1a bad	g4e
ae 1824			
VIII 4-5 926			
4739	d1d 12.1	b3d	f5g
ae 1807			
VII 31 926			
4728	a 3d 8.1	b4d	≤f
ae 1780			
VII 8-9 926.			
4705.63	h9a 14.63	b4d	f1g
ae 1693			
VI 12-13.926			
4679.62	h5a 17.52	d4e	g5e
ae 1619			
V 11-12 926			
4647.70	h3a 14.50	b2d	f2g

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1899phae.proj..9@0G

	B	C	D	
Aur 16 45 3 =				
V 19-20-26				
4655.74	= h	2254	d4e	=f
Aur 1266	= h			
VIII 8-9 925				
4371	a1d	26.2	b3d	≤f
Aur 1224				
VII 20-21 925				
4352	h8a	7.2	b2d	f2g
Aur 1203				
VI 26-27-925				
4328	h7a	12.1	b2d	≤f
Aur 1159				
VI 17-18 925				
4319.76	a7d	3.86	b2d	f2g
Aur 1099				
V 28-29-925				
4299	h3a	12.0	b7d	≤f
Aur 1056				
V 15-16-925				
4286	h2d	27.9	b2d	=f
Aur 863				
X 16 924				
4075	h6a	16.7	b3d	g2e
Aur 820				
IX 20 924				
4049	~~g2~~ h2a	20.6	b5d	f1g
Aur 767				
VIII 23 924				
4021	h1a	22.5	b3d	f2g

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12

	B	C	D
Aur 731	e5h		
VII 30 924			
- 3997	e5h 97.3 ✓	b4d	f3g
Aur 683			
VII 1848 924.			
- 3972.69	h1a 3994	d4e	=f —
Aur 625			
VI 25 924			
VI 22 3962.66	h3a 23.86 ✓	d5e	f7g.
Aur 581			
VI 17 7 924			
- 3940.71	e5h 1.91 ✓	b4d	e1d
Aur 551			
V 16 37 924.			
- 3930.71	h3a 21.71 ✓	b2d	f5g?
Aur 519			
V 8 17 924			
3914.78	h2a 5.78 ✓	= e	f5g
Ax 474			
IV 24 1824	h4a 20.77 ✓	= e	
3900.87			
Ax 1274			
VIII 11-12 25	a4d	b2d	
4374.	0.3 ✓		
1307			
IX 8-9 25	h5a 28.3 ✓	d2e	
4402			
1577			
IV 20-21 26	L4a 21.7 ✓	b4d	
4906.			

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B C D

1617 h5a 13,52 = e
V 10-11 26
4676.70

1649 h1a ~~21.8~~ b6d
V 18-1926 20.8
4654 ~~21.8~~

1671 a5d) 6.9 b3d
VI 2-3 26
4669

1690 h8a 15.9 b4d
VI 11-12 26
4678

1775 h3a 21.0 b3d
VII 14-15 26
4712

1836 h4a 19.1 b8d
VIII 11-12 26
4739

1862 a4d 10.2 b3d
VIII 31-1 26
4759

1761 h4a 16.0
VII 10-11 26
4707

AX 504 h1a 0.86 = e
V 3 1836 24
3909.86

~~0.86~~
668 h4a 20.2
VI 22 24
3959

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B C D

85

640
VI 27 24
3964.
688 h3a. 5.91 = e
VII 7 24
3974.61
712 h4a 19.3 b1d
VII 21 24
3988.
762 h2a 20.5 b7d
VIII 21 24
4019.
805 d1f 6.6
IX 6 24
4035.

1067 a4d 3.0. b8d
V 19 25
4290.
1098 h6a 12.0 = d
V 28 25
4299
528 h6a 9.0
V 12 24
3918
614 h5a 21.2
VI 23 24
3960.
622 h4a 22.2
VI 24 24
3961

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1899phae.proj..9@@G

B C D

652 = h 2792 ✓

VII 30 24

3967.

689 h3a 5.3 ✓

VII 7 24

3974

713 h1a 22.3 ✓

VII 24 24

~~3991~~ m

763 h3a 20.5 ✓

VIII 21 24

4019

806 d1f 6.6 ✓

IX 6 24

4035

865 h4d 17.7 ✓

X 17 24

4076

1068 a2d 2, 3, 4 ✓

V 19 25

4290

1107 h3a 13.0 ✓

V 29 25

4300.

1164 a3d 4.1 ✓

VI 18 25

4320.

1196 h9a 11.1 ✓

VI 25 25

4327.

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1999phot..proj....009G

B C D

1250 h3a 14.2 ✓
VII 27 25
4359
1275 a5d 0.3 ✓
VIII 11 25
4374
1308 h5a 29.3 ✓
IX 8 25
4402
1373 h6a 8.5 ✓
X 16 25
4446
1578 h8a 21.7 ✓
IV 20 26
4626
1646 h2a 17.8 ✓
V 15 26
4657
1657 h1a 22.8 ✓
V 20 26
4656
1706 h3a 20.9 ✓
VI 16 26
4683
1735 a4d 9.0 ✓
VII 3 26
4700
1792 h3a 22.0 ✓
VII 16 26
4713

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	A	B	C	D
773				
26 24				
1024	h1a	e7h 25.5	a1d	~~g 2b~~ e1d
812				
6 24				
1045	f9h	kfa 16.6	b2d	~~e 2g~~ g2e
862				
15 24				
4074	f1d	h5a 15.7	d5e	~~e 2g~~ f8g
X 1187				
24-25 25				
4826	=f	a3d 10.1	b3d	~~e 2g~~ 2e
X 1246				
25-26 25				
4357	f1d	h5a 12.2	d8e	f1g
1332				
17-18 925				
4411	f1d	a1d 8.4	d6e	~~e 1g~~ =g

798.59

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	B	C	D
1837	h6a 19.1 ✓		
VIII 11 26			
4739			
1891	h6a ~~19.2~~		
IX 8 26	18.2		
4767			
1969	h6a		
X 25 26	7.4		
4814			
578			
VI 2 24			f5g
3939			
1299			
VIII 28 25			g2e
4391 ✓			
1365			
X 9 25			≤f
4433			
733			=f
VII 30 24			
3997 ✓			
889			=cf
X 27 24			
4086 ✓			
1918			g3e
IX 27 26			
4786 ✓			
1947			=f
X 9 ~~22~~ 26			
4798 ✓			

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1899phae.proj..9G

λ

1878
IX 4. 26
4763 v.

1828
VIII 5 26
4733 v

1776
VII 14 26
4711.74

1707
VI 20 26
4683.88

1920
IX 28 26
4787 v

768
VIII 23 24
4021

627
VI 25 24
3962

684
VII 20 24
3972.76

864
X 16 24
4075

1174
VI 22 25
4324 v

=f

f8g

g4e

=f

f7g

f1g

f1g

f1g

f5g bad

f2g

λ

1654
V 1918.10 26
4655.80

1333
IX 17. 25
4411

1255
VII 28 25
4360 v

≤f

≤f

=f

V

J

L eat

M and b

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1899phae.proj..9@9G

M



L



aux 9					L	
7 29					0 ✓	
40			a76			
aux 6			M:		∠e v ✓	
VI 26			22			
39			23	0°		
				-48°		
aux 18						
IX 4-5					alf ✓	
47			0			
aux 1?						
VII 14					bul	
47			∠a v			
aux 9						
XII 16					∠e v ✓	
413			0			
aux 1921				1878	e a	
IX 28.29-926		✓		IX 4 26	e2a ✓	
4787	∠e	v 57c ✓	0	4763		
aux 1287				1828		
VII 28 29 92				VIII 5 26	a2f ✓	
4360	0 ✓	265	b1c ✓	4733		
aux 1860		✓		1776		
VIII 30 31 92				VII 14 26	a3f ✓	
4758	e2a ✓	215 ✓	0	4711		
aux 1327				1707		
IX 12-13 92				VI 16 26	=e ✓	
4406	be5a ✓	235 ✓	∠a ✓ v	4683		
aux 686		3		1920		
VII 5 924				IX 28 26	∠e v ✓	
3972	6 ✓	86c ✓	0 ✓	4787		

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M L M19

2116 9 30.4 +23 38 7.50 45 2

5269 30.3 +69 45 8.04 24 2
9 26.3 +69 57 8.2
+4.0 -12
+5.3140

					0 √
					<e v √
					alf √
					bud
					<e v √
aix 1921 IX 28-29-926 4787	<e	√57c	0	1878 IX 4 26 4763	e2a √
aix 1287 VII 28-29-925 4360	0 √	265 5√	b1c √	1828 VIII 5 26 4733	a2f √
aix 1860 VIII 30-31-926 4758	e4a √	215 √	0	1776 VII 14 26 4711	a3f √
aix 1327 IX 12-13-925 4406	be5ca √	235 3 √	<a √ v	1707 VI 16 26 4683	=e √
aix 686 VII 5 924 3972	0 √	8c √	0 √	1920 IX 28 26 4787	<e v √

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1899phae.proj...gif.gz

aur 903				578			
1924.				VII 2 24			O ✓
4088	✓		a76 ✓	3939			
aur 636				1918			∠e v ✓
VI 26 924				IX 27 26			
3963				4786			
aur 1879				1365			
IX 4-5 1926				X 9 25			alf ✓
4763	e3a ✓	58c ✓	O	~~4798~~ YY33			
aur 1778				800			
VII 14-15 1926				IX 5 24			hul
4711	ca5f ✓	=c ✓	∠a v	4034			
aur 943				1947			
XII 16 924				X 9 26			∠e v ✓
4136	ca8f ✓	255 ✓	O ✓	4798			
aur 1921				1878			c/a
IX 28-29-926				IX 4 26			e2a ✓
4787	∠e ✓	1557c ✓	O	4763			
aur 1287				1828			
VII 28-29-92				VIII 5 26			a2f ✓
4360	O ✓	265 ✓	b1c ✓	4733			
aur 1860				1771			
VIII 30-31-26				VII 14 26			a3f ✓
4758	e2a ✓	215 ✓	O	4711			
aur 1327				1707			
IX 12-13-92				VI 16 26			=e ✓
4406	be5a ✓	235 ✓	∠a ✓ v	4683			
aur 686				1920			
VII 5-924				IX 28 26			∠e v ✓
3972	6 ✓	58c ✓	O ✓	4787			

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VIII 30 924					768			
— 3997	D	V	O	V	225 V	VIII 23 24	O	V
					V	— 4021		
Ar 802						627		
IX 5 924								
— 4034	D	V	dge	V	215 V	VI 25 24	O	V
					>	— 3962		
Ar 874						684		
X 22 1924								
— 4081	=e	V	bbc	V	51c V	VII 5 24	O	V
					V	— 3972		
Ar 1366						864		
X 9-10-1925								
4433	alf	V	O	V	2356 V	X 16 24	O	V
					V	— 4075		
Ar 1397						1174		
XII 5-6 1925								
4490						VI 22 25	O	
Ar 1447						— 4324		
XII 22-3 1925						1654		
— 4507						V 19 26	O	V
Ar 1463						— 4655		
I 5-6 1926	D	V	O	? V		1333		
— 4521						IX 17 25	=a	V
Ar 1716						— ~~4776~~ 4411		
VI 21-22-926					255 V	1255		
— 4688	=e	V	=d			VII 28 25	O	
Ar 1985						— 4360		
X 11-12-926						889		
4800	∠D	V	O		59c V	X 27 24	∠e	V
1299						— 4087		
VIII 28 25	∠e	V	V					
— 4391								

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~~2/10 7. 40.~~

22 75

873

X 23 24 <e v V

4082

647

VI 28 24 O V

3965

734

VII 30 24 O V

3997

764

VIII 21 24 O V

4019

801

IX 5 24 O V

4034

902

X 29 24 = e V

4088

1175

VI 22 25 O V

4324

1256

VII 28 25 O V

4360

1326

IX 12 25 e9a V

4406

1659

V 27 26 <e v V

4658

1715

VI 19 26 = e V

4686

1777

VII 14 26 a7f V

4711

1825

VIII 4 26 a5f V

4732

1894

IX 8 26 <e v V

4767

1948

X 10 26 <e v V

4799

736

VII 30 24 O V

3997

634

VI 26 24 O V

3963

883

X 24 24 <e v

4083

1949

X 9 26 O V

4798

1964

X 14 26 O

4803 V

1901

IX 10 26 = e

4769

1325

IX 12 25 e8a V

4406

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22 23 45

618

618	VI	23	24	00	✓		3960	1461	I	3	26	0	=2 ✓	4519
691	VII	7	24	0	✓	=5 ✓	3974	1820	VIII	3	26	0	25s ✓	4731
715	VIII	24	24	0	✓	a82	3991	1886	IX	7	26	0	s8c ✓	4766
782	VIII	27	24	c2d	✓	23s ✓	4025	1931	X	1	26	0	s1c ✓	4790
808	IX	6	24	d1e	✓	a72 ✓	4035							
882	X	24	24	b5c	✓	24s ✓	4083							
913	XI	1	24	a7b	✓	c1d ✓	4091	783	VIII	27	24	d5e	25s ✓	4025 ✓
1166	VI	18	25	=d	✓	225 ✓	4320	809	IX	6	24	d6e	22s ✓	4035 ✓
1198	VI	25	25	d2e	✓	s1c ✓	4327	884	X	24	24	a7c	23s ✓	4083 ✓
1252	VII	27	25	b8c	✓	23s ✓	4359	914	XI	1	24	a5c	s2c ✓	4091 ✓
1310	IX	8	25	ca	✓	25s ✓	4402	1253	VII	27	25	a8c	24s ✓	4359 ✓
1327	X	16	25	ca	✓	25s ✓	4410	1344	IX	19	25	=a	s5c ✓	4413 ✓
1409	XII	9	25	0	✓	25s ✓	4494	1786	VII	15	26	a3c	=2 ✓	4713 ✓
1708	VI	16	26	a1b	✓	s5c ✓	4683							
1767	VII	12	26	ca	✓	24s ✓	4709							
1809	VII	31	26	0		25s ✓	4728	1710	VI	17	26	=a	22s ✓	4683 ✓
1859	VIII	30	26	0		a82 ✓	4750	1655	V	19	26	a5c	s2c ✓	4655
1893	IX	8	26	0		26s ✓	4767	1095	V	27	25	a4c	=5 ✓	4298
								1148	VI	15	25	a8c	24s ✓	4317
0 30														
648	VI	28	24	ca	✓	29s ✓	3965 ✓	1182	VI	23	25	d3e	25s ✓	4325
667	VII	2	24	ca	✓	s8c ✓	3969 ✓							
796	IX	4	24	d3e	✓	=c ✓	4033 ✓							
871	X	20	24	=c	✓	c3d	4079 ✓	950	XII	19	24		s2c ✓	4439
897	X	28	24	b2c	✓	21s	4087 ✓	1403	XII	7	25		s1c ✓	4492
946	XII	17	24	ca	✓	s7c	4137 ✓	1454	XII	23	25		s8c ✓	4508
1287	VIII	17	25	a5b	✓	=2 ✓	4380	1458	I	9	26		=2 ✓	4525
1322	IX	11	25	=a	✓	a82 ✓	4405	1874	IX	3	26		s1c ✓	4762
1363	X	8	25	0	✓	c1d ✓	4432	1912	IX	16	26		=5 ✓	4775
1393	XII	4	25	0		28s ✓	4489	1956	X	11	26		s5c	4800
1434	XII	18	25	0			4503							

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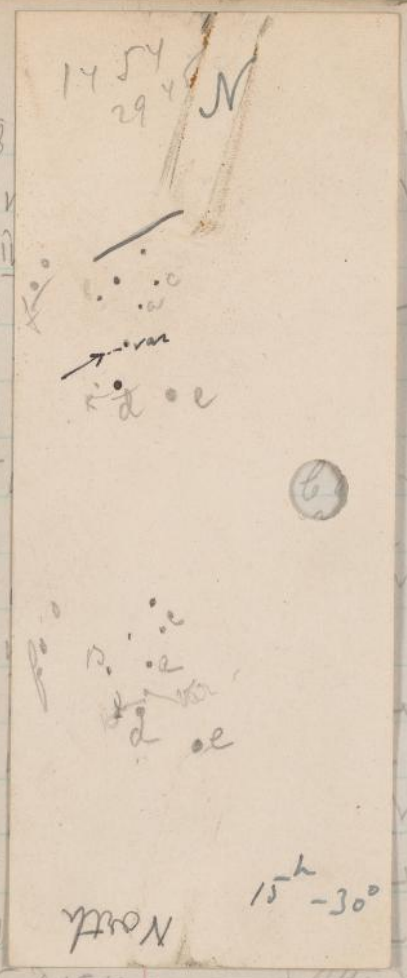
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24 -15h -45

		N	O	P	R	S	T	
1789	VII 16 26	a7d	b5a	0	c26	a1b	b1a	713
1772	VIII 26 924	<b	=b	=2f	d1c	d8e	b1a	024
550	V 24 924	b7a	f5a	0	c1b	=a	b1a	3930
1221	VII 17- 925	=k1b	b6a	d5f	c26	e8a	b1a	349
1609	V 7/18 926	k5b	b9a	c2d	c1b	a2b	b1a	643
1573	IV 7/8 17-18.926	k1b	=a	b8c	c1b	a1b	b1a	620
1060	V 18-19 925	d4f	b8a		c26	a1b	b1a	389
1273	VIII 11-12 925	k1b	b6a	=b	c26	a1b	b1a	374
607	VII 22 924	<b	b9a	0	c1b	=a	b1a	959
1136	VI 11-12 925	d2f	b6a	c3d	c26	a1b	b1a	313
639	VII 27 924	=k	b8a	0	c26	a1b	b1a	964
1085	V 25-26 925	d3f	=a	0	c26	e7a	b1a	296
873	IV 24 924	=d	b3a	0	c1b	d8e	b1a	900
503	V 3 924	a7d	=a	0	=c	e5a	b1a	909
1613	V 8-9 926	k5b	b8a	b8c	c3b	=a	b1a	644
1664	V 31-VI-1-26	a5d	b5a	=b?	c1b	e7a	b1a	607
1670	VI 2-3 926	a6d	=a	=b?	c3b	e5a	b1a	669
1689	VI 11-12 926	a9d	b6a	0	c3b	e4a	b1a	678
1726	VII 1-2 926	d2f	b2a	0	c1b	a1b	b1a	699
1835	VIII 11-12 926	k7b	b5a	0	c26	a1b	b1a	739
1873	IX 3-4 926	k1b	b3a	0	c26	e9a	b1a	762
15 28 50.00								
1753	VII 9-10 926	d1f	b6a	0	c3b	e8a	b1a	4706
1759	VII 10-11 926	=d	b1a	0	c3b	=a	b1a	4707
1780	VII 15-16 926	a9d	b9a	0	c1b	e5a	b1a	4712
1826	VIII 5-6 11		=a	0	c3b		b1a	4733
1230	VII 21-22 925		e7b	d5f	c1b	e5a	b1a	4353
1241	VII 23-24 11		=a	d1f	c1b	e3a	b1a	4355

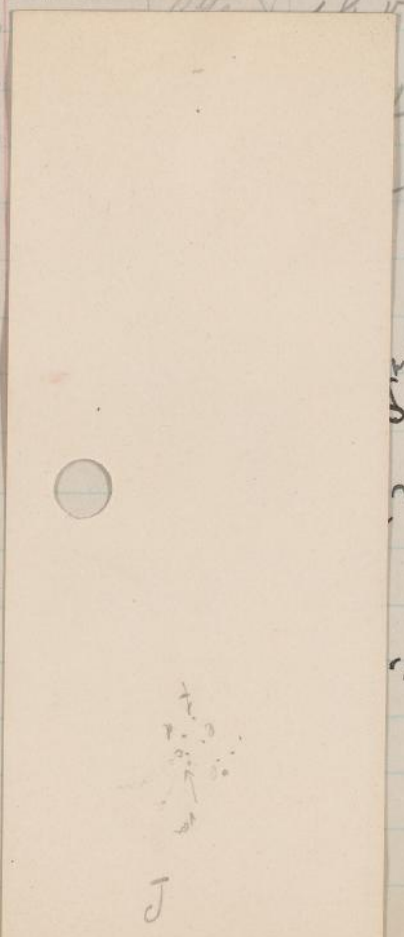
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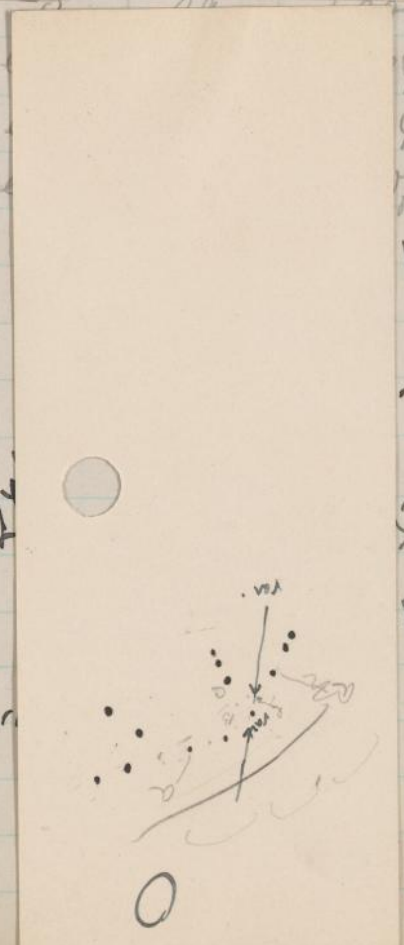
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1856	9	31.3	+49	46	9.07	24	2
	9	28.3	+49	58	8.9		
		+3.0		-12			

22049		30.9	+4	58	7.71	24	2
	9	28.5	+5	10	8.0		
		+2.4		-12			

1853	9	30.8	+49	44	8.32	24	2
	9	27.8	+49	56	8.7		
		+3.0		-12			

21209		31.3	+23	29	7.04	45	2

25

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1899phae.proj...0106

	N	O	P	R	S	T	
1248 VII 27-28	=c ✓	d2f? ✓	=c ✓	e9a	b1a	4359	
1278 VIII 12-13 925 "	b3a ✓	=b ✓	c26 ✓	a1b	=b	4375	
1565 IV 14-15 926	b7a	d3f	c26	e5a	a1a	~~4285~~	rab 4620
1596 V 4-5 926	b4a ✓	c5d ✓	c26	e4a	b1a	4640	
1646 V 17-18 "	b3a ✓	b8c	c36	e7a	b2a	4653	
1674 VI 3-4 "	b5a ✓	<b ✓	c26	e4a	b1a	4670	
1745 VII 7-8 "	b8a ✓	<b ✓	c16	e9a	b1a	4704	
483 IV 26-927	b3a ✓	O ✓	c16 ✓	=a ✓	b1a	3902	
526 V 12 "	=a ✓	O ✓	R1d ✓	e7a ✓	b5a	3918	
585 VI 4 "	b8a ✓	o ✓	~~c26~~ ✓	e3a ✓	b5a	3941	
620 VI 24 "	b8a ✓	O ✓	=c ✓	e4a ✓	b5a	3964	
681 VII 5 "	b8a ✓	O ✓	c16 ✓	e6a ✓	b1a	3972	
729 VII 29 "	b9c ✓	~~O~~ <b ✓	c36 ✓	e9a ✓	b2a	3996	
779 VIII 27 "	b8c ✓	=f ✓	c16 ✓	e7a ✓	b2a	4025	
1011 IV 3-4 925	b6a	O	c16	e3a	b1a	4244	
1055 V 15-16 "	b4a ✓	<b ✓	c26 ✓	=a	b2a	4296	
1079 V 23-24 "	e7b ✓	O ✓	c16 ✓	e3a	b1a	4294	
1240 VII 12-13 "	e8b ✓	d2f ✓	c16 ✓	e2a	b1a	4344	
1294 VII 25-26 "	e3b ✓	d8f ✓	c36 ✓	e8a	b1a	4397	

N = 14h 53m 43s
-29° 59' 2"

O = 15h 38m 38s
-43° 28' 0"

P = 23h 15m 27
-59° 5' 10

R = 14h 37m 36s
-56° 36' 4

S = 14h 16m 57s
-59° 24' 3

T =

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1899phae.proj...0006

26 1634 12h 14-15 60°

			D	O	P	R	S	T 61c	4850
482	IV	26	24	3902		0 ✓	e5a ✓	b1c	
511	V	6	24	3912		0 ✓		b1c	
530	V	13	24	3919		?	e8a ✓	b1c	
637	VI	27	24	3964		0 ✓	d7e ✓	b1c	
694	VIII	9	24	3976		0 ✓	d7e ✓	=6	
1018	IV	17	25	4258		=6 ?	e4a	b1a	
1040	V	12	25	4283		?	e7a	b1a	
1065	V	19	25	4290		?	e3a	b1a	
1103	V	29	25	4300 ✓		c6r	e8a	b1a	
1208	VI	27	25	4329 ✓		d5f	a1β	b1a	
1229	VIII	21	25	4353 ✓		d8f	a1b	b1a	
1240	VII	23	25	4355 ✓		=f	e5a	b1c	
1644	V	17	26	4653 ✓		b8c	a1f	β2a	
1673	VI	3	26	4670 ✓		=6	=a	b2a	
1702	VI	15	26	4682		c6v	=a	b1a	

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1899phae.proj...900G

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1899phae.proj..900G

		N	O
16	-300		
0	VII 30 924.	K 1c V	b1a V
513	V 6 924.	a 6d V	b7a V
663	VII 2 924	K 1c V	b1a V
786	VIII 28 924	K 3c V	b1a V
792	IX 4 924	La? V	b4a V
1048	V 14-15 925	d 5f	b5a V
1071	V 21-22 925	d 3f	b2a V
1145	VI 15-16 925	a 5d V	b5a V
1219	VII 16-17 925	= K V	b2a V
1263	VIII 7-8 925	K 1c V	b7a V
1302	IX 5-6 925	K 1c V	b2a V
1574	IV 17-18 926	K 1c V	b2a V
1601	V 5-6 926	K 4c V	b2a V
1632	V 13-14 926	= c V	b8a V
1638	V 15-16 926	= c V	b3a V
1683	VI 5-6 926	a 6d V	b8a V
1742	VII 6-7 926	= d V	b7a V
816	VIII 3-4 926	d 1d V	e7b V
1852	VIII 25-26 926	K 1c V	e7b
1885	IX 7-8 926	= K	b2a

N	O
	3967
	3912
	3969
	4026
	4033
	4285
	4292
	4317
	4348
	4370
	4399
	4628
	4641
	4649
	4651
	4672
	4703
	4731
	4753
	4766

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1899phae.proj...9GIG

	N	P	R (d1c?)	S	T	4650
12. 60.						
1634 V 14-15 1226.		c5d		c2d	b1a	
13.0 - 4580.			c1b.			
1788 VII 16-17		=b ✓	c1b	a1b	b1a	4713
472 IV 24 926 924		? ✓	c1b. ✓	e6a ✓	b1a	3900
597 V 8. "		b ✓	c1b ✓	e4a ✓	b1a	3914
623 VI 25 "		b ✓	c1b ✓	d1b ✓	b1a	3962
975 I 17-925		?	=c		b	4168
1019 IV 17-18 "		b	c1b ✓	e2a	b1a	4258
1077 V 23-24 "		?	c1b ✓	a1b	b1a	4294
1151 VI 16-17 "		c5d	c1b ✓	a1b	b1a	4318
1245 VII 25-26		=d	c1b ✓	a1b	b1a	4357
1572 IV 17-18 " 926		c8d ✓	c1b ✓	a1b	b1a	4628
1608 V 7-8 "		=c ✓	c1b ✓	e7a	b1a	4643
1637 V 15-16 "		b8c ✓	c1b ✓	e7a	b1a	4651
1663 V 31 VI 1		=b ✓	c2b ✓	=a	b1a	4667
1669 VI 2-3 "		=b	c2b ✓	d8e	b1a	4669
1718 VI 28-29 "		b	c1b ✓	e7a	b1a	4695
1725 VII 1-2 "		~~b~~	✓		✓	4698
1729 VI 2-3 "		b	c2b	d8e	b2a	4699
12 ½ 60.		~~b~~				
492 IV 26 24		~~b~~				

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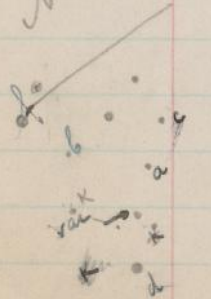
30

4 - 300 - N

491	IV	30	924	a 8 d	3906
525	V	12	924	a 2 d	3918
531	V	13	924	a 1 d	3919
606	VI	21	"	< a : (r b)	3958
638	VI	27	"	= r	3964
662	VII	2	"	r 1 b	3969
723	VII	26	"	= r	3993
746	VIII	4	"	= r	4002
1031	IV	29-30	925	= d	4270
1047	V	14-15	925	d 3 f	4285
1083	V	25-26	925	d 4 f	4296
1144	VI	15-16	"	a 9 d	4307
1201	VI	26-27	"	d a 1 d	4328
1218	VII	16-17	"	= r	4348
1262	VIII	7-8	"	r 2 b	4370
1569	IV	16-17	926	= r	4622
1600	V	5-6	"	r 5 b	4641
1631	V	13-14	"	b 5 a	4649
1679	VI	4-5	"	a 5 d	4671
1722	VI	30 VII 1	"	d 1 f	4697
1741	VII	6-7	"	d 1 f	4703
1815	VIII	3-4	"	= a	4731

15 - 150.

N



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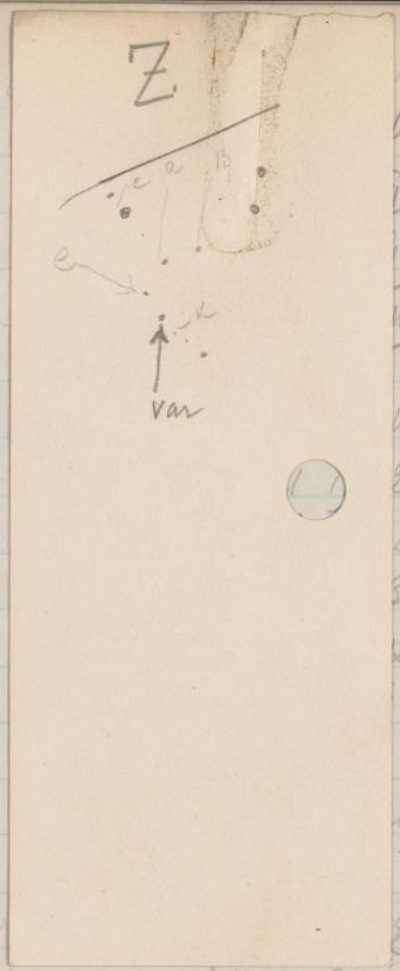
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30 - 45.00

1957 X 11-926 b1c ✓
1346 IX 19-19 b1c ✓
886 X 24-924 <e ✓
1954 VIII 27-19 =e ✓
1491 I 13-926 <e ✓
1902 IX 10-11 K3e ✓
1539 II 15 11 <e ✓
1404 XII 7 925 <e ✓
1455 XII 25 11 <e ✓
1864 VIII 31 926 =K ✓
951 XI 19 924 <a ✓
915 XI 1 11 <e ✓
810 IX 6 11 e1a ✓
784 VIII 27 11 e4a ✓

30.60.

1950 X 9 926 =b ✓ 4798
1880 IX 4 11 =K ✓ 4763
885 X 24-924 <a ✓ 4080
1339 IX 18-925 b1c ✓ 4412
1367 I 29 925 a1b ✓ 4433
1911 IX 15-926 K6e ✓ 4774
942 XI 15-924 <e ✓ 4435
1414 XII 10-925 <e ✓ 4495
1495 I 14 926 <e ✓ 4530
1448 XII 22 925 <e ✓ 4507
1513 I 22-926 <a ✓ 4538
1543 II 16 11 <e ✓ 4563
1861 VIII 30 11 =K? ✓ 4758
1992 XI 10 11 >B ✓ 4830



60

26-924 <e ✓ 3963
5 11 =a ✓ 3972
14-926 <e ✓ 4711
4 11 <e ✓ 4763
6 924 <e ✓ 4136
28 926 e2a ✓ 4887
28 925 e1a ✓ 4360
30 926 <e ✓ 4758
2-15 925 b1c ✓ 4406
924 <a ✓ 4081
11 e1a ✓ 4034
0 11 a5e ✓ 3997
925 e1a 4433
2 11 <a ✓ 4507
1463 5 926 <a ✓ 4521
1716 VI 21 11 <e 4688
1955 XI 11 11 b1c 4900

Z = 1h49m36s
-49°29'17"

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2758 15 53.7 +26 2 9.56 24 3

30 - 45.00

1957 X 11-926	b1c ✓	
1346 IX 19-13	b1c ✓	
886 X 24-924	⟨e ✓	
1954 VIII 27-19	=e ✓	
1491 I 13-926	⟨e ✓	
1902 IX 10-11	K3e ✓	
1539 II 15 11	⟨e ✓	
1404 XII 7 928	⟨e ✓	
1455 XII 25 11	⟨e ✓	
1864 VIII 31 926	=K ✓	
951 XII 19 924	⟨a ✓	
915 XI 1 11	⟨e ✓	
810 IX 6 11	e1a ✓	
784 VIII 27 11	e1a ✓	

30 - 60.

1980 X 9 926	=b ✓	4798
1880 IX 4 11	=K ✓	4763
865 X 24-924	⟨a ✓	4080
1339 IX 18-925	b1c ✓	4412
1367 X 9 925	a1b ✓	4433
1911 IX 15 926	K6e ✓	4774
942 XI 15-924	⟨e ✓	4435
1414 XII 10-925	⟨e ✓	4495
1495 I 14 926	⟨e ✓	4530
1448 XII 22-925	⟨e ✓	4507
1513 I 22-926	⟨a ✓	4538
1543 II 16 11	⟨e ✓	4563
1861 VIII 30 11	=K? ✓	4758
1992 XI 10 11	=B ✓	4830

60

VI 26-924	⟨e ✓	3963
VII 5 11	=a ✓	3972
VII 14-926	⟨e ✓	4711
4 11	⟨e ✓	4763
16 924	⟨e ✓	4136
28 926	e1a ✓	4787
28 925	e1a ✓	4360
30 926	⟨e ✓	4758
12-13 925	b1c ✓	4406
22 924	⟨a ✓	4081
5 11	e1a ✓	4034
30 11	a5e ✓	3997
925	e6a	4433
22 11	⟨a ✓	4587
1463 I 5 926	⟨a ✓	4521
1716 VI 21 11	⟨e	4688
1955 XI 11 11	b1c	4900

$\chi = 1^h 49^m 36^s$

$-49°29'7$

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1899phae.proj...9G

30 - 45.00 Star Z 0.60

1957 X 11 -926 b1c ✓	4800			
1346 IX 19-1[illegible] b1c ✓	4413	∠636 VI 26-924	∠c ✓	3963
886 X 24-924 ∠e ✓	4083	=686 VIII 5 "	=a ✓	3972
1254 VIII 27-19[illegible] =e ✓	4359	∠1788 VIII 14-926	∠e ✓	4711
1491 I 13-926 ∠e ✓	4529	1879 IX 4 "	∠e ✓	4763
1902 IX 10-" ∠3e ✓	4769	943 XII 16 924	∠e ✓	4136
1539 II 15 " ∠e ✓	4562	1921 IX 28 926	e?a ✓	4787
1404 XII 7 925 ∠e ✓	4492	1257 VII 28 925	e1a ✓	4360
1455 XII 25 " ∠e ✓	4508	1860 VIII 30 926	∠e ✓	4758
1864 VIII 31 926 =K ✓	4759	1327 IX 12-15 925	b1c ✓	4406
951 XII 19 924 ∠a ✓	4139	874 X 22 924	∠a ✓	4081
915 XI 1 " ∠e ✓	4091	802 IX 5 "	e1a ✓	4034
810 IX 6 " e1a ✓	4035	755 VII 30 "	a5e ✓	3997
784 VIII 27 " e4a ✓	4025	1366 X 9 925	e6a	4433
		1407 XII 22 "	∠a ✓	4507
30 - 60.		1463 I 5 926	∠a ✓	4521
1980 X 9 926 =b ✓	4798	1716 VI 21 "	∠e	4688
1880 IX 4 " =K ✓	4763	1255 X 11 "	b1c	4100
885 X 24-924 ∠a ✓	4080			
1339 IX 18-925 b1c ✓	4412			
1367 X 9 925 a1b ✓	4433			
1911 IX 15 926 K6e ✓	4774			
942 XII 15-924 ∠e ✓	4135			
1414 XII 10-925 ∠e ✓	4495			
1495 I 14 926 ∠e ✓	4530			
1448 XII 22-925 ∠e ✓	4507			
1513 I 22-926 ∠a ✓	4538			
1543 II 16 " ∠e ✓	4563			
1861 VIII 30 " =K? ✓	4758			
1992 XI 10 " >B ✓	4830			

Z = 1h49m36s
-49°29'7

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1899phae.proj...9099G

K additional

B stars

41694 VII 18 1910 b4c
37943 VIII 11 1907 b3e
36237 VII 21/905 = b
34734 VIII 20 04 b1c
32703 X 9 03 b2e
32035 VII 22 03 b1c
30853 VIII 31 02 b1c
30443 VIII 11 02 b2e
30324 VII 9 02 d2b
30224 VI 27 02 = d 5928
30125 VI 17 02 b2e
29981 VI 9 02 b1c
29771 V 17 02 b2e
27954 VII 23 01 b2e
27924 VIII 19 01 b2e
28516 IX 11 01 b3e
28022 VII 25 00 b2c
27537 V 29 01 b1c
26267 IX 21 00 b2e
25975 IX 4 00 d1a 5267
25753 VII 24 00 d9a (5225)
25749 VIII 23 00 b1c
25635 VI 27 00 b2e
24385 X 13 99 b2e
24292 X 2 " b1c
24220 IX 28 " b1c
23886 VIII 17 " b1c

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1899phae..proj..9G

23829 VIII 14 99 b i c
23549 VIII 8 „ b i c
23178 VII 26 „ b i c
22959 V 31 „ = b
22241 XI 19 98 b i c
20746 XI 16 97 b i c
18182 XII 2 96 b i c
17874 XI 12 96 b i c
13917 VIII 2 95 95 d — 3377
12180 IX 15 96 b 2 c
11249 V 22 94 d — 2971

3891 b i c

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1899phae.proj..9G0G

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1899phae.proj...9699G

20h +15°

27 + 11 992

R Sagittae

20640	X 22 1918	d8e	✓	10.17	1889
21831	IX 26 1919	g2h	✓	9.75	2298
7823	IX 18 1906	e3g	✓	10.00	4072
13100	IX 20 912	d3e	✓	10.35	9513
16268	III 14 915	b9c	✓	10.59	0571
16321	III 24 "	e3g	✓	10.00	0581
16456	V 11 "	d4e	✓	10.32	0629
16558	VII 4 "	e5g	✓	9.25	0683
16597	VII 17 "	d3e	✓	10.35	0696
16696	IX 2 "	d8e	✓	10.17	0743
16983	XI 13 "	e4g	✓	9.92	0815
17631	V 25 916	e2g	✓	10.03	1009
17711	VII 5 "	d7e	✓	10.43	1050
17889	IX 16 "	d2e	✓	10.39	1123
18660	III 13 917	e2g	✓	10.03	1301
18814	V 2 "	<E	✓	<10.56	1351
18951	VII 15 "	=b	✓	10.91	1425
19039	VIII 1917	=e	✓	10.09	(1442?)
19145	IX 16 907	b6c	✓	10.70	1488
19180	IX 22 "	b5c	✓	10.74	1494
19388	XI 4 907	e4g	✓	9.92	1537
19489	XI 24 "	d3e	✓	10.35	1557
20076	IV 26 918	a8b	✓	10.96	1710
20131	V 15 "	d8e	✓	10.17	1729
20245	VII 3 "	b6c	✓	10.70	1778
20262	VII 12 "	d5e	✓	10.28	1787
20331	VII 29 "	=g	✓	9.70	1804
20459	IX 3 "	b1e	✓	10.48	1840
20530	IX 27 "	g3h	✓	9.75	1864
20542	IX 29 "	g2h	✓	9.75	1866

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1899phae.proj...9690G

1581 VII 4 919	e 3 g	✓	10.00 ✓	2144 ✓
20690 XI 12 918	d 2e	✓	1039 ✓	1910 ✓
20734 XI 26 "	b1c	✓	1038 ✓	1924 ✓
21440 V 13 919	d 3e	✓	1055 ✓	2092 ✓
21633 VII 26 "	d 5c	✓	1038 ✓	2166 ✓
21672 VIII 7 "	e 9 g	✓	983 ✓	2178 ✓
20775 IX 4 "	a 8 e	✓	1036 ✓	2206 ✓
21848 IX 28 "	g 2 h	✓	975 ✓	2230 ✓
22507 II 29 1920	[c (63c)?	✓	[1056 ✓	2413 ✓
22648 V 18 1920	g 4 h	✓	970 ✓	2463 ✓
22721 VII 8 "	d 3e	✓	1055 ✓	2574 ✓
22811 IX 16 "	e 3 g	✓	10.00 ✓	2584 ✓
23043 XI 8 "	d 1e	✓	1045 ✓	2637 ✓
23092 XI 26 "	e 1 g	✓	1006 ✓	2685 ✓
939 VII 28 1900	[e	✓	[1006 ✓	15229
1080 XII 22 "	b1c	✓	1038	15376
1497 VI 3 1901	e 8 g	✓	976 ✓	15539
1541 VII 15 "	d 3e	✓	1055 ✓	15557
1762 IX 21 "	d 4e	✓	1052 ✓	15649
1791 IX 26 "	[e?	✓	[1056 ✓	15654 ✓
1797 IX 27 "	e 3c? of	✓	1081 ? ✓	15655 ✓
1911 X 26 "	d 7e	✓	1021 ✓	15684 ✓
1965 XI 7 1901	d 7e	✓	1021 ✓	15696
1993 XI 21 "	e 7 g	✓	989 ✓	15710
2022 XI 30 "	d 4 e	✓	1052 ✓	15719
2584 V 28 1902	d 8 e	✓	1087 ✓	15898 ✓
2697 VII 16 "	b 6c	✓	1030 ✓	15947
2722 VIII 2 "	g 3 h	✓	973 ✓	15964 ✓
2784 VIII 27 "	g 6 h	✓	965 ✓	15989
2897 X 14 "	e 9 g	✓	9.83 ✓	16037
2933 X 25 "	e 3 g	✓	10.00 ✓	16048

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1899phae..proj...9G

2992 XI 14	902	d 3e	c	1055	6068
2998 XI 15	"	e 1g ?	v	1006 ?	6069
3027 XI 29		d 1c	v	1058	16083
3708 V 31	903	e 1g	v	1006	6206
3775 VII 23		kg k	v	978	16319
3819 VIII 12		e 3g	v	1000	16339
3853 VIII 21		e 4g	v	989	6348
3862 VIII 24		d 4e	v	1052	16357
3908 IX 8		B 3c	v	1091	16366
3996 IX 26		e 5g	v	995	16384
4046 X 15	"	< c	v	< 1056	6403
4058 X 19		d 8e	v	1017	16407
4075 X 21		e 9g	v	1003	16409
4225 XI 19		a 9b	v	1033	16438
4274 XI 28		B 5c	v	1044	16447
4334 V 27	904	g 8k	v	960	16628
4981 VI 17	"	< b	v	< 1091	16649
5066 VIII 16	"	e 4g	c	992	16678
5071 VIII 17	"	e 3g	c	1000	16679
5145 VIII 15		d 3e	c	1055	6708
5209 VIII 30		< a ?	c	< 1114	16723
5230 IX 6	"	b 2c	c	1084	16730
5277 IX 22		d 4g	c	997	16746
5361 X 14		g 2k	c	975	16768
5366 X 15		g 3k	v	973	16769
5428 X 26	"	k 8e	v	1012	6780
5433 X 27		d 3e	v	1055	16781
5466 XI 1		d 1e	v	1043	16786
5537 XI 16		d 1e ?	v	1043 ?	6801
5552 XI 18		g 3k ?	v	975 ?	16803
6478 VI 30		g 1k	v	978	17027

1895

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1899phae.proj..900G

6500	VII 9	905	d 5e	10.28	17036
6508	VII 12	"	d 8e	10.07	17039
6599	VIII 16		B3e?	10.71	17074
6657	IX 6	"	g 3h	9.73	17095
6694	IX 14	"	d 5e	10.28	7103
6737	IX 26	"	d 6e	10.24	17115
6752	IX 28	"	d 8e	10.07	17117
6805	X 8	"	e 6g	9.92	17127
6999	XI 17		g 1k	9.78	17167
7091	XII 5	"	d 4e	10.21	17185
7107	XII 14		g 5h	9.68	7194
6511	VIII 24		g 3h	973 ~~10.00~~	7082
7624	VI 19	906	f e 3g	10.00	17381
7672	VIII 18	"	e 6g	9.92	17410
7705	VIII 14	"	<c	<10.55	17437
7770	IX 4	"	e 6g	9.92	17458
7825	IX 18	"	e 1g	10.06	17472
7840	IX 24	"	e 7g	9.89	7478
7907	X 12	"	=c	=10.55	17496
8012	XI 14	"	e 9g	9.83	17529
8518	V 22	1907	d 1e	10.43	7718
8552	VI 15	"	d 3e	10.35	7742
8653	VIII 4	"	<e	<10.09	7792
8704	VIII 18	"	e 8g	9.86	17806
8798	IX 26	"	d 3e	10.35	17845
8813	X 1	"	b 9c	10.59	17850
8859	X 11	"	<c	<10.56	7860
8898	X 21		e 3g	10.00	17870
8976	XI 9	"	e 3g	10.10	7889
9039	XII 2		d 6e	10.21	7912
9535	VI	908	d 2e	10.39	18103

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1899phae.proj...9699G

9590	VI 29	908	e 5g		9.95	18122
9627	VII 11	„	=d?	of	= 10.07	8134
9694	VIII 28	„	e 4g		9.97	8182
9730	IX 8	„	d 9e		10.13	8193
9813	X 13	„	g 7l		9.63	18228
9857	X 30	„	d 6e		10.24	18245
9866	X 31	„	d 7e		10.21	18246
9907	XI 13	„	g 8l		9.60	18259
9991	XII 5		g 6c		10.20	8281
10009	XII 8	„	b1c	v	10.18	18284
10465	IV 26	909	b5c	√	10.14	18423
10530	V 26	„	=e	√	10.09	18453
10581	VI 23	„	d 3e		10.35	18481
10668	VII 26	„	e 5g	√	9.95	18514
10670	VII 27	„	e 3g	√	10.00	18515
10750	VIII 25	„	e 3g	√	10.00	18544
10818	IX 17	„	< c	√	10.56	18567
10856	X 2	„	g 6l	√	9.65	18572
10894	X 8	„	e 3g	√	10.00	8299
10965	X 25	„	d 8e	√	10.17	18605
10976	X 28	„	d 3e	√	10.35	18609
10998	XI 3	„	e 3g	√	10.00	18614
11009	XI 5	„	e 2g	√	10.03	18616
11043	XI 11	„	d 6e	√	10.24	18622
11082	XI 27	„	b1c	√	10.18	18638
11085	XI 29	„	b3c	√	10.31	18640
11122	XII 6	„	e 3g	√	10.00	18647
11141	XII 9	„	g 3l	√	9.73	18650
11755	VII 5	910	d 2e	√	10.39	18858
11804	VII 28	„	d 8e	√	10.17	8881
11829	VIII 2	„	d 4e	√	10.21	8886

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1899phae.proj..9999G

11969	IX 29	910	e 3 g		10.00	18944
12074	X 31	"	d 1 e		10.43	8976
12126	XI 17	"	b 8 c		10.63	18993
12412	VII 30	911	g 9 2		9.57	9218
12419	VII 2	"	g 1 2		9.78	9220
12441	VII 9	"	d 4 e		10.32	9227
12459	VII 21	"	d 1 e		10.43	9239
12479	VIII 2		g 5 2		9.68	9254
12502	VIII 18		g b 8 c		10.63	19207
12561	IX 13	"	e 9 g		9.83	19293
12598	IX 30	"	g 2 2		9.75	19310
12631	X 10		g 3 2		9.73	19320
12701	XI 2	"	d 1 e		10.43	19343
12711	XI 3		b 8 c		10.63	19344
12739	XI 18		g 2 2		9.75	19359
12774	XII 4	"	d 3 e		10.35	19378
12806	XII 23		g 5 2		9.68	19394
13216	VII 8	912	g 1 2		9.78	19532
13222	VII 9	"	g 1 2		9.78	19533
13227	VII 19	"	e 1 g		10.06	9603
13302	X 6	"	d 1 e		10.43	19682
13390	X 28	"	g 3 2		9.73	9704
13410	XI 31	"	g 1 2		9.78	19707
13442	XI 5	"	e 3 g		10.00	19712
13533	XII 1	"	e 6 g		9.92	19738
14018	D 9	913	d 2 e		10.39	19897
14210	VII 25	"	d 2 e		10.39	19974
14216	VII 26	"	d 2 e		10.39	19975
14222	VII 27	"	d 3 e		10.35	19976
14240	VIII 4	"	e 1 g		10.06	19984
14287	VIII 19		c 8		10.56	19999

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1899phae.proj...909G

14281	VIII 21	913	b1c	10.79	20001
14394	IX 25		=c?	=10.56	20036
14422	X 2		d1e	10.43	20043
14492	XI 1		b3c	10.71	20073
14528	XI 7		=d?	=10.47	0079
14618	XII 5		d6e	10.24	20107
15213	V 28	914	=c1d	10.55	20281
15275	VII 17		g4h	9.70	20301
15285	VI 21		e3g	10.00	20305
15310	VII 3		e1g	10.06	20317
15343	VII 21		e4g	9.97	20335
15397	VIII 24		g3h	9.73	20369
15403	VIII 25		g2h	9.75	20370
15442	IX 8		e3g	10.00	20384
15452	IX 10		e1g	10.06	20386
15510	IX 19		d2e	10.32	20395
15513	IX 20		d2e	10.32	20396
15569	X 3		d8e	10.07	20409

Am 19.53 +13.5

10017	VIII 2	914	d3e	10.35	0347
10679	VI 13	915	g1h	9.78	0662
10692	VI 17		e3g	10.00	0666
10961	VIII 8		b9c	10.59	0718
11015	VIII 17		g7h	9.63	0729
11348	X 8		b4c	10.77	0779
11357	X 10		b5c	10.81	0781
12073	VI 27	916	e3g	10.00	1042
12373	VIII 3		d9e	10.13	1101
12378	VIII 5	916	e3g	10.00	1102
14966	VIII 26	917	b1c	10.88	2198

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1899phae.proj...9899G

42 21.2 +17.00 # 2158+13.5

15414	VIII 13	9 20	d 3e	√	10.35 √ 2850 √
1c 78	X 28	1898	b1c	√	10.88 √ 14590
- 79	X 27	1898	2c	√	2 10.58 √ 590
88	X 31	"	b2e	√	10.84 √ 14594
359	VIII 31	1899	d7e	√	10.21 √ 14839
392	VIII 14	"	b1c	√	10.88 √ 14881
470	X 7	"	e3g	√	10.00 √ 14935
594	XII 15	"	d5e	√	10.38 √ ~~5369~~ 004
# 16424	IV 21	905	d8e	√	10.07 √ 20609
16642	VIII 11	"	d3e	√	10.35 √ 20721
17125	XII 16	"	b8e	√	10.63 √ 20848
17450	VI 4	906	e9g	√	9.83 √ 21019
17748	VIII 7	"	d3e	√	10.35 √ 21077
17774	VIII 13	"	e3g	√	10.00 √ 21089
18003	X 11	"	d1e	√	10.83 √ 35 ~~2782~~ √ 148
18054	X 26	"	e3g	√	10.00 √ 21163
18225	XII 13	"	a9e	√	10.93 √ 21211
19032	VIII 18	907	d8e	√	10.07 √ 21459
19602	XII 15	"	g3k	√	9.73 √ 21578
20131	VI 12	908	e4g	√	9.92 √ 21787
20384	VIII 18	"	e5g	√	9.95 √ 21824
20553	X 1	908	g2k	√	9.75 √ 21868
20830	XII 18	"	g1k	√	9.78 √ 21946
21346	IV 14	909	2d:d	√	< 1047 √ 2083 √
21366	IV 21	"	d8e	√	1017 √ 20790 √
21497	VI 2	909	e8g	√	9.86 √ 2112 √
21558	VI 25	"	2c	√	< 1056 √ 22185
21678	VIII 8	"	g3k	√	9.73 √ 22179
21725	VIII 22	"	c2d	√	10.54 √ 22193
21909	X 17	"	g2k	√	9.75 √ 22249
21951	X 28	"	d3e	√	10.35 √ 22260

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1899phae.proj...0000G

am 21.02 +15.3

22683	VI, 19	20. e 2g	✓	10.03 ✓	2495 ✓
22986	X 15	„ d 1 d	✓	10.43 ✓	2613 ✓
23115	XII 8	„ e 1 g	✓	10.06 ✓	22607
23174	XI 24	„ e 4 g	✓	9.97 ✓	2683 ✓
am 38	VIII 1	1899 d 2e		✓ 10.39 ✓	4868
54	VIII 3.	1899 d 1 e		✓ 10.43 ✓	~~4890~~ 4870
103	VIII 21	„ b 1 c ? of		✓ 10.88 ? of	4888
192	VIII 26	„ e 3 g	~~of.~~	✓ 10.00 ✓	14893
195	X 4	„ e 3 g		✓ 10.00 ✓	4932
218	X 13	„ d 1 e		✓ 10.43 ✓	14941
283	X 17	„ d 1 e		✓ 10.43 ✓	14945
518	VI 27	1900 d 1 e		✓ 10.43 ✓	5198 ✓
542	VII 23	„ d 1 e		✓ 10.43 ✓	15224
600	VII 30	„ d 6 e		✓ 10.24 ✓	15262
862	VI 20	901 d 3 e		✓ 10.35 ✓	15556
871	VI 21	„ d 2 e		✓ 10.39 ✓	15557
890	VI 25	„ e 3 g		✓ 10.00 ✓	15561
950	VIII 2	„ b 1 c		✓ 10.43 ✓	5599 ✓
974	VIII 9	„ g 2 h		✓ 9.75 ✓	5605 ✓
1003	VIII 22	„ e 2 g		✓ 10.03 ✓	15619
1102	X 31	„ d 8 e		✓ 10.07 ✓	15689
1302	VI 4	902 d 4 e		✓ 10.32 ✓	15905 ✓
1338	VI 11	„ d 6 e		✓ 10.24 ✓	15912
1347	VI 12	„ d 9 e		✓ 10.07 ✓	15913
1375	VI 17	„ ~~d 4 e~~		✓ 9.54 ✓	15918
1634	X 10	„ g 2 h		✓ 9.75 ✓	16033
1905	X 4	903 g 2 h		✓ 9.75 ✓	16239
1984	VI 1	„ = e		✓ = 10.09 ✓	16267
2036	VI 15	„ d 6 e		✓ 10.24 ✓	6271 ✓
2066	VI 23	„ c 5 d		✓ 10.52 ✓	16289
2147	VIII 11	„ e 3 g		✓ 10.00	16338

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1899phae.proj..gpg

193 VIII 12-903	e 2g		10.03	16339
300 X 8 "	d 7e		10.21	16396
2583 IV 23 904	e 8g		9.96	16594
2664 V 19 "	d 9e		10.13	16620
2672 V 23 "	e 3g		10.00	16624
2729 VI 7 "	d 5e		10.28	16639
2774 VI 22 "	a 3e		11.07	16654
2849 VII 20 "	e 3g		10.00	16682
2876 VII 28	d 9e		10.13	16685
2908 VIII 2 "	e 9g		9.83	16695
2968 VIII 13 "	c 8d		10.49	16712
2991 VIII 31 "	a 9b		10.93	16724
3044 IX 17 "	g 5h		9.68	16741
3083 IX 28 "	d 2e		10.39	16753
3106 X 3 "	d 4e		10.32	16757
3592 VI 4 905	c 5d		10.52	17001
3670 VI 24 "	g 5h		9.68	17021
3721 VIII 12 "	e 4g		9.97	17039
3765 VIII 8 "	d 5e		10.28	17066
3895 IX 18 "	e 1g		~~10.06~~ 10.17	17107
3906 IX 21 "	d 2e		10.39	17110
3913 IX 28 "	e 2g		10.03	17117
3929 X 5 "	g 8h		9.60	17124
3954 X 16 "	d 8e		10.17	17135
4192 IV 28 906	e 4g		9.97	17329
4253 V 23 "	b 7e		10.07	17354
4295 VI 9 "	e 3g		10.00	17371
4306 VI 13 "	e 6g		9.92	17375
4396 VII 12 "	e 3g		10.00	17404
4458 VIII 6 "	b 2e		10.84	17429
4590 VIII 28	e 6g		9.92	17446

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4537	VIII 25	906 e 3g	10.00	17448
4573	IX 14	e 4g	9.97	17469
4603	X 5	d 2e	10.39	17489
4652	X 18	906 2c	<10.58	17502
4656	X 20	a 8b	10.96	17504
4697	XI 16	e 5g	9.95	17531
4855	XII 22	907 b 6c	10.70	17718
4898	VI 3	g 4h	9.70	17730
4929	VI 18	d 3e	10.35	17745
4948	VI 29	d 8e	10.07	17756
4973	VII 3	h 1i	9.49	17760
4990	VII 10	g 4h	9.70	17767
5053	VII 11	e 1g	10.06	17799
5057	VII 13	g	9.80	17801
5088	VII 19	g 1h	9.78	17807
5091	VII 25	g 1h	9.78	17813
5149	IX 16	e 9g	9.83	17835
5186	X 6	b 3c	10.81	17855
5200	X 15	a 8b	10.96	17864
5404	IV 23	908 e 1g	10.06	18055
5509	V 29	e 3g	10.00	18091
5589	VI 2	g 8h	9.60	18114
5611	VI 28	g 4h	9.70	18121
5653	VII 9	d 2e	10.39	18132
5714	VII 2	h 3i	9.38	18156
5727	VIII 4	g 9h	9.57	18158
5781	VIII 30	g 3h	9.73	18184
5838	IX 17	d 2e	10.39	18202
5850	IX 22	c 4d	10.52	18207
5871	X 15	h 2i	9.43	18230
5888	XI 3	e 1g	10.06	18249

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× 21.02 – 14.5

6289 VII 25 909	d5e	V		10.28	18483	
6369 VII 17 "	d4e	V		10.32	18505	
6407 VII 24 "	g6h	V		9.65	17512	
6435 VIII 4 "	e2g	V		10.03	17523	
ac 6447 VII 14 905	<c	V		< 10.56	17011	ac
am 6477 VIII 16 909	e8g			9.86	17535	am
6499 VIII 21 "	g6h			9.65	18540	
6662 X 12 "	e5g			9.95	17592	
6669 X 13 "	e2g			10.03	17593	
6728 X 30 "	g2h			9.75	17610	
6755 XI 2 "	g2h	V		9.75	18613	
6938 XI 27 910	e2g	V		10.03	18819	
7024 VII 14 "	c6d			10.54	18837	
7036 VII 25 "	b1c			10.88	18848	
7048 VII 29	<c			< 10.56	18852	
7092 VIII 7 "	e9g			9.83	18860	
7132 VIII 14 "	e2g			10.03	18867	
7183 VIII 1 "	d3e			10.35	8875	
7209 VIII 2 "	d2e			10.39	8886	
7219 VIII 24 "	d1e			10.43	18908	
7284 VIII 29 "	b8c			10.63	18913	
7293 IX 10 "	b5c			10.81	18925	
7609 VIII 28 94	a9d	V	√	0.48	19241	
7662 VIII 5 "	e8g	V		9.86	19254	
7694 VIII 16 "	d1e	V		10.43	19265	
7783 IX 19 "	e3g	V		10.00	19299	
7804 IX 21 "	e1f	V		10.06	19307	
7995 X 18 "	e2g	V	2	10.09	19328	
9328 VI 11-912	e1g	V		10.06	19578	
9378 VI 21 "	e3g	V		10.00	19575	
9405 VII 6	e1g	V		10.06	19590	

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				19.04 + 15.0	19.9 + 18.9
8425	VII 9	9 12	e 7g	9.89	19593
8481	VII 18	"	e 6g	9.92	19602
8525	VIII 2	"	= d	= 10.47	19617
8562	VIII 17	"	< e	< 10.09	9632
ac 8596	VII 8	9	g 2h	9.75	17765
am 8631	IX 12	9 12	< e	< 10.09	9658
8662	IX 21	"	g 3h	9.73	9667
8671	21	"	d 4e ? vf	10.32 ? vf	9677
9001	VII 3	9 13	d 1e	10.43	9922
9111	VII 25	"	d 4e	10.32	9944
9199	VII 10	"	d 1e	10.43	19959
9284	VII 23	"	d 2e	10.39	9972
9258	VII 26	"	d 2e	10.39	9975
9287	VII 31	"	e 3g	10.00	9980
9339	VIII 9	"	e 2g	10.03	9989
9435	IX 8	"	e 9g	9.83	20019
9583	X 25	"	< e	< 10.09	0066
10003	VII 28	9 14	d 5e	10.28	0342
10800	VII 13	9 15	d 8e	10.17	20632
10828	VII 16	"	d 2e	10.39	20695
10915	VII 30	"	b 1c	10.88	20709
ac 10982	X 29	9	e 3g	10.00	17809
am 11097	IX 7	9 15	d 9e	10.13	20748
11130	IX 11	"	e 3g	10.00	0752
11905	VII 9	16	e 3g	10.00	1015 ?
ac 13438	XI 4	9 12	g 1c	9.78	19711
ac 94	XI 1	1898	< c	< 10.56	4595
346	VI 9.	1899	< c	< 10.56	4815
9041	VII 4	9 01	a 5d ! vf	10.52 vf	5723
9052	VII 5	"	c 8d	10.49	5724
9061	VII 6	"	b 6c	10.70	5725

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2069 XII	10 901	b1c	√	10.88	5729
2207 II	3 902	e3g	√	10.00	5784
2270 II	4 "	d1e? rf	√	10.43 rf	5785
2289 II	6 "	g5l	√	~~9.68~~ 9.73	5787
2305 II	9 902	d3e	√	10.35	5790
2346 II	10 "	c7d	√	10.50	5791
2341 II	15 "	b2c	√	10.74	5796
2305 II	20 "	<d rf	√	< 10.07 rf	5701
2356 II	20 "	<e-e'	<	10.91	5701
2396 III	6 "	g8l	√	9.60	5715
3056 XII	8 "	e2d rf	√	10.54	6098
13165 VII	8 912	d6e	√	~~10.24~~ 10.13	9562
13205 VII	5 "	e4g	√	9.97	9589
13211 VIII	6 "	d9e	√	10.13	9590
13259 IX	27 "	g2l ?	√	9.75	9673
13370 X	20 "	d9l? rf	√	10.13	9696
am 102 VIII	21 1899	c2d	√	10.54	4888
199 X	10 1899	d2e	√	10.21	4938
547 VII	24 1900	d2e	√	10.39	5225
861 VI	20 901	d2e	√	10.39	5556
1088 X	4 901	<c	√	< 10.56	5662
1641 X	11 902	g5l	√	9.68	6034
6031 IV	9 909	d2e	√	10.21	8406
6140 V	16 1909	g1l	√	9.78	8443
6191 V	30 "	d8e	√	10.07	8457
6200 VI	9 1909	e9g	√	9.83	8466
6224 VI	13 909	g1l	√	9.78	8471
6245 VI	18 "	e1g	√	10.06	8476
6280 VI	23 "	d9e	√	10.13	8481
6321 VII	4 "	b1c	√	10.88	8495
6442 VII	25 "	g8l	√	9.73	8573

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1899phae.proj..900G

Am6483 VIII 4 309	= e	1 = 10.09	8523
6455 VIII 12 "	e 4g	9.92	8531
6510 VIII 14 "	g 3h	9.68	8533?
6631 IX 30 "	g 4h	9.70	8580
6632 X 3 "	g 6h	9.65	8583
6944 X 28 340	e 7g	9.89	8820
6963 X 31 "	e 6g	9.97	8823
6998 XI 5 "	d 4e	10.32	8828
7004 XI 7 "	d 6e	10.24	8830
7120 XII 12	e 4g	997	8865
7148 XII 25 "	d 3e	10.35	8878
7196 VIII 8 "	g 1h	9.78	8892
7205 VIII 13	g 1h	9.78	8897
7218 VIII 24 "	d 1e? rb	10.43	8908
7283 VIII 29 "	2c	< 10.56	8913
7615 VII 24 911	2d	< 10.07	9242
7661 VIII 5 "	g 2h	975	9254
7774 IX 18 "	e 2g	10.03	9298
7827 IX 24	e 2g	10.03	9304
7854 X 9 "	e 9g	9.83	9319
8257 X 25 912	d 1e? rf	10.43	9548
8337 XI 13 "	e 9g	9.78	9587
8374 XI 21 "	e 8g	10.06	9575
8418 XII 8 "	g 2h	9.75	9592
8433 XII 10 "	g 3h	9.73	9594
8495 XII 20 "	e 1g	10.06	9604
8593 XII 2 "	c 3h	048	9617
8582 XII 31 "	e 8g	9.86	9646
8954 I 26 913	e 4g	9.97	9914
9013 II 5 "	= d	= 10.47	9924
9069 II 12 "	b 2e	10.84	9931

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Cm 9100 VI 24	9h	d 5e		10.28		9943
9109 VI 25 "		d5e		10.28		9944
9286 VII 31 "		e4g		9.97		9980
9312 VIII 6 "		d7e		~~10.21~~	10.17	9986
9320 VIII 7 "		e2g		10.03		9987
9397 IX 3 "		d2e		10.43		0014
9555 X 6 "		d9e		10.13		0047
9560 X 7 "		e8g		9.86		~~4113~~ 0048
11297 IX 29 '95		d3e	V	10.35		0769
20h +30°				~~10.00~~		~~4471~~
ac 13 VI 30 1898		e3g		10.00		4471
" 12 VI 30 "		e10		10.06		4471
418 IX 5 1899		e7g		9.89		4903
502 XI 6 "		e8g		9.86		14985
861 V 21 900		b1c		10.88		5161
918 VII 9 "		e8g		9.86		5210
1016 IX 28 "		d6e		10.24		5288
1954 XI 4 901		d2e		10.13		15693
2372 V 21 902		d6e		10.24		5891
2655 VI 19 "		h1i		9.49		5920
2678 VII 10 "		b5c		10.81		5941
2738 VII 12 "		d5e		10.28		5974
2772 VII 23 "		e5g		9.95		5985
2791 VII 29 "		g6k		9.65		5991
2838 IX 14 "		d4e		10.32		6002
2866 X 2 "		g1k		9.78		6030
2889 X 10 "		g9k		9.68		6033
2895 X 12 "		e3g		~~10.00~~	9.92	6035
2924 X 22 "		e2g		10.03		6045
2978 XI 7 "		e9g		9.83		6061
3404 VII 6 " 903		e2g		10.03		6180

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1899phae.proj..gpG

3675	V 23	903	d 3e	10.35	6218
3730	VI 23	"	d 1e	10.43	6289
3767	VII 15	"	e 4g	9.97	6311
3879	IX 2	"	d 1e	10.43	6360
4009	IX 29	"	e 3g	9.95	6387
4031	X 6	"	e 2g	10.03	6394
4149	XI 1	"	d 9e	10.13	6429
4286	XI 25	"	a 5e	11.03	6444
4293	XII 1	"	d 2e	10.17	6450
4739	III 12	904	e 5g	9.95	6552
4756	III 16	"	g 2k	9.75	6556
4913	V 16	"	~~g 2e~~	= 10.09	6617
5033	VII 2	"	d 8e	10.17	6664
5072	VII 18	"	e 2g	10.05	6680
5112	VII 30	"	e 3g	10.00	6692
5117	VII 31	"	d 9e	10.13	6693
5182	VIII 26	"	a 1c	10.38	6719
5235	IX 17	"	d 1e	10.43	6731
5303	IX 30	"	d 5e	10.29	6754
5330	X 4	"	d 3e	10.35	6758
5384	X 17	"	e 3g	10.00	6771
5396	X 20	"	d 8e	10.17	6774
5495	XI 8	"	b 9c	10.59	6793
5532	XI 15	"	d 8e	10.17	6800
5649	XII 2	"	e 4g	9.92	6817
6341	V 1	905	d 2e	10.13	6967
6350	VII 26	"	g 1k	9.78	7053
6640	VIII 29	"	e 2g	10.03	7087
6685	X 13	"	e 2g	10.03	7102
6892	X 26	"	b 3c	10.81	7145
7618	VI 15	906	g 1k	9.78	7377

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7669	VII 17	906	g 2k	V	9.75	7409
7733	VIII 19	"	d 7e		10.21	7442
7788	IX 5	"	e 3g		10.00	7459
7795	IX 6	"	e 3g		10.00	7460
7916	X 13	"	b 3e		10.31	7497
7993	XI 8	"	g 8k		9.60	7523
8005	XI 25	"	f e 1g		10.06	7540
8018	XII 2	"	e 5g		9.95	7547
8045	XII 19	"	d 4e		10.32	7564
8549	VI 12	907	d 9e		10.13	7739
8634	VIII 14	907	e 4g ? f		9.97	7802
8889	X 18	"	b 8c		10.63	7987
9035	XII 15	908	d 1e		10.43	8138
9070	VIII 20	"	d 9e		10.13	8174
9278	X 3	908	e 8d		10.49	8218
9298	X 7	"	d 3e		10.35	8252
9304	X 12	"	e 8g		9.86	8227
9396	XI 12	"	g 7k		9.63	8288
9460	XI 27	"	d 1e		10.43	8273
10049	XII 14	"	b 7c		10.67	8290
10515	V 20	909	e 7g		9.89	8447
~~10632~~	~~VIII 14~~	"	< d		< 10.47	8533 ?
10702	VIII 10	"	e 2g	c	10.03	8529
10843	IX 29	"	g 3k	c	9.73	8579
10909	X 12	"	f e 1g	c	10.06	8592
11016	XI 6	"	e 3g		10.00	8607
11074	XI 26	"	< c (b 1c) ;		< 10.56	8637
11096	XI 30	"	b 4c		10.27	8641
11109	XII 4	"	d 6e		10.24	8645
11686	V 29	910	e 2g ? f		10.03	8821
11915	VII 30	"	d 5e		10.28	8883

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11869 VIII 20.	9.10	d 2e			10.21	8904
11940 IX 20.		e 8g			9.95	8935
11946 IX 22.		e 8g			9.83	8937
11954 IX 23.		e 2g			10.05	8938
11994 X 4.		d 2e			10.07	8949
12406 VI 29.	9.11	g 8l			9.60	9217
12455 VIII 19.		b 2e			10.07	9237
12492 VIII 14.		d 2e			10.07	9263
12514 VIII 20.		b 2e			10.09	9269
12554 IX 12.		e 8g			9.86	9292
12754 XI 27.		e 8g			9.96	9368
13085 IV 10.92		d 2e			10.13	9503
13195 VII 3.		d 3e			10.35	9587
13212 VII 6.		e 1g			10.06	9590
13226 VII 19.		e 3g			10.00	9603
13246 IX 22.		g 2l			9.75	9668
13281 X 2.		d 3e			10.35	9678
13319 X 8.		< d			< 10.07	9694
13357 X 18.		= b : 7b.			= 10.91 : 7b	9694
13399 X 29.		g 2l			9.75	9705
13427 XI 3.		e 8g			9.86	9740
13544 XII 3.		e 8g			9.92	9740
14097 VI 17.98		< e			< 10.56	9936
14184 VII 16.		d 1e ?			10.43	9965
14195 VII 21.		d 1e			10.43	9970
14201 VII 22.		d 1e			10.45	9971
14299 VIII 25.		< e			< 10.56	0005
14357 IX 10.		e 3g			10.00	0021
14428 X 5.		d 2e			10.21	0046
14499 XI 3.		b 1e			10.88	0075
14595 XI 25.		= e			= 10.29	0097

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14609 XII 3 913	d 6e	v	10.24	0105
15236 VII 23 914	d 9e	v	10.13	0307
15337 VII 26 "	e 3g	v	10.00	0334
15391 VIII 28 "	e 4g	v	9.87	0368
15416 VIII 30 914	l 2	v	9.49	0375
15422 VIII 31 "	g 6 l	v	9.15	0376
15441 IX 8 "	e 4g	v	9.89	0384
15448 IX 9 "	e 4g	v	10.06	0385
15474 IX 14 "	d 8e	v	10.17	0390
15482 IX 15 "	d 7e	v	10.21	0391
15486 IX 17 "	d 7e	v	10.21	0393
15512 IX 20 "	d 8e	v	10.07	0396
15561 X 2 "	e 4g	v	9.89	0408
15595 X 10 "	d 5e	v	10.43	0416
15710 XI 28 "	d 9e	v	10.13	0460
16400 IV 13 915	e 3g	v	10.00	0601
16648 VIII 13 "	e 6g	v	9.92	0723
16884 X 25 "	d 5e ? o.f.	v	10.28	0796
17059 XII 1 "	e 3g	v	10.00	0833
17866 VI 21 916	d 8e	v	10.07	1036
17820 VIII 28 "	e 3g	v	10.00	1104
17963 X 3 "	l c	v	2 10.56	1140
18026 X 17 "	e 4g	v	9.89	1154
18302 XII 14 "	l c	v	< 10.56	1212
18361 XII 29 "	g 1 l	v	9.78	1227
18809 IV 29 917	l c	v	< 10.56	1348
18895 VI 17 "	e 8g	v	9.86	1397
19027 VIII 12 "	d 8e	v	10.07	1453
19050 VIII 25 "	g 1 l	v	2 9.80	1466
19230 X 2 "	d 9g	v	9.86	1504
19242 X 4 "	g 8 l	v	9.65	1506

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⊕ 20.52 +29.5 × 20.56 +14.9

19279	X 14	907	d 2e	v	10.07	1516
19591	XII 12	"	g 7k	v	9.63	1575
20219	VI 19	918	e 84	v	9.92	1764
20383	VIII 18	"	e 29	v	9.97	1824
20389	VII 19	"	e 39	v	10.00	1825
21547	VI 11	919	d 2e	v	10.39	2121
21552	VI 22	"	< c	v	< 10.56	2132
21915	X 18	"	e 34	v	10.00	2250
22093	XII 10	"	g 7k	v	9.78	2303
22132	XII 20	"	d 6e	v	10.24	2313
22931	X 3	920	g 2k	v	9.78	2601
23146	XII 18	"	g 21	v	9.75	677
⊕ 938	IX 4	900	d 3e		10.35	15207
1572	VI 26	901	g 12	v	9.78	15562
× 1824	X 4	"	= 6t	v	= 10.21	15662
⊕ 1870	X 16	"	e 9g	v	9.83	15674
1957	XI 5	"	d 7e	v	10.21	15694
2000	XI 22	"	e 39	v	10.00	15711
2043	XII 4	"	d 4e	v	10.32	723
2968	XI 2	902	e 9g	v	9.83	16056
3931	IX 13	903	< c	v	< 10.56	16371
5523	XI 14	904	d 6e	v	10.28	16799
6764	X 3	905	g 5k	v	9.68	122
6977	XI 15	"	g 2k	v	9.75	17161
16560	VII 5	915	g 3k	v	9.73	20684
16609	VII 24	"	< c	v	< 10.56	20703
16697	IX 2	"	= k	v	= 9.54 83	20743
16762	IX 22	"	d 6e	v	10.24	763
16787	IX 28	"	d 7e	v	10.24	20769
16929	XI 3	"	d 6e	v	10.24	20805
17471	VII 31	916	d 3e	v	10.35	20954

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17632	V 25	916	e 7y	✓	9.89 ✓	21009
17712	VII 5	"	d 7e	✓	10.21 ✓	21050
17845	IX 2	"	e 9y	✓	9.83 ✓	21109
17951	IX 28	"	< d	✓	< 10.47 ✓	21135
18126	XI 7	"	e 7y ?	✓	9.97 ✓	21175
18228	XI 22	"	d 9e	✓	10.13 ✓	21190
18700	III 22	917	d 1e	✓	10.43 ✓	1310
18989	VII 31	"	e 1y	✓	10.06 ✓	1441
~~19163~~	~~IX 19~~	"	~~d 1e~~	~~06~~ ✓	~~10.43~~ ✓	~~21421~~
19427	XI 9	"	g 1z	✓	~~9.94~~ ✓ 986	21542
19435	XI 11	"	d 7e	✓	10.21 ✓	21544
19491	XI 25	"	c 9d	✓	0.48 ✓	21558
20145	V 17	918	e 1y	✓	10.06 ✓	21731
20320	VII 14	"	e 9y	✓	10.03 ✓	21879
20526	IX 22	"	d 8e	✓	10.07 ✓	21859
20543	IX 29	"	g 9z	✓	9.75 ✓	21816
20764	XI 30	"	d 1e	✓	10.43 (10.45)	21928
21800	IX 13	919	d 5e	✓	10.28	22215
21832	IX 26	"	e 9y	✓	9.83	22228
22064	V 30	920	d 1e	✓	10.43	22075
22145	IX 2	"	g 2z	✓	9.75	22270
22300	IX 22	"	e 9y	✓	10.03	22590
23074	XI 17	920	e 8y	✓	9.86	22646
			19,58 + 0.5			
~~ac 52~~	~~X 31. 1898~~		d 5e	✓	10.28	~~4594~~
339	V 31	1899	< c	✓	< 10.56	4806
848	V 5	1900	g 2z	✓	9.75	5745 ✓
849	V 6	"	e 8y	✓	9.97	5746 ✓
916	VII 4	"	g 1z	✓	9.78	5208 ✓
1538	VI 13.	901	d 8e	✓	10.07	5549 ✓
1547	VI 16	"	d 4e	✓	10.32	5552 ✓

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1899phae.proj..gpG

1638 VIII 4-901	d 7e	/	10.21	5601
1694 VII 29,	< d		< 10.47	5626
1750 IX 16,	e 2g		10.03	5644
1849 X 19,	e 4g		9.97	5672
1921 X 29,	e 1g		10.06	5687
1931 X 31,	e 1g		10.06	5689
1947 XI 3,	d 2e		10.13	5692
2021 XI 30,	d 4e	√	10.32	5719
2594 X 30 902	= e	√	= 10.09	5900
2694 VII 8,	< c		< 10.56	5939
2905 X 17-91	g 3l		9.78	6040
2911 X 20,	e 5g		9.95	6043
2954 X 31,	e 4g		9.97	6054
3008 XI 21,	d 2e		10.39	6075
3612 X 10 903	e 1g	√	10.06	6245
3674 X 23,	= e		= 10.09	6258
3788 VII 27,	e 1g		10.06	6323
3796 VIII-1,	= e		= 10.09	6328
3861 VIII 24,	d 2e		10.13	6357
3995 IX 26,	g 1l		9.78	6384
4165 XI 4 905	d 2e		10.39	6423
4935 X 27-904	g 6l	√	9.65	6628
4945 VI 9,	d 1e		10.43	6641
5083 VII 20,	= e		10.09	6682
5116 VII 31-904	= e		10.09	6695
5130 VIII 9,	e 1g		10.06	6702
5136 VIII 11,	d 2e: sf		10.13	6704
5208 VIII 30,	< c		< 10.56	6728
5258 IX 17,	g 2l		9.75	6741
5302 IX 30	d 5e		10.28	6754
5344 X 7,	d 8e		10.17	6761

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5394 X 18 -904	e 2g	♩	10.03 ✓	6772 ✓
5483 X 30 "	d 8e ?	♩	10.28 ✓	6784 ✓
5604 XI 26 "	g 1h	♩	9.78 ✓	6911 ✓
5690 XII 9 "	d 2e	♩	10.21 ✓	6824 ✓
6334 IV 30 905	d 8e	♩	10.17 ✓	6966 ✓
6437 VI 13 "	d 1e	♩	10.43 ✓	7010 ✓
6467 VI 28 "	g 1h	♩	9.78 ✓	7028 ✓
6486 VII 4 "	g 1h	♩	9.78 ✓	7031 ✓
6494 VII 7 "	d 8g	♩	9.86 ✓	7054 ✓
6572 VIII 3 "	e 4g	♩	9.97 ✓	7061 ✓
6707 IX 22 "	d 1e	♩	10.48 ✓	7111 ✓
6904 X 8 "	g 2h	♩	9.75 ✓	7127 ✓
6978 X 28 "	b 3c	♩	10.81 ✓	7142 ✓
6990 XI 14 "	g 2h	♩	9.75 ✓	7164 ✓
7006 XII 4 "	h 1i	♩	9.49 ✓	7194 ✓
7057 VII 13 906	e 9g	V	9.83 ✓	7405 ✓
7221 VIII 17 "	2c	♩	2 10.56 ✓	7440 ✓
7287 IX 5 "	e 9g	♩	9.83 ✓	7459 ✓
7338 IX 24 "	d 8g	♩	9.86 ✓	7478 ✓
7392 XI 8 "	g 2h	♩	9.75 ✓	7523 ✓
7727 VIII 25 907	e 8g ? if	♩	9.98 ✓	7716 ✓
8088 XI 12 "	d 2e	♩	10.21 ✓	7892 ✓
8225 XII 14 "	= c	♩ =	10.56 ✓	7924 ✓ ? 7894
8587 VII 19 908	e 9g ? of	♩	9.83 ✓	8172 ✓
8626 VII " "	d 3e	♩	10.35 ✓	8134 ✓
8621 VIII 24 "	e 8g	♩	9.86 ✓	8182 ✓
8800 X 8 "	d 2e	♩	10.21 ✓	8228 ✓
8937 XII 12 "	2d	V	2 10.47 ✓	8288 ✓
8954 V 30 909	d 3e	V	10.13 ✓	8487 ✓
10629 VII 11 "	2d	V	2 10.47 ✓	8499 ✓
10635 VII 16 "	2d	V	2 10.47	8504 ✓

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1899phae.proj...9006

10666 VII 26 309	g l 2	~	9.78	8514
10817 IX 17 "	= d	~	= 10.47	8507
10901 X 9 "	= g	~	9.80	8589
10948 X 19 "	d 3 e	~	10.35	8599
10970 X 26 "	e 2 g	~	10.03	8606
10981 X 29 "	e 3 g	~	10.00	8609
11779 VII 11-900	g 1 2	~	9.78	8864
12407 VII 1-911	g l h	~	9.78	9219
12465 VII 22 "	e 3 d	~	10.48	9240
12549 IX 6 "	g 3 2	~	9.73	9286
12609 X 7 "	g 3 2	~	9.73	9307
13220 VII 9. 912	g l 2	~	9.78	9593
13301 X 6 "	d l e	~	10.48	9682
13448 XI 6 "	e 3 g	~	9.83	9713
13465 XI 10 "	e 3 g	~	9.92	9702
14125 VI 29-915	e 3 g	~	9.95	9948
14150 VII 6 "	d 2 e	~	10.32	9956
14157 VII 8 "	d l e	~	10.48	9957
14161 VII 10 "	d l e	~	10.48	9959
14208 VII 25 "	d 2 e	~	10.39	9974
14221 VII 27 "	d l e	~	10.48	9976
14442 X 21 "	d 2 e	~	10.39	0062
14491 XI 1 "	b 3 c	~	10.59	0073
14582 XI 22 "	= e	~	= 10.09	0094
15285 VI 2 914	2 c	~	< 10.56	0286
15291 VI 22 "	g 2 h	~	9.75	0306
15325 VII 18 "	g 4 2	~	9.70	0352
15351 VII 25 "	f e 3 g	~	10.00	0359
15369 VIII 15 "	b 1 3	~	10.88	0360
15375 VIII 17 "	c l d	~	10.55	0362
15401 IX 12 "	d l e	~	~~10.48~~ 10.35	0388

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1899phae.proj..9GG

15473	IX 14	"	d 9e		10.13	0390
15490	IX 16	"	d 3e		10.35	0392
15518	IX 21	"	d 8e		10.07	0397
15583	X 6		d 9e		10.13	0412
16596	IV 8	915	e 9g ? of.		983 ! 97	0596
16658	VIII 16	"	g 2h		9.75	0726
16819	X 9	915	< c		< 10.56	0780
17096	XII 11	"	c 9d		0.48	0843
17153	XII 22	"	< c		< 10.56	0854
17392	II 29	916	< c		< 10.56	0923
17607	II 21	"	d 9e		10.13	1036
17612	II 22	"	e 4g		9.92	1037
17629	II 25	"	e 3g		10.00	1038
17691	II 28	"	e 8g		9.86	1043
17754	VIII 2	"	e 2g		9.89	1078
18002	X 11	"	e 1g		10.06	1148
18034	X 18	"	g 5h		9.68	1155
18307	XII 16	"	g 6c		10.70	1214
19021	VIII 10	907	g 7h		~~9.65~~ 10.21	1457
19042	VIII 20	"	d 5e		10.28	1461
19058	VIII 26	"	g 2h		9.75	1467
19065	VIII 27	"	e 3g		10.00	1469
19088	IX 6	"	d 8e		10.07	1479
19259	X 3	"	g 8h		9.60	1505
19268	X 6	"	g 3h		9.75	1508
19284	X 7	"	g 4h		9.70	1509
19552	XII 6	"	< d		< 10.47	1569
20181	VI 8	918	g 8h		9.60	1753
20368	VIII 15	918	g 1h		9.78	1821
20574	X 7	"	e 3g		10.00	1874
21405	IV 30	919	g 2h		9.75	2079

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21112 V 2 919	d 2e	√	10.13		2071
21657 VIII 2 " 29		√	10.03		2073
21583 VII 2 " d		√	< 10.47		2112
21869 X 6 "	d 1e	√	~~10.45~~ 10.21		2288
22696 VI 25 925	g 1h	√	9.89		2501
22925 X 2 "	g 2h	√	9.75		2600
22973 X 13 "	d 8e	√	10.17		2611
23109 XII 7 "	d 7e	√	10.21		2666
23168 XII 24 "	d 3e	√	10.35		2683
am 16 VII 26 1899	d 8e	√	10.07		4862
30 VII 29 "	d 3e	√	10.35		4865
129 IX 1 1899	g 3h	√	9.73		4899
164 IX 27 "	g 2h	√	9.75		4925
181 IX 30 "	g 1h	√	9.78		4928
764 V 8.1900	d 6e	√	10.24		5148
535 VII 21 "	d 1e	√	10.43		5222
549 VII 24 "	d 1e	√	10.43		5225
624 IX 3 "	d 7e	√	10.21		5266
653 IX 13 "	d 8e	√	10.17		5276
801 V 22 1901	= d	√	= 10.47		5527
B11 V 27 "	g 1h	√	9.78		5532 (5532)
946 VII 25 "	a 9e	√	10.93		5591
1263 V 17 902	g 9h	√	9.57		5887
1288 V 28 "	g = e	√	= 10.09		5958
1416 VII 2 "	d 3e	√	10.35		5983
1462 VII 12 "	b 1c	√	10.88		5993
1540 IX 16 "	= d	√	= 10.47		6009
1590 IX 30 "	d 4e	√	10.32		6025
1630 XI 18 "	d 3e	√	10.35		6072
1920 V 6 903	g 6h	√	9.65		6241
1955 V 18 "	g = e	√	= 10.09		6253

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1899phae.proj..900G

1968	X 23	903	d 8e	< 10.24	6258
2120	VII 14	"	g 2h	9.75	6310
2133	VII 15	"	g 3h	9.73	6311
2161	VII 27	"	e 3g	10.00	6323
2220	IX 14	"	b 2e	10.14	6372
2289	IX 21	"	d 2e	10.13	6379
2591	X 25	904	g 2h	9.75	6603
2716	VI 4	"	d 2e	10.13	6636
2726	VI 7	"	d 1e	10.43	6639
2808	VII 5	"	= g	= 9.80	6687
2887	VII 22	"	= e	= 10.09	6684
3162	X 31	"	c 9d	0.48	6775
2925	VIII 5	1904	g 3h	9.73	6698
2953	VIII 17	"	d 1e	10.43	6710
3004	IX 2	"	< c ? of	< 10.58	6726
3011	XI 7	"	c 9d	0.48	6776
3507	X 10	905	g 2h	9.75	6976
3569	X 26	"	e 2g	10.03	6992
3600	XI 7	"	b 5e	10.14	7004
3656	VI 22	"	e 8g	9.86	7019
3706	VII 10	"	e 3g	10.00	7037
3729	VII 22	"	e 8g	9.86	7049
3795	VIII 17	"	d 1e	10.43	7075
3849	IX 6	"	g 9h	9.57	7095
3898	IX 19	"	d 3e	10.35	7108
3976	XI 16	"	g 7f	9.60	7166
4207	V 4	906	g 2h	9.63	7355
4220	V 29	"	b 1c	10.88	7360
4272	VI 2	"	b 2c	10.07	7368
4341	VII 10	"	d 8e	10.07	7402
4421	VII 21	"	e 8g	9.86	7413

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1899phae.proj...9699G

4433	VII 24	906	d6e	V	10.24	7446
4448	VII 30	"	d7e	V	10.21	7422
4487	VIII 10	"	b1c	V	10.88	7433
4541	VIII 27	"	g3l	V	9.73	7450
4548	IX 5	"	e3g	V	10.00	7459
4621	IX 11	"	c3d	V	10.83	7495
4671	IX 9	"	g5l	V	9.68	7524
4821	X 10	907	d1e	V	10.43	7706
4932	IX 20	"	d1e	V	10.48	7707
4942	IX 28	"	e1g	V	10.06	7755
4956	VII 1	"	e7g	V	9.89	7758
~~5016~~	~~VII 18~~	"	~~d6e~~	V	10.24	~~7713~~ 7713
5077	VII 17	"	g6l	V	9.78	7774
5116	IX 1	"	e4g	V	9.97	7820
5172	IX 24	"	d9e	V	10.13	7843
5179	IX 29	"	d2e	V	10.39	7848
5193	X 9	"	2c	V	10.56	7858
5403	IV 23	908	e1g	V	10.06	8055
5498	V 22	"	g6l	V	9.78	8089
5506	V 29	"	e8g	V	9.86	8091
5577	VI 18	"	e8g	V	9.86	8111
5664	VII 21	"	b1c	V	10.88	8144
5690	VII 26	"	b4c	V	10.77	8149
5731	VIII 5	"	g9l	V	9.52	8159
5793	IX 5	"	g2l	V	9.75	8190
5815	IX 13	"	d8e	V	10.17	8198
5849	IX 22	"	c4d	V	10.52	8207
6096	V 8	909	e3g	V	10.00	8435
6141	V 16	"	g1l	V	9.78	8443
6156	V 23	"	d9g	V	9.86	8450
6176	V 28	"	e3g	V	10.00	8455

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1899phae.proj..900G

6241	VI	17	909	e3g	10.00	8475
6253	VI	19	"	e5g	995	8492
6283	VI	24	"	d4e	10.32	8482
6336	VII	10	"	=b	=10.91	8498
6339	VII	11	"	b1c	10.88	8499
6350	VII	13	"	b3c	10.81	8501
6390	VII	21	"	g8h	9.60	8509
6406	VII	24	"	g7h	9.60	8512
6423	VII	28	"	g4h	970	8516
6471	IX	10	"	b9c	10.59	8560
6499	IX	18	"	<c	<10.56	8568
6514	IX	21	"	b1c	10.88	8571
6654	X	11	"	e4g	992	8591
6682	X	17	"	d8e	10.07	8597
6994	VI	3	910	e3g	10.00	8826
6991	VI	4	"	e2g	10.03	8827
7058	VII	1	"	<c	<10.56	8754
7091	VII	7	"	g1h	9.78	8810
7092	VII	8	"	g2h	9.75	8811
7122	VII	12	"	g1h	9.78	8815
7130	VII	13	"	e6g	9.92	8816
7178	VIII	2	"	d7e	10.21	8886
7207	IX	1	"	<c	<10.56	8916
7240	IX	8	"	<c	<10.57	8923
7287	IX	9	"	<c	<10.57	8924
7510	VII	18	911	<c	<10.57	9236
7583	VII	20	"	c5d	10.52	9288
7652	VIII	4	"	g4h	9.70	9253
7683	VIII	16	"	d1e	10.48	9265
7715	IX	18	"	e3g	10.00	9298
7803	IX	21	"	g1h	9.89	9307

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7863	♌13	911	e 9g	✓	9.83	9325
7984	♌20	„	d 3e	✓	10.35	9330
8207	♍27	912	b 4c	✓	10.17	9550
8380	♎22	„	e 2g	✓	10.03	9576
8408	♎6	„	e 5g	✓	10.00	9560
8441	♎11	„	g 1l ? rf	✓	9.78 !	9595
8480	♎19	„	e 2g	✓	10.03	9602
8533	♏3	„	b 6c	✓	10.20	9618
8593	♏3	„	d 8e	✓	10.17	9649
8622	♏10	„	d 3e	✓	10.35	9656
8661	♏21	„	g 3l	✓	9.75	9687
8726	♐18	„	< c	✓	< 10.56	9694
8990	♑28	913	d 8e	✓	10.17	9916
9049	♑10	„	< c	✓	< 10.56	9929
9110	♒25	„	d 2e	✓	10.39	9944
9177	♒7	„	d 1e	✓	10.48	9956
9206	♒12	„	d 1e	✓	10.48	9961
9210	♒13	„	d 1e	✓	10.48	9962
9292	♓1	„	e 2g	✓	10.03	~~0012~~ 9981
9398	♓3	„	d 2e ? rf	✓	10.39	0014
9458	♓17	„	d 6e	✓	10.24	0028
9561	♈7	„	e 3g	✓	10.00	0048
10120	♓13	914	d 7e	✓	10.21	0389
10799	♒13	915	d 7e	✓	10.21	0692
10807	♒14	„	d 5e	✓	10.28	0693
10814	♒15	„	d 3e	✓	10.35	0694
10923	♒31	„	< c	✓	< 10.56	0710
11104	♓8	„	d 9e	✓	10.13	0749
11791	♉24	916	d 8e	✓	10.17	0008
12153	♒7	„	d 1e	✓	10.43	0052
12210	♒9	„	b 1c	✓	10.88	0062

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1899phae.proj..gpG

+ 20.55 − 0.1

9278 VII 27 916	dd	9b	v	10.93	0772
12442 VII 27 "		e9g	v	9.83	1437
13449 VII 28 "		e8g	v	9.86	1438
14245 VII 31 918		=g	v	9.80	1806
14384 IX 7 "		c4d	v	10.52	1844
15027 IX 28 919		e4g	v	997	2230
15490 IX 13 920		e6g	v	992	2581
06250 IX 28 905		e2g	v	10.03	7117
12531 IX 1 917		e2g ? v.f.	v	10.03	9231
16098 IX 18 915		b9c	v	10.59	0636
16573 VII 9 "		e8g	v	9.86	0688
16755 IX 21 "		e10	v	10.06	0762
16953 XI 8 "		e4g	v	997	0810
17883 IX 14 916		e5g	v	10.00	1121
18124 X 7 "		d5e	v	1035	1144
18171 XI 15 "		g1h	v	9.78	1183
19390 XI 2 907		d7e	v	1021	1535
19389 XI 4 "		e3g	v	10.00	1537
20146 V 07 918		c1d	v	1035 (1055)	1731
21469 IX 25 919		e3g	v	10.00	2104
21592 VII 8 "		e6g ?	v	992	2148
21999 XI 14 "		<c	v	<10.56	2277
22899 IX 21 920		d8e	v	10.07	2589
am 29 VII 29 1899		d1e	v	10.48	0564 4865
am 1007 VIII 13 914		<c	v	<10.56	0364
10507 IV 26 905		g2h	v	9.75	0614
10672 VI 12 "		e8g	v	9.86	0661 (0661)
10950 VIII 3 "		<c	v	<10.56	0713
11008 VIII 16 "		=g	v	9.80	0726
11319 X 5 "		<d	v	<10.47	0776
11391 X 20 "		d3e	v	10.35	0794

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1899phae.proj...900G

20.58 + 30.5 ≠ 19.03 − 14.5

11401 X 30 -915	✓	e 8g	9.86	0801
12066 VI 24 916	✓	e 2g	10.03	1039
12074 VI 27 "	✓	e 8g	9.86	042
12098 VI 30 "	✓	e 1g	10.06	045
12359 VIII 22 "	✓	e 3g	10.00	1098
12374 VIII 25 "	✓	e 7g	10.06	1101
12997 IX 13 917	✓	d 7e	10.21	1332
13341 VIII 27 "	✓	g 1h	9.78	1468
14264 VIII 5 918	✓	d 7e	10.21	1871
14358 VIII 29 "	✓	d 8e	10.17	1835
14365 VIII 30 "	✓	d 3e	10.35	1836
14489 X 4 "	✓	e 3g	10.00	1871
05398 VIII 10 920	✓	d 1e	10.43	25407

21831 IX 26 -919		g 1h	9.78	
13427 XI 9 -907		e 8g	9.86	21542
16697 IX 2 -915		e 9g	9.83	
2989 II 6 902		g 3h	9.73	
9357 VI 13 -912		g 1h	9.78	
9312 VIII 6 -913		d 8e	10.17	
ac 6800 VII 9 -905		d 3e	10.35	17056
2895 X 12 902		e 6g	9.92	
10976 X 28 909		d 3e	10.35	18608
13165 VI 8 912		d 9e	10.13	
2905 X 17 902		g 1h	9.78	
11401 X 30 915		e 9g	9.83	
10817 IX 17 -909		-d	10.47	
14491 XI -1- 913		c 3d	10.53	
15291 VI 22 -914		g 2h	9.75	
15461 IX 12 "		d 3e	10.35	
19021 VIII 10 -917		d 7e	10.21	

970 obsns

960

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3002	X 11-916	e 1g	10.06	
1869	X 6 919	d 7e	10.21	
23168	XII 21-920	d 3e	10.35	
am 5077	VIII 17.907	g 1L	9.78	V
8408	VII 6 912	e 4g	9.97	
7803	IX 21-911	e 7g	9.89	
6614	IX 21-909	b 2c	10.84	
6423	VII 28 "	g 4L	9.70	
3895	IX 18 905	d 8e	10.17	17107
8323	VI 11 912	e 1g	10.06	
18003	X 11-916	d 3e	10.35	
21497	XI 2-919	e 9g	9.83	

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5/III. 5.08 - 41.6

R Pictures

am 210 X 114899	f 8 g	8.75		
AK 158 III 21 1903	f 5 g	9.69	8370	4939
" 169 III 8 "	f 8 g	9.29		8374
186 III 13 "	f 8 g	8.75		8379
505 IX 25 "	g 7 c	8.03		8575
556 X 23 "	g 8 i	7.97		8603
am 214 X 12, 1899	f 2 g	9.29		9940
298 X 14 "	f 2 g	8.89		4942
260 X 28 "	g 2 c	8.33		4956
354 XII 21 "	f 2 g	9.56		5010
359 XII 23 "	f 2 g	9.56		5012
373 II 24 1900	g 3 c	8.27		5075
665 IX 17 "	= g	8.45		5280
1120 XII 3 - 901	= c			5722
1609 X 6 1902	g 8 c	7.97		6029
1698 X 9 "	g 3 i	8.27		6032
1645 X 11	g 9 i	7.91		6034
1727 XII 1, "	g 1 i	8.39		6075
1741 XII 5 "	= g	8.45		6089
1753 XII 9 "	f 7 g	8.89		6093
1762 XII 22 "	= f	9.82		6106
1811 II 3 - 903	d 1 g	10.52		6149
2182 VIII 10 "	f 7 g	8.89		6337
2224 VIII 18 "	g 4 i	8.39		6345
2304 X 8 "	= c	7.84		6396
2352 X 14 "	= c	7.84		6402
2349 X 26 "	g 4 i	8.21		6414
2392 XII 9 "	g 4 c	10.91		6458
2412 XII 15 "	g 4 c	10.91		6464
2416 XII 17 "	g 3 c	10.92		6466

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2508 IV 8-904	g 2i	8.33	6579
2835 IX 13 "	g 1i	8.39	6584
2951 VIII 16 "	g 2i	7.91	6709
2979 VIII 20 "	g 8i	8.15	6713
3030 IX 10 "	c 9	8.45	6734
3097 IX 30 "	f 4g	9.29	6754
3104 X 1 "	f 3g	9.42	6755
3138 X 13 "	f 2g	9.56	6767
3197 XI 7 "	c 8d	10.65	6792
3229 XI 14 "	c 5d	10.72	6799
3260 XII 5 "	c 1d	10.82	6820
3315 I 11 1905	g 1i	8.39	6857
3332 I 14 "	g 1i	839	6860
3351 II 13 "	g 8i	7.97	6890
3816 VIII 19 "	g 3i	8.27	7077
3870 IX 8 "	f 9g	8.60	7092
3933 X 5 "	f 3g	9.42	7124
4000 XI 28 "	f 1g	9.69	7178
4074 I 30-906	g 2i	8.33	7241
4093 II 2 "	g 1i	8.39	7244
4580 IX 15 "	d 2f	10.44	7469
4605 X 5 "	d 3f	10.37	7489
4631 X 12 "	d 5f	10.22	7496
4694 XI 15 "	f 3g	9.42	7530
4718 XII 12 "	g 6i	8.09	7552
5169 IX 18-907	d 5f	10.22	7837
5205 X 15 "	d 3f	10.37	7864
5253 XI 13 "	g 5i	8.15	7893
5925 XII 2-908	g 3i	8.27	8218
6597 IX 17-909	g 8i	7.97	8567
6644 X 7 "	g 1i	797	8587

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6689 X 19-902	g 8i	7.97	8599
6745 XI 3 "	g 3i	8.27	8614
6787 XI 20 "	f 1g	9.69	8651
6791 XI 3 "	d 3f	10.37	8644
7300 IX 11-910	g 2i	7.91	8926
7331 XI 7 "	c 3d	10.77	8983
7348 XI 21 "	= b	10.97	8992
7358 XI 23 "	b 5c ? of	10.90	9029
10219 X 22.914	f 1g	9.69	0428
10324 III 5-915	g 4i	8.21	0562
11142 IX 12 "	f 8g	8.75	0753
11180 IX 16 "	f 5g	9.15	0787
11423 XI 4 "	f 2g	9.56	0806
12752 XI 1-916	f 8g	8.75	1169
12793 XI 20 "	g 2i	7.97	1188
12805 XI 29 "	g 2i	7.91	1197
12897 III 25-917	d 3f	10.37	1313
12907 III 27 "	d 5f	10.22	1315
12915 III 28 "	d 9f	9.91	1316
14558 XI 4-918	g 3i	8.27	1902
15524 IX 22-920	g 3i		2590
7868 X 13-911	c 2a	10.82	9323
7891 IX 19 "	f 1g ? of	9.69	9299
7922 X 25 "	b 8c	10.86	9325
7989 XI 26 "	g 2i	7.76	9392
7964 XI 29 "	g 2i	8.03	9370
8000 I 28-912	g 2i	8.33	9430
8759 XI 14 "	f 2i	7.84	9721
8775 XII 12 "	f 8g	8.75	9749
8781 XII 14 "	f 5g	9.15	9751
8796 II 4-913	b 10c	10.96	9803

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9357 VII 22-9	b1c	10.96	9971
9380 VIII 28 "	d1b	10.52	0008
9446 IX 9 "	=f	9.82	0020
9515 IX 28 "	g3i	8.27	0039
9598 XI 18 "	ga7	10.07	0090
9633 XI 28 "	d3f	10.37	0100
10125 IX 14-9	fgg	8.60	0390
10165 IX 26 "	fdgg	8.60	0402
10204 X 17 "	f1g	9.69	0428
10212 X 19 "	f1g	9.69	0425
10273 XI 10 "	d1f	10.52	0447
10293 XII 14 "	b3c	10.92	0481
10308 XII 18 "	b3c	10.92	0485
11325 X 5-9	f1g	9.69	0776
11355 X 8 "	f2g	9.56	0779
11482 XII 6 "	g1f	8.39	0838
11548 III 9-19	=f	9.82	0932
11584 III 29 "	d1f	10.52	0952
11595 IV 3 "	d1f	10.52	0957
12425 IX 16 "	d8f	9.99	1123
12454 IX 19 "	d3f	10.44	1126
12475 IX 20 "	d3f	10.44	1127
12632 X 19 "	f3g	9.42	1156
12650 X 21 "	f2g	9.56	1158
12738 X 31 "	g3f	8.27	1168
12740 X 31 "	g2i	8.33	1168
12811 XII 4 "	g6i	8.09	1202
12835 XII 21 "	g5i	8.15	1219
12874 IX-11:907	f3g	9.42	1271
13661 X 9 "	f6g	9.02	1511
13729 XII 1 "	f9g	8.60	1564

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Δ 4.04 58.0

13791 XII 4-907	f 6g	9.02		1567
13807 XII 5 "	f 8g	8.75		1568
13761 XII 13 "	f 5g	9.15		1576
13798 IV 2-908	g 3i	8.27		1686
13892 IV 8 "	g 2i	8.33		1692
15562 XII-11-920	f 3g			2070
160 IV 26.1899	f 3g	9.42	4924	0072
1692 XI 18-902	g 9i	7.91	4924	0072
10143 IX 17-914	f 8g	8.75		0393
10437 IV 19-915	d 4f	10.29		20607.482
11324 X 5 "	d 8f	9.99		20776.812
11363 X 12 "	d 5f	10.22		20783.785
11372 X 16 "	d 3g	10.37		20787.770
11483 XII 6 "	g 2i	8.33		20838.666
12621 X 18-916	f 8g	8.75		21155.812
12644 X 20 "	f 9g	9.56		21157.820. +
12810 XII 4 "	f 2i	7.76		1202
12853 XII 28	g 2i	8.33		1226
12875 II 11-907	f 1g	9.69		21271.869
12962 IV 11 "	f 5g	9.42		1330
12974 IV 12 "	g 2i	8.33		1331
12986 IV 13	f 8g	8.75		1332
13013 IV 16 "	g 3i	8.27		1335
13607 X 10 "	f 3g	9.42		21572.817
13673 X 11 "	f 9g	9.56		21573.832
13748 XII 5 "	f 5g	9.42		1568
13837 IV-11-918	g 3i	8.27		1695
13845 IV 12 -	g 1i	8.39		1696
13851 IV 13	g 1i	8.39		1697
14498 X 5 "	g 4i	8.21		1872
15053 X 30-919	g 9f			2262

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15563 XII-11-920	f 8g		2670
144 17 6, 1899	f 4g	9.29	14904
152 IX 15 "	f 3g	9.42	14913
169 IX 27 "	f 3g	9.42	14925
338 XII 2 "	g 2d	8.33	14991
395 XI 30 1900	f 5g	9.15	15009
630 IX 3 "	g 5 i	8.27	15206
645 IX 11 "	f 2g	9.56	15224
742 III 30 901	h 7c		15424
1080 IX 21 "	d 1 f		15649
1552 IX 20-902	f 1 g	9.69	16013
1681 XI 7 "	h 5	7.76	16061
1713 XI 25	g 3 i	8.27	16079
1797 I 15-903	d 1 f	10.52	16130
1830 III 5 "	d 8 f	9.99	16179
2986 IX 19 "	h i	7.84	16377
2363 XI 13 "	f 1 g	9.69	16482
2379 XI 18	d 3 f	10.37	16487
2441 I 20-904	c 1 d	10.82	16500
2575 IV 28 "	f 7 g	8.89	16594
2584 V 2 "	f 3 d	9.42 ?	16603
3009 IX 2 "	g 1 h	8.39	16926
3072 IX 21 "	f 6 d	9.02	16945
3166 X 31 "	d 1 f	10.52	16985
3181 XI 2 "	d 1 f	10.52	16987
3274 XII 7 "	c 1 d	10.82	16992
3502 I 9-905	f 7 g	8.89	16995
3839 I 17 "	g 6 i	8.09	16863
3876 III 1 "	g 1 i	8.39	16916
3849 IX 5 "	g 3 i	8.27	17094
3888 IX 16 "	g 3 i	8.27	17105

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3909 IV 21-905	f 9g	8.60	17110
3951 X 9 "	f 3g	9.42	17138
3980 XI 16,	d 1f	10.52	17166
4040 I 2-906	g 3i	8.27	17213
4051 III 28,	f 1g	9.69	17298
4069 IV 11,	d 6f	10.14	17465
4046 X 15 "	d 3f	10.37	17429
4075 XI 9 "	f 1g	9.69	17524
5221 X 17-907	d 1f	10.52	17886
5387 IV 10-908	d 3f		18042
5340 IX 17,	d 1f	10.52	18222
5905 XI 20,	g 3i	8.27	18266
5919 XI 27,	g 3i	8.27	18273
5971 III-19-909	g 2i	8.33	18325
6711 X 23 "	g 7i	8.03	18603
6746 XI 3 "	g 3i	8.27	18814
6790 XI 20,	f 1g	9.69	18831
6792 XII 3,	d 1f	10.52	18844
7818 IX-22 911	d 1f	10.52	19302
7824 IX 23,	d 1f	10.52	19303
7979 XII 21,	L 1K	7.76	19392
8821 IV 22-913	L 1K	776	19880
9499 IX 25-913	g 1i	8.39	20056
9646 XII 1,	c 9d	10.62	0103
9677 II 13-914	g 9i		20177
9732 IV 23,	f 4g		20246
9754 IV 25,	f 9g		0248
10196 X 15,	f 1g	9.69	0421
10277 XI 11,	c 8d	10.65	0448
10307 XII 913	c 3d	10.77	20490
10341 III-14-915	g 2i	8.33	20571

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11148 IX 12 915	f 1 g	9.69	753
11284 IX 28 "	d 9 f	9.91	20762
11448 XI 12 "	d 3 f	10.37	20814
12753 X 1 916	f 9 g	8.60	21169
12800 XI 26 "	g 9 i	7.91	21194
13149 V V 917	f 9 g	8.60	21366
13971 V V 918	g 2 i	8.33	21751
14672 V 3 919	f 8 g		22092
AK 164 III 5 909	f 1 g	9.69	8371
175 III 11 "	f 3 g	9.42	8377
527 X 15 "	= f	7.84	8595
544 X 19 "	g 8 i	7.97	8599
569 XI 3 "	g 3 i	8.27	8614
577 XI 15 "	f 3 g	9.42	8626
631 I 29 910	c 2 d	10.79	8701
11300 X 3 915	d 3 f : rh	10.37	0774
10297 XII 15 914	c 3 d	10.77	0482
11484 XII 11 915	g 6 i	8.09	0843
12651 X 21 916	d 9 f	9.91	1158
12815 XII 4 "	g 4 i	8.21	1202
12837 XII 21 "	g 3 i	8.27	1219
12844 XII 22 "	g 2 i	8.33	1220
12852 XII 26 "	f 9 g	8.60	1224
12862 II 3 917	d 6 f	10.14	1263
12869 II 9 "	d 9 f	9.91	1269
13014 IV 16 "	g 1 i	8.39	1335
13026 IV 17 "	g 2 i	8.33	1336
13062 IV 29 "	g 1 i	8.39	1348
13755 XII 12 "	f 1 g	9.69	1575
13835 IV 10 918	= g	8.45	1694
13852 IV 13 "	f 9 g	8.60	1697

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5.0 −48.0.

13922 IV 30, 28	f 5g	9.15	1714
14607 IV 6-29	g 4i	8.21	2055
14660 IV 30,	f 6g		2079
15106 IV VI-920	d 8f		2432
ak 564 XI 1-909	g 3i	8.27	8612
H 629 I 29-910	c 3d	10.77	8701
654 II 1, ,	= d 1f	10.52	8704
690. III 19	∠ 2k	7.68	8750
698 III-20-911	∠ 3k	7.60	8751
711 IV 1, ,	∠ 2k	768	8763
16123 X 18-922	g 1i	8.39	3546
16159 XII 15, ,	g 3i	8.27	3604
16241 IV 27-923	g 4i	8.21	3537
16302 XI 30, ,	f 1g	9.69	3784
16309 XII 31, ,	f 0g	9.69	3785
16528 I 24-924	d 9f	9.91	3789
16564 I 13, ,	f 1g	9.69	3798
16598 I 28, ,	f 2g	9.56	3813
16614 II 5, ,	f 2g	9.56	3821
16630 II 11, ,	f 3g	9.42	3827
16652 XII 1, ,	= f	9.82	4121
16698 I 7-925	c 6d	10.69	4158
ak 775 VIII 27-924	f 9g	8.60	4025
839 IX 24, ,	f 9g	8.60	4083
916 X 1, ,	f 0g	8.60	4060?
955 XII 24, ,	d 1f	10.52	4144
976 I 18-925	c 6d	10.69	4169
1418 XII 11- , ,	d 9f	9.91	4496
1456 XII 23, ,	d 5f	10.22	4508
1492 I 13-926	d 4f	10.29	4529
1508 I 20, ,	d 4f	10.29	4536

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6.00 – 60.0

1548 II 26-926	f 2g	8.60		4564
1943 X 8 – "	f 4g	9.29		4897
1984 XI 5 – "	d 4f			4825
16129 X 25-922	g 3i	8.27		23353
16149 XI 29	g 9i	7.91		23388
16178 III 10-923	d 3f	10.37		23489
16207 IV 23 "	g 2i	8.33		23523
16445 X 13 "	g 3i	8.27		23706
16487 XII 14 "	f 1g	9.69		23768
16489 XII 14 "	f 1g	9.69		23768
16510 XII 31 "	f 1g	9.69		23785
16531 I 6 " 924	f 0g	9.69		23791
16572 I 15 "	f 1g	9.69		23800
16593 I 30 "	f 1g	9.69		3805
16618 II 6 "	f 3g	9.42		23822
16663 XII 16 "	d 2f	10.44		24136
16681 XII 24 "	c 9d	10.62		24144

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Additional observations of the field of the Hercules

	I	II	III
	W	W	Tz
16037 I 21 15	e 2 f	d e	e 1 k
16170 II 27 „	e 5 f		e 3 k
16413 IV 19 „	e 2 f		e 4 k
16425 IV 23 „	e 5 f		e 2 k
16516 VI 3 „	e 2 f		e 4 k
16523 VI 10 „	e 3 f		c 4 e
17179 XII 30 „	3		5
17367 II 29 16	6		6
17500 IV 7 „	4		3
17509 IV 10 „	2		3
17644 VI 1 „	4		3
17693 VI 29 „	4		7
17779 VIII 14 „	3		5
18053 X 26 „	2	d e	4
18330 XII 19 „	3	d e	7
18517 II 5 1917	3		2
18765 IV 7 „	2		3
18892 VI 14 „	3		3
19071 VIII 13 „	2	d e	6
19299 X 17 „	2	1	5
19838 II 17 18	5		5
20038 IV 6 „	6	4	5
20075 IV 26 „	3		4
20180 VI 8 „	5	2	2
20333 VIII 1 „	6		6
20387 VIII 19 „	4	3	4

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20551	X 1	18	2	2	4
21137	II 12	19	3		8
21331	IV 7	"	5	1	5
21349	IV 18	"	3		5
21404	IV 30	"	4		8
21501	VI 3	"	3	2	3
21573	VI 30	"	3		3
21687	VIII 10	"	4	6	5
21932	XII 14	20	2		
22999	X 20	"	2		
22701	VI 26	"	6		
22569	VI 8	"	6		
22457	II 26	"	4		
22175	XII 30	19	5		
21907	X 17	"	4		
21738	VIII 25	"	3		
21708	VIII 20	"	4		
51	X 3	98	4		
225	II 24	99	2		
321	V 11	99	6		
324	V 17	99	3		
438	IX 15	99	c 8e		
715	II 6	00	2		
722	II 18	00	3		
772	III 17	"	1		
847	V 5	"	4		
913	VII 4	"	3		
927	VII 18	"	2		
2314	I 10	02	3		
2403	III 10	02	2		
2462	IV 4		2		

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2530	V 8 02	4
2560	V 17 "	6
2657	VI 20 "	5
2676	VIII 10 "	4
2719	VIII 2 "	5
2787	VIII 28 "	3
2816	IX 7 "	2
2834	IX 12 "	3
2887	X 10 "	3
3176	I 13 03	3
3418	III 12 "	4
3494	IV 11 "	2
3570	IV 29 "	2
3724	VI 16 "	2
3727	VI 18 "	3
3753	VII 4 "	2
3808	VIII 8 "	5
3898	IX 7	4
4000	IX 28 "	5
4646	II 15 04	3
4736	III 12 "	2
4833	IV 13 "	2
4942	VI 9 "	2
4972	VI 15 "	2
5038	VII 4 "	2
5106	VII 2 "	4
5114	VIII 31 "	3
5288	IX 27 "	2
5878	I 22 05	6
5889	I 23 "	2
5964	II 7 "	2

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5997	II 13 05	3
6123	III 4 "	3
6161	III 12 "	2
6252	IV 2 "	4
6278	IV 8 .	3
6368	V 9 .	5
6410	V 31 .	2

UY Herculis

UY Herculis was examined on one hundred plates well scattered between 1898 and 1920. This examination did show that the variability if it does exist was between 8.75 and 8.56 the range being less than 0.19 photogs. Having in view the large probable error of Harvard patrol plates we cannot say anything definite about the possible variation of UY Herculis. If it really exists, it would not influence anyhow our charts on UA Herculis. Only once UY Herculis dipped as low as to 8.97, but this could be attributed to some atmospheric or photographic cause.

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1899phae..proj...G

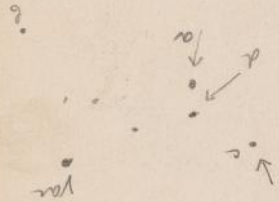
TW Pegasi

...grandom stars for TW Pegasi

...field. HA 85 for 22h+30°5

...ntl. plate. Ac 6547

		I.S.
...2-1-1)	= 7.82	7.87
...1	= 8.60	8.71
...2	= 9.17	9.32
...-2-2)	= 9.54	9.72



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1899phae.proj..900G

Comparison Stars for TW Pegasi

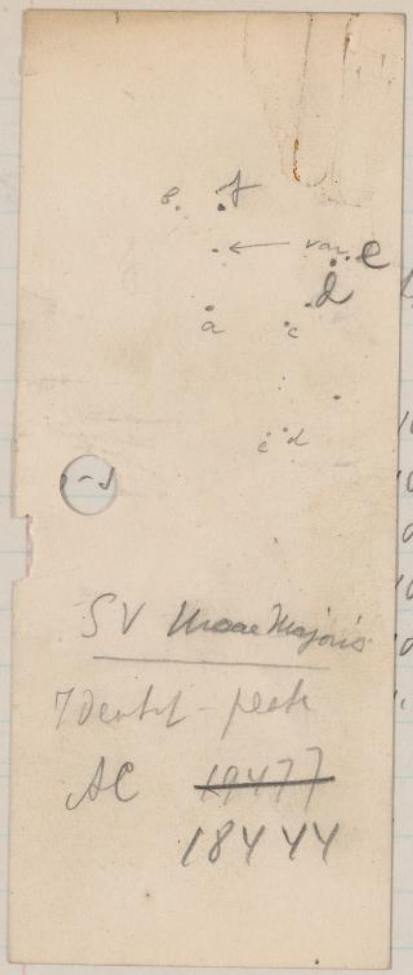
Comp. field. HA 85 fcirc 22h+30°5

Identif. plate. AC 6547

			I.S.
a	1 − (2-1-1)	= 7.82	7.87
b	2-2-1	= 8.60	8.71
c	4-4-2	= 9.17	9.32
d	4 − (4-2-2)	= 9.54	9.72

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1899phae.proj...9GDG



Stars for [illegible] field RA 11h

			Mean	
a	10.13v	10.13v	10.13	v
b	10.49v	10.49v	10.[illegible]	v
c	10.58v	10.58v	10.[illegible]	v
d	10.67v	10.67v	10.[illegible]	v
e	10.90v	10.80v	10.[illegible]	v
f	11.36v	11.18v	11.[illegible]	v



Comparison Stars for TT Persei

Comp. ar. field. V Persei (Boon 9, 28)

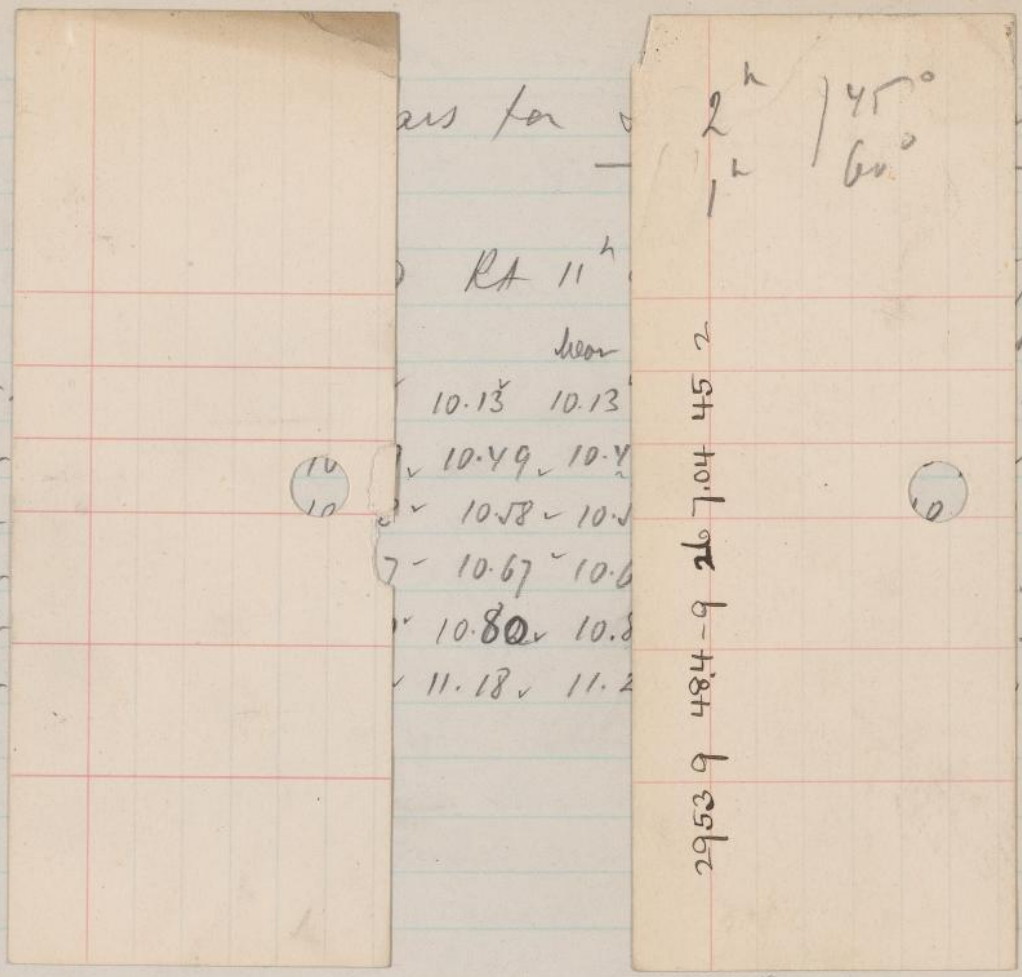
b	b-2-a	b-2-a	9.17	9.17	9.17v
c	c-2-b	c-3-b	9.89	9.81	9.85v
~~e~~	=d	d-0.1(d-c)	10.64	10.70	10.67v
d	d-3-c	d-4-c	10.46	10.40	10.43v

Mags. of Stars in comp. field in Tot. Intens.

a	8.70
b	9.29
c	10.04
d	10.64

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1899phae.proj...90dG



ars for ... RA 11h ...

				Mean		Mean
a	5-		10.13	10.13		
b	6-		10.49	10.4		
c	6-		10.58	10.5		
d	6-		10.67	10.6		
e	6-		10.80	10.8		
f	6-		11.18	11.2		

Comparison Stars for TT Persei

Comp. in field. V Persei (Boon 9, 28)

b	b-2-a	b-2-a	9.17	9.17	9.17 v
c	c-2-b	c-3-b	9.89	9.81	9.85 v
e	=d	d-0.1(d-c)	10.64	10.70	10.67 v
d	d-3-c	d-4-c	10.46	10.40	10.43 v

Magn. of Stars in comp. field in Tut. letter

a	8.70
b	9.29
c	10.04
d	10.64

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1899phae.proj..90G

Comparison Stars for SV Ursae majoris.

Comparison field RA 11h 0 +54°5 (1900.85)

			Mean			Tot. System
a	5-4-4	5-4-4	10.13	10.13	10.13	10.34
b	6-5-5	6-5-5	10.49	10.49	10.49	10.71
c	6-3-5	6-3-5	10.58	10.58	10.58	10.80
d	6-1-5	6-1-5	10.67	10.67	10.67	10.90
e	6-8-8	6-9-8	10.90	10.80	10.85	11.09
f	6-3-8	6-5-8	11.36	11.18	11.27	11.51

Comparison Stars for TT Persei

Comp. ar. field. V Persei (Boon 9, 28)

b	b-2-a	b-2-a	9.17	9.17	9.17
c	c-2-b	c-3-b	9.89	9.81	9.85
e	=d	d-0.1(d-c)	10.64	10.70	10.67
d	d-3-c	d-4-c	10.46	10.40	10.43

Mean of Stars in comp. field in Tot. System

a	8.70
b	9.29
c	10.04
d	10.64

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1899phae.proj...gdG

Comparison stars for SS Cephei

Comparison field A (HA 71)
Identify plate AC 13580

a	6-5-4a	8.42
b	6-2-4a	8.70
c	6-3-4a	8.88

in International system

4a	−7.97
6	−8.88



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1899phae.proj..90NG

V Ursae min.

AG +75-146

480	II, 13, 1925	✓	d2c		24195
492	II, 18, 1925	✓	d2c		24200
496	II, 20, 1925	✓	d2c		24202
507	II, 27, 1925	✓	d4c		24209
545	III, 23, 1925	✓	=c		24233
555	IV, 1, 1925	✓	d8c		24242
573	IV, 8 1925	poor	=c		24249
589	IV, 17, 1925	✓	d5c		24258
596	IV, 18, 1925	✓	d6c		24259
599	IV, 20, 1925	✓	d4c		24261
602	IV, 21, 1925	✓	d3c		24262
606	IV, 23, 1925	✓	d1c		24264
624	V 12, 1925	✓	d5c		24283
686	VI, 30, 1925	✓	d3c		24332
936	I 15, 1926	✓	~~c1~~ d9c		✓ 24531
1005	IV, 12, 1926	✓	~~d9c~~ d5c		✓ 24618
1009	IV, 13, 1926	✓	d4c		24619
1343	II, 4, 1927	✓	d8c		24916
1362	II 28, 1927	✓	d3c		24940
1383	III, 4, 1927	✓	d5c		24944
1441	II, 25, 1927	✓	d7c		24996
1497	VI, 17, 1927	✓	d8c		25049
1520	VII, 8, 1927	✓	d2c		25068
1551	VIII, 9, 1927	✓	=c		25102
1929	XII, 14, 1927	✓	=c		25299
AC 23783	VI, 19, 1921	✓	d7c		22850
23451	II, 16, 1921	✓	d1c		22737
23609	IV, 5, 1921	✓	d4c		22785
got late 23644			d4c		~~22804~~

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1899phae.proj..9093G

V Ursae min.

23808	III, 17, 1921	✓	d6c		22858
23923	VIII, 8, 1921	✓	d6c		22910
24016	VIII, 25, 1921	✓	d6c		22927
24201	X, 6, 1921	✓	d4c		22969
24295	X, 25, 1921	✓	d5c		22988
24496	XII, 19, 1921	✓	d1c		23043
24764	V, 22, 1922	✓	d3c		23197
24779	V, 29, 1922	✓	d5c		23204
25839	IV, 2, 1925	✓	c1b		24243
25844	IV, 5, 1925	✓	c1b		24246
25889	IV, 24, 1925	✓	d3c		24268
25909	V, 18, 1925	✓	d3c		24289
25959	VII, 3, 1925	✓	d4c		24335
26221	I, 19, 1926	✓	d4c		24535
26245	II, 2, 1926	✓	d3c		24549
26249	II, 7, 1926	✓	d4c		24554
26308	II, 29, 1926	✓	d3c		24635
26319	IV, 8, 1926	✓	d5c		24644
26329	V, 20, 1926	✓	d3c		24656
26336	V, 25, 1926	✓	d4c		24661
26712	III, 1, 1927	✓	d3c		24941
26732	III, 9, 1927	✓	d3c		24949
26735	III, 10, 1927	✓	d5c		24950
26754	III, 25, 1927	✓	d6c		24965
26762	III, 31, 1927	✓	d7c		24971
26787	IV, 14, 1927	✓	~~d4c~~ d5c	✓	24985
26793	IV, 17, 1927	✓	~~d9c~~ d6c		24988
26821	V, 1, 1927	✓	d5c		25002
26836	V, 17, 1927	✓	d2c		25018

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1899phae.proj..909G

V Ursae min.

17h	26883	II, 2, 1928	√	d4c	85279
	23330	I, 24, 1921	√	d2c	22714
	23238	I, 6, 1921	√	d6c	22696
	23363	I, 27, 1921	√	d2c	22717
	23520	III, 11, 1921	√	d4c	22760 A
	23561	III, 23, 1921	√	d4c	22772
	23661	IV, 1, 1921	√	d2c	22811
	23711	IV, 23, 1921	√	d3c	22833
	24080	IX, 9, 1921	√	d5c	22942
	24167	IX, 29, 1921	√	d4c	22962
	26724	III, 8, 1927	√	d6c	24948
AY+60	12h				
	447	I, 13, 1925	√	d6c	24164
	491	II, 18, 1925	√	d1c	24200
	495	II, 20, 1925	√	d2c	24202
	501	II, 26, 1925	√	d2c	24208
	528	III, 16, 1925	√	d6c	24226
	544	III, 23, 1925	√	d8c	24263
	550	III, 26, 1925	√	c1f	24236
	580	IV, 13, 1925	√	d6c	24254
	663	VI, 26, 1925	√	d3c	24328
	950	I, 22, 1926	√	d4c	24538
	959	II, 7, 1926	√	d2c	24554
	996	III, 6, 1926	√	d4c	24612
	1382	III, 4, 1927	√	d5c	24944
	1394	III, 10, 1927	√	d6c	24950
	1450	IV, 29, 1927	√	d7c	25000
	1454	V, 1, 1927	√	d4c	25002
	1500	VI, 21, 1927	√	d9c	25053

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1899phae.proj..9699G

K Ursae min.

1864	XI, 20, 1927 ✓	= c		25265
1872	XI, 25, 1927 ✓	d 9 c		25210
1942	XII, 18, 1927 ✓	d 7 c		25233
1949	XII, 21, 1927 ✓	d 7 c		25236

AC +60-13h

		~~d 6 c~~		22698
23250	I, 8, 1921 ✓	d 6 c		22714
23322	I, 24, 1921 ✓	d 1 c		↓ ~~65~~
23531	III, 16, 1921 ✓	d 9 c		✓ 22765
23584	III, 30, 1921 ✓	d 7 c		22779
23730	IV, 27, 1921 ✓	d 4 c		22837
23854	III, 21, 1921 ✓	d 4 c		22892
24120	IX, 22, 1921 ✓	d 2 c		22953
23693	V, 17, 1921 ✓	d 4 c		22827
25948	VI, 23, 1925 ✓	d 2 c		24325

15h

23480	II, 25, 1921 ✓	d 7 c		22746
23636	IV, 19, 1921 ✓	d 6 c		22799
23772	II, 8, 1921 ✓	d 3 c		22849
23979	VIII, 19, 1921 ✓	~~d 1 c~~ d 5 c		✓ 22921
24261	X, 15, 1921 ✓	~~d 9 c~~ d 7 c		✓ 22978
24305	X, 26, 1921 ✓	d 8 c		22989
24499	XII, 19, 1921	d 1 c		23043
25884	IV, 21, 1925 ✓	d 2 c		24262
26335	V, 25, 1926 ✓	d 2 c		24661
26339	V, 27, 1926 ✓	d 1 c		24663
26759	III, 28, 1927 ✓	d 9 c		24968
26782	III, 13, 1927 ✓	d 9 c		24984
26805	IV, 20, 1927 ✓	~~d 2 c~~ d 4 c		24991
26829	V, 7, 1927 ✓	d 1 c		25008

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1899phae.proj..900G

V Vulpeculae min.

26837	V, 18, 1927 ✓	d1c		25019
26879	VI, 1, 1928	d4c ✓		25278
12h 23431	II, 12, 1921 ✓	d3c		22733
23598	IV, 2, 1921 ✓	d4c		22782
23763	VI, 5, 1921 ✓	d4c		22846
23800	VI, 15, 1921 ✓	d6c		22856
23940	VIII, 10, 1921 ✓	d4c		22912
24279	X, 21, ~~1921~~ 1922 ✓ pm	d10 omitted		22984
24461	XII, 8, 1921 ✓	d2c		23032
24537	XII, 31, 1921	d1c		23055
25718	XII, 14, 1924 ✓	d8d		24134
25736	XII, 26, 1924 ✓	d1c		24146
25761	I, 14, 1925 ✓	d6c		24165
25777	I, 30, 1925 ✓	d2c		24181
25799	III, 2, 1925 ✓	d1c		24212 ~~24216~~
25808	III, 12, 1925 ✓	d5c		24232 ~~24252~~
25821	III, 22, 1925 ✓	d5c		24239 ~~24254~~
25830	III, 24, 1925 ✓ pm	=c		24234 ~~24247~~
25849	IV, 6, 1925	d4c omitted		24247
25867	IV, 16, 1925 ✓	d2c		24257
25874	IV, 18, 1925 ✓	d1c		24259
25899	V, 8, 1925 ✓	d3c		24279
25913	V, 19, 1925 ✓	d3c		24290
25954	VI, 30, 1925 ✓	d2c		24332
26209	I, 9, 1926 ✓	d6c		24525
26248	II, 1, 1926 ✓	=d		24554
26264	III, 24, 1926 ✓	d8c		24599
26288	IV, 12, 1926 ✓	~~d1c~~ d3c		24618

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1899phae.proj...9609G

V Ursae min.

26306	III	23	1926	✓		d 3c	24609
26325	IV	17	1926	✓		d 1c	24653
26615	XII	26	1926	✓		d 1c	24876
26654	I	24	1927	✓		d 3c	24905
26682	II	4	1927	✓		d 2c	24916
26739	III	11	1927	✓		=d d3c	24951
26761	III	29	1927	✓		d 9c	24969
26773	IV	7	1927	✓		d 9c	24978
26792	IV	17	1927	✓		d 3c d7c	24988
26852	VI	24	1927	✓		d 2c	25056
26854	VI	24	1927	✓		d 4c	25056
26855	VI	24	1927	✓		d 5c	25056
26856	VI	24	1927	✓		d 5c	25056
26887	II	5	1928	✓		d 2c	25282
26897	II	12	1928	✓		=d	25289
26911	II	20	1928	✓		d 2c	25297
AC +60 −174							
23267	I	12	1921	✓	poor	d 4c	22702
23341	I	25	1921	✓	"	d 2c	22715
23549	III	22	1921	✓	"	d 3c	22771
~~9c~~						~~d 2c~~	
AC +75 −164							
23256	I	9	1921	✓		d 4c	22699
23354	I	26	1921	✓		d 2c	22716
23539	III	18	1921	✓		d 5c	22767
23701	IV	19	1921	✓	poor	d 3c	22829
23741	V	30	1921	✓		d 2c	22840
23849	VII	17	1921	✓	poor	d 9c ~~d 1c~~	22888
23886	VII	27	1921	✓	"	c/b	22898

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1899phae.proj..98G

V Ursae min.

24073	IX	8	1921 ✓		d5c	22941	
24164	IX	28	1921 ✓		d4c	22961	
24411	XI	25	1921 ✓	elongated	d8c	23019	
+90 16							
23635	IV	19	1921 ✓		d2c	22799	
23706	V	21	1921 ✓	poor	d4c	22831	
+90 14 25154	II	18	1923 ✓		d8c	23469	
+90 AX 95	IV	20	1923	poor	d6c	23530	
AY 864	XI	10	1925 ✓	Class M	d9c	24465	
882	XI	20	1925 ✓	"	d3c	24475	
888	XI	25	1925 ✓	poor	d4c	24480	
947	I	20	1926 ✓	"	d4c	24536	
948	I	20	1926 ✓	"	d5c	24536	
949	I	22	1926 ✓		d7c	24538	
955	I	27	1926 ✓	poor	d3c	24543	
968	II	13	1926 ✓	M	d2c	24560	
1063	V	28	1926 ✓	poor	d5c omitted	24664	
1080	VI	17	1926 ✓	M	d4c	24684	
1081	VI	19	1926 ✓		d2c	24686	
1101	VII	23	1926 ✓	W	d3c	24720	
1105	VIII	4	1926 ✓	M	d2c	24732	
1147	IX	14	1926 ✓		d1c	24773	
1148	IX	14	1926 ✓		d1c	24773	
1152	IX	19	1926 ✓	poor	e9d	24778	
1186	X	21	1926 ✓	"	d3c	24810	
1187	X	21	1926 ✓	poor "	d2c	24810	
1188	X	22	1926 ✓	poor	d4c	24811	
1189	X	22	1926 ✓		d3c	24811	

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1899phae.proj...scan

V Ursae Min.

1191	X, 23, 1926 ✓	d3c		24812
1196	X, 26, 1926 ✓	d2c		24815
1197	X, 26, 1926 ✓	d2c		24815
1198	X, 26, 1926 ✓	d3c		24815
AC +60 −16h		~~d5c~~		
23267	I, 12, 1921 ✓	d5c		22702
23341	I, 25, 1921 ✓	d2c		22715
23549	III, 22, 1921 ✓	d5c		22771
+75 −12h 23238	I, 6, 1921 ✓	d4c		22696
23330	I, 24, 1921 ✓	d1c		22714
23363	I, 27, 1921 ✓	d2c		22717
23520	III, 11, 1921 ✓	d7c		22760
23661	V, 1, 1921 ✓	d2c		22811
23711	V, 23, 1921 ✓	d2c		22833
24080	IX, 9, 1921 ✓	d6c		23003
24167	IX, 29, 1921 ✓	d2c		23023
26724	III, 8, 1927 ✓	d4c		24948
26812	IV 25, 1927 class Par	d8c		24996
16h 23256	I, 9, 1921 ✓	d5c		22699
23354	I, 26, 1921 ✓	d1c		22716
23539	III, 18, 1921 ✓	d6c		22767
23741	V 30, 1921 ✓	d6c		22840
23886	III, 27, 1921 ✓	c1b	pm	22898
24073	IX, 8, 1921 ✓	d7c		22941
24164	IX, 28, 1921 ✓	d5c		22961
24411	XI, 25, 1921 ✓	d7c		23019

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1899phae.proj..9699

7.5

Comparison stars for B

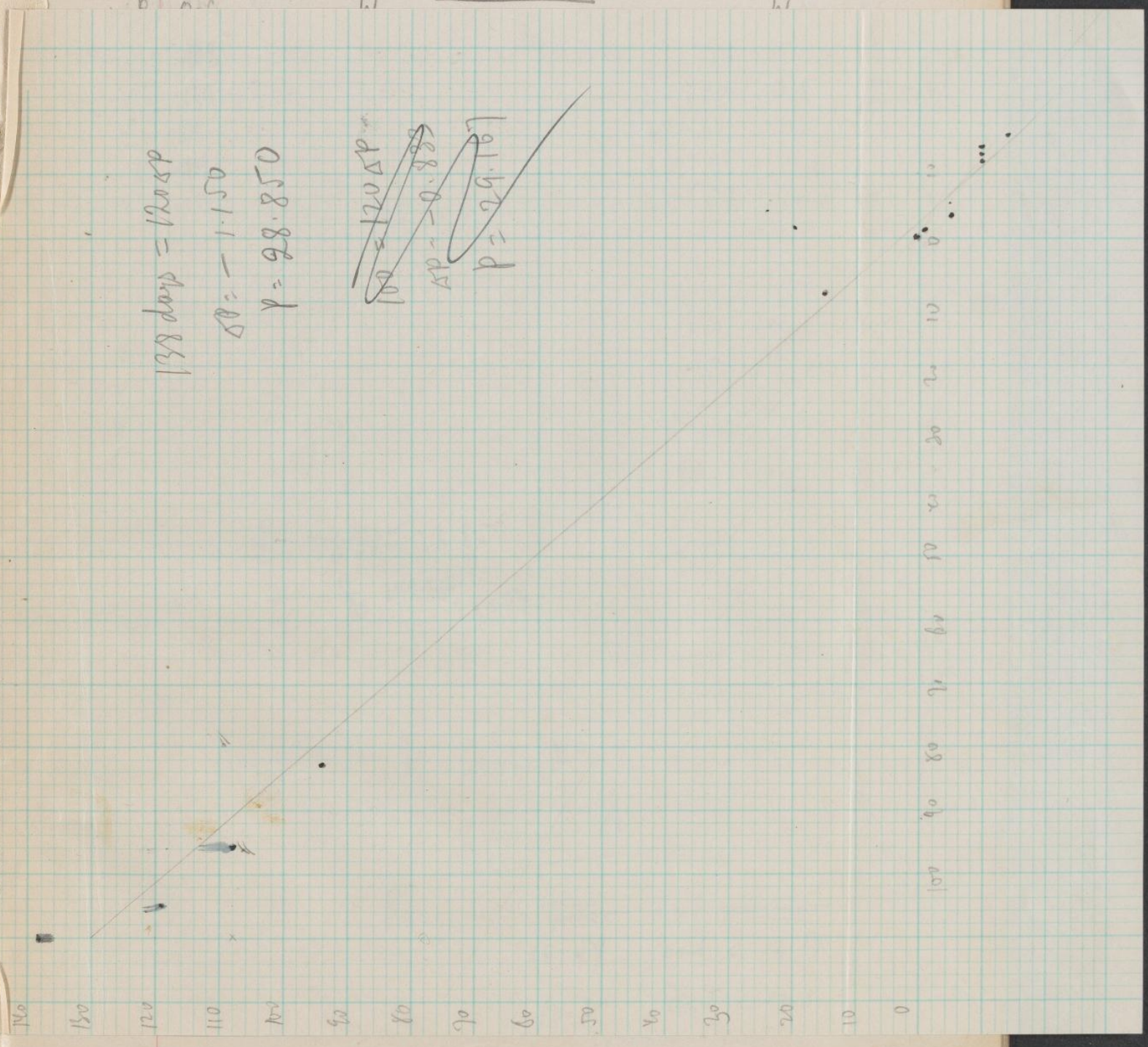
f	10.08, 9.67	= 9.87 -	10.07 -
d	10.26, 10.27	= 10.26 -	10.48 -
a	10.59, 10.87	= 10.73 -	10.96 -
h	11.19 ; 11.48	= 11.33 -	11.57 -
e	11.34, 11.59	= 11.46 -	11.70 -

b = h + a = 11.33

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1909

~~Calc.~~ Obs. Star B



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1899phae.proj..9GIG

Star B

no P.	O-C		W
	~~C-O~~	Obs.	
no	110 +138	21008	1.0
	-105 +119	21169	0.5
	-96 +108	21428	0.5
	-83 +94	21804	0.5
	-9 +15	24035	1.0
	0. 0.0	24290	2.0
	+1 -1	24319	2.0
	3 -5	24375	1.5
	12.6 -10	24640	1.0
	13.7 -10	24670	1.5
	14.8 -10	24700	1.5
	15.10 -14	24756	1.0

Tentative P = 30d.0

P = ~~29.525~~ 28.850

M = ~~24288~~ ~~24285~~ 24287.

12 Observed maxima

Minima		W		
	20991	1.0	-101	
	23918	1.0	-4	+6
	23970	0.5	-2	-+6
	24024	0.5	0.0	0.0
	24361	1.0	+11	+7
	24657	1.0	+21	+3

B is seen on

17h 19h 15h 18h 18h

-45 -45 -60 -75 60

Maximum h = dif = 9m.8

minimum hr = 0.5h = 11m.0

Suspected to be Cepheid.

Star A

Range ~~9.8 and < 12.0~~

10.59 and < 12.59

10.8 and < 12.8

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1899phae.proj..90MG

C is seen
17h 15h 18h 18
-45 -60 -75 60

Star C.

Range 62d in minimum
e in maximum

b = 12.20
d = 10.94
c = 10.71

Short periodic P = 0.699.
Max = 2423900.87
may be short periodic β Lyrae type

Range: 12.2 and 10.9

Star D.

is seen
18 21h 18
60 -60 -75

Range maximum = c
minimum a little fainter than f = f : 12.20

e = 11.53

Short periodic P = 0.802
Max = 2424670.63
seemingly Cepheid

Range 11.8 to 12.6

Star E

is seen
22 22 0.0 18-0
-60 75 60 85°

Range maximum = a ~ c = 11.3 (J.5)
minimum = b = 11.9 (J.5)
Long periodic P = 382 days with possible secondary minima Max obs 2423980 (J.D)
probably with some irregularities. Elements uncertain.
~~not~~ remarkable range

Star F

Range maximum = f = 11.0 (J.5)
minimum never fainter than e > 12.8

Long periodic P = 271 days
Max = 2424780. Irregularity at maximum
brightness near between f and b b = 11.2 (J.5)

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1899phae.proj:.GIF

Star 9.

Range maximum = a5b 11.7 (J.5)
minimum fainter than c < 13.4 (J.5)
Long periodic P = 310 days. Max = 2423985
two faint stars preceding

Star K

Range maximum e2g 10.4 (J.5)
minimum a little fainter than f = 13.6 (J.5)
Long period P = 335 days Max = 2424005
Br. at maximum variable between e2g and d2e

Star I

Slight variability. Range between b2e and a 11.6 and 12.1 (J.5)

Star K

Elements 4083.~ + ~~19.1~~ 17.775 E

Unsatisfactory owing to faintness of star. Minima recorded 4031. and 4083, 4329, 4410, 4815. Star unfavorably situated, it is too faint for the plates. Period 119.5 days. Both minima approximately of the same depth and duration (four days). Considerable eccentricity, interval between minima being 53.0 and 66.1 days. Maximum undergoes only small changes. (Between b and b2e); minima a little fainter than = d. Interesting star

Max = changes between 11.3 and 11.4
minimum = 12.1 (J.5)

Star L

Long periodic P = 295 days. Range Max a5f
Min < e

Max = 2424716

Max = 11.6 (J.5)
Min < 12.7

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Har M

Max. d5c = 10.8 (7.5)
min. < a < 12.9 Period 293 days
Maximum = 2424034

Har b

z = 12.46
a = 12.9
s = 11.84
c = 11.39
d = 11.34

Comparison Har to M found to be variable
range min = z = ~~12.8~~ = 12.4 (7.5).
max = c2d 11.4 Short period.

$\alpha = 23^h 21^m 40^s$ $\delta = -48^\circ 8'$ (7.5) +8

Har N

Range max = d4f 9.6 (7.5)
min = K 14.0 (7.5)
Long period P = 402 d. Max = 2424694.

Har O

a e3b Short period

a = 11.3 (7.5)
e3b = 13.0 (7.5)

Har P

Range max = f = 11.9 (7.5)
min < b. < 13.0 (7.5)
Long period P = 310 Max = 2424342.

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1899phae.proj...gmG

Star R.

Eclipsing. Maximum brightness constant = c16.
minimum = K

Faint on 3918, 4024, 4650. Period suggested is 104 days / periods 52, 26 days excluded by observations at maximum brightness

Maximum = 10.8 (J.S.) minimum = 13m.0 (J.S.) Uncertain.

Star S.

Unsuspected

e = 11.3
a = 10.4
b = 8.7

Max = a16
min = e

Max = 10.2
Min = 11.3

Star T

not a variable.

Star U

Maximum brightness = b8c 11.52 (J.S.)
minimum e8b 12.3 (J.S.)

Star V

Long periodic Maximum br. b6c 11.0 (J.S.)
Minimum < e < 12.8 (J.S.)

Maximum = 2424153 Period = 161 days

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1899phae.proj..90NG

Star W

Long period P = 239 days Max = 2424802

Max. variable between b3c 10.6 and a3b ~~11.5~~ 11.5 (J.5)

minimum c|e < 12.8 (J.5)

Star X

Long period P = 204 days Max = 242 4032

Max g5x 9.2 (J.5)

min < e < 13.5 (J.5)

Star Y

Long period P = 225 days

Maximum = c3x = 9.9 (J.5)

minimum = e = 12.9 (J.5) Max = 242 4380

Star Z

Long period Period 416 or 208 (may be halved)

Maximum b2c = 11.4 (J.5) Max = 242 4804

minimum < e < 13.5 (J.5)

c

Star AA

Semiregular may be has period near to 57 days

Maximum = b = 11.4 (J.5)

minimum = c = 13.2 (J.5) Amplitude Variable

Maxima 4359, 4413, 4769, 4825

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Star AB

Eclipsing. Range between e and a 4b.

e = 12.8 (J.5) Max = 11.8 (J.5)

Star AC

Short period. Range between min e2b 12.6 (J.5)

max = b7a 10.61 (J.5)

Star AD

Maxim = b = 10.0 (J.5) · Short period

Min = e/a = 11.3 (J.5) Range uncertain

Star AE

Max = a = 11.9

Min < K < 13.0 (J.5) Range uncertain

Star AF

Max = a3c = 10.7

Min = = b 11.6 Range uncertain

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1899phae.proj..9GOG

Star AG = RT Pictoris (CPG)

Max: 9.4
Min: 12.5

Max = a3c', min = e1B. Shortperiodic

Star was near minima — AM 16649, 4120.70 = e1b
16538, 3792.71 = b5a
16589, 3813.64 = b5a

which would give P = 6.97 days. ~~Probably~~ Alright

Star AH

Max = a = 8m.8 Shortperiodic

Min = b3a = 11m.1

Star AI

Longperiodic. Period near to 280 days

Max = a = 11.6

Min ∈ e < 13m

Star AK

Shortperiodic Max a2c = 10.3 (75)

Min e1B = 12.5

Star AL

Shortperiodic Max = 11.9

Min = 12.7

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1899phae.proj..900G

700 obs-s

V Ursae min.

AC 18293	XII, 12, 1916	d 5 c ✓	21210
18556	II, 12, 1917	d 4 c ✓	21272
20870	XII, 23, 1918	d 4 c ✓	21951
23609	IV, 5, 1921	d 6 c ✓	22785
23644	IV, 24, 1921	d 3 c ✓	22804
23451	II, 16, 1921	d 3 c ✓	22737
1698	VIII, 30, 1901	d 7 c ✓	15627
2821	IX, 8, 1902	d 4 c ✓	16001
3493	IX, 11, 1903	d 2 c ✓	16216
3972	IX 23, 1903	~~d~~ f 8 d ✓	16381
4691	II, 28, 1904	d 6 c ✓	16539
4776	III, 29, 1904	d 7 c ✓	16569
5930	I, 31, 1905	d 4 c ✓	16877
6287	IV, 16, 1905	d 3 c ✓	16952
6300	IV, 18, 1905	d 5 c ✓	16954
6409	V, 31, 1905	d 5 c ✓	16997
23609	IV, 5, 1921	d 4 c ✓	22785
3598	IX, 8, 1903	d 6 c ✓	16243
4523	I, 14, 1904	d 5 c ✓	16494
4791	I, 4, 1904	d 8 c ✓	16484
3700	X, 30, 1903	d 6 c ✓	16265
4599	II, 3, 1904	d 4 c ✓	16514
1438	IX, 4, 1901	d 5 c ✓	15509
5334	X, 6, 1904	d 4 c ✓	16760
4783	IV, 1, 1904	d 5 c ✓	16572
6458	VI, 25, 1905	d 3 c ✓	17022
6470	VI, 29, 1905	d 4 c ✓	17026
4803	IV, 4, 1904	d 5 c ✓	16575
3832	VIII, 15, 1903	d 4 c ✓	16342
215	II, 22, 1899	d 4 c ✓	14708

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V Ursae min., continued

				J. D.
AC 291	IX, 19, 1899	d 2 c		14764
586	XII, 12, 1899	d 6 c		15001
730	II, 20, 1900	c 5 b		15071
878	VI, 9, 1900	d 7 c		15180
909	VII, 2, 1900	c 2 b		15203
1243	II, 11, 1901	d 7 c		15427
1380	III, 27, 1901	d 2 c		15471
1495	IV, 3, 1901	d 4 c		15539
1515	VI, 8, 1901	d 6 c		15544
1607	VII, 13, 1901	d 5 c		15579
1743	IX, 14, 1901	d 7 c		15642
~~1918~~	~~X, 28, 1901~~	~~c 2 b~~		~~15686~~
1939	XI, 2, 1901	~~d 4 c~~	f5N	15691
2121	XII, 30, 1901	d 5 c		15749
2301	II, 8, 1902	d 5 c		15789
2484	IV, 17, 1902	d 4 c		15857
2558	V, 17, 1902	c 3 b		15887
2564	V, 18, 1902	c 2 b		15888
2629	VI, 17, 1902	d 4 c		15918
2661	VII, 2, 1902	d 2 c		15933
2726	VIII, 7, 1902	d 3 c		15969
2864	X, 7, 1902	c 3 b		16030
3132	XII, 31, 1902	d 8 c		16115
3296	II, 13, 1903	d 4 c		16159
3309	II, 17, 1903	d 4 c		16163
3444	III, 19, 1903	d 6 c		16193
3474	IV, 1, 1903	d 2 c		16206
3501	IV, 12, 1903	~~c 8 d~~	f7d	16217
3537	IV, 21, 1903	~~f 8 c~~	f7d	16226

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1899phae.proj..9@@G

V Ursae Min. continued

AC	3561	IV, 28, 1903	d 2 c	16233
	3656	V, 20, 1903	c ~~4 b~~	16255
	3756	VII, 6, 1903	~~2 5 d~~ 8 d	16302
	3850	VIII, 21, 1903	d 3 c	16348
	3872	IX 1, 1903	~~6 d~~ = d	16359
	4216	XI, 25, 1903	d 2 c	16444
	4385	XII, 16, 1903	d 4 c	16465
	4432	XII, 23, 1903	d 6 c	16472
	4451	XII, 27, 1903	d 5 c	16476
	4570	I, 26, 1904	d 3 c	16506
	4656	II, 17, 1904	d 2 c	16528
	4747	III, 15, 1904	c 2 b	16555
	4924	V, 22, 1904	c 2 b	16623
	5009	VI, 23, 1904	d 5 c	16655
	5049	VII, 12, 1904	d 7 c	16674
	5360	~~XX~~ 14, 1904	c 3 b	16738
	5662	XII, 3, 1904	d 4 c	16818
	5852	I, 17, 1905	d 4 c	16863
	5876	I, 22, 1905	d 2 c	16868
	5963	II, 7, 1905	d 1 c	16884
	6073	II, 26, 1905	d 5 c	16903
	6135	III, 6, 1905	c 2 b	16911
	6208	III 22, 1905	d 5 c	16927
	6314	IV, 23, 1905	d 4 c	16959
	6383	V, 20, 1905	d 4 c	16986
	6536	VII, 22, 1905	d 4 c	17049
	6560	VII, 28, 1905	d 5 c	17055
13h 59m	6960	XI, 9, 1905	d 5 c	17159
	7395	III, 20, 1906	d 6 c	17290

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V Ursae min. continued

AC 7716	VIII, 16, 1906	d 6 c		17439
8136	I, 5, 1907	d 5 c		17581
8410	IV, 11, 1907	d 2 c		17677
8525	V, 31, 1907	d 4 c		17727
9444	II, 23, 1908	d 5 c		18053
9533	VI, 9, 1908	c 2 b		18102
10219	II, 6, 1909	d 6 c		18344
10611	III, 3, 1909	d 3 c		18491
10634	VII, 16, 1909	d 3 c		18504
11024	VI, 6, 1909	d 4 c		18617
11486	III, 16, 1910	d 4 c		18747
11539	III, 26, 1910	d 6 c		18757
11624	IV, 30, 1910	d 3 c		18792
11776	VII, 11, 1910	d 3 c		18864
12 52 766	III, 16, 1900	d 6 c		15095
12 52 1164	I, 20, 1901	d 7 c		15405
11 52 3438	III, 17, 1903	~~c 9 b~~ d 7 c		16191
11 52 3436	III, 17, 1903	~~c 7 b~~ d 6 c		16191
A 54 3486	IV, 10, 1903	~~d 7 d~~ = d		16215
7332	II, 28, 1906	d 5 c		17270
7609	VI, 13 1906	c 2 b		17375
7623	VI, 19, 1906	c 1 b		17381
7633	VI, 27, 1906	c 3 b		17389
7644	VIII, 5, 1906	d 7 c		17397
7778	IX, 4, 1906	d 9 c		17458
8330	III, 7, 1907	d 4 c		17642
8314	II, 27, 1907	d 5 c		17634
8373	III, 21, 1907	d 4 c		17656
8436	IV, 18, 1907	d 2 c		17684

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V Ursae min. continued

AC 8586	VII, 3, 1907	d 4 c	17760
13hrs. 8602	VII, 10, 1907	d 3 c	17767
8720	VIII, 26, 1907	d 3 c	17814
9301	II, 28, 1908	d 5 c	18000
9346	III, 16, 1908	d 4 c	18017
9467	V, 5, 1908	d 4 c	18067
9624	VII, 11, 1908	d 5 c	18134
9837	X, 20, 1908	~~e 2 b~~ d 4 c	18235
9708	VIII, 31, 1908	d 8 c	18185
9842	X, 22, 1908	c 4 b	18237
9918	XI, 15, 1908	d 4 c	18261
10,000	XII, 5, 1908	d 4 c	18281
10001	XII, 5, 1908	d 5 c	18281
10008	XII, 8, 1908	d 4 c	18284
10294	III, 8, 1909	c 1 b	18374
10095	XII, 23, 1908	d 6 c	18299
10353	III, 22, 1909	d 4 c	18388
10399	IV, 7, 1909	d 5 c	18404
10466	IV, 28, 1909	d 4 c	18425
10480	V, 4, 1909	d 4 c	18431
10587	VI, 25, 1909	d 3 c	18483
10593	VI, 26, 1909	d 4 c	18484
10606	VI, 30, 1909	d 4 c	18488
10667	VII, 26, 1909	d 2 c	18514
10687	VIII, 6, 1909	d 3 c	18525
10705	VIII, 11, 1909	d 4 c	18530
11194	XII, 21, 1909	d 4 c	18662
11511	III, 20, 1910	d 5 c	18751
11526	III, 23, 1910	d 4 c	18754

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V Ursae min. continued

AC 11569	IV, 10, 1910	d4c		18772
11619	IV, 28, 1910	d4c		18790
11733	VI, 25, 1910	d6c		18848
11866	VIII, 19, 1910	d8c		18903
14 hrs 59°-60° 3641	V, 17, 1903	d6c		16252
3893	IX, 6, 1903	~~f9~~ x f8d = d		16364
3994	IX, 26, 1903			16384
4560	I, 24, 1904	d4c		16504
4601	II, 3, 1904	d1c		16514
[15 hrs.] 4667	II, 20, 1904	d5c		16531
4754	III, 16, 1904	c3b		16556
4775	III, 29, 1904	c1b		16569
4796	IV, 3, 1904	d5c		16574
4812	IV, 5, 1904	d4c		16576
4875	V, 2, 1904	~~f8 x~~ f9d		16603
4985	VI, 18, 1904	d7c		16650
5018	VI, 26, 1904	d3c		16658
5037	VII, 4, 1904	d5c		16666
5171	VIII, 24, 1904	d6c		16717
5206	VIII, 30, 1904	d5c		16723
5233	IX, 7, 1904	d2c		16731
5257	IX, 17, 1904	d2c		16741
5327	X, 4, 1904	d3c		16758
5827	I, 12, 1905	d5c		16857
5986	II, 11, 1905	d2c		16888
6031	II, 18, 1905	d3c		16895
6070	II, 25, 1905	d4c		16902
6097	III, 1, 1905	d6c		16906
6197	III, 17, 1905	~~d4~~ = c		16922
6233	III, 30, 1905	d3c		16935

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V Ursae min. continued

AC

6268	III, 6, 1905	d 3c	16942	A
6322	III, 25, 1905	d 3c	16961	
6548	III, 26, 1905	d 3c	17053	
6351	IV, 30, 1905	d 2c	16966	
6349	V, 4, 1905	d 4c	16970	
6372	V, 10, 1905	d 4c	16976	
6439	VI, 14, 1905	d 3c	17011	
6471	VI, 29, 1905	d 3c	17026	
6520	VII, 18, 1905	d 3c	17045	
6561	VII, 28, 1905	d 4c	17055	
6580	VIII, 5, 1905	d 3c	17063	
6603	VIII, 17, 1905	d 3c	17073	
6706	IX, 22, 1905	d 2c	17111	
6826	X, 12, 1905	d 2c	17131	
6893	X, 26, 1905	d 3c	17145	
6930	XI, 2, 1905	d 3c	17152	
7314	II, 22, 1906	d 4c	17264	
7387	III, 18, 1906	d 4c	17288	
7396	III, 20, 1906	d 6c	17290	
7446	IV, 3, 1906	d 5c	17301	
7508	IV, 27, 1906	d 4c	17328	
7617	VI, 15, 1906	d 8c	17377	
7809	IX, 12, 1906	d 7c	17446	
7837	IX, 24, 1906	d 8c	17478	
8200	I, 28, 1907	d 5c	17604	
8208	II, 2, 1907	d 4c	17609	
8218	II, 6, 1907	d 4c	17619	
8370	III, 20, 1907	d 6c	17655	
8384	III, 30, 1907	d 3c	17665	

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V Ursae min. continued

AC 8392	III, 2, 1907	d 3 c	17668
8451	III, 21, 1907	d 2 c	17687
8462	III, 24, 1907	d 1 c	17690
8492	IV, 12, 1907	d 2 c	17708
8495	V, 13, 1907	d 1 c	17709
9347	III, 16, 1908	d 7 c	18017
8510	V, 21, 1907	d 2 c	17717
8534	VI, 7, 1907	d 2 c	17734
9447	IV, 24, 1908	d 5 c	18056
8567	VI, 24, 1907	d 2 c	17751
8811	X, 1, 1907	d 2 c	17850
8834	X, 7, 1907	d 3 c	17856
9295	II, 27 1908	d 6 c	17999
9549	VI, 14, 1908	c 1 b	18107
9611	VII, 8, 1908	d 5 c	18131
9818	X, 14, 1908	= c	18229
10027	XII, 9, 1908	d 6 c	18285
10271	II, 28, 1909	d 6 c	18366
10341	III, 20, 1909	d 5 c	18386
10415	IV, 9, 1909	d 5 c	18406
10469	IV, 28, 1909	d 5 c	18425
10498	V, 11, 1909	d 4 c	18438
10529	V, 26, 1909	d 7 c	18453
10579	VI, 23, 1909	d 4 c	18481
10618	VII, 7, 1909	d 3 c	18495
10642	VII, 19, 1909	d 2 c	18507
10673	VII, 28, 1909	d 2 c	18516
10759	VIII, 27, 1909	d 3 c	18546
11272	I, 8, 1910	d 6 c	18680
11482	III, 15, 1910	d 8 c	18746

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1899phae.proj..900G

V Ursae min. continued

AC	11491	III, 17, 1910	d 7 c	18748
	11556	IV, 2, 1910	d 4 c	18764
	11585	IV, 14, 1910	d 4 c	18776
	11646	V, 7, 1910	d 1 c	18799
	11680	V, 26, 1910	d 5 c	18818
+90	2534	V, 10, 1902	d 7 c	15880
	2496	IV, 19, 1902	d 6 c	15859
	2490	IV 18, 1902	d 7 c	15858
	2483	IV, 17, 1902	d 7 c	15857
	2315	II, 10, 1902	~~e~~	15791
	2161	I, 4, 1902	d 5 c	15754
	1585	II, 30, 1901	d 1 c	15566 ~~15749~~
	1535	VI, 13, 1901	d 2 c	15549
	1513	VI, 8, 1901	d 1 c	15544
	1471	V, 16, 1901	d 5 c	15521
	1451	V, 8, 1901	d 4 c	15513
	1422	IV, 27, 1901	d 4 c	15502
	1322	III, 6, 1901	d 3 c	15450
	1018	IX, 26, 1900	c 5 b	15289
	924	VII, 17, 1900	c 4 b	15218
	907	VII, 1, 1900	= c	15202
	857	V, 11, 1900	c 1 b	15151
	793	II, 3, 1900	d 2 c	15113
	751	III, 11, 1900	d 3 c	15090
	439	IX, 15, 1899	d 4 c	14903
	338	V, 31, 1899	d 4 c	14806
	2315	II, 10, 1902	d 6 c	15791
	2483	IV, 17, 1902	d 5 c	15857
	2490	IV, 18, 1902	d 4 c	15858
	2496	IV, 19, 1902	d 4 c	15859

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1899phae.proj...0090G

V Ursae min. continued

AC				
2519	V, 3, 1902	d5c		15873
2626	VI, 14, 1902	d3c		15915
2690	VII, 13, 1902	d6c		15944
~~3624~~	~~V, 12, 1903~~	~~c5b~~		~~16247~~
3766	VII, 15, 1903	d1c		16311
3772	VII, 17, 1903	d2c		16313
4737	III, 12, 1904	c4b		16552
4769	III, 26, 1904	d6c		16566
4770	III, 28, 1904	d5c		16568
4911	V, 16, 1904	d1c		16617
4931	V, 27, 1904	=c		16628
5008	VI, 23, 1904	d3c		16655
6309	IV, 22, 1905	d1c		16958
8520	V, 24, 1907	=d		17720
8493	V, 12, 1907	d1c		17708
8487	V, 11, 1907	d1c		17707
8471	V, 2, 1907	=d		17698
8461	IV, 24, 1907	f9d		17690
10543	VI, 1, 1909	d9c		18459
10491	V, 8, 1909	d4c		18435
10487	V, 6, 1909	d3c		18433
10462	IV, 26, 1909	d9c		18493
10455	IV, 24, 1909	d4c		18421
10451	IV, 23, 1909	d3c		18420
12375	V, 21, 1911	d1c		19178
12049	X, 17, 1910	d4c		18962
11662	V, 16, 1910	d3c		18808
~~11647~~	~~IV, 28, 1910~~	~~d4c~~		18790
		~~d2c~~		

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1899phae.proj..9090G

+75° 14hs

V Ursae min. continued

AC 16422	IV, 21, 1915	d2c	✓	20609
16511	VI, 1, 1915	c3b	✓	20650
16667	VIII, 17, 1915	d4c	✓	20727
16828	X, 11, 1915	d5c	✓	20782
17324	II, 15, 1916	d6c	✓	20909
17352	II, 27, 1916	d7c	✓	20921
17512	IV, 12, 1916	d4c	✓	20966
17662	VI, 20, 1916	d4c	✓	21035
17758	VIII, 4, 1916	d8c	✓	21080
18013	X, 14, 1916	d6c	✓	21151
18556	II, 12, 1917	d5c	✓	21272
18597	II, 22, 1917	d3c	✓	21282
18760	IV, 4, 1917	c1b	✓	21323
18907	VI, 21, 1917	d8c	✓	21401
19290	X, 16, 1917	=c	✓	21518
19621	XII, 22, 1917	d4c	✓	21585
19759	II, 1, 1918	d2c	✓	21626
19848	II, 18, 1918	d3c	✓	21643
20053	IV, 15, 1918	d4c	✓	21699
20230	VI, 24, 1918	d4c	✓	21769
20581	X, 8, 1918	d3c	✓	21875
20799	XII, 7, 1918	d3c	✓	21935
20888	XII, 29, 1918	d5c	✓	21957
21066	II, 3, 1919	d4c	✓	21993
21327	IV, 2, 1919	=c	✓	22051
21342	IV, 14, 1919	c2b	✓	22063
21499	VI, 3, 1919	d8c	✓	22113
21706	VIII, 16, 1919	c1b	✓	22187
21758	VIII, 28, 1919	=c	✓	22199
21950	X, 28, 1919	d7c	✓	22260

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1899phae.proj..9999G

+75 14hrs.

V Ursae min. continued

AC 22141	XII, 20, 1919	d 4 c	✓	✓ 22313
22431	II, 22, 1920	d 1 c	✓	✓ 22377
22602	III, 18, 1920	d 3 c	✓	✓ 22433
23009	X, 22, 1920	d 5 c	✓	✓ 22620
+75-16hrs. 16291	III, 18, 1915	e 2 b	✓	✓ 20575
16488	V, 23, 1915	= c	✓	✓ 20641
16572	VII, 9, 1915	d 1 c	✓	✓ 20688
16729	IX, 14, 1915	d 2 c	✓	✓ 20755
16794	IX, 29, 1915	d 2 c	✓	✓ 20770
16960	XI, 9, 1915	d 4 c	✓	✓ 20811
17259	I, 28, 1916	d 2 c	✓	✓ 20891
17414	III, 17, 1916	d 5 c	✓	✓ 20940
17612	V, 19, 1916	~~d 6 c~~	✓ d b c	✓ 21003
17636	V, 26, 1916	d 7 c	✓	✓ 21010
17715	VII, 6, 1916	d 6 c	✓	✓ 21051
17882	IX, 14, 1916	d 5 c	✓	✓ 21121
17950	IX, 28, 1916	= c	✓	✓ 21135
18096	XI, 2, 1916	d 9 c	✓	✓ 21170
18160	XI, 11, 1916	d 7 c	✓	✓ 21179
18457	I, 17, 1917	d 8 c	✓	✓ 21246
18671	III, 16, 1917	d 5 c	✓	✓ 21304
18831	V, 14, 1917	d 3 c	✓	✓ 21363
18961	VIII, 20, 1917	d 1 c	✓	✓ 21430
18987	VII, 31, 1917	d 8 c	✓	✓ 21441
19192	IX, 25, 1917	d 2 c	✓	✓ 21497
19428	XI, 9, 1917	d 4 c	✓	✓ 21542
19927	III, 15, 1918	d 5 c	✓	✓ 21668
19971	III, 23, 1918	d 1 c	✓	✓ 21676
~~20001~~	yellow	~~e 6 b~~	✓	
20102	V, 7, 1918	d 1 c	✓	✓ 21721

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1899phae.proj..9G

75 - 16 hrs. V Ursae min. continued

AC 20137	IV, 16, 1918	d3c	✓	21730
20254	VII, 8, 1918	d6c	✓	21783
20294	VII, 20, 1918	d5c	✓	21795
20308	VII, 22, 1918	d5c	✓	21797
20476	IX, 10, 1918	d7c	✓	21847
20538	IX, 28, 1918	d4c	✓	21865
20733	XI, 26, 1918	d8c	✓	21924
20949	yellow	~~d~~		
21024	I, 30, 1919	d4c	✓	21989
21249	II, 7, 1919	d6c	✓	22025
21287	III, 19, 1919	c3f	✓	22037
21426	IV, 6, 1919	d6c	✓	22085
21464	V, 23, 1919	=c ~~2nd~~	✓	22102
21649	VII, 30, 1919	c4f	✓	22170
22228	I, 10, 1920	d5c	✓	22334
22282	I, 17, 1920	d3c	✓	22341
22293	I, 19, 1920	d2c	✓	22343
22510	III, 11, 1920	d2c	✓	22395
22717	VII, 6, 1920	d4c	✓	22512
12 hrs. 20117	I, 11, 1918	d8d	✓	21725
20083	V, 1, 1918	d1c	✓	21715
20252	VII, 8, 1918	d4c	✓	21783
20474	IX, 10, 1918	d4c	✓	21847
20720	XI, 23, 1918	c1f	✓	21921
20756	XI, 27, 1918	c1f	✓	21925
20920	I, 8, 1919	d7c	✓	21967
21125	II, 11, 1919	d5c	✓	22001
21251	III, 8, 1919	d3c	✓	22026
21289	III, 20, 1919	d7c	✓	22038

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1899phae.proj...gpbG

+75 - 12hrs. V Ursae min, continued

AC 21416

↘	II, 5, 1919	d5c ✓	✓22084
21463	IV, 23, 1919	d6c ✓	✓22162
22281	I, 17, 1920	d6c ✓	✓22341
22494	III, 7, 1920	d5c ✓	✓22391
22624	V, 4, 1920	d1c ✓	✓22449
22657	V, 28, 1920	d1c ✓	✓22473
22784	VII, 28, 1920	=d ✓	✓22534
23073	XI, 14, 1920	d3c ✓	✓22643
~~14992~~	yellow	~~c b~~	
19953	III, 19, 1918	d4c ✓	✓21672
19908	III, 8, 1918	d7c ✓	✓21661
19638	II, 1, 1918	d3c ✓	✓21595
19095	XI, 8, 1917	d2c ✓	✓21541
18982	VII, 28, 1917	d3c ✓	✓21438
18815	V, 3, 1917	d3c ✓	✓21352
18689	III, 20, 1917	=c ✓	✓21308
18433	I, 14, 1917	c1b ✓	✓21243
18093	XI, 1, 1916	d8c ✓	✓21169
17920	XI 22, 1916	d7c ✓	✓21190
17737	VII, 29, 1916	d5c ✓	✓21074
17570	V, 6, 1916	d4c ✓	✓20990
17464	III, 31, 1916	d3c ✓	✓20954
17376	III, 1, 1916	d4c ✓	✓20924
17029	XI, 24, 1915	19d ✓	✓20826
16728	XI, 14, 1915	d1c ✓	✓20816
16593	VII, 17, 1915	d1c ✓	✓20696
16458	V, 13, 1915	d2c ✓	✓20631
16303	III, 20, 1915	c1b ✓	✓20577

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1899phae.proj..9G

1C +75 12hs.	V Ursae min. continued			
16225	III, 9, 1915	c2b ✓		✓20566
16028	I, 19, 1915	d8c ✓		✓20517
15208	V, 28, 1914	d5c ✓		✓20281
15141	IV, 30, 1914	d4c ✓		✓20253
14973	III, 13, 1914	d1c ✓		✓20205
~~14947~~	yellow	~~c1b~~		
14935	III, 8, 1914	d1c ✓		✓20200
14924	II, 27, 1914	d1c ✓		✓20191
14891	II, 17, 1914	d2c ✓		✓20181
14848	II, 7, 1914	d3c ✓		✓20171
14787	I, 17, 1914	d6c ✓		✓20150
14756	I, 10, 1914	d6c ✓		✓20143
14696	XII, 19, 1913	d5c ✓		✓20121
14452	X, 21, 1913	d5c ✓		✓20062
14087	VI, 13, 1913	d4c ✓		✓19932
14080	VI, 11, 1913	d6c ✓		✓19930
14073	VI, 10, 1913	=c ✓		✓19929
14029	V, 14, 1913	~~c1b~~ ✓	d6c	✓19902
13996	V, 2, 1913	d2c ✓		✓19890
13972	IV, 23, 1913	d2c ✓		✓19881
13857	III, 7, 1913	d4c ✓		✓19834
13815	II, 24, 1913	d1c ✓		✓19823
13799	II, 18, 1913	~~c1b~~ (?) ✓	d3c	✓19817
13748	II, 7, 1913	d3c ✓		✓19806
13695	I, 28, 1913	d8c ✓		✓19796
13664	I, 21, 1913	d7c ✓		✓19789
13656	I, 14, 1913	=c ✓		✓19782
13519	XI, 28, 1912	d4c ✓		✓19735
13513	XI, 26, 1912	d2c ✓		✓19733
13149	V, 28, 1912	d5c ✓		✓19551

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1899phae.proj...9090G

AC +75 12 hrs — V Ursae min. continued

13116	III, 27, 1912	d4c		19520
13084	III, 10, 1912	d5c		19503
13060	III, 3, 1912	d4c		19496
13044	III, 30, 1912	d6c		19492
13027	III, 25, 1912	d6c		19487
12896	II, 8, 1912	d4c		19441
12884	II, 6, 1912	d4c		19439
12833	I, 7, 1912	d8c		19409
12590	IX, 28, 1911	d2c		19308
12524	VIII, 22, 1911	=c		19271
12436	VIII, 8, 1911	d8c		19226
12409	VI, 30, 1911	d5c		19218
12357	II, 26, 1911	d4c		19094
12319	I, 30, 1911	d3c		19067
12316	I, 28, 1911	c1b		19065
9560	VI, 18, 1908	c1b		18111
+60° 15 hrs				
23102	XII, 2, 1920	d4c		22661
22982	X, 14, 1920	d6c		22612
22597	IV, 14, 1920	d2c		22429
22428	II, 20, 1920	=d		22375
22128	XII, 18, 1919	d5c		22311
21959	X, 29, 1919	d6c		22261
21512	VI, 10, 1919	d4c		22120
21395	IV, 27, 1919	d5c		22076
21328	IV, 2, 1919	c1b		22051
21141	II, 16, 1919	=d		22006
21123	II, 11, 1919	d2c		22001
20620	X, 24, 1918	d6c		21891

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1899phae.proj..90G

AC
+60 −15 hrs.

V Vesta min. continued

20222	IV, 20, 1918	d5c ✓	✓	21765
20043	IV, 7, 1918	d3c ✓	✓	21691
19795	II, 8, 1918	d4c ✓	✓	21633
19622	XII, 22, 1917	d3c ✓	✓	21585
18794	IV, 19, 1917	d2c ✓	✓	21338
18585	II, 20, 1917	d2c ✓	✓	21280
18333	XII, 22, 1916	d1c ✓	✓	21220
17872	IX, 13, 1916	d6c ✓	✓	21120
17746	VIII, 1, 1916	d6c ✓	✓	21077
17657	VI, 13, 1916	d1c ✓	✓	21028
17499	IV, 7, 1916	d3c ✓	✓	20961
17349	II, 26, 1916	d6c ✓	✓	20920
	yellow	~~e8b~~ ✓		
16686	VIII, 26, 1915	d2c	✓	20736
16679	VIII, 25, 1915	d4c ✓	✓	20735
16520	VI, 8, 1915	e2b ✓	✓	20657
16385	IV, 18, 1915	=c ✓	✓	20596
16168	II, 24, 1915	d8c ✓	✓	20556
16016	I, 10, 1915	d6c ✓	✓	20508
15335	VIII, 20, 1914	d3c ✓	✓	20334
15246	VI, 19, 1914	d5c ✓	✓	20303
15216	V, 29, 1914	d1c ✓	✓	20282
15184	V, 17, 1914	d2c ✓	✓	20270
15157	V, 3, 1914	d2c ✓	✓	20256
15151	V, 1, 1914	d2c ✓	20254 ✓	20254
15119	IV, 22, 1914	d4c ✓	✓	20245
15109	IV, 18, 1914	d3c ✓	✓	20241
~~15096~~	~~II, 13, 1914~~	~~c4b~~ ✓		~~20236~~

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1899phae.proj...gdoG

V Vulcanus minus continued

AC				
15025	III	24, 1914	d4c	20216
14975	III	13, 1914	d2c	20205
~~14960~~	~~III~~	~~11, 1914~~	~~c1b~~	~~20203~~
14916	II	25, 1914	d1c	20189
14736	XII	30, 1913	d3c	20132
14350	IX	10, 1913	d3c	20021
14287	VIII	23, 1913	d5c	20003
14242	VIII	7, 1913	d4c	19987
14197	VII	22, 1913	d5c	19971
14170	VII	13, 1913	d1c	19962
14106	VI	23, 1913	d5c	19942
14101	VI	18, 1913	d3c	19937
14067	VI	6, 1913	d8c	19925
14046	V	29, 1913	c1b	19917
14037	V	19, 1913	c1b	19907
13991	IV	30, 1913	d1c	19888
13980	IV	25, 1913	d3c	19883
13887	III	17, 1913	d4c	19844
13871	III	9, 1913	d3c	19836
13842	III	5, 1913	d1c	19832
13719	II	1, 1913	d6c	19800
13214	VII	7, 1912	d7c	19591
13203	VII	5, 1912	d6c	19589
13175	VI	13, 1912	c3b	19567
13168	VI	9, 1912	c1b	19563
13111	IV	25, 1912	d5c	19518
13013	III	18, 1912	d2c	19480
12445	VII	11, 1911	~~d1c~~ d5c	19229
12437	VII	8, 1911	d8c	19226

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1899phae.proj..9G

AC

V Ursae min. continued

12396	VI, 7, 1911	d4c ✓	✓ 19195
12893	VI, 3, 1911	d3c ✓	✓ 19191
+60 -12hrs.			
12905	II, 9, 1912	d7c ✓	✓ 19442
12963	II, 28, 1912	d4c ✓	✓ 19461
13045	III, 30, 1912	d3c ✓	✓ 19492
13049	III, 31, 1912	d3c ✓	✓ 19493
13075	IV, 8, 1912	d4c ✓	✓ 19501
13097	IV, 20, 1912	d3c ✓	✓ 19513
13107	IV, 25, 1912	d5c ✓	✓ 19518
13129	V, 11, 1912	d2c ✓	✓ 19534
13132	V, 17, 1912	d2c ✓	✓ 19540.
13138	V, 18, 1912	d1c ✓	✓ 19541
13161	VI, 8, 1912	d9c ✓	✓ 19569
13174	VI, 13, 1912	c2b ✓	✓ 19567
13184	VII, 2, 1912	d6c ✓	✓ 19586
13201	VII, 5, 1912	d5c ✓	✓ 19589
13229	VII, 22, 1912	d2c ✓	✓ 19606
13524	XI, 29, 1912	d4c ✓	✓ 19736
13641	I, 12, 1913	=c ✓	✓ 19780
13869	III, 9, 1913	d2c ✓	✓ 19836
13977	IV, 25, 1913	d3c ✓	✓ 19883
13989	IV, 30, 1913	d1c ✓	✓ 19888
14036	V, 19, 1913	d5c ✓	✓ 19907
14059	VI, 3, 1913	d8c ✓	✓ 19922
14820	I, 31, 1914	d2c ✓	✓ 20164
14880	II, 14, 1914	d3c ✓	✓ 20178
14890	II, 16, 1914	d3c ✓	✓ 20180

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1899phae.proj..gpbG

AC 12 hrs +60

V Ursae min. continued

14925	II	27	1914	d 1 c	20191
14934	III	8	1914	d 2 c	20200
14972	III	13	1914	d 3 c	20205
15012	III	22	1914	d 3 c	20214
~~15053~~	~~IV~~	~~3~~	~~1914~~	~~c 3 b~~	~~20226~~
15125	IV	23	1914	d 4 c	20246
15153	V	2	1914	d 2 c	20255
15811	XI	28	1914	d 2 c	20465
16148	II	20	1915	d 5 c	20549
16374	IV	7	1915	d 9 c	20595
16391	IV	12	1915	d 8 c	20600
16639	VIII	11	1915	complete d 8 c	20721
17138	XII	19	1915	d 3 c	20851
17452	III	28	1916	d 3 c	20951
17507	IV	10	1916	d 4 c	20964
17676	VI	23	1916	d 3 c	21038
17778	VIII	14	1916	c 1 b	21690
18291	XII	12	1916	d 4 c	21210
18339	XII	23	1916	d 2 c	21221
18545	II	11	1917	d 5 c	21271
18595	II	22	1917	d 3 c	21282
18759	IV	4	1917	d 7 c	21323
18788	IV	17	1917	d 3 c	21336
18910	VI	22	1917	d 5 c	21402
19593	XII	12	1917	= d	21575
19758	II	1	1918	d 5 c	21626
19828	II	15	1918	d 4 c	21640
20051	IV	15	1918	d 1 c	21699

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1899phae.proj..9G9G

AC

V Vulpeculae min. continued

20850	XII, 19, 1918	d 1 c ✓	✓	21947
22110	XII, 14, 1919	d 2 c ✓	✓	22307
22226	I, 10, 1920	d 3 c ✓	✓	22334
22370	II, 9, 1920	= d ✓	✓	22364
22427	II, 20, 1920	1 9 d ✓	✓	22375
22585	II, 10, 1920	d 4 c ✓	✓	22425
~~26 1~~	III, 24, 189	d 2 c		
13 hr 16226	III, 9, 1915	c 2 b ✓	✓	20566
16587	III, 15, 1915 poor plate	d 2 c ✓	✓	20694
16738	IV, 15, 1915	d 1 c ✓	✓	20756
17041	IV, 26, 1915	1 9 d ✓	✓	20828
17456	III, 28, 1916	d 1 c ✓	✓	20951
17571	V, 16, 1916	d 4 c ✓	✓	20990
17625	V, 27, 1916	d 4 c ✓	✓	21008
17887	IX, 16, 1916	d 6 c ✓	✓	21123
17929	IX, 25, 1916	d 9 c ✓	✓	21132
18371	XII, 29, 1916	d 6 c ✓	✓	21227
18447	I, 16, 1917	c 1 b ✓	✓	21245
18668	III, 15, 1917	d 3 c ✓	✓	21303
18697	III, 22, 1917	d 6 c ✓	✓	21310
18816	IV, 3, 1917	d 2 c ✓	✓	21352
18986	III, 31, 1917	d 7 c ✓	✓	21441
19079	IX, 15, 1917	d 1 c ✓	✓	21477
19480	XI, 16, 1917	d 5 c ✓	✓	21549
19685	I, 15, 1918	d 3 c ✓	✓	21609
19889	III, 2, 1918	d 5 c ✓	✓	21655
19954	III, 19, 1918	d 4 c ✓	✓	21672
20099	IV, 7, 1918	= d ✓	✓	21721
20312	VII, 26, 1918	d 2 c ✓	✓	21801

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1899phae.proj...gif

AC

V Ursae min. continued

20637	XI, 2, 1918	= c		21900
20744	XI, 26, 1918	d8c		21924
20921	I, 8, 1919	d7c		21967
21226	III, 2, 1919	d2c		22020
21312	III, 31, 1919	c/b		22049
21425	IV, 6, 1919	d3c		22085
16267	III, 14, 1915	d8c		20571
16433	IV, 6, 1915	d1c		20624
16965	XI, 10, 1915	d3c	20612	~~20872~~
17243	I, 23, 1916	d2c		20886
17457	III, 28, 1916	d2c		20951
17863	IX, 11, 1916	d5c		21118
18432	I, 14, 1917	~~d4c~~		21243
18740	III, 30, 1917	= c		21318
18823	V, 9, 1917	d3c		21358
19446	XI, 12, 1917	d3c		21545
19687	I, 15, 1918	= d		21609
19890	III, 2, 1918	d3c		21655
20130	V, 15, 1918	d1c		21729
20152	V, 19, 1918	d/c		21733
20251	VII, 8, 1918	d3c		21783
20280	VII, 16, 1918	c/b		21791
20287	VII, 18, 1918	d5c		21795
20324	VII, 28, 1918	d2c		21803
20475	IX, 10, 1918	d4c		21847
20503	IX, 15, 1918	d1c		21859
20725	XI, 25, 1918	= c		21993
21018	I, 29, 1919	d4c		21988
21274	III, 13, 1919	d6c		22031

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1899phae.proj..900G

AC

V Ursae min. continued

21437	V, 13, 1919	d4c ✓		✓22092
21466	V, 25, 1919	d7c ✓		✓22104
21650	VIII, 30, 1919	c1b ✓		✓22170
22234	I, 11, 1920	d3c ✓		✓22335
22512	III, 17, 1920	d6c ✓		✓22401
23033	XI, 5, 1920	d4c ✓		✓22634
+90 12367	V, 13, 1911	d1c ✓		✓19170
12375	V, 21, 1911	d1c ✓		✓19178
12970	II, 29, 1912	d2c ✓		✓19462
13807	II, 23, 1913 Pon	d2c ✓		✓19699
14072	VI, 10, 1913	d3c ✓		✓19929
14089	VI, 14, 1913	d4c ✓		✓19933
14187	VII, 19, 1913	d4c ✓		✓19968
15192	V, 22, 1914	d1c ✓		✓20275
16305	III, 20, 1915	=c ✓		✓20577
16421	IV, 21, 1915	d1c ✓		✓20609
17515	IV, 12, 1916	d1c ✓		✓20966
17609	V, 19, 1916	d5c ✓		✓21003
18596	II, 22, 1917	d2c ✓		✓21982
20063	IV, 25, 1918	d3c ✓		✓21709
20094	V, 4, 1918	d1c ✓		✓21718
20235	V, 25, 1918	d2c ✓		✓21770
20260	VII, 12, 1918	d4c ✓		✓21787
21310	III, 26, 1919	c1b ✓		✓22044
21378	IV, 23, 1919	d5c ✓		✓22079
21398	IV, 29, 1919	d2c ✓		✓22078
21457	V, 19, 1919	d5c ✓		✓22096
~~21473~~	~~V, 27, 1919~~	~~d1c~~ ✓		✓22106
21551	VI, 22, 1919	d5c ✓		✓22132
22615	IV, 28, 1920	d1c ✓		✓22443

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1899phae.proj..9G0G

AC V Ursae min, continued

for further estimates see P. 92

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1899phae.proj..9G

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1899phae..proj...9G

AC +30-3h ~~WI~~ Wz Persei

16254	III, 13, 1915	✓	e 2 d		20570
16942	XI, 6, 1915	✓	= d		20808
16968	XI, 10, 1915	✓	d 2 c		20812
17073	XII, 4, 1915	✓	e 8 d		20836
17247	I, 24, 1916	✓	e 4 d		20887
17860	IV, 10, 1916		[e	check again	21117
17934	IV, 25, 1916	✓	e 3 d		21132
18109	XI, 5, 1916	✓	e 2 d		21173
18225	XI, 22, 1916	✓	e 3 d		21190
18399	I, 6, 1917	✓ pm	= e		21235
18676	III, 19, 1917	✓	e 5 d		21307
18701	III, 24, 1917	pm	[e	check again	21312
18952	VII, 15, 1917	✓	= d		21425
19126	IX, 12, 1917	✓	d 2 c		21484
19383	XI, 3, 1917	✓	d 1 c		21536
19435	XI, 10, 1917	✓	= d		21543
19632	I, 1, 1918	✓	d 3 c		21595
20479	IX, 14, 1918	✓	e 4 d		21851
20654	XI, 7, 1918	✓	e 2 d		21905
20683	XI, 11, 1918	✓	= e		21909
20738	XI, 26, 1918		[e	check again	21924
21955	III, 10, 1919		[e		22028
21984	XI, 19, 1919	✓	e 7 d		22272
21993	XI, 13, 1919	✓	e 8 d		22276
22039	XI, 30, 1919	✓	d 9 c		22293
22213	I, 5, 1920		[e		22329
22297	I, 21, 1920	✓ pm	e 6 d		22345
22473	III, 2, 1920	✓	= d		22386
23046	XI, 8, 1920		e 6 d		22634

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1899phae.proj..9GG

WZ

AC +30 3h ~~WI~~ Persei continued

23085	XI	26,	1920	✓	e3d	22655
23139	XII	16,	1920	✓	e4d	22675
23103	XII	6,	1920	✓	e4d	22665
22995	X	19,	1920	✓	e5d	22617
22936	X	3,	1920	✓	e8d	22601
22444	II	26,	1920	✓	=d	22381
22420	II	20,	1920	✓	d1c	22375
22404	II	16,	1920	✓	=d	22371
22136	XII	20,	1919	✓	e5d	22313
22112	XII	15,	1919	✓	e4d	22308
22096	XII	10,	1919	✓	e7d	22303
21930	X	20,	1919	✓	[d	22259
21892	X	8,	1919	✓	e5d	22240
21763	VIII	28,	1919	✓	e1d	22199
21059	II	3,	1919		[e	check again 21993
20845	XII	19,	1918	✓	e4d	21947
20558	X	1,	1918	✓	e1d	21868
18550	II	12,	1917	✓	e6d	21272
18365	XII	29,	1916	✓	e4d	21227
18312	XII	16,	1916	✓	e3d	21214
18283	XII	10,	1916	✓	e1d	21208
18069	X	27,	1916	✓	=e	21164
17273	II	3,	1916	✓	=d	20897
17075	XII	4,	1915	✓	d1c	20836
16845	X	15,	1915	✓	e7d	20786
16358	IV	1,	1915	✓	=e	20589
16133	II	19,	1915	✓	e5d	20548
16017	I	13,	1915	✓	e3d	20511
16009	I	10,	1915	✓	e2d	20508

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1899phae.proj...gpbG

AC +30 4h UZ Persei continued

15985	I, 8, 1915	✓	e 2 d	20506
15924	XII, 23, 1914	✓	e, d	20490
15915	XII, 22, 1914	✓	e 2 d	20489
15806	XI, 28, 1914	✓	e 2 d	20465
15787	XI, 26, 1914	✓	e 4 d	20463
15765	XI, 22, 1914	✓	e 4 d	20459
15758	XI, 21, 1914	✓	e 2 d	20458
15742	XI, 17, 1914	✓	e, d	20454
15730	XI, 16, 1914	✓	e 3 d	20453
15612	X, 13, 1914	✓	e 3 d	20419
15413	VIII, 26, 1914	✓	= e	20371
15406	VIII, 25, 1914	✓	= e	20370
14809	I, 25, 1914	✓	f 5 e	20158
14790	I, 18, 1914	✓	f 3 e	20151
14571	XII, 20, 1913	✓	f 2 e	20092
14451	X, 21, 1913	✓	f 3 e	20062
13829	III, 2, 1913	✓	= e	19829
13761	II, 10, 1913	✓	e, d	19809
13740	II, 6, 1913	✓	e 4 d	19805
13636	I, 10, 1913	✓	e 6 d	19778
13613	I, 1, 1913	✓	e 5 d	19769
13608	XII, 30, 1912	✓	e 6 d	19767
13422	XI, 2, 1912	✓	e 6 d	19709
13366	X, 19, 1912	✓	e 2 d	19695
13306	X, 6, 1912	✓ poor	e, d	19682
12965	II, 29, 1912	✓	= e	19462
12899	II, 9, 1912	✓	f 7 e	19442
12867	I, 24, 1912	✓	e 2 d	19426
12747	XII, 18, 1911	✓ poor	f 5 e	19359

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1899phae.proj..900G

AC +30 4h

ζ Persei continued

12324	II, 15,	1911 ✓		13e		19083
12295	I, 17,	1911 ✓		13e		19054
12172	XII, 3,	1910 ✓		14e		19009
12106	XI, 11,	1910 ✓		e1d		18987
12097	XI, 7,	1910 ✓		e1d		18983
12060	X, 28,	1910 ✓		e2d		18973
11494	III, 18,	1910 ✓	poor	e5d		18749
11391	II, 18,	1910 ✓		e5d		18721
11294	I, 12,	1910 ✓		e4d		18684
11279	I, 10,	1910 ✓		e5d		18682
11257	I, 7,	1910 ✓		e4d		18679
12689	X, 28,	1911 ✓	poor	e2d		19338
13481	XI, 17,	1912 ✓		e4d		19724
13558	XII, 7,	1912 ✓		e3d		19744
~~13608~~	~~XII, 30,~~	~~1912~~		~~e5d~~	repetition	
14727	XII, 29,	1913 ✓		15e		20131
14881	II, 15,	1914 ✓		15e		20179
15575	X, 9,	1914	poor	1e	omitted	20409
5h 18745	IV, 3,	1917 ✓		e5d		21322
+45 −3h.				~~e3d~~		
11267	I, 8,	1910 ✓		e3d		18680
11293	I, 12,	1910 ✓		e4d		18684
11300	I, 13,	1910 ✓	poor	1d		18685
11352	II, 5,	1910 ✓		e4d		18708
11364	II, 7,	1910 ✓		e3d		18710
11441	III, 7,	1910 ✓		e2d		18738
11937	IX, 15,	1910 ✓	poor	=d	e5d poor	18930
12114	XI, 12,	1910 ✓		e2d		18988
12138	XI, 19,	1910 ✓		=e		18995

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1899phae.proj..gmG

UZ Persei continued

16164	II	27,	1915	✓	e, d	20556
16691	VIII	26,	1915	✓	d3e	20736
16805	X	3,	1915	✓	e5d	20774
17074	XII	4,	1915	✓ poor	e6d	20836
17189	XII	31,	1915	✓	e4d	20835
17977	X	5,	1916	✓	e2d	21142
18044	X	23,	1916	✓	e, d	21160
18305	XII	14,	1916	✓	e, d	21212
18549	II	12,	1917	✓	e3d	21272
19035	VIII	18,	1917	✓ very poor	e2d	21459
19227	X	1,	1917	✓ " "	=c	21503
19312	X	20,	1917	✓	d2c	21522
19546	XII	3,	1917	✓	e7d	21566
19569	XII	5,	1917	✓	e6d	21572
19814	II	13,	1918	✓	e6d	21638
20579	X	7,	1918	✓	=e	21874
20790	XII	6,	1918	✓	8e	21934
20856	XII	21,	1918	✓	e, d	21949
21069	II	5,	1919	✓	2e	21995
21751	VIII	26,	1919 poor	✓	2e omitted	22197
21891	X	8,	1919	✓	=d	22240
21968	X	29,	1919	✓	e5d	22261
22047	XII	1,	1919	✓	e6d	22294
22053	XII	2,	1919	✓	e5d	22295
22167	XII	29,	1919	✓	e2d	22322
22391	II	14,	1920	✓	e5d	22369
22419	II	20,	1920	✓	e5d	22375
22967	X	9,	1920	✓	e8d	22607
23148	XII	18,	1920	✓	e5d	22677

15e

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1899phae.proj..900G

4h +45

UZ Persei continued

12228	XII	22	1910	√		16e	19028
12240	XII	27	1910	√		17e	19033
12261	XII	31	1910	√		=e	19037
12267	I	4	1911	√		=e	19041
12331	II	18	1911	√	poor	Ee	19086
12338	II	21	1911	√		12e	19089
12607	X	4	1911	√	poor	<e	19314
12613	X	7	1911	√	fogged	1d	19317
12785	XII	13	1911	√		19e	19384
12838	I	10	1912	√		1=e	19412
12846	II	8	1912	√		18e	19441
12898	II	9	1912	√		15e	19442
12974	III	1	1912	√		=e	19463
13291	X	4	1912	√	poor	e7d	19680
13365	X	19	1912	√	very poor	e3d	19695
13376	X	20	1912	√		e2d	19696
13406	X	30	1912	√		e3d	19706
13461	XI	9	1912	√		e4d	19716
13539	XII	2	1912	√	poor	e8d	19739
13644	I	13	1913	√		e1d	19781
13647	I	14	1913	√		e3d	19782
13722	II	2	1913	√		e1d	19801
13817	II	25	1913	√		18e	19824
14488	X	31	1913	√		16e	20072
14515	XI	15	1913	√		15e	20077
14523	XI	16	1913	√		19e	20078
14604	XI	26	1913	√		e1d	20098
14614	XII	3	1913	√		=e	20105

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1899phae.proj..gmpG

UZ Persei continued

14689	XII, 19, 1913	✓	∫5e		20121
14714	XII, 28, 1913	✓	∫4e		20130
~~14740~~	~~I, 5, 1914~~	~~doubling?~~	~~e3b~~	omitted	~~20138~~
~~14750~~	~~I, 10, 1914~~	~~fixed~~	~~[b~~	omitted	~~20143~~
~~14815~~	~~I, 28, 1914~~	~~night angle?~~	~~=b~~		
14895	II, 21, 1914	✓	e2d		20185
15550	IX, 28, 1914	✓	e3d		20404
15722	XI, 14, 1914	✓	e1d		20451
15776	XI, 23, 1914	✓	e2d		20460
15795	XI, 27, 1914	✓	e4d		20464
15874	XII, 16, 1914	✓	e4d		20483
15897	XII, 18, 1914	✓	e3d		20485
15935	XII, 26, 1914	✓	e5d		20493
15960	I, 4, 1915	✓	e4d		20502
16914	XI, 11, 1915	✓	e3d		20803
16970	XI, 10, 1915	✓	e4d		20812
17370	III, 4, 1916	✓	e3d		20927
18106	XI, 3, 1916	✓	e1d		21171
18653	III, 13, 1917	✓	=e		21301
18991	VII, 31, 1917	✓	e1d		21441
19195	IX, 25, 1917	✓	[d		21497
19393	XI, 4, 1917	✓	e4d		21537
19406	XI, 5, 1917	✓	e5d		21538
19485	XI, 18, 1917	✓	e7d		21551
19645	I, 4, 1918	✓	e9d		21598
19700	I, 19, 1918	✓	=d		21613
19946	III, 18, 1918	✓	e7d		21671
20695	XI, 12, 1918	✓	=e		21910
20739	XI, 26, 1918	✓	[d		21924

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1899phae.proj..9..G

RC 1905-10 Agate A 4 1920 RH

UZ Persei continued

21653	III, 30, 1919 ✓	e6d		22170
21813	IX, 18, 1919 ✓	[d		22290
21987	XI, 9, 1919 ✓ poor	[d		22276
21994	XI, 13, 1919 ✓	e7d		22306
22195	I, 3, 1920 ✓	[d		22327
22253	I, 14, 1920 ✓	e2d		22338
22275	I, 17, 1920 ✓	e1d		22341
22310	I, 26, 1920 ✓	=e		22350
22887	IX, 19, 1920 ✓	d4c		22587
23067	XI, 13, 1920 ✓	e1d		22642

MC

4010	IX, 29, 1913 ✓	e5d		20040
I 39706	XII, 20, 1919 ✓	e8d		22313
39732	I, 17, 1920 ✓	e4d		22341
40172	XII, 8, 1920 ✓	e6d		22667
MC 4522	XII, 28, 1913 ✓	=1		20130
3768	IX, 8, 1913 ✓	1.9e		20019
15606	XII, 30, 1918 ✓	e2d		21958

AC +45-3h

~~e6d~~				
5925	I, 31, 1905 ✓	e6d		16877
5979	II, 11, 1905 ✓	e4d		16888
5990	II, 13, 1905 ✓	e2d		16890
6164	III, 13, 1905 ✓	e5d		16918
6608	VIII, 18, 1905 ✓ poor	[e		17076
6733	IX, 25, 1905 ✓	18e		17114
6766	X, 3, 1905 ✓	e2d		17122
6784	X, 5, 1905 ✓	e3d		17124

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1899phae..proj..9G

U Z Persei continued

6817	X, 9, 1905	√	e1d	17128
6842	X, 14, 1905	√	e6d	17133
6883	X, 23, 1905	√	e4d	17142
6917	X, 30, 1905	√	e5d	17149
6943	XI, 4, 1905	√	e3d	1715-4
6946	XI, 6, 1905	√	e2d	17156
7116	XII, 18, 1905	√	=e	17198
7178	I, 17, 1906	√	∫7e	17228
7187	I, 21, 1906	√	∫8e	17232
7195	I, 24, 1906	√	=e	17235
7254	II, 3, 1906	√	e1d	17245
7291	II, 17, 1906	√	∫7e	17259
7343	III, 4, 1906	√	e1d	17274
7402	III, 22, 1906	√	Σe	17292
7821	IX, 17, 1906	√	=e	17471
8080	XII, 3, 1906	√	e1d	17548
8167	I, 21, 1907	√	e2d	17597
8261	II, 18, 1907	√	e3d	17625
8317	III, 5, 1907	√	Σd	17640
8879	X, 16, 1907	√	e4d	17865
8980	XI, 10, 1907	√	Σd	17890
8991	XI, 12, 1907	√	e2d	17892
9015	XI, 25, 1907	√	e4d	17905
9068	XII, 12, 1907	√	e6d	17922
9124	I, 1, 1908	√	e6d	17942
9136	I, 3, 1908	√	e5d	17944
9164	I, 10, 1908	√	e7d	17951
9235	II, 4, 1908	√	e2d	17976
9296	II, 28, 1908	√	Σe	18000

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1899phae.proj..9099G

AC+45-3h

UZ Persei continued

9900	XI, 12, 1908 ✓	f7e		18258
9940	XI, 21, 1908 ✓	f7e		18267
9997	XII, 5, 1908 ✓	f7e		18281
10058	XII, 15, 1908 ✓	f3e		18291
10074	XII, 19, 1908 ✓	=f		18295
10220	II, 18, 1909 ✓	e1d		18346
10646	VII, 19, 1909 ✓	[e		18507
10713	VIII, 12, 1909 ✓	[d		18531
10925	X, 15, 1909 ✓	e1d		18595
10933	X, 16, 1909 ✓	e2d		18596
11007	XI, 4, 1909 ✓	e2d		18615
11022	XI, 6, 1909 ✓	=e		18617
11105	XI, 30, 1909 ✓	e3d		18641
11116	XII, 4, 1909 ✓	=e		18645
11129	XII, 6, 1909 ✓	e4d		18647
11169	XII, 18, 1909 ✓	e6d		18659
11193	XII, 21, 1909 poor	e2d		18662
11234	XII, 31, 1909 ✓	e4d		18672

+30 3h		~~f7e~~		
8052	XI, 24, 1906 ✓ poor	f7e		17539
8222	II, 8, 1907 ✓	e1d		17615
11022	XI, 6, 1909 ✓	e, d		18617
+30 4h 5813	I, 8, 1905 ✓	=d		16854
5872	I, 22, 1905 ✓	e6d		16868
5966	II, 8, 1905 ✓	e8d		16885
6001	II, 14, 1905 ✓	e5d		16891
6081	II, 28, 1905 ✓	e4d		16905
6090	III, 1, 1905 ✓	e2d		16906

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UZ Persei

6111	III	3,	1905	e 5d	16908
6211	III	23,	1905	e 9d	16928
6631	VIII	23,	1905	e 6d	17081
6683	IX	10,	1905	e 2d	17099
6687	IX	13,	1905	e, d	17102
6705	IX	21,	1905	e 2d	17110
6724	IX	24,	1905	e 2d	17113
6734	IX	25,	1905	e 3d	17114
6740	IX	26,	1905	e 2d	17115
6785	X	5,	1905	e 2d	17124
6818	X	10,	1905	poor e, d	17129
6955	XI	8,	1905	e 5d	17158
7229	I	29,	1906	= e	17240
7245	II	2,	1906	∫ 2 e	17244
7348	III	5,	1906	e, d	17275
7383	III	18,	1906	∫ 9 e	17288
7761	VIII	31,	1906	poor ∫ 2 e	17454
7854	IX	27,	1906	= e	17481
7911	X	12,	1906	∫ 8 e	17496
7924	X	14,	1906	e 2d	17498
8017	XI	14,	1906	∫ 8 e	17529
8044	XI	23,	1906	∫ 5 e	17538
8104	XII	17,	1906	∫ 6 e	17562
8109	XII	18,	1906	= e	17563
8220	II	7,	1907	∫ 9 e	17614
8271	II	21,	1907	e, d	17628
8842	X	8,	1907	∠ e	17857
8866	X	13,	1907	= e	17862

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1899phae.proj..9099G

UZ Persei

8932	X, 26, 1907	✓	e, d		17875
8933	X, 26, 1907	✓	e 3d		17875
8986	XI, 11, 1907	✓	e 5d		17891
9055	XII, 8, 1907	✓	e 6d		17918
9199	I, 25, 1908	✓	e 2d		17966
9222	I, 31, 1908	elongated	= e		17972
9273	II, 18, 1908	✓	e 4d		17990
9276	II, 20, 1908	✓	e 2d		17992
9303	II, 29, 1908	✓	e 4d		18001
9312	III, 5, 1908	✓	e 6d		18006
9672	VIII, 20, 1908.	✓	[illegible]		18174
9911	XI, 13, 1908	✓	1 4e		18259
9973	XII, 1, 1908	✓	1 5e		18277
10081	XII, 21, 1908	✓	1 4e		18297
10091	XII, 23, 1908	✓	1 2e		18299
10173	I, 26, 1909	✓	= e		18333
10195	II, 1, 1909	✓	= e		18339
10231	II, 17, 1909	✓	1 8e		18355
10806	IX, 7, 1909	✓	e 7d		18557
10865	X, 4, 1909	✓	e 5d		18584
10931	X, 16, 1909	✓	e 4d		18596
10968	X, 25, 1909	✓	e 4d		18605
11000	XI, 3, 1909	✓	e 5d		18614
11115	XII, 4, 1909	✓	e 5d		18645

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AM -30 18h

AI Scorpii

6946	V, 28, 1910 ✓		e4d		18820
6952	V, 29, 1910 ✓		f9e		18821
7008	VI, 8, 1910 ✓		[d		18831
7033	VI, 25, 1910 ✓		=c		18848
7063	VII, 2, 1910 ✓		e5d		18855
7084	VII, 6, 1910 ✓		e2d		18859
7163	VII, 31, 1910 ✓	elongated	e5d		18884
7195	VIII, 8, 1910 ✓	poor	e6d		18892
7265	IX, 4, 1910 ✓		d5c		18919
7402	IV, 26, 1911 ✓		e1d		19153
7458	VI, 16, 1911 ✓		f1e		19204
7523	VII, 6, 1911 ✓	poor	[d		19224
7549	VII, 15, 1911 ✓		[f		19233
7606	VII, 23, 1911 ✓		[e		19241
7657	VIII, 4, 1911 ✓		[e		19253
7676	VIII, 15, 1911 ✓		[e		19264
7792	IX, 20, 1911 ✓	scratched	[e		19300
7841	X, 1, 1911 ✓		[e		19311
8206	V, 19, 1912 ✓	faint	[e		19542
8301	VI, 7, 1912 ✓		[f		19561
8307	VI, 8, 1912 ✓		[f		19562
8369	VI, 18, 1912 ✓		g1f		19572
8390	VII, 4, 1912 ✓	poor	g[f		19588
8423	VII, 9, 1912 ✓		[g		19593
8469	VII, 17, 1912 ✓	poor	[f		19601
8485	VII, 19, 1912 ✓		g3f		19603
8492	VII, 20, 1912 ✓		g2f		19604
8559	VIII, 17, 1912 ✓		[f		19632
8579	VIII, 30, 1912 ✓		f2d e		19645

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1899phae.proj..9G9G

AI Scorpii

8598	IX, 4, 1912 ✓		f5e	19650
8851	IX, 1, 1913 ✓		f2e	19889
8903	X, 10, 1913 ✓		e1b	19898
8937	X, 23, 1913 ✓		e1d	19911
8944	X, 24, 1913 ✓		e1d	19912
8999	XI, 3, 1913 ✓		f5e	19922
9090	XI, 23, 1913 ✓	poor	e3d	19942
9131	XI, 28, 1913 ✓		f4e	19947
9146	XII, 1, 1913 ✓		f4e	19950
9197	XII, 10, 1913 ✓		d1c	19959
9267	XII, 28, 1913 ✓		e5d	19977
9304	VIII, 5, 1913 ✓		f1e	19985
9336	VIII, 9, 1913 ✓		f1e	19989
9386	IX, 1, 1913 ✓		d7c	20012
9392	IX, 2, 1913 ✓	poor	=d	20013
9455	IX, 16, 1913 ✓	"	=e	20027
9541	X, 3, 1913 ✓		=c	20044
9937	VII, 14, 1914 ✓		[f	20328
9943	VII, 15, 1914 ✓		[f	20329
9947	VII, 16, 1914 ✓		[f	20330
9977	VII, 23, 1914 ✓		[g	20337
9983	VII, 24, 1914 ✓		[g	20338
10038	VIII, 9, 1914 ✓		[f	20354
10085	VIII, 21, 1914 ✓		[f	20366
10088	VIII, 22, 1914 ✓		[f	20367
10093	VIII, 27, 1914 ✓		=g	20372
10098	IX, 8, 1914 ✓		g1f	20384
10146	IX, 18, 1914 ✓		[g	20394
10180	X, 8, 1914 ✓		g1f	20414

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1899phae.proj...9G9G

AI Scorpii

10570	V, 8, 1915 ✓		d3c		20626
10764	VII, 9, 1915 ✓		e2d		20688
10788	VII, 12, 1915 ✓		e4d		20691
10822	VII, 16, 1915 ✓		d4c		20695
10902	VII, 29, 1915 ✓		d2c		20708
11084	IX, 6, 1915 ✓		e4d		20747
11276	IX, 28, 1915 ✓		c1b		20769
11689	V, 19, 1916 ✓		e2d		20993
11775	V, 22, 1916 ✓		c1b		21006
11785	V, 23, 1916 ✓		c6b		21007
11805	V, 25, 1916 ✓		c4b		21009
11829	V, 27, 1916 ✓		c2b		21011
12127	VII, 3, 1916 ✓	diffuse image	c3b		21048
12208	VII, 17, 1916 ✓		e6d		21062
12216	VII, 18, 1916 ✓		e4d		21063
12235	VII, 21, 1916 ✓		e5d		21066
12508	IX, 28, 1916 ✓		e3d	21135	~~21073~~
12535	IX, 30, 1916 ✓		e2d		21137
13141	V, 15, 1917 ✓		[illegible]		21364
13400	VII, 14, 1917 ✓	poor	[illegible]		21424
14154	VII, 13, 1918 ✓		e6d		21788
14244	VII, 31, 1918 ✓		c1b		21806
14869	VII, 26, 1919 ✓		c2b		22166
15021	IX, 23, 1919 ✓		e3d		22225
15294	VII, 10, 1920 ✓		gg		22516

30 19h

9239	VII, 24, 1913 ✓	poor	e3d		19973
9938	VII, 14, 1914 ✓	"	[illegible]		20328

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1899phae.proj..9@9G

AI Scorpii

10032	VIII, 7, 1914 ✓	[e		20352
10606	VI, 2, 1915 ✓	e4d		20651
10641	VI, 6, 1915 ✓	e4d		20655
10718	VI, 20, 1915 ✓	e5d		20669
10968	VIII, 9, 1915 ✓	[d		20719
10976	VIII, 11, 1915 ✓	[d		20721
10994	VIII, 14, 1915 ✓	[d		20724
11317	X, 5, 1915 ✓ pm	[e		20776
11916	VI, 7, 1916 ✓	[C		21022
11956	VI, 11, 1916 ✓	e1d		21026
12032	VI, 20, 1916 ✓	[d		21035
12064	VI, 24, 1916 ✓	[d		21039
12287	VIII, 1, 1916 ✓ pm	[h		21077
12298	VIII, 3, 1916 ✓	c3h		21079
12338	VIII, 16, 1916 ✓	d3c		21092
12363	VIII, 23, 1916 ✓	e4d		21099
12386	VIII, 28, 1916 ✓	[d		21104
12674	X, 24, 1916 pm ✓	[d		21164
13278	VI, 14, 1917 ✓	[C		21394
13304	VI, 18, 1917 ✓	[d		21398
13333	VI, 22, 1917 ✓	[d		21402
13480	VIII, 6, 1917 ✓	[d		21447
13489	VIII, 9, 1917 ✓	[d		21450
13503	VIII, 12, 1917 ✓	[d		21453
13513	VIII, 14, 1917 ✓	[e		21453
14062	VI, 12, 1918 ✓ pm	[d		21757
14070	VI, 13, 1918 ✓	[d		21758
14281	VIII, 11, 1918 ✓	[d		21817

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1899phae.proj...0090G

AI Scorpii

14288	VIII	13	1918	✓		d5c	21819
14356	VIII	29	1918	✓		d2c	21835
14887	VIII	2	1919	✓		=d	22173
14950	VIII	24	1919	✓		Lc	22195
15381	VIII	5	1920	✓	poor	d1c	22542
15408	VIII	12	1920	✓		Lb	22549
15419	VIII	14	1920	✓		Lb	22551
15536	X	9	1920	✓	very poor?	La	22608
17h 8064	IV	16	1912	✓		Lb	19509
8122	IV	25	1912	✓		Lb	19518
8565	VIII	19	1912	✓		La	19634
8574	VIII	28	1912	✓		Le	19643
8578	VIII	30	1912	✓		e2d	19645
9123	VI	27	1913	✓		Ld	19946
10427	IV	17	1915	✓		e3d	20605
10435	IV	18	1915	✓		e4d	20606
10623	VI	4	1915	✓		e6d	20653
10632	VI	5	1915	✓		e7d	20654
10656	VI	10	1915	✓		d5c	20659
10662	VI	11	1915	✓		=c	20660
10715	VI	20	1915	✓		e9d	20669
10722	VI	21	1915	✓		e4d	20676
10973	VIII	10	1915	✓		Le	20720
11316	X	5	1915	✓		d1c	20776
11875	VI	2	1916	✓		d4c	21017
11915	VI	7	1916	✓		~~d4c~~	21022
11926	VI	8	1916	✓		e2d	21023
12285	VIII	11	1916	✓		c1b	21077

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1899phae.proj..900G

A I Scorpii

13337	VII, 23, 1917	✓	[		21403
13478	VIII, 6, 1917	poor	[	4 omitted	21447
13488	VIII, 9, 1917	poor	[	"	21450
13492	VIII, 10, 1917	✓	[		21451
13497	VIII, 11, 1917	✓	[		21452
13676	X, 14, 1917	✓	[e		21516
14022	VI, 4, 1918	✓	e 6 d		21749
14037	VI, 6, 1918	✓	e 8 d		21751
14048	VI, 10, 1918	✓	9 e		21755
14061	VI, 12, 1918	✓	7 e		21757
14083	VI, 15, 1918	✓	5 e		21760
14260	VIII, 4, 1918	✓	c 4 b		21810
14266	VIII, 6, 1918	✓	c 6 b		21812
14782	VI, 21, 1919	✓	d 8 c		22131
14807	VI, 26, 1919	✓	e 6 d		22136
14885	VIII, 2, 1919	✓	= d		22173
14938	VIII, 21, 1919	✓	= d		22192
14958	VIII, 26, 1919	✓	e 9 d		22197
15376	VIII, 14, 1920	✓	2 e		22541
15417	VIII, 14, 1920	✓ poor	[d		22551

+45 17h

6861	IV, 4, 1910	✓	[		18766
6971	VI, 1, 1910	✓	7 e		18824
7069	VII, 3, 1910	✓	e, d		18856
7157	VII, 30, 1910	✓	[d		18883
7170	VIII, 1, 1910	✓	e, d		18885
7221	VIII, 27, 1910	✓	2 e		18911
7310	IX, 24, 1910	✓	[e		18939
7394	II, 22, 1911	✓	e 3 d		19149

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1899phae.proj..gpg

A I Scorpii

7405	III	30	1911	✓	17 e	19157
7411	IV	2	1911	✓	1 e	19159
7452	VI	15	1911	✓	2 e	19203
7461	VI	17	1911	✓	1 e	19205
7469	VI	23	1911	✓	1 e	19211
7495	VI	27	1911	✓	1 e	19215
7515	VII	5	1911	✓	1 f	19223
7541	VII	13	1911	✓	1 f	19231
7567	VII	18	1911	✓	1 e	19236
7607	VII	23	1911	✓	3 e	19241
7625	VII	31	1911	✓	1 e	19249
7629	VIII	1	1911	✓	1 f	19250
7638	VIII	2	1911	✓	1 f	19251
7675	VIII	15	1911	✓	1 e	19264
7743	IX	12	1911	✓	1 e	19292
7819	IX	23	1911	✓	1 e	19303
8189	V	17	1912	✓	1 e	19540
8214	V	20	1912	✓✓	1 e	19543
8237	V	23	1912	✓	1 f	19546
8246	V	24	1912	✓	1 f	19547
8263	V	27	1912	✓	1 f	19550
8282	VI	4	1912	✓	1 f	19558
8294	VI	6	1912	✓	1 g	19560
8334	VI	13	1912	✓	1 e	19567
8361	VI	17	1912	poor	1 f omitted	19571
8389	VII	4	1912	✓	1 g	19588
8494	VII	20	1912	✓	1 g	19604
8606	IX	6	1912	✓	1 e	19652
8634	IX	13	1912	✓	1 e	19659

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1899phae.proj..9G9G

A I Scorpii

8731	V, 19, 1912	✓	[d	19695
8844	VI, 30, 1913	✓	d2c	19888
8870	V, 5, 1913	✓	c2b	19893
8890	V, 9, 1913	✓	=c	19897
8932	V, 26, 1913	✓	[d	19914
8984	V, 31, 1913	✓	e1d	19919
8998	VI, 3, 1913	✓ pm	[c	19922
9038	VI, 9, 1913	✓	c1b	19928
9061	VI, 11, 1913	✓	=c	19930
9098	VI, 24, 1913	✓	e5d	19943
9115	VI, 26, 1913	✓	[d	19945
9182	VII, 8, 1913	✓	e1d	19957
9231	VII, 23, 1913	✓	e3d	19972
9238	VII, 24, 1913	✓	e2d	19973
9296	VIII, 2, 1913	✓	[d	19982
9375	VIII, 28, 1913	✓	d1c	20008
9387	IX, 1, 1913	✓	[c	20012
9405	IX, 4, 1913	✓	[c	20015
9505	IX, 27, 1913	✓	[b	20038
9533	X, 2, 1913	✓ pm	d8c	20043
9554	X, 6, 1913	✓	d3c	20047
9802	V, 29, 1914	✓	[d	20282
9818	VI, 2, 1914	✓	[d	20286
9883	VI, 20, 1914	✓	[e	20304
9894	VI, 23, 1914	✓	[e	20307
9907	VI, 29, 1914	✓	g1f	20313
9918	VII, 1, 1914	✓	g6f	20315

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1899phae.proj..gif

AI Scorpii

9926	VII	10	1914	✓	[illegible]	20324
9935	VII	13	1914	✓	[illegible]	20327
9942	VII	15	1914	poor	[illegible] e	20329
9969	VII	22	1914	✓	[illegible]	20336
9989	VII	25	1914	✓	[illegible]	20339
10021	VIII	3	1914	poor	[illegible] e	20348
10084	VIII	21	1914	✓	[illegible]	20366
10087	VIII	22	1914	✓	[illegible]	20367
10096	VIII	28	1914	✓	[illegible]	20373
10099	IX	8	1914	✓	[illegible]	20384
10138	IX	17	1914	✓	[illegible]	20393
10213	X	20	1914	✓	[illegible]	20426
10736	VII	1	1915	✓	[illegible] 3e	20680
10769	VIII	10	1915	✓	=e	20689
11111	IX	9	1915	✓	e 2d	20750
11145	IX	13	1915	✓	[illegible] d	20754
11155	IX	14	1915	✓	e 1d	20755
11557	III	19	1916	✓	[illegible] d	20932
11673	V	6	1916	✓	e 5d	20990
11710	V	11	1916	✓	e 5d	20995
11774	V	22	1916	✓	C 1b	21006
11783	V	23	1916	✓	C 2b	21007
11802	V	25	1916	✓	C 2b	21009
11827	V	27	1916	✓	e 1b	21011
11846	V	28	1916	✓	=C	21012
(2) 10812	VII	15	1915	✓	=d	20694
12105	VII	1	1916	✓	8C	21046
12117	VII	2	1916	✓	C 1b	21047

omitted

omitted

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1899phae.proj..9G

A I Scorpii

12142	VIII, 5, 1916	✓	o, t		21050
13148	IV, 16, 1917	✓	[d		21365
13167	V, 19, 1917	✓	[e		21368
13187	V, 23, 1917	✓	[e		21372
13390	VII, 11, 1917	✓	[e		21421
13399	VII, 14, 1917	✓	[e		21424
13416	VII, 17, 1917	✓	[e		21427
13433	VII, 20, 1917	✓	[e		21430
13438	VII, 21, 1917	✓	[e		21431
13986	V, 17, 1918	poor	=e		21731
13994	V, 18, 1918	✓	e2d		21732
14127	VII, 1, 1918	✓	c, b		21776
14148	VII, 12, 1918	✓ poor	d, c		21787
14456	IX, 29, 1918	✓ "	e, d		21866
14461	IX, 30, 1918	✓	[d		21867
14864	VII, 24, 1919	✓	c, b		22164
15290	VII, 8, 1920	✓	f, e		22514
15304	VII, 14, 1920	✓	=f		22520
15466	IX, 5, 1920	✓	[d		22573

+45-18h

9929	VII, 11, 1914	✓	[f		20325
10043	VIII, 11, 1914	✓	[e		20356
10605	VI, 2, 1915	✓ poor	e, d		20651
10624	VI, 4, 1915	✓	e2d		20653
10640	VI, 6, 1915	✓	e6d		20655
10684	VI, 15, 1915	✓	d, c		20664
10710	VI, 19, 1915	✓	=d		20668
10717	VI, 20, 1915	✓ poor	e, d	omitted	20669
10984	VIII, 13, 1915	✓ "	f5e	omitted	20723

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1899phae.proj..gpbG

AI Scorpii

10785	VIII	13, 1915 ✓	Ld	20723
10993	VIII	14, 1915 ✓	=e	20724
11073	VIII	29, 1915 ✓	=d	20739
11078	VIII	31, 1915 ✓	=d	20741
11305	X	4, 1915 ✓	d8c	20775
11888	VI	3, 1916 ✓	d6c	21018
11903	VI	6 1916 ✓	e9d	21021
11944	VI	10, 1916 ✓	e4d	21025
12286	VIII	1, 1916 ✓	d5c	21077
12291	VIII	2, 1916 ✓	d8c	21078
12309	VIII	5, 1916 ✓	=c d9c	21081
12582	X	14, 1916 ✓	d9c	21151
12599	X	17, 1916 ✓	d5c	21154
12614	X	18, 1916 ✓	d4c	21155
13007	IV	14, 1917 ✓	Lf	21333
13055	IV	25, 1917 ✓	=g	21344
13255	VI	11, 1917 ✓	Lg	21391
13277	VI	14, 1917 ✓	Le	21394
13295	VI	17, 1917 ✓	Le	21397
13479	VIII	6, 1917 ✓	Lf	21447
13485	VIII	8, 1917 ✓	Le	21449
13498	VIII	11, 1917 ✓	Le	21452
13507	VIII	13, 1917 ✓	Le	21454
13516	VIII	15, 1917 ✓	Le	21456
13677	X	14, 1917 ✓	Ld	21516
13688	X	21, 1917 ✓	Ld	21523
14023	VI	4, 1918 ✓	d4c	21749
14038	VI	6, 1918 ✓	d1c	21751

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1899phae.proj..9G9G

A I Scorpii

14261	VIII, 4, 1918	√	d4c		21810
14267	VIII, 6, 1918	√	d5c		21812
14352	VIII, 28, 1918	√	e8d		21834
14791	VI, 23, 1919	√	d2c		22133
14881	VIII, 1, 1919	√	e5d		22172
14939	VIII, 21, 1919	√	d2c		22192
15418	VIII, 14, 1920	√	[d		22551
+45 19h					
6947	V, 28, 1910	√ poor plate	[d		18820
6977	VI, 2, 1910	√ " "	[d		18825
7085	VII, 6, 1910	√ " "	[b	omitted	18859
7108	VII, 10, 1910	√ " "	[b	omitted	18863
7171	VIII, 1, 1910	√ " "	[b	omitted	18885
7184	VIII, 3, 1910	√	e1d		18887
7227	VIII, 28, 1910	poor	[d	omitted	18912
7266	IX, 4, 1910	√	d1c		18919
7286	IX, 9, 1910	√	[d		18924
8629	IX, 12, 1912	√	[c		19658
8699	X, 11, 1912	√ poor	[b	omitted	1
10765	VII, 9, 1915	√	[b	omitted	20685
10771	VII, 10, 1915	√	[c		20689
10813	VII, 15, 1915	√	d2c		20694
10841	VII, 18, 1915	√	d5c		20697
10921	VII, 31, 1915	√	[c		20710
11095	IX, 7, 1915	√ poor	[d		20748
11112	IX, 9, 1915	√	[d		20750
11146	IX, 13, 1915	√ poor	[c	omitted	20754
11156	IX, 14, 1915	√	[d		20755
11450	XI, 13, 1915	√ poor	[c		20815

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1899phae.proj...gif0G

A I Scorpii

11690	V, 9, 1916	✓		Ed	20983
11817	V, 26, 1916	✓		c2b	21010
11862	V, 29, 1916	✓		c1b	21013
12107	VII, 1, 1916	✓		c2b	21046
12128	VII, 3, 1916	✓		c4b	21048
12144	VII, 5, 1916	✓		c1b	21050
12746	XI, 1, 1916	✓	poor	Ed	21169
12885	III, 21, 1917	✓		Eb	21309
12893	III, 23, 1917	✓		Ec	21311
13411	VII, 16, 1917	✓		Ed	21426
13418	VII, 17, 1917	✓		Ed	21427
13446	VII, 27, 1917	✓		Ed	21437
14128	VII, 1, 1918	✓		c1b	21776
14141	VII, 8, 1918	✓		Ec	21783
14144	VII, 16, 1918	✓		e5d	21786
14161	VII, 14, 1918	✓		e6d	21789
14368	IX, 2, 1918	✓		=c	21839
14375	IX, 6, 1918	✓		o2b	21843
14868	VII, 25, 1919	✓		d3c	22165
15291	VII, 8, 1920	✓		Ed	22514
15468	IX, 6, 1920	✓	poor	E bmitted	22574
15496	IX, 14, 1920	✓		Ed	22582

15 18h

10614	VI, 3, 1915	✓		Ee	20652
10701	VI, 18, 1915	✓	poor	Eb	20667
10723	VI, 21, 1915	✓		e8d	20670
10967	VIII, 9, 1915	✓		Ed	20719
10975	VIII, 11, 1915	✓		Ed	20721
11927	VI, 18, 1916	✓		Ed	21023

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1899phae.proj..900G

A I Scorpii

12297	VIII	3, 1916 ✓	e 2 b		21079
12304	VIII	4, 1916 ✓	e 2 b		21080
12337	VIII	16, 1916 ✓	d 3 c		21092
12362	VIII	23, 1916 ✓	= d		21099
12382	VIII	27, 1916 ✓	e 1 d		21103
12613	X	18, 1916 ✓	poor d 3 c		21155
12626	X	19, 1916 ✓	" d 4 c		21156
12663	X	23, 1916 ✓	d 3 c		21160
13270	VI	13, 1917 ✓	poor e 3 d		21393
13303	VI	18, 1917 ✓	" = e		21398
13312	VI	19, 1917 ✓	[d		21399
13493	VIII	10, 1917 ✓	poor [e		21455
13512	VIII	14, 1917 ✓	[e		21455
13530	VIII	21, 1917 ✓	[e		21462
13689	X	21, 1917 ✓	poor [e		21523
14069	VI	13, 1918 ✓	" e 2 d		21758
14280	VIII	11, 1918 ✓	" = c		21817
14287	VIII	13, 1918 ✓	d 9 c		21819
14363	VIII	30, 1918 ✓	poor d 4 c		21836
14804	VI	25, 1919 ✓	[d .		22135
14886	VIII	2, 1919 ✓	poor e 3 d		22173
15425	VIII	13, 1920	poor [b	omitted	22552

AC
~15-18h

16315	III	23, 1915 ✓	poor [b		20580
16448	V	10, 1915 ✓	" d 1 c		20628
16570	VII	9, 1915 ✓	" [c		20688
17733	VII	19, 1916 ✓	" [c		21064
18862	V	25, 1917	" [b	omitted	21374

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1899phae.proj..gpbG

A I Scorpii

20084 IX, 1, 1918 ✓ poor Ic 21715

AC
~~15~~ 17
12383 IV, 27, 1911 ✓ poor Ic 19184
12523 VIII, 22, 1911 ✓ " Ic 19271
13029 III, 25, 1912 ✓ " Ic 19487
13099 IV, 20, 1912 ✓ " Ic 19513

AC
~~30~~
B 4487 VII, 25, 1914 ✓ =g 20339
45001 VIII, 17, 1914 ✓ g6 20362
45046 IX, 10, 1914 ✓ g6 20386
45047 IX, 10, 1914 ✓ g4 20386
45416 VIII, 2, 1915 ✓ g7e 20712
43766 VI, 10, 1913 ✓ e2 19929
44711 VII, 1, 1914 ✓ =1 20315
44720 VII, 2, 1914 ✓ g8 20316
44724 VII, 2, 1914 ✓ g4 20316
44733 VII, 2, 1914 ✓ g5 20316
44932 VIII, 11, 1914 ✓ g4 20356
44840 VII, 22, 1914 ✓ Ig 20336
44861 VII, 24, 1914 ✓ Ig 20338
42562 VIII, 4, 1911 ✓ g2 19253
42234 IV, 26, 1911 ✓ e4d 19147
41380 V, 29, 1910 ✓ e3d 18821
42309 V, 19, 1911 ✓ e1d 19176
50994 VII, 12, 1917 ✓ If 21392
51036 VII, 14, 1917 ✓ =f 21394

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AI Scorpii

51099	VI	18	1917	✓	[e	21398
51140	VI	19	1917	✓	[e	21399
51159	VI	20	1917	✓ poor	[d	21400
51183	VI	21	1917	✓	[e	21401
51199	VI	22	1917	✓	[e	21402
46594	V	19	1916	✓	=e	20993
46777	V	22	1916	✓	c2b	21006
46833	V	25	1916	✓	c4b	21009

AM -15 17h

7456	VI	16	1911	✓	[e	19204
7482	VI	25	1911	poor	[c omitted	19213
7548	VII	15	1911	✓	[e	19233
7568	VII	18	1911	poor	[a omitted	19236
7577	VII	19	1911	✓	"	d3c det	19237
7598	VII	22	1911	✓	"	d2c	19240
7690	VIII	18	1911	✓	[c	19267
7739	IX	8	1911	✓	[e	19288
7810	IX	22	1911	✓ poor	[c	19302
8072	IV	17	1912	✓	[c	19510
8080	IV	18	1912	✓	[c	19511
8119	IV	24	1912	✓	[c	19517
8123	IV	25	1912	✓	[c	19518
8198	V	18	1912	✓	[d	19541
8221	V	21	1912	poor	[c omitted	19544
8229	V	22	1912	"	[c "	19545
8292	VI	6	1912	"	[d	19560
8302	VI	7	1912	"	[d omitted	19561

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1899phae.proj..9099G

AI Scorpii

8344	VII	14	1912	✓	[e	19568
8416	VII	8	1912	✓	poor [c	19592
8422	VII	9	1912	✓	" [d	19593
8456	VII	15	1912	✓	" [c	19599
8484	VII	19	1912		[d omitted	19603
8514	VII	31	1912	✓	[d	19615
8541	VIII	5	1912	✓	[c	19620
8576	VIII	29	1912	✓	[e	19644
8597	IX	4	1912	✓ poor	=d	19650
8706	X	12	1912	✓	[c	19688
8902	V	10	1913	✓	d1c	19898
8936	V	23	1913	✓	[d	19911
8992	VI	2	1913	✓	[c	19921
9057	VI	11	1913	✓	d2c	19930
9067	VI	12	1913	✓ poor	d3c	19931
9099	VI	24	1913	✓ "	e5d	19943
9152	VII	2	1913		[e omitted	1995-1
9264	VII	27	1913	✓	[d	19976
9463	IX	18	1913	✓ poor	[a	20029
9540	X	3	1913	✓	[c	20044
10758	VII	4	1915	✓ scratched	[d	20683
10820	VII	16	1915	✓ poor	[d	20695
13409	VII	16	1917	✓	[d	21426
13439	VII	27	1917	✓	[e	21437
14243	VII	31	1918	✓ poor	[a	21806

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T T Persei

+45 1h

AC 950	VIII, 1, 1900	d2c ✓	✓15233
1154	I, 18, 1901	d3c ✓	✓15403
1181	I, 29, 1901	e9d ✓	✓15404
1222	II, 8, 1901	d6c ✓	✓15424
1690	VIII, 28, 1901	d8c ✓	✓15625
1727	IX, 7, 1901	[b ✓	✓15635
1852	X, 8, 1901	c1b ✓	✓15666
1884	X, 19, 1901	d9c ✓	✓15677
1956	XI, 4, 1901	d6c ✓	✓15708
2045	XII, 4, 1901	c2b ✓	✓15723
2134	I, 1, 1902	=c ✓	✓15751
2194	I, 16, 1902	[b ✓	✓15766
2280	II, 6, 1902	d9c ✓	✓15787
2342	II, 19, 1902	d9c ✓	✓15800
2711	VIII, 30, 1902	c1b ✓	✓15961
2741	IX, 12, 1902	d9c ✓	✓15974
2876	X, 8, 1902	d3c ✓	✓16031
2929	X, 23, 1902	d1c ✓	✓16046
2936	X, 25, 1902	d1c ✓	✓16048
2942	X, 28, 1902	e3d ✓	✓16051
2957	X, 31, 1902	e8d ✓	✓16054
3079	XII, 18, 1902	d1c ✓	✓16102
3086	XII, 20, 1902	d1c ✓	✓16104
3136	I, 1, 1903	d2c ✓	✓16116
3239	II, 3, 1903	e5d ✓	✓16149
3310	II, 18, 1903	e5d ✓	✓16164
3943	IX, 15, 1903	from =c ✓	✓16318
4144	X, 31, 1903	d3c ✓	✓16419
4210	XI, 14, 1903	d8c ✓	✓16433

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1899phae.proj..gpbG

Ti Ti Persei

4228	XI	19,	1903	poor	d3c ✓	✓16438
4259	XI	25,	1903		c1b ✓	✓16444
4321	XII	7,	1903		d9c ✓	✓16456
4330	XII	8,	1903		d4c ✓	✓16457
4406	XII	14,	1903		d4c ✓	✓16468
4440	XII	26,	1903		d6c ✓	✓16475
4472	XII	31,	1903		d5c ✓	✓16480
4562	I	25,	1904	poor	d8c ✓	✓16505
4596	II	3,	1904		c4b ✓	✓16514
5067	VII	16,	1904	"	[c ✓	✓16678
5132	VIII	9,	1904		d9c ✓	✓16702
5153	VIII	18,	1904		c1b ✓	✓16711
5215	VIII	31,	1904		d9c ✓	✓16724
5226	IX	5,	1904		d8c ✓	✓16729
5291	IX	27,	1904		d4c ✓	✓16751
5296	IX	28,	1904		[c ✓	✓16752
5313	X	1,	1904		d4c ✓	✓16755
5411	X	22,	1904		d2c ✓	✓16776
5436	X	27,	1904	bubbles	d5c ✓	✓16781
5455	X	30,	1904		d8c ✓	✓16784
5487	XI	5,	1904		d9c ✓	✓16790
5547	XI	17,	1904		d8c ✓	✓16802
5624	XI	28,	1904		=c ✓	✓16813
5655	XII	3,	1904		c2b ✓	✓16818
5713	XII	13,	1904	poor	d2c ✓	✓16825
5787	XII	30,	1904		c1b ✓	✓16846
5795	I	4,	1905		c7b ✓	✓16850
5856	I	19,	1905	poor	d9c ✓	✓16865
6023	II	18,	1905		d8c ✓	✓16895

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1899phae.proj..900G

T. T. Perseid

6488	III, 4, 1905	d2c ✓	✓	17031
6527	VII, 19, 1905	d2c ✓	✓	17046
6621	VIII, 22, 1905	d1c ✓	✓	17080
6682	IX, 10, 1905	e9d ✓	✓	17099
6697	IX, 20, 1905	d2c ✓	✓	17109
6730	IX, 25, 1905	d2c ✓	✓	17114
6753	IX, 28, 1905	d2c ✓	✓	17117
6845	X, 16, 1905	d1c ✓		17135
6857	X, 17, 1905	d3c ✓	✓	17136
6904	X, 28, 1905	d1c ✓	✓	17147
6952	XI, 8, 1905	d1c ✓	✓	17158
7060	XI, 27, 1905	d2c ✓	✓	17177
7083	XII, 5, 1905	d2c ✓	✓	17185
7176	I, 17, 1906	d3c ✓		17228
7276	II, 11, 1906	d4c ✓	✓	17243
7304	II, 20, 1906	d5c ✓	✓	17262
7335	III, 1, 1906	d7c ✓	✓	17271
7722	VIII, 17, 1906	d4c ✓	✓	17440
7771	IX, 1, 1906	d3c ✓	✓	17455
8000	IX, 10, 1906	d4c ✓	✓	17465
8022	XI, 16, 1906	d5c ✓		17531
8030	XI, 19, 1906	d5c ✓	✓	17534
8056	XI, 25, 1906	d1c ✓	✓	17540
8118	XII, 19, 1906	d9c ✓	✓	17564
8255	II, 15, 1907	e1b ✓	✓	17622
8625	VII, 21, 1907	d1c ✓	✓	17778
8701	VIII, 15, 1907	d1c ✓	✓	17803
8747	IX, 6, 1907	d1c ✓	✓	17825

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T. T. Perseï

8809	IX	30	1907		d3c	17849
8865	X	12	1907		d3c	17861
8878	X	16	1907		=c	17865
8893	X	18	1907		c,b	17867
8997	XI	14	1907		d3c	17894
9036	XII	30	1907		d2c	17910
9122	I	1	1908		d,c	17942
9123	I	1	1908		d2c	17942
9129	I	2	1908		d2c	17943
9242	II	7	1908		d4c	17979
9605	III	5	1908	pour	d3c	18128
9660	III	29	1908		d8c	18152
9692	III	28	1908		d5c	18182
9760	IV	29	1908		d5c	18214
9872	V	1	1908		=c	18247
9915	V	15	1908		=c	1826
9962	V	28	1908		d8c	18274
9990	VI	3	1908		d3c	18279
10032	VI	10	1908	pour	d4c	18286
10040	VI	12	1908		d2c	18288
10171	I	25	1909		c,b	18332
10210	II	6	1909		c,b	18344
10267	II	26	1909		=c	18364
10577	VI	21	1909	pour	d3c	18479
10622	VII	7	1909		d5c	18495
10923	X	15	1909		d2c	18595
10937	X	17	1909		d2c	18597
10975	X	26	1909		d2c	18606
10983	X	29	1909		d2c	18609

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T. J. Persei

11020	XI, 6, 1909	d2c ✓	✓ 18617	
11040	XI, 10, 1909	d1c ✓	✓ 18621	
11090	XI, 29, 1909	d1c ✓	✓ 18640	
11125	XII, 6, 1909	d2c ✓	✓ 18647	
11144	XII, 9, 1909	d1c ✓	✓ 18650	
11254	I, 7, 1910	d1c ✓	✓ 18679	
11265	I, 8, 1910	d2c ✓	✓ 18680	
11316	I, 19, 1910	d1c ✓	✓ 18691	
11750	II, 4, 1910	d2c ✓	✓ 18857	
11781	III, 11, 1910	d2c ✓	✓ 18864	
11981	IX, 1, 1910	d3c ✓	✓ 18946	
11999	IX, 5, 1910	d2c ✓	✓ 18950	
12026	IX, 11, 1910	d3c ✓	✓ 18956	
12066	IX, 29, 1910	d5c ✓	✓ 18974	
12192	XII, 9, 1910	d3c ✓	✓ 19015	
12238	XII, 27, 1910	d4c ✓	✓ 19033	
12259	XII, 31, 1910	d8c ✓	✓ 19037	
12478	III, 31, 1911	d4c ✓	19249 ✓ ~~19051~~	
12505	VIII, 18, 1911	=c ✓	✓ 19267	
12535	IX, 1, 1911	ma d8c ✓	✓ 19281	
12587	IX, 27, 1911	d7c ✓	✓ 19307	
12645	X, 13, 1911	d6c ✓	✓ 19323	
12714	XI, 3, 1911	d6c ✓	✓ 19344	
12758	XI, 29, 1911	d5c ✓	✓ 19370	
12773	XII, 7, 1911	d3c ✓	✓ 19378	
12795	XII, 19, 1911	d2c ✓	✓ 19390	
12836	I, 10, 1912	d4c ✓	✓ 19419	
12877	II, 5, 1912	d3c ✓	✓ 19438	
12897	II, 9, 1912	d2c ✓	✓ 19442	

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T. T. Bensi

13237	IX,	16,	1912	d2c	19662
13283	X,	2,	1912	d1c	19678
13320	X,	8,	1912	d1c	19684
13349	X,	16,	1912	d1c	19712
13384	X,	21,	1912	=d	19717
13515	XI,	27,	1912	d2c	19734
13522	XI,	29,	1912	d4c	19736
13677	I,	25,	1913	d8c	19793
13729	II,	4,	1913	d6c	19803
14144	III,	3,	1913	=c	19952
14190	III,	19,	1913	d9c	19968
14276	III,	20,	1913	d7c	20000
14343	IV,	8,	1913	c6	20019
14520	V,	6,	1913	d8c	20078
14585	V,	22,	1913	d6c	20094
14622	V,	5,	1913	d8c	20107
14763	I,	12,	1914	d7c	20145
14829	II,	4,	1914	d3c	20168
15339	III,	20,	1914	d4c	20334
15378	III,	17,	1914	d3c	20362
15486	IV,	15,	1914	pec e8d	20391
15530	IV,	22,	1914	d2c	20398
15533	IV,	23,	1914	d1c	20399
15573	V,	3,	1914	pec =d	20409
15740	V,	17,	1914	d3c	20454
15983	I,	8,	1915	d3c	20506
16029	I,	20,	1915	d4c	20518
16132	II,	19,	1915	d2c	20548

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T. T. Perrei

16831	X, 11, 1915	d9c ✓		✓ 20782
17061	XII, 1, 1915	d8c ✓		✓ 20833
17697	VI, 29, 1916	d8c ✓		✓ 21044
17891	IX, 16, 1916	e5d ✓		✓ 21123
18029	X, 17, 1916	e5d ✓		✓ 21154
18068	X, 27, 1916	e9d ✓		✓ 21164
18245	XII, 1, 1916	e9d ✓		21199
18322	XII, 19, 1916	d1c ✓		✓ 21217
18926	VI, 27, 1917	d1c ✓		✓ 21407
19061	VIII, 26, 1917	d2c ✓		✓ 21467
19256	X, 7, 1917	=c ✓		21509
19285	X, 14, 1917	d8c ✓		✓ 21516
19556	XII, 7, 1917	d8c ✓		✓ 21570
19567	XII, 9, 1917	=c ✓		✓ 21572
19784	II, 5, 1918	d9c ✓		✓ 21630
20392	VIII, 19, 1918	d1c ✓		✓ 21825
20556	X, 1, 1918	d1c ✓		✓ 21868
20784	XII, 5, 1918	e9d ✓		✓ 21933
20892	XII, 30, 1918	d1c ✓		✓ 21958
21117	II, 11, 1919	d1c ✓		✓ 22001
21686	VIII, 9, 1919	d2c ✓		✓ 22180
21735	VIII, 23, 1919	=d ✓		✓ 22194
21761	VIII, 28, 1919	=d ✓		✓ 22199
21897	X, 12, 1919	d3c ✓		✓ 22244
21903	X, 13, 1919	d3c ✓		✓ 22245
22048	XII, 1, 1919	d2c ✓		✓ 22294
22416	II, 19, 1920	d4c ✓		✓ 22374
23112	XII, 7, 1920	d5c ✓		✓ 22666
23147	XII, 18, 1920	d3c ✓		✓ 22677

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T. T. Persei

673	I	10,	1900	c, b ✓	✓ 15030
698	I	30,	1900	c, b ✓	✓ 15050
703	II	1,	1900	c, b ✓	✓ 15052
1015	IX	24,	1900	d2c ✓	✓ 15287
4642	II	12,	1904	d3c ✓	✓ 16523
5773	XII	28,	1904	d5c ✓	✓ 16843
5831	I	14,	1905	d1c ✓	✓ 16860
6053	II	23,	1905	d4c ✓	✓ 16900
6063	II	25	1905	d8c ✓	✓ 16902
6191	III	17,	1905	d1c ✓	✓ 16922
7007	XI	18,	1905	d2c ✓	✓ 17168
9130	I	2,	1908	defect [c ✓	✓ 17943
11800	VII	26,	1910	d3c ✓	✓ 18879
16220	III	9	1915	d3c ✓	✓ 20566
16307	III	23,	1915	d1c ✓	✓ 20580
16584	VI	12,	1915	d1c ✓	✓ 20691
16719	IX	10,	1915	d5c ✓	✓ 20751
16912	XI	1	1915	d7c ✓	✓ 20803
16958	XI	8,	1915	d5c ✓	✓ 20810
17023	XI	22,	1915	d1c ✓	✓ 20824
17254	I	28,	1916	d8c ✓	✓ 20891
17393	III	11,	1916	d9c ✓	✓ 20934
17400	III	16,	1916	" c4b ✓	✓ 20939
17777	VII	13,	1916	" d5c ✓	✓ 21089
17867	IX	11,	1916	d1c ✓	✓ 21118
17895	IX	17,	1916	d1c ✓	✓ 21124
17927	IX	23,	1916	d ✓	✓ 21130
17955	IX	28,	1916	e5d ✓	✓ 21135
18099	XI	2,	1916	d2c ✓	✓ 21170 6743

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T. T. Persei

18153	XI, 10, 1916	d1c ✓		✓21178
18165	XI, 11, 1916	d2c ✓		✓21179
18439	I, 16, 1917	d2c ✓		✓21245
18633	III, 9, 1917	pm =d ✓		✓21297
19116	IX, 11, 1917	d4c ✓		✓21483
19166	IX, 19, 1917	pm d7c ✓		✓21491
19375	X, 2, 1917	d7c ✓		✓21535
19415	X, 7, 1917	d5c ✓		✓21540
19474	XI, 16, 1917	d3c ✓		✓21549
19662	I, 12, 1918	d5c ✓		✓21606
19690	II, 16, 1918	d9c ✓		✓21610
19930	III, 16, 1918	d8c ✓		✓21669
20255	VII, 8, 1918	d4c ✓		✓21783
20327	VII, 28, 1918	d2c ✓		✓21803
20461	IX, 6, 1918	d2c ✓		✓21843
20533	IX, 27, 1918	d1c ✓		✓21864
20633	XI, 2, 1918	d1c ✓		✓21900
20672	XI, 10, 1918	d2c ✓		✓21908
20750	XI, 27, 1918	d2c ✓		✓21925
20768	XI, 30, 1918	d1c ✓		✓21928
20992	I, 20, 1919	d3c ✓		✓21979
21212	III, 1, 1919	d1c ✓		✓22019
21812	IX, 18, 1919	d7c ✓		✓22220
21971	XI, 2, 1919	d2c ✓		✓22265
22005	XI, 18, 1919	d1c ✓		✓22281
22012	XI, 20, 1919	d3c ✓		✓22283
22031	XI, 24, 1919	d4c ✓		✓22287

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T. T. Persei

22266	I,	15,	1920		c1b ✓	✓22339
22296	I,	21,	1920		=c ✓	✓22345
22740	~~XII~~,	15,	1920	poor	d9c ✓	✓22521
23047	~~XI~~,	8,	1920		d4c ✓	✓22637
664	I,	6,	1900		c3b ✓	✓15026
680	I,	21,	1900		c4b ✓	✓15041
1006	~~IX~~,	19,	1900	poor	=c ✓	✓15282
1054	~~XII~~,	14,	1900		d2c ✓	✓15368
1182	I,	29,	1901		d1c ✓	✓15414
1309	~~II~~,	28,	1901		d3c ✓	✓15444
1315	~~III~~,	2,	1901	poor	d2c ✓	✓15446
1317	~~III~~,	6,	1901		d1c ✓	✓15450
1384	~~III~~,	30,	1901	poor	=c ✓	✓15474
1853	~~X~~,	8,	1901		d6c ✓	✓15666
2075	~~XII~~,	12,	1901		c1b ✓	✓15731
2219	I,	20,	1902		d3c ✓	✓15770
2235	I,	24,	1902		d4c ✓	✓15774
2261	~~II~~,	3,	1902	double	d5c ✓	✓15784
2306	~~II~~,	10,	1902		~~d6~~c ✓	✓15791
2743	~~VIII~~,	12,	1902		=c ✓	✓15974
2913	~~X~~,	20,	1902		=d ✓	✓16043
2938	~~X~~,	25,	1902		d1c ✓	✓16048
2987	~~XI~~,	8,	1902		=d ✓	✓16061
3009	~~XI~~,	22,	1902		eqd ✓	✓16075
3061	~~XII~~,	8,	1902		d1c ✓	✓16092
5159	~~VIII~~,	21,	1904	poor	c1b ✓	✓16714
5186	~~VIII~~,	26,	1904		=c ✓	✓16719
5239	~~IX~~,	6,	1904		d9c ✓	✓16730
5267	~~IX~~,	19,	1904		d8c ✓	✓16743

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T. T. Persei

5331	X, 4, 1904		d7c ✓	✓16758
5377	X, 16, 1904		d4c ✓	✓16770
5535	XI, 14, 1904		d9c ✓	✓16799
5566	XI, 19, 1904	pron	d9c ✓	✓16804
5597	XI, 25, 1904		=c ✓	✓16810
5682	XII, 7, 1904		d3c ✓	✓16822
5709	XII, 11, 1904		d7c ✓	✓16826
5737	XII, 16, 1904		d8c ✓	✓16831
5925	I, 31, 1905		d7c ✓	✓16877
5979	II, 11, 1905		d4c ✓	✓16886
5990	II, 13, 1905	pron	d6c ✓	✓16890
6164	III, 13, 1905		d4c ✓	✓16918
6529	III, 20, 1905		Ec ✓	✓17047
6608	III, 18, 1905		=d ✓	✓17076
6660	IX, 6, 1905		e8d ✓	✓17095
6733	IX, 25, 1905		d1c ✓	✓17114
6766	X, 3, 1905		d1c ✓	✓17122
6784	X, 5, 1905		d1c ✓	✓17124
6817	X, 9, 1905		d3c ✓	✓17128
6842	X, 14, 1905		d2c ✓	✓17133
6917	X, 30, 1905		d1c ✓	✓17149
6943	XI, 4, 1905		d1c ✓	✓17154
7116	XII, 18, 1905		d5c ✓	✓17198
7178	I, 17, 1906		d1c ✓	✓17228
7187	I, 21, 1906		=d ✓	✓17232
7195	I, 24, 1906		d1c ✓	✓17235
7260	II, 5, 1906	pron	d2c ✓	✓17247
7267	II, 10, 1906		d1c ✓	✓17252
7291	II, 17, 1906		d4c ✓	✓17259

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7343	III, 11, 1906		d2c ✓	✓	17274
7821	IX, 17, 1906		d2c ✓	✓	17471
8080	XII, 3, 1906		d3c ✓	✓	17548
8467	I, 21, 1907		d5c ✓	✓	17597
8879	X, 16, 1907	poor	d2c omit	✓	17865
8980	XI, 10, 1907	"	d4c ✓	✓	17890
8991	XI, 12, 1907	"	d3c ✓	✓	17892
9015	XI, 25, 1907		d1c ✓	✓	17905
9124	I, 1, 1908		d3c ✓	✓	17942
9136	I, 3, 1908		d1c ✓	✓	17944
9164	I, 10, 1908		d7c ✓	✓	17951
9235	II, 4, 1908		d4c ✓	✓	17976
9296	II, 28, 1908		d3c ✓	✓	18000
9900	XI, 12, 1908		d9c ✓	✓	18258
9940	XI, 21, 1908		d7c ✓	✓	18267
10058	XII, 15, 1908		d9c ✓	✓	18291
10220	II, 8, 1909		d8c ✓	✓	18346
10250	II, 22, 1909		d8c ✓	✓	18360
10646	VII, 19, 1909		d5c ✓	✓	18507
10713	VIII, 12, 1909	poor	d9c ✓	✓	18531
10925	X, 15, 1909		d2c ✓	✓	18596
10933	X, 16, 1909		d1c ✓	✓	18596
10994	X, 31, 1909		d1c ✓	✓	18611
11007	XI, 4, 1909		d1c ✓	✓	18615
11105	XI, 30, 1909		d1c ✓	✓	18641
11116	XII, 4, 1909		d2c ✓	✓	18645
11129	XII, 6, 1909		d1c ✓	✓	18647
11193	XII, 21, 1909		d1c ✓	✓	18662

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11234	XII	31	1909	d1c	✓	18672
11267	I	8	1910 pour	=d	✓	18680
11297	I	12	1910	d1c	✓	18684
11352	II	5	1910	d2c	✓	18708
11364	II	7	1910	d1c	✓	18710
11441	III	7	1910	d1c	✓	18738
11824	VIII	1	1910	d1c	✓	18885
11849	VIII	11	1910	d1c	✓	18895
11937	IX	15	1910	d2c	✓	18930
12114	XI	12	1910	d4c	✓	18988
12138	XI	19	1910	d5c	✓	18995
16164	II	27	1915	d1c	✓	20556
16691	VIII	26	1915	d5c	✓	20736
16805	X	3	1915	d8c	✓	20774
17074	XII	4	1915 pour	d8c	✓	20836
17183	XII	31	1915	d7c	✓	20863
17977	X	5	1916	=d	✓	21142
18044	X	23	1916	e5d	✓	21160
18274	XII	8	1916	e8d	✓	21206
18305	XII	14	1916	d2c	✓	21212
18549	II	12	1917	d1c	✓	21272
19035	VIII	18	1917	d7c	✓	21459
19227	X	1	1917 pour	d9c	✓	21503
19312	X	20	1917	=c	✓	21522
19546	XII	3	1917	d8c	✓	21566
19569	XII	9	1917	d7c	✓	21572
19814	II	13	1918	d8c	✓	21638
19842	II	18	1918	=c	✓	21643
20371	VIII	15	1918	d1c	✓	21821

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20579	X	7	1918		d2c ✓	✓ 21874
20598	X	19	1918		d1c ✓	✓ 21886
20790	XII	6	1918		d1c ✓	✓ 21934
20856	XII	21	1918		e8d ✓	✓ 21949
21069	II	5	1919		d1c ✓	✓ 21995
21108	II	10	1919		d1c ✓	✓ 22000
21570	VI	29	1919	poor	d9c ✓	✓ 22139
21705	VII	16	1919	"	d1c ✓	✓ 22187
21751	VIII	26	1919	"	e9d ✓	✓ 22197
21768	VIII	29	1919	"	d9c ✓	✓ 22200
21912	X	17	1919		d1c ✓	✓ 22249
21968	X	29	1919		d3c ✓	✓ 22261
22047	XII	1	1919		d4c ✓	✓ 22294
22053	XII	2	1919		d6c ✓	✓ 22295
22090	XII	7	1919	poor	d8c ✓	✓ 22300
22167	XII	29	1919		=c ✓	✓ 22329
22391	II	14	1920		d2c ✓	✓ 22369
22413	II	18	1920	poor	d6c ✓	✓ 22373
22419	II	20	1920		d4c ✓	✓ 22375
22967	X	9	1920		d5c ✓	✓ 22607
22989	X	15	1920		d4c ✓	✓ 22613
23148	XII	18	1920		d6c ✓	✓ 22677

H60 O^h

5789	I	1	1905		~~d3c~~	
5969	II	10	1905	poor	~~d3c~~	16847
6046	II	21	1905		d7c ✓	✓ 16887
6501	III	9	1905		d5c ✓	✓ 16898
6557	VII	26	1905		5c ✓	✓ 17036
					d1c ✓	✓ 17053

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6616	VIII,	21,	1905	[c ✓	✓ 17079
6645	VIII,	31,	1905	e8d ✓	✓ 17089
6681	IX,	10,	1905	e9d ✓	✓ 17099
6741	IX,	27,	1905	d2c ✓	✓ 17116
6866	X,	21,	1905	d4c ✓	✓ 17140
6898	X,	27,	1905	d2c ✓	✓ 17146
6933	XI,	2,	1905	d2c ✓	✓ 17152
7005	XI,	18,	1905	d1c ✓	✓ 17158
7012	XI,	19,	1905	d2c ✓	✓ 17159
7019	XI,	20,	1905	d2c ✓	✓ 17160
7088	XII,	7,	1905	d2c ✓	✓ 17187
7145	I,	5,	1906	gm d5c ✓	✓ 17216
7171	I,	12,	1906	d2c ✓	✓ 17223
7227	I,	29,	1906	" d5c 17240	~~17230~~
7262	II,	6,	1906	" d1c ✓	✓ 17248
7307	II,	22,	1906	d3c ✓	✓ 17264
7696	VIII,	12,	1906	" =c ✓	✓ 17435
7769	IX,	1,	1906	d6c ✓	✓ 17455
8537	VII,	7,	1907	[c ✓	✓ 17734
8608	VIII,	12,	1907	d1c ✓	✓ 17769
8620	VIII,	18,	1907	d1c ✓	✓ 17775
8637	VIII,	27,	1907	d3c ✓	✓ 17784
8682	VIII,	12,	1907	d2c ✓	✓ 17800
8760	IX,	13,	1907	d1c ✓	✓ 17832
8814	X,	1,	1907	d2c ✓	✓ 17850
9031	XI,	29,	1907	d1c ✓	✓ 17909
9060	XII,	11,	1907	d2c ✓	✓ 17921
9065	XII,	12,	1907	d2c ✓	✓ 17922
9101	XII,	26,	1907	d1c ✓	✓ 17936

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9168	I, 14, 1908		d2c ✓	✓ 17955	
9202	I, 27, 1908	poor	d9c ✓	✓ 17968	
9939	XI, 21, 1908		d9c ✓	✓ 18267	~~18297~~
10033	~~XII~~, 10, 1908	poor	d7c ✓	✓ 18286	
10874	X, 5, 1909		d2c ✓	✓ 18585	
10891	X, 7, 1909		d2c ✓	✓ 18587	
10905	X, 9, 1909		d1c ✓	✓ 18589	
10948	X, 19, 1909		d1c ✓	✓ 18599	
11005	~~XI~~, 4, 1909	poor	[c ✓	✓ 18615	
11033	~~XI~~, 9, 1909	"	[d ✓	✓ 18620	
11111	~~XII~~, 4, 1909		d1c ✓	✓ 18645	
11137	~~XII~~, 8, 1909		d1c ✓	✓ 18649	
11190	~~XII~~, 21, 1909		d2c ✓	✓ 18662	
11255	I, 7, 1910		[d ✓	✓ 18679	
11302	I, 15, 1910		d1c ✓	✓ 18684	
11724	~~VI~~, 19, 1910		d1c ✓	✓ 18842	
11734	VI, 25, 1910		d2c ✓	✓ 18848	
12179	~~XII~~, 7, 1910		d1c ✓	✓ 19013	
12322	II, 10, 1911		d4c ✓	✓ 19078	
12391	~~VI~~, 1, 1911		d4c ✓	✓ 19189	
12528	~~VIII~~, 23, 1911		d9c ✓	✓ 19272	
12543	IX, 3, 1911		d8c ✓	✓ 19283	
12546	IX, 4, 1911		d8c ✓	✓ 19284	
12558	IX, 12, 1911		d5c ✓	✓ 19292	
12622	X, 9, 1911		d2c ✓	✓ 19319	
12663	X, 24, 1911		d4c ✓	✓ 19334	
12674	X, 26, 1911		d3c ✓	✓ 19336	
12809	~~XII~~, 23, 1911		d2c ✓	✓ 19394	
13233	IX, 13, 1912		[c ✓	✓ 19659	

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T. T. Persei

13326	X	14	1912		d 1 c ✓	19690
13312	X	17	1912		d 1 c ✓	19683
13364	X	19	1912		d 1 c ✓	✓ 19695
13383	X	21	1912		d 2 c ✓	✓ 19697
13413	X	31	1912		d 1 c ✓	✓ 19707
13451	XI	6	1912		d 1 c ✓	✓ 19713
13526	XI	30	1912		d 2 c ✓	✓ 19737
13549	XII	4	1912		d 1 c ✓	✓ 19741
13642	I	13	1913	poss	d 9 c ✓	✓ 19781
13698	I	30	1913		d 7 c ✓	✓ 19798
14191	VII	20	1913	poss	d 8 c ✓	✓ 19969
14270	VIII	19	1913		d 9 c ✓	✓ 19999
14284	VIII	21	1913	"	~~d 3 c~~	✓ 20001
14397	IX	25	1913		d 8 c ✓	✓ 20036
14438	X	20	1913		= c ✓	✓ 20061
14483	X	31	1913		d 5 c ✓	✓ 20072
14519	XI	6	1913		d 9 c ✓	✓ 20077
14624	XII	5	1913		= c ✓	✓ 20107
14702	XII	27	1913		d 4 c ✓	✓ 20129
14745	I	6	1914		d 2 c ✓	✓ 20139
15449	IX	9	1914	over	~~d 2 c~~	✓ 20385
15506	IX	18	1914		d 1 c ✓	✓ 20394
15529	IX	22	1914		d 1 c ✓	✓ 20398
15718	XI	14	1914		d 5 c ✓	✓ 20461
15782	XI	24	1914		e 9 d ✓	✓ 20471
15822	XII	10	1914	poss	~~d 4 c~~ ✓	✓ 20477
15954	I	3	1915		= d ✓	✓ 20501
16142	II	20	1915		d 3 c ✓	✓ 20549
16821	X	9	1915		d 7 c ✓	✓ 20780

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16850	X	16	1915		d5c	✓	✓ 20776
17285	II	4	1916		c1b	✓	✓ 20898
17824	VIII	28	1916		d2c	✓	✓ 21104
17839	VIII	31	1916	prov	d2c	✓	✓ 21107
17964	X	3	1916		d1c	✓	✓ 21140
18548	II	12	1917		d1c	✓	✓ 21272
19053	VIII	25	1917		d1c	✓	✓ 21466
19232	X	2	1917		d6c	✓	✓ 21504
19273	X	13	1917	prov	d6c	✓	✓ 21515
19573	XII	10	1917		d5c	✓	✓ 21573
19623	XII	23	1917		d2c	✓	✓ 21586
19774	II	4	1918		d6c	✓	✓ 21629
20295	VI	20	1918		d2c	✓	✓ 21765
20844	XII	19	1918		=d	✓	✓ 21947
21039	II	1	1919		d2c	✓	✓ 21991
21714	VIII	20	1919		d1c	✓	✓ 22191
21898	X	12	1919		d2c	✓	✓ 22244
22046	XII	1	1919		d6c	✓	✓ 22294
22165	XII	29	1919		d9c	✓	✓ 22322
22312	I	28	1920		=c	✓	✓ 22352
22454	II	27	1920		d5c	✓	✓ 22382
22919	X	1	1920		d7c	✓	✓ 22599
22977	X	13	1920		d5c	✓	✓ 22619
23093	XII	2	1920		d7c	✓	✓ 22661
23159	XII	20	1920		d5c	✓	✓ 22679
1161	I	19	1901		=d	✓	✓ 15404
5902	I	27	1905		d5c	✓	✓ 16873
11068	XI	18	1909		d1c	✓	✓ 18629

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T. T. Persei

16228	III	10	1915		d1c ✓	✓20567
16611	VII	24	1915	poor	d6c ✓	✓20703
16718	IX	10	1915		d3c ✓	✓20757
16734	IX	14	1915		d2c ✓	✓20755
16969	XI	10	1915		d3c ✓	✓20812
17266	I	29	1916		=c ✓	✓20892
17387	III	9	1916		c/+ ✓	✓20932
17869	IX	11	1916		d4c ✓	✓21118
17944	IX	27	1916		d1c ✓	✓21134
18082	XI	1	1916		d1c ✓	✓21169
18177	XI	16	1916		d3c ✓	✓21184
18440	I	16	1917		d1c ✓	✓21245
18632	III	9	1917		d3c ✓	✓21297
19115	IX	11	1917	Scratched	d0c ✓	✓21483
19161	IX	18	1917		d5c ✓	✓21490
19208	IX	28	1917		d8c ✓	✓21500
19374	XI	2	1917		d6c ✓	✓21535
19689	I	16	1918		d8c ✓	✓21610
20271	III	14	1918		d4c ✓	✓21789
20509	IX	18	1918		d2c ✓	✓21855
20547	IX	29	1918		d2c ✓	✓21866
20653	XI	5	1918		d2c ✓	✓21903
20692	XI	12	1918		d1c ✓	✓21910
21300	III	25	1919		d1c ✓	✓22043
22013	XI	20	1919		d3c ✓	✓22283
22030	XI	24	1919		d2c ✓	✓22287
22183	I	2	1920	poor	d8c ✓	✓22326
22239	I	12	1920		d9c ✓	✓22336

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22313	I	28,	1920		d5c ✓	✓	22352
22876	IX	17,	1920		d8c ✓	✓	22585
22911	IX	25,	1920	poor	d5c ✓	✓	22593
23045	XI	8,	1920		d9c ✓	✓	22637
23089	XI	29,	1920		d9c ✓	✓	22658
3746	VII	2,	1903		d4c ✓	✓	16298
3747	VII	2,	1903		d3c ✓	✓	16298
3790	VII	27,	1903		d2c ✓	✓	16323
3849	VIII	20,	1903		d2c ✓	✓	16347
3881	IX	2,	1903		d1c ✓	✓	16346
3887	IX	3,	1903		d2c ✓	✓	16361
3903	IX	7,	1903		d1c ✓	✓	16365
3917	IX	11,	1903	poor	d9c ✓	✓	16369
3932	IX	13,	1903		d4c ✓	✓	16371
3937	IX	14,	1903		d2c ✓	✓	16572
3945	IX	16,	1903		d3c ✓	✓	16374
3959	IX	21,	1903		d2c ✓	✓	16379
4086	X	22,	1903	poor	[illegible] ✓	✓	16410
4093	X	24,	1903		d1c ✓	✓	16412
4160	XI	3,	1903		d1c ✓	✓	16422
4214	XI	15,	1903		d4c ✓	✓	16434
4319	XII	18,	1903		d4c ✓	✓	16467
4484	I	5,	1904		d2c ✓	✓	14485
4553	I	24,	1904		d6c ✓	✓	16504
4619	II	8,	1904		d2c ✓	✓	16519
4687	II	26,	1904	poor	d6c ✓	✓	16537
5176	VIII	24,	1904		d8c ✓	✓	16717
5196	VIII	28,	1904		d5c ✓	✓	16721
5249	IX	2,	1904		d6c ✓	✓	16726

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5271	IX	11	1904	d4c	✓	✓16745
5300	IX	29	1904	d5c	✓	✓16753
5314	X	1	1904	d6c	✓	✓16755
5369	X	15	1904	poor	~~=c~~	✓16769
5402	X	21	1904	"	~~d9c~~	✓16775
5480	XI	3	1904	c3b	✓	✓16788
5548	XI	17	1904	c1b	✓	✓16802
5606	XI	26	1904	c2b	✓	✓16811
5685	XII	8	1904	d9c	✓	✓16823
5723	XII	14	1904	c1b	✓	✓16829
5763	XII	21	1904	d7c	✓	✓16836
5822	I	10	1905	d8c	✓	✓16856
5863	I	20	1905	scratch	d8c	✓	✓16866
5915	I	29	1905	d8c	✓	✓16875
5945	II	4	1905	=c	✓	✓16881
6047	II	21	1905	d6c	✓	✓16898
6076	II	27	1905	d4c	✓	✓16904
6132	III	6	1905	d2c	✓	✓16911
6219	III	27	1905	d2c	✓	✓16932
6503	VII	10	1905	poor	[d	✓	✓17027
6541	VII	22	1905	[c	✓	✓17049
6588	VIII	7	1905	d2c	✓	✓17065
6593	VIII	8	1905	d1c	✓	✓17066
6630	VIII	23	1905	d3c	✓	✓17081
6654	IX	5	1905	e9d	✓	✓17094
6679	IX	9	1905	e9d	✓	✓17098
6703	IX	21	1905	[c	✓	✓17110
6711	IX	22	1905	d2c	✓	✓17111
6718	IX	23	1905	d3c	✓	17112

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6732	IX	25	1905	d3 c	17114
6746	IX	27	1905	d4 c	17116
6754	IX	28	1905	d4 c	17117
6769	X	1	1905	d3 c	17120
6774	X	4	1905	d4 c	17123
6790	X	6	1905	d5 c	17125
6799	X	7	1905	d6 c	17126
6809	X	8	1905	d4 c	17127
6916	X	30	1905	d2 c	17149
6948	XI	6	1905	d2 c	17156
6982	XI	11	1905	eq d	17161
7069	XI	30	1905	d5 c	17180
7076	XII	1	1905	d4 c	17181
7179	I	17	1906	d5 c	17226
7181	I	18	1906	d3 c	17229
7189	I	21	1906	d2 c	17239
7212	I	26	1906	d1 c	17237
7237	I	30	1906	d4 c	17241
7329	II	24	1906	d5 c	17266
7364	III	10	1906	d3 c	17280
7434	IV	2	1906 pm	d4 c	17303
7792	IX	5	1906 "	d5 c	17459
7860	IX	28	1906 "	d3 c	17482
7940	X	25	1906	d6 c	17509
7958	XI	3	1906	d5 c	17518
8002	XI	10	1906	d8 c	17525
8088	XII	6	1906	=c	17551
8183	I	23	1907	c16	17599

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8252	II	13,	1907	c2	✓	✓17620
8695	VIII	14,	1907	d3c	✓	✓17802
8800	IX	26,	1907	d1c	✓	✓17845
8872	X	15,	1907	d4c	✓	✓17864
8942	X	30,	1907	d5c	✓	✓17879
8953	X	31	1907	d5c	✓	✓17880
8992	XII	13,	1907	d6c	✓	✓17893
9148	I	6,	1908	d4c	✓	✓17947
9326	III	10,	1908	d5c	✓	✓18011
9716	IX	3,	1908	d3c	✓	✓18188
9723	IX	17,	1908	d5c	✓	18192
9868	X	31,	1908	d4c	✓	✓18246
9880	XII	4	1908	d6c	✓	✓18250
10090	XII	23,	1908	d6c	✓	✓18299
10165	I	20,	1909	d8c	✓	✓18327
10213	II	6,	1909	d3c	✓	✓18344
10289	III	8,	1909	d6c	✓	✓18374
10671	VII	27,	1909	d7c	✓	✓18515
10691	VIII	6,	1909	d9c	✓	✓18525
10772	VIII	29,	1909	d4c	✓	✓18548
10789	IX	3,	1909	d4c	✓	✓18553
10897	X	8,	1909	d3c	✓	✓18588
10958	X	20,	1909	d2c	✓	✓18600
11127	XII	6,	1909	d2c	✓	✓18647
11287	I	11,	1910	d2c	✓	✓18683
11303	I	15,	1910	d3c	✓	✓18687
11367	II	10,	1910	d3c	✓	✓18713
11908	IX	9,	1910	d1c	✓	✓18924
11983	X	1,	1910	d3c	✓	✓18946

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1899phae.proj..900G

T. T. Bond

12012	X, 9,	1910	d4c	✓	18954
12040	X, 13,	1910	d7c	✓	18958
12303	I, 23,	1911	d3c	✓	19060
12657	X, 23,	1911	d3c	✓	19337
12682	X, 27,	1911	d6c	✓	19337
12745	XI, 18,	1911	d6c	✓	19359
12799	XII, 20,	1911	d5c	✓	19391
12892	I, 1,	1912	d3c	✓	19403
13328	X, 14,	1912	d2c	✓	19690
13355	X, 17,	1912	d2c	✓	19693
13375	X, 20,	1912	d3c	✓	19696
13421	XI, 2,	1912	d4c	✓	19709
13445	XI, 5,	1912	d2c	✓	19712
13453	XI, 6,	1912	[illegible]c	✓	19713
13612	I, 1,	1913	d4c	✓	19769
13649	I, 14,	1913	d7c	✓	19782
13669	I, 22,	1913	=c	✓	19790
13706	I, 31,	1913	d6c	✓	19799
13744	II, 7,	1913	d7c	✓	19806
13757	II, 8,	1913	d7c	✓	19807
14426	X, 2,	1913	d4c	✓	20043
14476	X, 28,	1913	=c	✓	20069
14504	XI, 4,	1913	c, b	✓	20076
14613	XII, 3,	1913	d9c	✓	20105
14704	XII, 27,	1913	d=c	✓	20129
14789	I, 18,	1914	d8c	✓	20151
14808	I, 25,	1914	d9c	✓	20158

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1899phae.proj..gapG

T. T. Persei

14823	II, 1, 1914		d6c ✓		✓20165
14894	II, 21, 1914		d8c ✓		✓20185
15394	VIII, 23, 1914		2 9d ✓		✓20368
15750	XI, 20, 1914		d9c ✓		✓20457
15786	XI, 26, 1914		d6c ✓		✓20463
15805	XI, 28, 1914		d8c ✓		✓20465
15813	XI, 29, 1914		d5c ✓		✓20466
15824	XII, 10, 1914		d6c ✓		✓20477
15873	XII, 16, 1914		d5c ✓		✓20483
15923	XII, 23, 1914		d3c ✓		✓20490
15967	I, 5, 1915		d2c ✓		✓20503
15996	I, 9, 1915		d3c ✓		✓20507
16008	I, 10, 1915		d3c ✓		✓20508
16165	II, 27, 1915	pm	d2c ✓		✓20556
16396	IV, 13, 1915	pm	d2c ✓		✓20601
16688	VIII, 26, 1915	"	d5c ✓		✓20736
16832	X, 11, 1915		d6c ✓		✓20782
17080	XII, 7, 1915		d6c ✓		✓20839
17365	II, 29, 1916		d8c ✓		✓20923
17603	IV, 10, 1916	pm	=c ✓		✓20964
17969	X, 4, 1916		d2c ✓		✓21141
18018	X, 14, 1916		=d ✓		✓21151
18252	XII, 6, 1916		=d ✓		✓21204
18323	XII, 19, 1916		d4c ✓		✓21217
18572	II, 17, 1917		d1c ✓		✓21277
18610	II, 27, 1917		d1c ✓		✓21287
18776	IV, 14, 1917	pm	=d ✓		✓21333
19262	X, 11, 1917	"	c1b ✓		✓21513

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1899phae.proj...0090

T. T. Perseï

19626	XII	23,	1917	d7c	21586
19805	II	11,	1918	d9c	21636
20846	XII	19,	1918	d2c	21947
20877	XI	26,	1918	d2c	21954
21091	II	7,	1919	d2c	21997
21119	II	11,	1919	=d	22001
21698	VIII	15,	1919	d1c	22186
21906	X	15,	1919	d1c	22247
21955	X	28,	1919	por d2c	22260
22089	XII	7,	1919	d5c	22300
22118	XII	17,	1919	d9c	22310
22172	XII	30,	1919	d7c	22323
22364	II	9,	1920	d8c	22364
22937	X	3,	1920	d5c	22601
23094	XII	2,	1920	d9c	22661
23149	XII	18,	1920	d7c	22677

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1899phae.proj..9G9G

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1999phas.proj...69G

T Z Aquilae

AR to 20h

7570	XII, 18, 1911	~~doc~~ c1b ✓	✓	19236
7583	XII, 20, 1911	c2b ✓	✓	19238
7652	VIII, 4, 1911	t1a ✓	✓	19253
7683	VIII, 16, 1911	c9b ✓	✓	19265
7775	IX, 18, 1911.	c5b ✓	✓	19298
7803	IX, 21, 1911	c3b poor ✓	✓	19301
7863	X, 13, 1911	=c ✓	✓	19323
7904	X, 20, 1911	d9c ✓	✓	19330
8151	V, 7, 1912	[d poor ✓	✓	19530
8267	V, 27, 1912	d9d ✓	✓	19550
8380	II, 22, 1912	d1c ✓	✓	19576
8408	III, 6, 1912	d1c ✓	✓	19590
8441	III, 11, 1912	d4c ✓	✓	19595
8480	III, 18, 1912	d5c ✓	✓	19602
8533	III, 3, 1912	=c ✓	✓	19618
8545	III, 15, 1912	d5c poor ✓	✓	19630
8593	IX, 3, 1912	d4c ✓	✓	19649
8622	IX, 10, 1912	d2c ✓	✓	19656
8646	IX, 16, 1912	d1c ✓	✓	19662
8726	X, 18, 1912	eHd poor ✓	✓	19694
8970	V, 28, 1913	d1c ✓	✓	19916
9049	VI, 10, 1913	=c ✓	✓	19929
9110	VI, 25, 1913	c1b ✓	✓	19944
9177	VII, 7, 1913	c1b ✓	✓	19956
9206	VII, 12, 1913	[b ✓	✓	19961
9210	III, 13, 1913	d9c poor ✓	✓	19962
9292	XII, 1, 1913	c1b ✓	✓	19981
9396	IX, 3, 1913	d5c poor ✓	✓	20014
9398	IX, 3, 1913	d2c ✓	✓	20014

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1899phae.proj..9pdG

T.Z.

T ~~X~~ Aquilae

9458	IX, 17, 1913	d4c ✓		✓20028
9561	X, 7, 1913	~~e7d poor~~		20048
9569	X, 22, 1913	=c ✓		✓20063
10120	IX, 13, 1914	e2d ✓		✓20389
10799	VII, 13, 1915	e6d ✓		✓20692
10807	VII, 14, 1915	[8e ✓ poor		✓20693
10814	VII, 15, 1915	[9e ✓		✓20694
10923	VII, 31, 1915	[6e ✓		✓20710
11104	IX, 8, 1915	[5d ✓ poor		✓20749
AC 12451	VII, 18, 1911	[4 poor ✓		✓19236
12465	VII, 22, 1911	c3 4 ✓		✓19240
12471	VII, 26, 1911	4a ✓		✓19244
13220	VII, 7, 1912	d1c ✓		✓19591
13301	X, 6, 1912	=d		19682
13448	IX, 6, 1912	c1 4 poor ✓		✓19713
13465	IX, 10, 1912	c6 4 " ✓		✓19717
14125	VI, 29, 1913	c4 4 ✓		✓19948
14150	VII, 6, 1913	c2 4 ✓		✓19955
14157	VII, 8, 1913	c1 4 ✓		✓19957
14161	VII, 10, 1913	c4 4 poor ✓		✓19959
14208	VII, 25, 1913	d9c ✓		✓19974
14221	VII, 27, 1913	c1 4 " ✓		✓19976
14442	X, 21, 1913	c1 4 ✓		✓20062
14491	XI, 1, 1913	c2 4 ✓		✓20073
14582	XI, 22, 1913	d9c poor ✓		✓20094
15325	VII, 18, 1914	d9c " ✓		✓20332
15351	VII, 25, 1914	[a ✓ poor		✓20339
15369	VIII, 15, 1914	d1c ✓		✓20360
15375	VIII, 17, 1914	d1c ✓		✓20362
15473	IX, 14, 1914	e9d ✓		✓20390

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1899phae.proj...gif

T. Z.

T. ~~R.~~ Aquilae

15490 ~~IX~~, 16, 1914	e4d ✓	✓20392
15518 ~~IX~~, 21, 1914	d1c ✓poor	✓20397
15583 ~~X~~, 6, 1914	d1c ✓	✓20412
16647 ~~VIII~~, 13, 1915	~~Ea poor~~ omit	✓20723
16658 ~~VIII~~, 16, 1915	Ee poor ✓	✓20726
16819 ~~X~~, 9, 1915	d2c ✓	✓20780
17096 ~~XII~~, 11, 1915	d3c ✓	✓20843
17153 ~~XII~~, 22, 1915	Dc ✓	✓20854
AM 20h 7583 ~~VII~~, 20, 1911	=c ✓	✓19238
7652 ~~VIII~~, 4, 1911	=b ✓	✓19253
7683 ~~VIII~~, 16, 1911	~~d4b poor~~ omit	✓19265
7775 ~~IX~~, 18, 1911	c1b ✓	✓19298
7803 ~~IX~~, 21, 1911	c2b ✓	✓19301
7863 ~~X~~, 13, 1911	=c ✓	✓19323
7904 ~~X~~, 20, 1911	d9c ✓	✓19330
8151 ~~V~~, 7, 1912	=d poor ✓	✓19530
8267 ~~V~~, 27, 1912	d2c ✓	✓19550
8380 ~~VI~~, 22, 1912	d1c ✓	✓19576
8408 ~~VII~~, 6, 1912	~~e2d poor~~ omit	✓19590
8441 ~~VII~~, 11, 1912	d1c ✓	✓19595
8480 ~~VII~~, 18, 1912	d3c ✓	✓19602
8533 ~~VIII~~, 3, 1912	d8c ✓	✓19618
8593 ~~IX~~, 3, 1912	d2c ✓	✓19649
8622 ~~IX~~, 10, 1912	d4c ✓poor	✓19656
8646 ~~IX~~, 16, 1912	d1c ✓	✓19662
8726 ~~X~~, 18, 1912	e3d poor ✓	✓19694
8970 ~~V~~, 28, 1913	d1c ✓	✓19916
9049 ~~VI~~, 10, 1913	d4c ✓	✓19929

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1899phae.proj..90MG

2

T. Aquilae

9110	VII, 25, 1913	=c ✓poor	✓	19944
9177	VIII, 7, 1913	c1b ✓	✓	19956
9206	VII, 12, 1913	d9c ✓	✓	19961
9210	VII, 13, 1913	d9c ✓poor	✓	19962
9292	VIII, 1, 1913	d5c ✓	✓	19981
9396	IX, 3, 1913	d3c ✓"	✓	20014
9398	IX, 3 1913	d2c ✓	✓	20014
9458	IX, 17, 1913	d4c ✓	✓	20028
9561	X, 7, 1913	d1c ✓	✓	20048
9569	X, 22, 1913	d9c ✓poor	✓	20063
10120	IX, 13, 1914	e8d ✓	✓	20389
10799	VII, 13, 1915	~~d4c poor~~ out		20692
10807	VII, 14, 1915	~~e8d poor ✓~~		20693
10814	VII, 15, 1915	e1d " ✓	✓	20694
10923	VII, 31, 1915	f9e ✓	✓	20710
11104	IX, 8, 1915	d1c ✓	✓	20749
AC21 12531	IX, 1, 1911	=f poor ✓	✓	19281
16478	X, 18, 1915	d2c " ✓	✓	20636
16573	VII, 9, 1915	e8d " ✓	✓	20688
16953	XI, 8, 1915	=d " ✓	✓	20810
AM 9331	VIII, 8, 1913	d3c ✓	✓	19988
10078	VIII, 19, 1914	~~=d~~ poor ✓	✓	19999
10507	IV, 26, 1915	Ec ✓	✓	20614
10672	VI, 12, 1915	d1c ✓	✓	20661
10950	VIII, 3, 1915	e1d ✓	✓	20713
11008	VIII, 16, 1915	Ed ✓	✓	20726
11319	X, 5, 1915	e9d ✓	✓	20776
11391	X, 23, 1915	d8c ✓	✓	20794
11401	X, 30, 1915	d1c ✓	✓	20801

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1899phae.proj...96DG

AC #15 21h

T. Aquilae

	15535	IX, 26, 1914	d3c ✓		✓20402
	16470	X, 15, 1915	e4d ✓		✓20633
	16596	VIII, 17, 1915	d2c poor int		20696
	16721	IX, 11, 1915	Ed "		20752
	16928	XI, 3, 1915	e9d " ✓		✓20805
AM	8580	VIII, 30, 1912	d8c		✓19645
	9268	VII, 28, 1913	Ed poor		✓19977
	10111	IX, 11, 1914	e2d ✓		✓20387
	10633	VI, 5, 1915	e9d ✓		✓20654
	10657	VI, 10, 1915	Ed ✓		✓20659
	10703	VI, 18, 1915	=d ✓		✓20667
	11066	VIII, 28, 1915	f6e ✓		✓20738
	11329	X, 6, 1915	d3c ✓		✓20777
	11395	X, 27, 1915	c4h ✓d4c		✓20798
AC	12509	VIII, 19, 1911	c9h ✓		✓19268
	12555	IX, 12, 1911	c8h ✓		✓19292
	12572	IX, 19, 1911	c8h ✓ poor		✓19299
	12591	IX, 28, 1911	d9c ✓		✓19308
	13401	X, 30, 1912	d9c ✓	19706	✓19340
	13466	XI, 10, 1912	c1h ✓	19717	✓19351
	14151	VII, 6, 1913	d9c poor ✓		✓19955
	14162	VII, 10, 1913	c2h " ✓		✓19959
	14167	VII, 11, 1913	c4h ✓		✓19960
	14209	VII, 25, 1913	c2h ✓		✓19974
	14253	VIII, 12, 1913	=c " omit		19992
	14443	X, 21, 1913	c1h ✓		✓20062
	14480	X, 31, 1913	=c ✓		✓20072
	14562	XI, 17, 1913	d5c ✓		✓20089
	15326	VII, 18, 1914	d4c ✓		✓20332

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1899phae.proj..9009G

T, ~~X~~, Aquilae

15332	VII, 19, 1914	d3c poor	✓	20333
15370	VIII, 15, 1914	Ed	" ✓	20360
15384	VIII, 22, 1914	e5d	✓	20367
15458	IX, 11, 1914	~~E~~ e	"=e ✓	20387
15498	IX, 17, 1914	Ed	✓	20393
15586	X, 7, 1914	~~d~~	✓	20413
16634	VIII, 10, 1915	Ed	✓	20720
16839	X, 13, 1915	d1c	✓	20784
AM 21h 7487	VI, 25, 1911	d9c		19213
9959	VII, 20, 1914	d3c	✓	~~20334~~
7498	VI, 27, 1911	Ed poor	✓	19215
7526	VII, 6, 1911	d2c	✓	19224
7551	VII, 15, 1911	d5c	✓	19233
7593	VII, 21, 1911	c3b	✓	19239
7642	VIII, 2, 1911	Eb poor	✓	19251
7653	VIII, 4, 1911	c8b	✓	19253
7753	IX, 15, 1911	Eb	"✓	19295
7793	IX, 20, 1911	c4b	✓	19300
7857	X, 10, 1911	=c	✓	19320
7887	X, 17, 1911	=c	✓	19327
7913	X, 24, 1911	d9c	✓	19334
8223	I, 21, 1912	Ed	✓	19544
8320	II, 10, 1912	Ed	✓	19564
8376	II, 21, 1912	d1c	✓	19575
8406	III, 6, 1912	d3c	✓	19590
8473	III, 17, 1912	d1c	✓	19601
8534	IV, 3, 1912	d5c	✓	19618
8559	IV, 16, 1912	Ec	✓	19631

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1899phae.proj...9@0G

T. 2 Aquilae

8994	VII, 2,	1913	[c poor ✓	✓19921
9008	VII, 4,	1913	~~c9d " omit~~	~~19923~~
9101	VII, 24,	1913	d8c ✓	✓19943
9144	VII, 30,	1913	d9c ✓	✓19949
9164	VIII, 3,	1913	[b ✓	✓19952
9178	VIII, 7,	1913	[b poor ✓	✓19956
9211	VIII, 13,	1913	d9c ✓	✓19962
9226	VIII, 22,	1913	~~d3c poor omit~~	~~19971~~
9301	VIII, 4,	1913	[b ✓	✓19984
9315	VIII, 6,	1913	~~[a poor~~	✓19986
9321	VIII, 7,	1913	~~[a "~~	✓19987
9330	VIII, 8,	1913	d1c ✓	✓19988
9480	IX, 23,	1913	[c ✓	✓20034
10082	X, 20,	1914	[a ✓	✓20365
10112	IX, 11,	1914	e4d ✓	✓20387
10123	IX, 14,	1914	e3d ✓	✓20390
10149	IX, 23,	1914	e9d ✓	✓20399
10184	X, 9,	1914	d9c ✓	✓20415
10206	X, 18,	1914	=c ✓	✓20424
10216	X, 22,	1914	d9c ✓	✓20428
10851	VII, 19,	1915	~~[b poor~~	~~10698~~
11087	IX, 6,	1915	[b ✓	✓20747
11137	IX, 12,	1915	d1c ✓	✓20753
11278	IX, 28,	1915	[c ✓	✓20769
20h 2m ± 0849	V, 6,	1900	[c poor ✓	✓15146
916	VII, 7,	1900	d1c ✓	✓15208
1547	VI, 16,	1901	d6c ✓	✓15552
1609	VII, 13,	1901	[b poor ✓	✓15579
1688	VIII, 4,	1901	=d " ✓	✓15601

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1899phae.proj..9pG

T. Aquilae

1745	IX, 14, 1901	[a poor	✓	✓15642
1750	IX, 16, 1901	[a	✓	✓15644
1842	X, 7, 1901	[d	✓	✓15665
1879	X, 19, 1901	[d	✓	✓15677
1921	X, 29, 1901	e2d	✓	✓15687
1931	X, 31, 1901	e8d	✓	✓15689
1947	XI 3, 1901	e8d	✓	✓15692
2021	XI 30, 1901	d3c	poor ✓	✓15719
2594	V 30, 1902	e6d	✓	✓15900
2674	VII, 8, 1902	[d	" ✓	✓15939
2789	VIII, 28, 1902	[d	" ✓	✓15990
2817	IX 7, 1902	[c	✓	✓16000
2905	X, 17, 1902	d2c	✓	✓16040
2911	X, 20 1902	d2c	✓	✓16043
2954	X, 31, 1902	d4c	✓	✓16054
3008	XI, 21, 1902	[k	poor ✓	✓16075
3674	V 23, 1903	~~e7d~~	✓d6c	✓16258
3788	VII, 27, 1903	c1k	✓	✓16323
3796	VIII, 1, 1903	=c	✓	✓16328
3861	VIII, 24, 1903	[d	✓	✓16351
3929	IX, 13, 1903	[d	poor ✓	✓16371
3941	IX 15, 1903	[c	" ✓	✓16373
3995	IX, 26, 1903	d2c	✓	✓16384
4165	XI, 4, 1903	e9d	" ✓	✓16423
4935	V 27, 1904	=d	✓	✓16628
4945	VI 9, 1904	d6c	✓	✓16641
4976	VI, 16, 1904	[k	poor ✓	✓16648
5083	VII, 20, 1904	d5c	✓	✓16682
5116	VII, 31, 1904	=d	✓	✓16693
5130	VIII, 9, 1904	d2c	✓	✓16709

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1899phae.proj...gif

2

T Aquilae

5136	VIII, 11,	1904	c1b poor ✓	✓16704
5208	VIII, 30,	1904	e9d ✓	✓16723
5258	IX, 17,	1904	=d ✓	✓16741
5302	IX, 30,	1904	d5c ✓	✓16754
5344	X, 7,	1904	d9c ✓	✓16761
5604	XI, 26,	1904	d6c poor	✓16811
5690	XII, 9,	1904	c2b ✓	✓16824
6334	IV, 30,	1905	c1b ✓"	✓16966
6437	VI, 13,	1905	[d ✓	✓17010
6467	VI, 28,	1905	d1c ✓	✓17025
6486	VII, 4,	1905	d1c ✓	✓17031
6494	VII, 7,	1905	d2c ✓	✓17034
6572	VIII, 3,	1905	d2c ✓	✓17061
6614	VIII, 21,	1905	e9d ✓	✓17079
6707	IX, 22,	1905	e8d ✓	✓17111
6804	X, 8,	1905	d1c ✓	✓17127
6878	X, 23,	1905	e9d ✓	✓17142
6990	XI, 14,	1905	e6d ✓	✓17164
7657	VII, 13,	1906	[d ✓	✓17405
7721	VIII, 17,	1906	d7c ✓	✓17440
7787	IX, 5,	1906	d8c ✓	✓17459
7838	IX, 24,	1906	=d ✓	✓17478
7992	XI, 8,	1906	[d ✓	✓17523
8562	VI, 21,	1907	[b poor ✓	✓17748
8677	VIII, 11,	1907	c1b ✓	✓17799
8699	VIII, 15,	1907	d3c ✓	✓17803
8727	VIII, 28,	1907	d4c ✓	✓17816
8988	XI, 12,	1907	e9d ✓	✓17892

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1899phae.proj..9099G

T Aquilae

8995	XI	14	1907	d3c ✓	✓ 17894
9626	VII	11	1908	[illegible]	✓ 18134
9691	VIII	28	1908	e9d ✓	✓ 18182
9800	X	8	1908	[illegible] ✓	✓ 18223
9935	XI	21	1908	d1c ✓	✓ 18267
10037	XII	12	1908	[illegible] ✓	✓ 18288
10534	V	30	1909	d2c ✓	✓ 18457
10629	III	11	1909	[illegible] ✓	✓ 18499
10716	VIII	13	1909	=b ✓	✓ 18532
10817	IX	17	1909	d9c ✓	✓ 18567
10901	X	9	1909	[illegible] omit	18589
10945	X	19	1909	c1b ✓	✓ 18599
10970	X	26	1909	=c " ✓	✓ 18606
10981	X	29	1909	c3b ✓	✓ 18609
11743	VI	29	1910	d4c ✓	✓ 18852
11779	VII	11	1910	d2c ✓	✓ 18864
11895	IX	2	1910	[illegible] ✓	✓ 18917
17667	VI	21	1916	d1c ✓	✓ 21036
17672	VI	22	1916	d2c ✓	✓ 21037
17679	VI	23	1916	d1c ✓	✓ 21038
17691	VI	28	1916	[illegible] ✓	✓ 21043
17754	VIII	2	1916	e8d poor ✓	✓ 21078
18034	X	18	1916	[illegible] ✓	✓ 21155
18307	XII	16	1916	e9d ✓	✓ 21214
19021	VIII	10	1917	d3c c1b	✓ 21451
19058	VIII	26	1917	=c ✓	✓ 21467
19065	VIII	27	1917	c1b ✓	✓ 21468
19088	IX	16	1917	c6b poor ✓	✓ 21478

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1899phae.proj..9G0G

T. Aquilae

19239	X, 3, 1917	c5b ✓	✓21505	
19248	X, 6, 1917	c5b poor ✓	21506	
19254	X, 7, 1917	c2b ✓	✓21509	
20342	VIII, 3, 1918	[a " ✓	✓21809	
20368	VIII, 15, 1918	=d " ✓	✓21821	
20574	X, 7, 1918	e2d ✓	✓21874	
21405	IX, 30, 1919	d9c ✓	✓22079	
21553	VI, 22, 1919	[d poor ✓	~~22087~~	✓22132
21657	VIII, 2, 1919	c2b " ✓	✓22173	
21723	VIII, 22, 1919	[b ✓	✓22193	
21869	X, 6, 1919	[b ✓	✓~~22238~~	
22928	X, 2, 1920	e4d ✓	✓22600	
22973	X, 13, 1920	e2d ✓	✓22611	
23109	XII, 7, 1920	e4d poor ✓	✓22666	
AM 24h ≠0 464	X, 8, 1900	e2d ✓	✓15148	
535	VIII, 21, 1900	d9c ✓	✓15222	
549	VIII, 24, 1900	c3b ✓	✓15225	
801	X, 22, 1901	c2b ✓	✓15527	
811	X, 27, 1901	d8c ✓	✓15539	
876	VI, 22, 1901	d6c poor ✓	✓15558	
946	VIII, 25, 1901	e8d ✓	✓15591	
1263	X, 17, 1902	d1c ✓	✓15887	
1288	X, 28, 1902	e7d ✓	✓15898	
1416	VIII, 2, 1902	e2d ✓	✓15933	
1462	VIII, 12, 1902	d2c ✓	✓15943	
1540	IX, 16, 1902	~~d8c poor ✓~~	~~16009~~	
1590	IX, 30, 1902	[d ✓ "	✓16023	
1690	X, 18, 1902	=c ✓	✓16072	

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1899phae.proj..90MG

2

T. Aquilae.

1920	VI	6,	1903	d8c ✓	✓16241
1955	V	18,	1903	c1b ✓	✓16253
1968	V	23,	1903	d6c ✓	✓16258
2120	VII	14,	1903	c2b ✓	✓16310
2133	VII	15,	1903	c1b ✓	✓16311
2161	VII	27	1903	c4b ✓	✓16323
2270	IX	14,	1903	d6c ✓	✓16372
2274	IX	17,	1903	e8d ✓	✓16375
2289	IX	21,	1903	e9d ✓	✓16379
2591	V	2	1904	e2d ✓	✓16603
2716	VI	4,	1904	d4c ✓	✓16636
2726	VI	7,	1904	=c ✓	✓16639
2808	VII	5,	1904	c1b ✓	✓16667
2867	VII	22,	1904	d8c ✓	✓16684
2925	VIII	5,	1904	e8d ✓	✓16698
2953	VIII	17,	1904	d2c ✓	✓16710
3004	IX	2	1904	d2c ✓	✓16726
3162	X	31,	1904	c2b pov ✓	✓16785
3171	X	1,	1904	=c ✓	✓16786
3517	X	10,	1905	c1b ✓	✓16976
3567	X	26,	1905	d8c ✓	✓16992
3600	XI	7,	1905	d5c ✓	✓17004
3656	XI	22,	1905	e8d ✓	✓17019
3706	XII	10,	1905	=c ✓	✓17037
3729	XII	22,	1905	d8c ✓	✓17049
3795	XII	17,	1905	e9d ✓	✓17075
3849	IX	6,	1905	e4d ✓	✓17095
3898	IX	19,	1905	e3d ✓	✓17108
3976	XI	16,	1905	e9d pov	✓17166

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2
T. S. Aquilae

4207	V	4,	1906	c1b ✓	✓17335
4270	V	29,	1906	c7b ✓	✓17360
4277	VI	2,	1906	c9b ✓	✓17364
4387	VIII	10,	1906	[b poor ✓	✓17402
4421	VII	21,	1906	d4c ✓	✓17413
4433	VII	24,	1906	d3c ✓	✓17416
4448	VII	30,	1906	d2c ✓	✓17422
4487	VIII	10,	1906	d3c ✓	✓17433
4541	VIII	27,	1906	c1b ✓	✓17450
4548	IX	5,	1906	d9c ✓	✓17459
4621	X	11,	1906	d2c ✓	✓17495
4824	V	10,	1907	e5d ✓	✓17706
4932	VI	20,	1907	e3d ✓	✓17747
4942	VI	28,	1907	d1c ✓	✓17755
4956	VII	1,	1907	d6c ✓	✓17758
5016	VII	18,	1907	c1b ✓	✓17775
5077	VIII	17,	1907	c3b ✓	✓17805
5116	IX	1,	1907	d4c ✓	✓17820
5172	IX	24,	1907	d3c ✓	✓17843
5179	IX	29,	1907	e9d poor	✓17848
5193	X	9,	1907	e4d ✓	✓17858
5403	II	23,	1908	e1d ✓	✓18055
5498	V	27,	1908	[8e ✓	~~18059 ✓18089~~
5506	V	29,	1908	[e ✓	~~18061 ✓18091~~
5577	VI	18,	1908	e3d ✓	✓18111
5664	VIII	21,	1908	d6c ✓	✓18144
5690	VIII	26,	1908	d1c ✓	✓18149
5731	VIII	5,	1908	d3c ✓	✓18159
5793	IX	5,	1908	d1c ✓	✓18190
5815	IX	13,	1908	e8d ✓	✓18198

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1899phae.proj..9@0G

T. Aquilae

5849	IX	22	1908	=d ✓	✓ 18207
6096	X	8	1909	d6d ✓	✓ 18435
6141	X	16	1909	d7c ✓	✓ 18443
6156	X	23	1909	d5c ✓	✓ 18450
6176	X	29	1909	d8c ✓	✓ 18455
6241	XI	17	1909	c1b ✓	✓ 18475
6253	XI	19	1909	c4b ✓	✓ 18477
6283	XI	24	1909	c2b ✓	✓ 18482
6336	XII	10	1909	d9c ✓	✓ 18498
6339	XII	11	1909	=c ✓	✓ 18499
6350	XII	13	1909	c2b ✓	✓ 18501
6390	XII	21	1909	c2b ✓	✓ 18509
6406	XII	24	1909	c1b ✓	✓ 18512
6571	IX	10	1909	c3b ✓	✓ 18560
6599	IX	18	1909	c2b ✓	✓ 18568
6614	IX	21	1909	c3b ✓	✓ 18571
6654	X	11	1909	c5b ✓	✓ 18591
6682	X	17	1909	c7b ✓	✓ 18597
6991	VI	4	1910	d4c ✓	✓ 18827
7058	III	1	1910	d3c ✓	✓ 18854
7091	III	7	1910	d3c ✓	✓ 18860
7097	III	8	1910	d1c ✓	✓ 18861
7122	III	12	1910	d2c ✓	✓ 18865
7130	III	13	1910	d1c ✓	✓ 18866
7176	III	2	1910	d1c ✓	✓ 18886
7247	IX	1	1910	=c ✓	✓ 18916
7258	IX	3	1910	c1b ✓	✓ 18918
7280	IX	8	1910	c1b ✓	✓ 18923
7287	IX	9	1910	c1b ✓	✓ 18924
11791	V	24	1916	d6c ✓	✓ 21008

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1899phae.proj..gif0G

T Aquilae · TZ !

12153 — VII, 7, 1916 — e4d ✓ — ✓21052
12278 — VII, 27, 1916 — =e ✓ — ✓21072
13412 — VII, 16, 1917 — H1a ✓ — ✓21426
13442 — VII, 27, 1917 — ~~c9h~~ ✓ c0b — ✓21437
13449 — VII, 28, 1917 — c9h ✓ B1a — ✓21438
14245 — VII, 31, 1918 — e4d ✓ — ~~21441~~ 21806 ✓
14384 — IX, 7, 1918 — e1d ✓ — ✓21844
15027 — IX, 28, 1919 — d1c ✓ — ✓22230
15490 — IX, 13, 1920 — =e ✓ — ✓22581

AC ± 0 2h
1502 — VI, 4, 1901 — [c poor ✓ — ✓15540
6750 — IX, 28, 1905 — e4d ✓ — ✓17117
10660 — VII 24, 1909 — [b ✓ — ✓18512
17883 — IX, 14, 1916 — e1d ✓ — ✓21121
18124 — XI, 7, 1916 — [d ✓ — ✓21175
18171 — VI, 15, 1916 — e4d ✓ — ✓21183
18820 — V 3, 1917 — e8d ✓ — ✓21352
19097 — IX, 8, 1917 — b1a ✓ — ✓21480
19370 — XI, 2, 1917 — [d ✓ — ✓21535
19389 — XI, 4, 1917 — c3h ✓ — ✓21537
20146 — V, 17, 1918 — [d ✓ — ✓21731
~~20296 — VII, 20, 1918 — =c ✓ — ✓21795~~
20713 — XI, 23, 1918 — d1c ✓ — ✓21921
21592 — VII, 8, 1919 — d8c ✓ — ✓22148
21999 — XI, 14, 1919 — d4c ✓ — ✓22277
22003 — XI, 18, 1919 — [c ✓ — ✓22281
22890 — IX, 21, 1920 — 21d ✓ — ✓22589

AM 21h
I 0
5170 — IX, 23, 1907 — e8d ✓ — ~~22597~~ 11842
11959 — VI, 11, 1916 — e4d ✓ — ✓21026

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1899phae.proj..9616

T. Z. Aquilae

12066	VI, 24, 1916	— e1d poor	int	21039
12074	VI, 27, 1916	— e3d	✓	✓21042
12098	VI, 30, 1916	— d1c	✓	✓21045
12359	VIII, 22, 1916	— e2d	✓	✓21098
12374	VIII, 25, 1916	— e5d	✓	✓21101
12379	VIII, 26, 1916	— e7d	✓	✓21102
12997	IX, 13, 1917	— d2c	✓	✓21332
13491	VIII, 9, 1917	— c1b	✓	✓21450
13541	VIII, 27, 1917	— c8b poor		✓21468
13734	XII, 3, 1917	— d9c	✓	✓21566
14264	VIII, 5, 1918	— e4d	✓	✓21811
14270	VIII, 7, 1918	— e6d	✓ poor	✓21813
14273	VIII, 8, 1918	— [e	int	✓21814
14358	VIII, 29, 1918	— e6d	✓	✓21835
14365	VIII, 30, 1918	— d1c	✓	✓21836
14489	X, 4, 1918	— j8e	✓	✓21871
14965	VIII, 27, 1919	— d2c	✓	✓22198
15398	VIII, 10, 1920	— d2c	✓	✓22547

AC
-15 20h

2521	X, 3, 1902	— [c	✓	✓15873
17735	VII, 19, 1916	— [b poor	int	✓21064
17843	IX, 2, 1916	— e8d	✓	✓21109
17921	IX, 22, 1916	— [e	✓	✓21129
18094	XI, 2, 1916	— j9e	✓	✓21170
18863	X, 25, 1917	— c7f poor		✓21374
18956	VII, 16, 1917	— c8f	✓	✓21426
19087	IX, 6, 1917	— b2a	✓	✓21478
19410	XI, 7, 1917	— d8c	✓	✓21540
20138	X, 16, 1918	— e6d	✓	✓21730

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1899phae.proj...9006

T. Z. Aquilae

20244	VIII, 3, 1918	18e		21778
20317	VIII, 27, 1918	1d		21802
20528	IX, 24, 1918	e4d		21861
20648	XI, 5, 1918	[1 poor pt		21903
21591	VIII, 8, 1919	d9c		22148
21627	VIII, 25, 1919	d8c		22165
21808	IX, 18, 1919	[d		22220
22745	VIII, 16, 1920	[d		22522
22960	X, 9, 1920	= e		22607
AM 3944	X, 9, 1905	d3c		17128
~~8580~~	~~VIII, 30, 1912~~	~~d7c~~	repeat	
12034	VI, 20, 1916	e8d		21035
12045	VI, 22, 1916	e6d		21037
12079	VI, 28, 1916	e3d		21043
12089	VI, 29, 1916	~~d8d~~		21044
12097	VI, 30, 1916	d1c		21045
12310	VIII, 8, 1916	e8d		21084
12358	VIII, 22, 1916	= e		21098
12369	VIII, 24, 1916	e8d		21100
12387	VIII, 28 1916	e2d	"	21104
12393	VIII, 29, 1916	e3d		21105
12654	X, 22, 1916	= e		21159
13500	VIII, 11, 1917	c4b		21452
13537	VIII, 25, 1917	c4b		21466
14274	VIII, 9, 1918	e1d		21815
14798	VI, 24, 1919	= c		22134
14964	VIII, 27, 1919	d9c		22198
AC 21h, 15° 15048	X, 25, 1919	d8c		22257
900	VI, 25, 1900	[c		15196
1523	VI, 10, 1901	c4b		15546
1528	VI, 11, 1901	d1c	poor pt	15547

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1899phae.proj..9016

T. Z. Aquilae

1946	XI, 3, 1901	e9d	poor	15692
2660	VII, 1, 1902	e9d		15932
2739	VIII, 12, 1902	=d		15974
2785	VIII, 27, 1902	[c	"	15989
3004	XI, 20, 1902	d9c		16074
3697	V, 28, 1903	d3c		16263
3783	VII, 26, 1903	c1b		16322
3814	VIII, 10, 1903	[c		16357
3821	VII, 13, 1903	~~e8d~~	d4c	16340
3922	IX, 12, 1903	[d		16370
3966	IX, 22, 1903	d4c		16380
3979	IX 24, 1903	d2c		16382
4201	XI, 12, 1903	e8d		16431
5055	VII, 13, 1904	d3c		16675
5151	VIII, 18, 1904	d2c		16711
5191	VII, 27, 1904	e7d	poor	16720
5245	IX 15, 1904	d5c		16739
5293	IX, 28, 1904	=c	"	16752
5311	X 1, 1904	c3b		16755
5473	XI, 2, 1904	~~e8c~~	c3b.	16787
date? 5618	XI, 30, 1905	e8d	omit	
6468	VI, 28, 1905	d8c		17025
6487	VII, 4, 1905	d3c'		17031
6545	VII, 25, 1905	d4c		17052
6584	VIII, 6, 1905	[d		17064
6633	VIII, 26, 1905	e6d		17084
6700	IX, 21, 1905	e3d		17110
6751	IX 28, 1905	e8d		17117
6969	XI, 10, 1905	[c		17160
7044	XI, 24, 1905	[c		17174
7671	VII, 18, 1906	[d		17410
7709	VIII, 15, 1906	d8c		17438
7754	VIII, 28, 1906	d8c		17451
7781	IX, 4, 1906	d9c		17458
7882	X, 8, 1906	d7c		17492
7991	XI, 8, 1906	e2d		17523
8011	XI, 14, 1906	e2d		17529
8664	VIII, 8, 1907	[b		17796

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1899phae.proj...gpob

T 2, Aquilae

8692	VIII, 14, 1907	c1t poor	17802
8752	IX, 12, 1907	[c	17831
8829	X, 7, 1907	[c	17853
8848	X, 9, 1907	d2c	17858
8905	X, 22, 1907	[d	17871
8920	X, 24, 1907	[2c	17873
8929	X, 26, 1907	d3c poor, omit	17875
8936	X, 30, 1907	d2c	17879
8956	XI, 1, 1907	d2c	17881
9513	VI, 4, 1908	e1d	18097
9586	VI, 28, 1908	[d	18121
9622	VII, 10, 1908	e9d	18133
9640	VII, 16, 1908	d1c	18139
9686	VII, 27, 1908	~~e4d~~ d3c	18141
9715	IX, 3, 1908	d1c	18188
9811	X, 13, 1908	e8d	18228
9819	X, 14, 1908	[d	18229
9843	X, 22, 1908	[d	18237
10607	XI, 30, 1909	[c	18488
10639	XII, 17, 1909	[c	18505
10644	XII, 19, 1909	e6b	18507
10661	XII, 25, 1909	c3b	18513
10707	XII, 11, 1909	[c + omit	18530
10862	X, 4, 1909	[b	18584
11749	III, 4, 1910	d1c	18857
11780	III, 11, 1910	d2c	18864
11798	III, 26, 1910	d4c	18879
11816	III, 30, 1910	[d	18883
11959	IX, 28, 1910	d4c	18943
11968	IX, 29, 1910	d6c	18944
12133	XI, 19, 1910	e4d	18995
17755	VIII, 2, 1916	[d	21078
17806	VIII, 19, 1916	d2c	21095
17821	VIII, 28, 1916	e2d	21104
18014	X, 14, 1916	f4e	21151
19028	XII, 12, 1917	[b	21453

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1899phae.proj...9696

T. Z. Aquilae

19255	X, 7, 1917	[b	21509
20183	VI, 8, 1918	[e	21753
20336	VIII, 1, 1918	[b	21807
20781	XII, 5, 1918	[b	21933
~~21554~~	~~VI, 22, 1919~~	d c	~~22132~~
21658	VIII, 2, 1919	[c	22173
21861	X, 1, 1919	d c	22233

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1899phat..proj...9G

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1899phae.proj...9096

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1899phae..proj..9096

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