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M. A. Hawes (at HCO 1912-1918)

Stars to be omitted in measuring Arequipa blue plates

Region	Stars
C_1	6 7 8 10 13 22 23
C_2	5 8 9 10a 13 15 18 20 24
C_3	5 9 9a 12 17 18 20 25 26b 28a
C_4	6 10 12 15 21 25 25b 27b
C_5	3 7 11 14 17 20a 26
C_6	7 8 11 15 18 20 29
C_7	10 14 18
C_8	2 5 6 7 10 13 17 19 20 20b 23 24 29a 32
C_9	1 2 10 11 13 19 26
C_{10}	5 14 23
C_{11}	9 11 13 18 19 21 22
C_{12}	7 10 13 15 19 19a 22 25 28

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M. A. Hawes (at HCO 1912-1918)

Examined by Vol. 56 of H. A. M. A. H.

0 hours, Hβ br., R stars, N stars, Md stars, Double stars (

1 hour " " " " " though 19^m.9

2 " " " " " (Double stars already done)

3 " " " " " " " " "

4 " " " " " Double stars

5 " " " " " " "

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M. A. Hawes (at HCO 1912-1918)

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Monday, Feb. 4, 1918

123961 8 Ursae Majoris

3:30

	Plate	Ext.			
J g	16544	n 3 V	11.90	12.08	18
		V 10	12.26		18
J g	15356	g* 2 V	9.56	9.48	08
		V 2 g'	9.41		07
J g	17029	g' 2 V	10.12	10.11	01
		V 1 h	10.10		01
~~4:15~~					
✓ g	16712	h 1 V	11.10	11.10	00
		V 3 m	11.10		00
✓ g	15522	k 2 V	11.20	11.15	05
		V 3 m	11.10		05
4:40 J g	16786	l 3 V	10.94	10.92	02
		V 1 k	10.90		02

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Tuesday, Feb. 5, 1918

123961 S Ursae Majoris

8:20

	Plate	est				Plate	est			
✓	13477	1 3V	10.94	10.82	12	✓ 15697	0 2V	12.56	12.45	11
		V 3k	10.70		12		V 1P	12.34		11
✓	15177	g 2V	9.81	9.82	01	✓ 16754	k 1V	11.10	11.15	05
		V 1g²	9.82		00		V 2m	11.20		05
✓	16781	1 2V	10.84	10.87	03	✓ 17811	P 2V	12.64	12.64	00
		V 1k	1090		03		V 2P'	12.64		00
✓	15179	g' 2V	9.81	9.72	09	18204	p' 2V	12.54	12.54	00
		V 3g²	9.62		10	*	V 3 P'	12.54		00
✓	16793	1 3V	10.94	10.92	02					
		V 1K	10.90		02					
✓	15300	g 2V	9.56	9.54	02					
		V 1g'	9.51		03					
✓	17395	g' 3V	9.91	9.86	05					
		V 1g²	9.82		04					
✓	15357	g 1V	9.46	9.44	02					
		V 2g'	9.41		03					
✓	16438	p 2V	12.64	12.59	05					
		V 3p'	12.54		05					
✓	17536	1 4V	11.07	10.97	07					
		V 1K	10.90		07					
✓	16537	n 2V	11.80	11.98	18					
		V 2O	12.16		18					
✓	15476	1 1V	10.74	10.67	07					
		V 4K	10.60		07					

9:30

* Evidently measure was made on prismatic companion of a.

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Wednesday, Feb. 6, 1918

123961 S Ursae Majoris

7:55

	Plate	EsV			Plate	EsV		
↓					↓			
	♀ 17293	g'2V	9.81	01	♀ 33976	g'1V	9.71	05
		V1g²	9.82 → 9.82	00	↓	V3g²	9.62 → 9.66	04
↓	♀ 18205	p'3V	13.14	04	♀ 34007	V=h	10.20	05
		V1g	13.22 → 13.18	04 *		g²3V	10.22 → 10.25	03
↓						V3l	10.34	09
	♀ 20375	g'2V	9.81	01			9:15	
		V1g²	9.82 → 9.82	00				
↓	♀ 28848	k1V	11.10	05				
		V2m	11.20 → 11.15	05	* Assumed to be ♀ 34037			
↓	♀ 18316	l3V	10.94	02				
		V1K	10.90 → 10.92	02				
↓	♀ 19545	p1V	12.54	00				
		V3p'	12.54 → 12.54	00				
↓	♀ 13437	k1V	11.10	00				
		V3m	11.10 → 11.10	00				
↓	♀ 18367	h1V	10.307	07				
		V2l	10.44 → 10.37	07				
↓	♀ 28818	k5V	11.50	10				
		V1m	11.30 → 11.40	10				
↓	♀ 20170	m2V	11.60	05				
		V1m	11.50 → 11.55	05				
↓	♀ 32542	g2V	9.56	08				
		V2g'	9.41 → 9.48	07				
↓	♀ 34027	g'3V	9.91	05				
		V1g²	9.82 → 9.86	04				

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Thursday, Feb. 7, 1918

123961 S Ursae Majoris

8:30	Plate	Est.			Plate	Est.			
✓	ac 7444	q 2 V	9.56	9.48	08	ac 5669	m 3 V	11.70	11.60	10
		V 2 q¹	9.41		07		V 1 n	11.50		10
✓	ac 1991	H 2 V	10.40		21	ac 6835	m 2 V	11.60	11.55	05
		V = l	10.64	10.61	03		V 1 n	11.50		05
✓	ac 2121	V 2 K	10.80		19	ac 5874	q¹ 1 V	9.71	9.66	05
		q¹ 3 V	9.91	9.86	05	✓	V 3 q²	9.62		04
✓	ac 5673	V 1 q²	9.82		04	ac 7523	h 2 V	10.40	10.47	07
		m 1 V	11.50	11.40	10		V 1 l	10.54		07
		V 3 n	11.30		10	✓ ac 5897	q¹ 2 V	9.81	9.76	05
✓	ac 7217	m 4 V	12.00	12.08	08		V 2 q²	9.72		04
		V 2 D	12.16		08	✓ ac 5819	q² 1 V	10.02	9.96	06
✓	ac 5571	m 3 V	11.70	11.55	15		V 3 h	9.90		06
		V 2 n	11.40		15	✓ ac 7516	h 2 V	10.40	10.47	07
✓	ac 7395	h 1 V	10.30	10.37	07		V 1 l	10.54		07
		l V 2 K	10.44		07	✓ ac 2336	m 3 V	11.70	11.60	10
✓	ac 5560	m 3 V	11.70	11.79	09		V 1 n	11.50		10
		V = n	11.60		19	✓ ac 5756	m 4 V	11.80	11.65	15
		V 3 O	12.06		27		V 1 n	11.50		15
✓	ac 7332	l 2 V	10.84	10.72	12	✓ ac 7499	q² 1 V	10.02	9.96	06
		V 4 k	10.60		12		V 3 h	9.90		06
✓	ac 5792	h 2 V	10.40	10.47	07	✓ ac 2237	l 1 V	10.74	10.67	07
		V 1 l	10.54		07		V 4 k	10.60		07
	ac 7471	q¹ 3 V	9.91	9.86	05	✓ ac 7507	q² 1 V	10.02	10.06	04
		V 1 q²	9.82		04		V 1 h	10.10		9:30 04

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Friday, Feb. 8, 1918

1 2 3 9 6 1 δ Ursae Majoris

7:55

	Plate	Esk			Plate	Esk		
ac	7436	g1V	9.46	02	ac3537	m2V	11.60	05
		V1g'	9.51 } 9.48	03		V1m	11.50 } 11.55	05
ac	3500	l1V	10.74	02	ac2629	l2V	10.84	07
		V3k	10.70 } 10.72	02		V3k	10.70 } 10.77	07
ac	7554	l1V	10.74	02	ac7415	g'3V	9.91	09
		V3k	10.70 } 10.72	02		V2g²	9.72 } 9.82	10
ac	7538	h2V	10.40	07	ac2207	h3V	10.50	08
		V1l	10.54 } 10.47	07		V=2	10.64 } 10.58	06
						V4k	10.60	02
ac	7580	l3V	10.94	02	ac7418	g'1V	9.71	01
		V1k	10.90 } 10.92	02		V2g²	9.72 } 9.72	00
ac	7344	h2V	10.40	07	ac7284	l1V	10.74	02
		V1l	10.54 } 10.47	07		V3k	10.70 } 10.72	02
ac	5719	m1V	11.50	15	ac2661	g'1V	9.71	01
		V4m	11.20 } 11.35	15		V2g²	9.72 } 9.72	00
ac	7376	h2V	10.40	07	ac2726	g2V	9.56	08
		V1k	10.54 } 10.47	07		V2g'	9.41 } 9.48	07
ac	2068	g'1V	9.71	05	ac7392	g'2V	9.81	01
		V3g²	9.62 } 9.66	04		V1g²	9.82 } 9.82	00
ac	2247	h3V	10.50	02	ac7342	l2V	10.84	03
		V1l	10.54 } 10.52	02		V1k	10.90 } 10.87	03
ac	7440	g2V	9.56	02	ac7393	g²1V	10.02	04
		V1g'	9.51 } 9.54	03		V1h	10.10 } 10.06	04
ac	7459	g3V	9.32	03	ac7409	g²1V	10.02	01
		V1g	9.26 } 9.29	03		V2h	10.00 } 10.01	01

9:10

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Sat. Feb. 9, 1918

123961 & Ursae Majoris

8:15	Plate	Est.				Plate	Est.			
✓	ac 7385	g^2 1 v	10.02	10.06	04	ac 3501	l 2 v	10.84	10.87	03
		v 1 h	10.10		04		v 1 h	10.90		03
✓	ac 2681	g^2 1 v	10.02	9.96	06	ac 2259	l 1 v	10.74	10.77	03
		v 3 h	9.90		06		v 2 h	10.80		03
✓	ac 7381	g^2 1 v	10.02	10.06	04	ac 7462	g 2 v	9.56	9.54	02
		v 1 h	10.10		04	✓	v 1 g'	9.51		03
✓	ac 2301	k 2 v	11.20	11.25	05	ac 7403	g^2 1 v	10.02	10.01	01
		v 1 m	11.30		05	✓	v 2 h	10.00		01
✓	ac 5930	g' 2 v	9.81	9.76	05	ac 3473	h 2 v	10.40	10.47	07
		v 2 g^2	9.72		04		v 1 l	10.54		07
✓	ac 2689	g' 2 v	9.81	9.76	05	ac 2116	g' 3 v	9.91	9.86	05
		v 2 g^2	9.72		04	✓	v 1 g^2	9.82		04
✓	ac 5852	g' 2 v	9.81	9.76	05	ac 2265	l 3 v	10.94	10.92	02
		v 2 g^2	9.72		04	✓	v 1 h	10.90		02
✓	ac 3542	m 1 v	11.50	11.50	00	ac 7475	g' 1 v	9.71	9.66	05
		v 1 m	11.50		00	✓	v 3 g^2	9.62		04
✓	ac 6058	k 1 v	11.10	11.05	05	ac 6105	k 2 v	11.20	11.25	05
		v 4 m	11.00		05		v 1 m	11.30		05
✓	ac 2820	h 3 v	10.50	10.52	02	ac 6050	l 3 v	10.94	10.92	02
		v 1 l	10.54		02		v 1 h	10.90		02
✓	ac 5887	g' 3 v	9.91	9.82	09	ac 7452	g 2 v	9.56	9.54	02
		v 2 g^2	9.72		10	✓	v 1 g'	9.51		03
✓	ac 6073	k 2 v	11.20	11.20	00	ac 7439	g' 1 v	9.71	9.76	05
		v 2 m	11.20		00		v 1 g^2	9.82		06

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Saturday, Feb. 9, 1918

123961 S Ursae Majoris

	Plate	Est				Plate	Est			
✓						✓				
ac	5876	g'2V	9.81	9.82	01	MC 5771	r1V	13.53	13.52	01
		V1g²	9.82		00		V4s	13.52		00
✓						✓				
ac	7530	h1V	10.30	10.37	07	MC 5476 P.C.	h3V	10.50	10.52	02
		V2l	10.44		07		V1l	10.54		02
✓						✓				
ac	7467	g'3V	9.91	9.82	09	MC 3286	r1V	13.53	13.58	05
		V2g²	9.72		10		V3s	13.62		04
						✓				
						MC 5186 P.C.	g'3V	9.91	9.94	03
							V=g²	9.92		02
							V2h	10.00		06
9:35						MC ~~5186~~ 3264	r3V	13.73	13.72	01
cont.							V2s	13.72	9:35	00
	✓									
12:40	ac	2340	m3V	11.70	11.60	10				
			V1m	11.50		10				
	✓									
	ac	2190	h1V	10.30	10.32	02				
			V3l	10.34		02				
	✓									
	ac	5693	g²1V	10.02	10.01	01				
			V2h	10.00		01				
	ac	6029	g²1V	10.02	9.96	06				
			V3h	9.90		06				
	✓									
	ac	5976	g²2V	10.12	10.11	01				
			V1h	10.10		01				
	✓									
	ac	5960	g'3V	9.91	9.94	03				
			V=g²	9.92		02				
			V2h	10.00		06				
	✓									
	ac	5994	h3V	10.50	10.52	02				
12:55			V1l	10.54		02				

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Monday, Feb. 11, 1918

123961 S Ursae Majoris

1:.25	Plate	Est.		Plate	Est
J	15356	9.5	J	17395	10.0
J	17029	10.3	J	15357	9.5
J	16544	12.1	J	16438	12.5
J	16712	10.9	J	17536	11.1
J	15522	11.0	J	16537	11.8
J	16786	10.9	J	15476	10.7
J	13477	10.9	J	15697	12.4
J	15177	9.7	J	16754	10.9
J	16781	10.5	J	17811	12.7
J	15179	9.5	*	18204	12.4
J	16793	10.9	J	20375	10.0
J	15300	9.5	J	18205	13.3

* See note on page 5

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Monday, Feb. 11, 1918

123961 S Ursae Majoris

	Plate	Est
	ϒ 28848	11.3
	ϒ 18316	10.7
	ϒ 19545	12.5
	ϒ 13437	10.9
	ϒ 18367	10.2
	ϒ 28818	11.3
	ϒ 20170	11.5
	ϒ 32542	9.6
	ϒ 34027	9.8
	ϒ 33976	9.7
2:30	ϒ* 34027	10.2
	ϒ 17293	9.6

* See note page 6

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Tuesday, Feb. 12, 1918

123961 8 Ursae Majoris

7:40	Plate	Est
	AC 2068	9.8
	AC 7376	10.4
	AC 2247	10.3
	AC 7459	9.5
	AC 7440	9.7
	AC 3537	11.4
	AC 2629	10.7
	AC 7415	9.8
	AC 2207	10.6
	AC 7418	9.7
	AC 7284	10.6
	AC 2661	10.0
	AC 2726	9.5
	AC 7444	9.5
	AC 2121	9.7
	AC 5673	11.4
	AC 7217	11.8
	AC 5571	11.6
	AC 7395	10.2
	AC 5560	11.7
	AC 7332	10.7
	AC 5792	10.5
	AC 7471	9.8
	AC 5669	11.5

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Tuesday, Feb. 12, 1918

123961 Ursae Majoris

Plate	Est	Plate	Est
AC 6135	11.4	AC 3500	10.6
AC 5874	9.7	AC 7554	10.7
AC 7523	10.2	AC 7538	10.4
AC 5897	9.7	AC 7580	10.9
AC 5819	9.9	AC 7344	10.4
AC 7516	10.0	AC 5719	11.5
AC 2336	11.5	AC 7392	9.9
AC 5756	11.6	AC 7342	10.8
AC 7499	9.9	AC 7409	9.7
AC 2237	10.5	AC 7393	10.0
AC 7507	10.0	AC 1991	10.7
AC 7436	9.7	AC 2340	11.5

9:00

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Wednesday, Feb. 13, 1918

12396.1 Ursae Majoris

7:50	Plate	Est	Plate	Est
	✓ aC 7385	10.2	✓ aC 5852	9.8
	✓ aC 2190	10.3	✓ aC 3542	10.9 Remeas. 11.5
	✓ aC 5963	10.0	✓ aC 6058	10.9
	aC 6029	9.9	✓ aC 2820	10.5
	✓ aC 5976	10.0	✓ aC 5887	9.8
	✓ aC 5960	9.8	✓ aC 6073	11.1
	✓ aC 5994	10.4	✓ aC 3501	10.8
	✓ aC 2681	9.8	✓ aC 2259	10.8
	✓ aC 7381	10.4	✓ aC 7462	9.6
	✓ aC 2301	11.5	✓ aC 7403	9.9
	✓ aC 5930	9.5	✓ aC 3473	10.2 9.9
	✓ aC 2689	10.0	✓ aC 2116	9.8

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Wednesday, Feb. 13, 1918

123961 S Ursae Majoris

Plate	Est	Plate		Est
ac 2265	10.9			
ac 7475	9.8			
ac 6105	11.2			
ac 6050	10.6			
ac 7452	9.6	MC 5186	P.C.	9.8
ac 7439	9.7	MC 5771		13.4
ac 5876	9.7	MC 3264		13.7
ac 7530	10.5 ~~9.9~~	MC 3286		13.4
ac 7467	9.7	MC 5476	P.C.	10.7

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1912phae.proj...917H

Wed. Feb. 27, 1918

(17)

Scale m M 2340 Pole

		Sc. 1	Sc. 2			Cu	mag
8:15	5	3.6					
	6	3.4		3.5	3.55 3.56	3.59	7.19
	8	5.1 4.9	5.00 4.9	5.05	5.02 3.21	3.14	8.14
	9	6.0 5.8	5.95 5.9	6.05	6.00 2.83	2.80	8.75
	10	6.6 6.4	6.50 6.4	6.50	6.50 2.52	2.63	9.13
	11	7.1 6.9	7.05 7.0	7.20	7.12 2.43	2.46	9.51
	12		7.5	7.6	7.55 2.31	2.34	9.84
	13		8.0	8.0	8.00 2.30	2.32	10.32
	14	~~8.4~~	8.4	8.2	8.30 2.35	2.37	10.77
	15		8.7	8.7	8.70 2.38	2.45	11.15
	16		8.8	9.0	~~8.85~~ 8.90 2.55	2.47	11.27
	17	~~8.9~~	8.9	9.1	9.00 2.63	2.50	11.40
	18		9.4	9.4	9.40 2.66	2.65	12.05
	19		9.7	9.8	9.75 2.67	2.76	12.46
	20		9.9	·	9.9 2.83	2.83	12.73

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1912phae.proj..917H

Wed. Feb. 27, 1918

(17)

Scale m. MD 2341 8 15 -15.2 124 K Aft. corr = .19

	Sc 1		Sc 2	Cu.	Magn.	Cu	Magn.
	6.7	1 1					
1	6.5	6.60	6.5	3.09	9.59	2.62	9.12
2			8.0	3.04	11.04	2.31	10.31
3			8.1	3.04	11.14	2.32	10.42
	6.9	0 0					
4	6.7	6.90	6.9	3.08	9.98	2.49	9.39
5			8.7	3.03	11.73	2.45	11.15
6			8.7	3.03	11.73	2.45	11.15
7			9.0	3.03	12.03	2.51	11.51
8		w. Star.	9.2 8 w. Star	3.03	12.83	2.80	12.60
9			9.7	3.03	13.73	2.76	12.46
10			10.0	3.02	13.02	2.85	12.85
11				Read from curve.			

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1912phae.proj...917H

Wed. Feb. 27, 1918

(17)

Scale m MD 2343 8-16 +15.0 76|Y Alt. corr +.16

	Sc 1		Sc 2	Cu.	Magn.
	5.1	10			
1	4.9	5.05	5.0	3.12	8.12
	5.7	11			
2	5.5	5.60	5.5	2.92	8.42
	6.6	11			
3	6.4	6.50	6.4	2.63	9.03
	7.3	10			
4	7.1	7.25	7.2	2.39	9.59
5			7.8	2.31	10.11
6			8.3	2.35	10.65
7			8.8	2.47	11.27
8			9.1	2.55	11.65
9			9.1	2.55	11.65
10			9.2	2.58	11.78
11			9.4	2.66	12.06
12			9.8	2.79	12.59
13			Ht		
14			n.s.		

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1912phae.proj..917H

Wed. Feb. 27, 1918

(17)

Scale m MD 2344 9 31 +90.0 Pole

	Sc 1	Sc 2	Cu.	magn.
5	B		.	.
6	3.5 3.8		3.62	7.12
8	5.2 5.0	5.05 +1	4.9 3.10	8.15
9	6.1 5.9	6.05 10	6.0 2.78	8.83
10	6.5 6.3	6.50 00	6.5 2.62	9.12
11	7.3 7.1	7.20 11	7.1 2.40	9.60
12			7.6 2.33	9.93
13			8.0 2.31	10.31
14			8.2 2.33	10.53
15			8.7 2.45	11.15
16			9.0 2.51	11.51
17			9.5 2.55	11.65
18			9.4 2.66	12.06
19			9.8 2.80	12.60

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1912phae.proj...917H

Wed. Feb. 27, 1918

(17)

Scale M. MD 2346 16 14 +74.9 6K Qd core -.04

	Sc 1	Sc 2	Cu	Magn.
1		7.4	2.35	9.75
2		7.8	2.31	10.11
3		8.0	2.31	10.31
4		8.4	2.37	10.77
5		8.7	2.45	11.15
6		9.0	2.51	11.51
7		9.3	2.61	11.91
8		9.4	2.65	12.05
9		9.5	2.70	12.20
10		9.7	2.77	12.47
11		9.9	2.83	12.73
12		10.1	~~2.90~~	

9:35

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1912phae.proj..917H

Friday, March 1, 1918

(17)

Scale m m 2347 9 52 +00 101 K

		Sc 1	Sc. 2
2:00	1	5.1	5.0
	2	5.9	6.1
	3	6.3	6.4
	4		7.2
	5		7.5
	6		8.0
	7	5.+	8.5
	8		9.4
	9		9.8

Pages 22–26 remeasured because only one pole plate was measured.

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1912phae.proj..917H

Friday, Mar. 1, 1918

(17)

Scale m MD 2348 10 17 −15.1 126 K

	Sc 1	Sc 2
1	4.5	4.5
2	5.9	6.0
3	7.2	7.3
4		7.7
5		8.0
6		8.6
7		9.0
8		9.3
9		9.7
10		77

* See p. 22

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1912phae.proj..917H

Friday, Mar. 1, 1918

(17)

Scale M MD 2349 9 25 +30.0 53K

	Sc 1	Sc 2
1	6.1	6.5
2	6.8	7.1
3	6.8	7.0
4		7.8
5		7.9
6		8.1
7		8.9
8		9.0
9		9.2
10		9.7
11		9.8
12		10.0

* See P. 22

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1912phae.proj..917H

Friday, Mar. 1, 1918

(17)

Scale M MD 2350 9 38 +44.9 29 K

	Sc 1	Sc 2
1	4.1	4.0
2	5.0	5.1
3	6.1	6.4
4	6.8	7.0
5		~~8.0~~ 7.8
6		8.1
7		8.2
8		8.8
9		9.4
10		9.7
11		~~Ft~~

* See P. 22

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1912phae.proj..917H

Friday, Mar. 1, 1918

(17)

Scale m MD 2351 Pole

	Sc 1	Sc 2
5	2.2	
6	3.0	
8	5.0	5.0
9	5.8	5.9
10	6.1	6.5
11	6.8	7.0
12	7.0	7.3
13		7.9
14		8.0
15		8.4
16		8.8
17		8.8
18		9.3
19		8.5
3:00 20		9.8

* See Page 22

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1912phae.proj...917H

March 2, 1918 Saturday

Scale M. MD 2347 Pole ~~9 52 +0.0 101~~

12:50

	Sc 1	Sc 2	Cu	Magn.
5	B		.	.
	3.3			
6	3.1		3.71	7.01
	5.2	00		
8	5.0	5.20 5.2	3.01	8.21
	6.1	10		9
9	5.9	6.05 6.0	2.74	8.74
	6.2	11		
10	6.0	6.30 6.4	2.67	8.97
	7.1	10		
11	6.9	7.05 7.0	2.52	9.57
12		7.2	2.50	9.70
13		8.2	2.51	10.51
14		8.2	2.52	10.72
15		8.4	2.55	10.95
16		8.9	2.61	11.51
17		9.0	2.64	11.64
18		9.4	2.74	12.14
19		9.7	2.82	12.52
20		9.9	2.88	12.78

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1912phae.proj..917H

Sat. Mar. 2, 1918

Scale m. MD 2347 9 52 0.0 101 K Ref. corr +.06
10 17 +5.1 +26

	Sc 1	Sc 2	Cu	Magn.
1	5.2 5.0	5.10	5.0 3.09 5	8.19 5
2	6.2 6.0	6.20	6.2 2.72 0	8.92 0
3	6.4 6.2	6.35 01	6.3 2.67 5	9.005 8.97
4	7.2 7.0	7.20	7.2 2.52 1	9.72 1
5			7.6 2.50	10.10
6			7.9 2.51	10.41
7			8.5 2.56	11.06
8			9.4 2.74	12.14
9			9.9 2.89	12.79
10				

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1912phae.proj...917H

Sat. Mar. 2, 1918

MD 2348 10 17 −15.1 126 K Alt corr −.18

	Sc 1	Sc 2	Cu	Magn.
	4.6		2.9	
1	4.4	4.35 4.3	3.33	7.63 7.4
	6.2			
2	6.0	6.00 6.0	2.75	8.82
	7.3			
3	7.1	7.25 7.2	2.50	9.70
4		7.7	2.52	10.22
5		8.1	2.52	10.62
6		8.8	2.60	11.40
7		9.1	2.67	11.77
8		9.2	2.68	11.88
9		9.9	2.89	12.79
10				

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1912phae.proj..917H

Sat. Mar. 2, 1918

MD 2349 q 25 +30.0 53K Alt. corr +.20

	Sc1		Sc2	Cc.	Magn.
1	6.3 6.1	6.25 (10)	6.2	2.69	8.89
2	7.1 6.9	7.10 (00)	7.1	2.51	9.61
3	7.1 6.9	7.00 (11)	6.9	2.53	9.43
4			7.7	2.50	10.20
5			8.0	2.51	10.51
6			8.1	2.52	10.62
7			8.8	2.60	11.40
8			9.1	2.66	11.76
9			9.3	2.70	12.00
10			9.5	2.77	12.27
11			9.8	2.87	12.67
12			10.0	2.91	12.91

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1912phae.proj..917H

Sat. Mar. 2, 1918

MD 2350 9 38 +44.9 29K Alt corr +.21

	Sc 1	Sc 2	Cu	Magn.
1	4.3 4.1	1 2 4.15 4.0	3.40	7.40
2	5.2 5.0	- 1 1 5.80 5.0	3.05	8.05
3	6.1 5.9	6.05 5.95 6.0	2.74	8.74
4	6.7 6.5	1 1 6.80 6.9	2.56	9.46
5		8.0	2.51	10.51
6		8.2	2.52	10.72
7		8.4	2.54	10.94
8		8.9	2.62	11.52
9		9.5	2.77	12.27
10		9.9	2.89	12.79

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1912phae.proj..917H

Saturday, Mar. 2, 1918

MD 2351 Pole +

	Sc 1		Sc 2					Lu Magn
5	6.3							
6	3.6 3.4			3.3	3.45	3.66	3.61	7.21
8	5.3 5.1	5.25	5.2	5.20	5.22	3.01	3.37	8.62
9	6.1 5.9	6.10	6.1	6.05	6.08	2.75	2.72	8.82
10	6.3 6.1	6.40	6.5	6.30	6.35	2.69	2.64	9.04
11	7.1 6.9	7.05	7.0	7.05	7.05	2.50	2.53	9.58
12	7.2 7.0	7.20	7.2	7.2	7.20	2.66	2.51	9.71
13			7.8	8.0	7.90	2.40	2.50	10.30
14			8.1	8.2	8.15	2.50	2.52	10.62
15			8.5	8.4	8.45	2.63	2.56	11.06
16			8.7	8.9	8.80	2.60	2.57	11.27
17			9.1	9.0	9.05	2.58	2.66	11.76
18			9.2	9.4	9.30	2.86	2.67	11.87
19			9.5	9.7	9.60	2.82	2.77	12.27
20			9.9	9.9	9.90	2.83	2.88	12.78

1:50

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1912phae.proj..917H

Friday, March 15, 1918

Measures of Ref. Stars for TJ Herc.

Scale N AC 2769 17h + 15

2:45

	AC B	AC C			Cu.	Magn.
	7.4	2 1		19	2.17	
a	7.8	7.25	7.1	2.~~2~~	~~7.10~~	9.42
	8.2	8 2 =	7.8	1.89		
b	8.6	8.00	~~8.6~~	~~2.01~~	2.02	10.02
	8.4	1 1				
c	8.8	8.30	8.2	2.01	1.96	10.26
	8.5	0 0				
d	8.9	8.50	8.5	2.01	1.90	10.40
	~~b~~	2 1		4		
e	~~9.3~~	9.55	9.~~5~~	9.7 1.53	1.52	11.07
		1				
f		10.05	10.0	10.1 1.26	1.28	11.33
g						
h						
k						
l						
m						
n						
o						
p						
q						
r						
s						
t						
	7.3	1 1				
var.	7.7	7.2	7.1			

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1912phae.proj..917H

Friday, March 15, 1918

Measures of Ref. stars for JJ Herc.

Scale IV AC 5053 17h +15

	Sc B	Sc C		Cu.	Magn.
a	7.1 7.5	1 1 7.00	6.9	2.44	2.54	9.54
b	7.4 ~~7.8~~	0 1 7.35	7.3 ~~8.2~~	2.54	2.45	9.80
c	8.1 8.5	0 0 8.10	8.1	2.21	2.22	10.32
d	8.4 8.8	0 1 8.35	8.3	2.16	2.17	10.52
e		0 0 9.10	9.1 9.1	1.98	1.99	11.09
f		~~0 0 10.20~~	f f ~~10.2 10.2~~	~~1.14~~		
g		1 0 9.85	9.9 9.8	1.89	1.88	11.73

var	7.1 7.5	1 1 7.0	6.9	Copied on P. 36

1912phae.proj...917H

Friday, March 15, 1918

Measures of Ref. stars for TT Herc.

17h +15

Scale N AC 1855

	Sc B	Sc C		Cw.	Magn.
	7.4	±1			
a	7.8	7.30	7.2	2.14	2.25	9.55
	7.5	±1			
b	7.9	7.60	7.7	2.29	2.16	9.76
	8.4	±1			
c	8.8	8.50	8.6	1.81	1.90	10.40
	8.4	±1			
d	8.8	8.50	8.6	2.01	1.90	10.40
		±0			
e		9.55	9.5 9.6	1.53	1.55	11.08
f		9.90	9.9	1.41	1.48	11.38
		±0			
g		10.20	10.2 10.2	1.54	1.43	11.63

	7.9	° °		
var.	8.3	7.9	7.9	

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Friday, March 15, 1918

Measures of Ref. Stars for JJ Herc.

17h +15

Scale M AM 7003

	Sc 1	Sc 2			Ew.	Magn.	Copied.		
a	7.35	7.3	7.4	2.09	2.12	9.47	9.42	9.54	9.55
b	7.75	7.8	8.7	2.14	2.10	9.85	10.02	9.80	9.76
c	8.40	8.2	8.6	1.91	2.04	10.44	10.26	10.32	10.40
d	8.30	8.2	8.4	2.21	2.05	10.35	10.40	10.52	10.40
e	9.20	9.2	9.2	1.88	1.90	11.10	11.07	11.09	11.08
f	9.55	9.5	9.6	1.76	1.81	11.36	11.33	·	11.38
g	9.90	9.9	9.9	1.84	1.72	11.62	·	11.73	11.63

var 7.25 7.2 7.3

	Mean magn.	Res.			
a	9.50	03	08	04	05
b	9.86	01	16	06	10
c	10.36	08	10	04	04
d	10.42	07	02	10	02
e	11.08	02	01	01	00
f	11.36	00	03	·	02
g	11.66	04	·	07	03

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1912phae.proj..917H

Tuesday, March 19, 1918

164917 JJ Herculis

1:40	Plate	Est		Plate	Est
	am 9060	9.6 ✓		am 9283	9.7 ✓
	am 8368	9.9 ✓		am 2824	9.7 ✓
	am 9108	9.9 ✓		am 9297	9.6 ✓
	am 8247	9.6 ✓		am 2061	9.6 ✓
	am 9130	9.6 ✓		am 9368	9.8 ✓
	am 5707	9.7 ✓		am 2078	10.0 ✓
	am 3536	9.6 ✓		am 2175	9.7 ✓
	am 9192	9.7 ✓		am 7696	9.7 ✓
	am 3585	9.7 ✓		am 6440	9.9 ✓
	am 3639	9.5 ✓		am 7698	9.9 ✓ Poor plate
	am 2895	9.9 ✓		am 7782	9.8 ✓
	am 9249	9.8 ✓		am 6383	9.8 ✓
	am 2693	9.9 ✓		am 8417	10.1 ✓

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1912phae.proj..917H

Tuesday, March 19, 1918

164917 JJ Herculis

Plate	Est	Plate	Est.
am 6504	9.8 ✓	am 432	10.2 ✓
am 6865	9.6 ✓	am 4454	9.7 ✓
am 1219	9.8 ✓	am 472	10.0 ✓ Lucer plate
am 1311	10.2 ✓	am 4485	9.55 ✓
am 1343	9.7 ✓	am 508	9.6 ✓
am 842	9.7 ✓	am 4600	9.6 ✓
am 1382	9.8 ✓	am 4870	9.7 ✓
am 860	9.8 ✓	am 5428	10.2 ✓
am 965	9.8 ✓	am 5528	9.8 ✓
am 4353	9.7 ✓	am 5581	9.7 ✓
am 4366	9.7 ✓	am 5600	10.0 ✓
am 1209	10.1 ✓	am 1009	10.2 ✓
am 211	9.7 ✓	am 2218	10.0 ✓

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1912phae.proj...917H

Tuesday, March 19, 1918

Plate	Est	164917 JJ Herculis Plate	Est
am 1179	9.6 v	am 3074	9.9 v
am 2327	9.7 v	am 4293	9.6 v
am 2525	10.2 v	am 3075	10.0 v
am 1192	9.6 v	am 4330	9.6 v
am 2580	9.8 v	am 3090	9.7 v
am 1395	9.7 v	am 4887	9.8 v
am 2617	9.6 v	am 3133	9.9 v
am 1681	10.2 v	am 4927	9.7 v
am 2654	10.0 v	am 6014	9.7 v
am 1991	9.7 v	am 4969	9.8 v
~~am HC~~ 4222	9.6 v	am 6057	9.6 v
am 2033	9.6 v	am 4989	9.8 v
am 4268	9.6 v	am 5038	9.8 v

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1912phae.proj..917H

Tuesday, March 19, 1918

1649+17 JJ Herculis

	Plate	Est	Plate	Est
	am 5097	9.7 ✓	am 6244	9.8 ✓
Poor	am 6063	9.6 ✓	am 3889	9.6 ✓
	am 5106	9.7 ✓	am 6282	10.1 ✓
	am 6106	9.7 ✓	am 4157	9.8 ✓
	am 5359	10.1 ✓	am 6319	9.6 ✓
	am 3421	9.9 ✓	am 4180	9.8 ✓ Very poor
	am 6183	9.7 ✓	am 6936	9.7 ✓
	am 3442	9.7 ✓	am 7669	10.2 ✓
	am 6217	10.0 ✓	am 8445	9.7 ✓
	am 3462	9.8 ✓	am 6982	9.6 ✓
	am 3793	9.7 ✓	am 8478	9.9 ✓
	am 8229	9.7 ✓	am 7028	9.7 ✓
	am 3821	9.7 ✓	am 8539	9.8 ✓

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1912phae.proj...917H

Tuesday, March 19, 1918

Plate	Est		164917 JJ Herculis Plate	Est
am 7076	9.7		am 101	9.7
am 8542	9.8		am 9449	9.6
am 7106	9.6		am 120	9.8
am 8591	9.8		am 537	9.7
am 7176	9.8		am 9484	9.9 Poor
am 8658	9.8		am 578	9.9
am 8906	10.1		am 9485	9.7 Very Poor
am 7232	9.7		am 658	9.7
am 8951	9.6		am 9865	9.6
am 7245	9.6		am 825	9.7
am 8967	9.6		am 9951	9.6
am 44	9.7		ac 5053	9.7
4:10 am 9019	9.5		ac 1855	9.8

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1912phae.proj..917H

Thursday, March 21, 1918

164917 Hercules

		Plate	Est	Plate	Est.	
8:15	ac	136	9.8 ✓	AC2842	9.7 ✓	
	ac	1868	9.7 ✓	ac816	9.6 ✓	
	ac	2404	9.6	ac9785	9.7 ✓	
	ac	296	9.8 ✓	ac834	9.7 ✓	
	ac	2473	9.7 ✓	ac9801	9.7 ✓	
Im. poor	ac	~~355~~ 410	99 ✓	ac7546	9.6 ✓	Film side injured
	ac	734	9.8 ✓	ac9849	9.8 ✓	
	ac	2543	9.6 ✓	ac10385	10.1 ✓	
	ac	1588	10.0 ✓	ac8589	9.7 ✓	
	ac	738	10.0 ✓	ac10395	9.7 ✓	
	ac	2836	9.7 ✓	ac8512	9.7 ✓	
	ac	784	9.7 ✓	ac10556	9.6 ✓	
	ac	788	9.7 ✓	ac8543	9.7 ✓	

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1912phae.proj..917H

Thursday, March 21, 1918

164917 Herculis

	Plate	Est		Plate	Est
AC	10564	9.6 v	AC	8650	9.6 v
AC	8572	9.7 v	AC	4014	9.9 v
AC	10583	10.2 v	AC	8666	9.7 v
AC	8741	9.7 v	AC	5988	9.7
Very poor AC	6998	10.0 v	AC	6109	9.8 v
AC	7057	Too poor v	AC	4729	9.8 v
AC	8584	9.7 v	AC	6172	Too poor v
AC	6260	9.8 v	AC	6199	9.7 v
AC	3842	9.8 v	AC	4832	9.7 v
AC	8611	9.7 v	AC	7428	9.7 v
AC	8660	9.7 v	AC	4881	10.0: Too poor v
AC	8635	9.6 v	AC	7483	9.7 v
AC	3964	9.7 v	AC	904	9.7 v

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1912phae.proj..917H

Thursday, March 21, 1918

[16 49 17] 73 Herculis

	Plate	Est		Plate	Est	
	AC 7503	9.7	✓	AC 9466	10.1	✓
	AC 942	9.7	✓	AC 7849	9.7	✓
	AC 1362	9.7	✓	AC 9415	10.1	
	AC 962	9.7	✓	AC 9554	9.7	✓
	AC 1398	9.7½	✓ Poor Im. trailed	AC 9548	9.8	✓
	AC 1250	9.8	✓	AC 7893	Too poor.	✓
	AC 1469	9.7	✓	AC 9599	9.5	✓
	AC 1474	9.7	✓	AC 7979	9.6	✓
	AC 7003	9.7	✓	AC 9673	9.6	✓
9:10	AC 1769	9.7	✓	AC 9707	9.7	✓
1:40	AC 7702	9.6	✓	AC 7990	Too dense	✓
	AC 8975	Too poor	✓	AC 8285	9.8	✓
	AC 7758	9.7	✓	AC 8305	9.7	✓

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1912phae.proj..917H

Thursday. March 21, 1918

Plate	Est	Plate	est.
AC 8827	9.7 ✓	AC 3701	9.7 ✓
AC 9714	9.8 ✓	AC 5332	9.7 ✓
AC 3358	9.7 ✓	AC 3717	Too poor ✓
AC 9744	10.1 ✓	AC 5899	9.9 ✓
AC 3455	Black ✓	AC 3817	9.7 ✓
AC 3525	9.8 ✓	AC 15426	9.7 ✓
AC 1574	9.8 ✓	AC 5943	9.7 ✓
AC 3569	9.6 ✓	AC 6363	9.7 ✓
AC 1576	9.6 ✓	AC 15488	10.0 ✓
AC 3583	9.8 ✓	AC 6444	9.5 ✓
AC 1626	9.7 ✓	AC 16120	Too poor ✓
AC 3677	9.7 ✓	AC 15395	9.7 ✓
AC 5251	9.8 ✓	AC 6498	9.7 ✓

164917 JJ Hercules

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1912phae.proj..917H

Thursday, March 21, 1918

Plate	Est		Plate	Est	
			164917 JJ Herculis		
AC 6472	9.7	✓	AC 1683	9.7	✓
AC 15318	9.7	✓	AC 16667	9.7	✓
AC ~~16338~~ 15366	9.7	✓	AC 16827	9.8	✓
AC 4993	9.6	✓	AC 1716	9.6	✓
AC 16369	Light Struck	✓	AC ~~16902~~ 1733	9.6	✓
AC 5097	9.9	✓	AC 17391	9.5	✓
AC 16406	9.6	✓	AC 1788	9.7	✓
AC 5135	off Plate	✓	AC 8838	9.7	✓
AC 5141	9.8	✓ Poor	AC ~~17392~~ 8884	9.7	✓
AC 16423	9.7	✓	AC 17516	9.6	✓
AC 5218	9.7	✓	AC 6511	10.1	✓
AC 1651	~~9.8~~ 10.1	*✓	AC 6665	9.7	✓
AC 16531	9.6	✓	AC 6577	9.7	✓

* Probably mistake in recording.

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Thursday, March 21, 1918

	Plate	Est		164917 JJ Herculis Plate	Est
ac	6598	9.9 ✓	ac	19025 ~~18946~~	9.7 ✓
ac	7656	9.6 ✓	ac	15211	9.8 ✓
ac	6779	9.7 ✓	ac	15227	9.8 ✓
ac	6839	9.6 ✓	ac	19289	9.8 ✓
ac	7661	9.7 ✓	ac	15234	10.1 ✓
ac	6531	9.6 ✓	ac	19315	10.0 ✓
ac	7689	9.7 ✓	ac	15250	9.7 ✓
ac	15121	9.6 ✓	ac	19849	10.0 ✓
am	12220	9.6 ✓	am	10005	9.7 ✓
ac	15144	9.8 ✓	ac	15264	9.7 ✓
am	12246	9.5 ✓	am	10014	9.8 ✓
ac	15189	9.8 ✓	ac	15288	9.8 ✓
am	12256	9.5 ✓	am	10040	9.8 ✓

3:20

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Friday March 22, 1918

16 49 17 JJ Hercules

10:00	Plate	Est		Plate	Est	
am	10911	9.7	✓	aC 18890	9.6	✓
am	10796	10.1	✓	am 10027	10.0	✓
aC	17688	9.7	✓	aC 10636	9.5	✓
am	11079	10.0	✓	aC 11844	9.6	
aC	17798	9.7	✓	aC 10657	9.6	✓
am	11711	9.7	✓	aC 11875	9.6	✓ Scratch across var.
aC	18036	9.7	✓	aC 10688	9.7	✓
am	11845	9.8	✓	aC 11909	9.7	
aC	18360	9.6		aC 10704	9.7	✓
am	11876	9.7	✓	aC 12036	T.P.	✓
Plate black aC	18563	9.7	✓	aC 10781	9.7	✓
am	11894	9.6	✓	aC 12376	9.7	✓
am	12151	9.6	✓	aC 11380	9.55	✓

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Friday, March 22, 1918

164917 JJ Herculis

	Plate	Est.		Plate	Est.	
ac	11509	10.1 ✓		ac 14063	9.9 ✓	Scratch across ✓
ac	11670	9.7 ✓		ac 14069	9.8 ✓	
ac	12390	9.6 ✓		ac 13266	9.5 ✓	
ac	11709	9.7 ✓		ac 14075	9.7 ✓	
ac	12448	9.7 ✓		ac 14127	9.7 ✓	
ac	12452	9.7 ✓		ac 13882	J. Deuse ✓	
ac	11715	9.7 ✓		ac 14142	9.7 ✓	
ac	12482	9.7 ✓		ac 14031	10.1 ✓	
ac	12500	9.7 ✓		ac 14171	9.7 ✓	
ac	13209	9.6 ✓		ac 14043	9.5 ✓	
ac	12608	9.7 ✓		ac 13046	9.8 ✓	
ac	13245	9.7 ✓		ac 14179	9.6 ✓	
ac	12964	9.7 ✓		ac 13113	9.8 ✓	

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Friday, March 22, 1918

164917 JJ Herculis

	Plate	Est		Plate	Est	
ac	14204	9.7 ✓		ac 7576	T.P. ✓	11.20
			2.40			
ac	13163	9.7 ✓	✓	ac 355		
				9.7 9.7 · · 9.7 9.7 9.8 9.8 · · 9.6 9.6 9.7		
				1 2 3 4 5 6 7 8 9 10 11 12 13 14		Poor plate
ac	14213	9.7 ✓	✓	am 3752		
				9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7		
				1 2 3 4 5 6 7 8 9 10 11		
ac	13181	9.7 ✓	✓	am 1402		
				9.7 9.8 9.7 9.6 9.6 9.7		
				1 2 3 4 5 6		
			a	a spiral 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7		
				7 8 9 10 11 12 13 14 15 16 17		
ac	14226	9.7 ✓		am 858		
				9.7 9.7 9.7 9.7 9.7 9.7 9.7		
				1 2 3 4 5 6 7 8		
				9.8 9.9 10.1 10.0 10.1 10.0 10.1 10.0		
				9 10 11 12 13 14 15 16 17		
ac	13186	9.7 ✓		am 4263		
				9.7 9.7 9.7 9.7 9.7 9.6 9.7		
				1 2 3 4 5 6 7		
				9.7 9.7 9.7 9.7 9.7 9.8 9.9 10.1 10.0 10.1		
				8 9 10 11 12 13 14 15 16 17		
poor (fl) ac	14243	10.0 ✓		am 2834		
				9.7 9.7 9.7		
				1 2 3 4		
dense ac	15015	9.6 ✓		am 3658		
				9.7 9.7 9.8 10.0 10.0		
				1 2 3 4 5		
				10.1 10.1 10.0 9.8 9.7 9.7 9.7 9.7		
				6 7 8 9 10 11 12 13 14		
ac	14822	9.7 ✓	✓	am 5766		
				9.7 9.7 9.7 9.7 9.7		
				1 2 3 4 5		
ac	14263	9.8 ✓		ac 17392		
				9.7 9.9 9.7		
				1 2 3		
				10.0 9.8 9.9 9.7 9.7 9.7 9.7		
				4 5 6 7 8 9 10		
ac	15110	9.5 ✓		ac 17398		
				9.7 9.6 9.7		
				1 2 3 4		
				9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.6		
				5 6 7 8 9 10 11 12		
ac	876	T.P. ✓		ac 17648		
				9.6 9.6 9.7		
				1 2 3 4		
				9.7 9.7 9.7 9.7 9.7 9.7 ·		
				5 6 7 8 9 10 11		
ac	903	T.P. ✓		ac 17637		
				9.7 9.7 9.7 9.7 9.7 9.6		
			3:50	1 2 3 4 5 6 7		

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Sat. March 23, 1918

164917 JJ Herculis

Plate	Est	Plate	Est
am 1866	9.7 ✓	am 6520 }	Too badly broken to be mended
ac 4922	9.7 ✓	am 6525 }	
am 9529	9.6 ✓	ac 351 ✓	
am pour ac 2798	9.9 ✓		
am 1502	9.7 ✓		
am 1402	9.7 ✓		

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Tuesday, March 26, 1918

164917 33 Herculis

am 858	Est		Mean	am 3658	Est		Mean
1	.	.		1	9.7	9.7	9.70
2	9.7	9.7	9.70	2	9.8	9.7	9.75
3	9.7	9.7	9.70	3	9.9	9.8	9.85
4	9.7	9.7	9.70	4	10.0	10.0	10.00
5	9.7	9.7	9.70	5	10.1	10.0	10.05
6	9.7	9.7	9.70	6	10.2	10.1	10.15
7	9.7	9.7	9.70	7	10.2	10.1	10.15
8	9.8	9.7	9.75	8	10.1	10.0	10.05
9	9.8	9.8	9.80	9	~~9.9~~ 10.0	9.8	9.90
10	9.8	9.9	9.85	10	~~9.8~~ 9.9	9.7	9.80
11	9.9	10.1	10.00	11	9.8	9.7	9.75
12	10.0	10.0	10.00	12	~~9.8~~ 9.7	9.7	9.70
13	10.1	10.1	10.10	13	~~9.8~~ 9.7	9.7	9.70
14	10.2	10.0	10.10	14	~~9.7~~ m.s.	.	.
15	10.1	10.1	10.10				
16	10.0	10.0	10.00				
17	.	.	.				

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Wed. March 27, 1918

164917 TJ Herculis

aC 17392	Est
1	9.8
2	9.8
3	9.8
4	9.7
5	9.7
6	9.7
7	9.7
8	9.7
9	9.7
10	9.6

I don't believe this varies. The images are not well defined and plate rather dense.

aM 4263	Est.		Mean
1	9.7	9.7	9.70
2	9.7	9.7	9.70
3	9.7	9.7	9.70
4	9.7	9.7	9.70
5	9.7	9.7	9.70
6	9.7	9.6	9.65
7	9.7	9.7	9.70
8	9.7	9.7	9.70
9	9.7	9.7	9.70
10	9.7	9.7	9.70
11	9.7	9.7	9.70
12	9.7	9.7	9.70
13	9.8	9.8	9.80
14	9.9	9.9	9.90
15	10.0	10.1	10.05
16	10.0	10.0	10.00
17			

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Wed. Mar. 27, 1918

Plates Reversed

164917 55 Herculis

	Plate	Est
am	1502	9.7 ✓
ac	2798	9.9 ✓
am	~~8205~~ 9529	9.6 ✓
am	1866	9.8 ✓
ac	4922	9.7 ✓
ac	355	9.7 ✓

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1912phae.proj...917H

Wed. Mar. 27, 1918

Plates Reversed

164917 JJ Hercules

2:45	Plate	Ex	Plate	Ex
	AC 2769	9.6 ✓	AC 9849	9.8 ✓
	AM 7003	9.7 ✓	AC 7546	9.6 ✓ film injured
P. Plate	AC 6998	10.1 ✓	AC 9801	9.7 ✓
	AC 8741	9.7 ✓	AC 834	9.7 ✓
	AC 10583	10.2 ✓	AC 9785	9.8 ✓
	AC 8572	9.7 ✓	AC 816	9.7 ✓
	AC 10564	9.6 ✓	AC 2842	9.7 ✓
	AC 8543	9.6 ✓	AC 788	9.7 ✓
	AC 10556	9.7 ✓	AC 784	9.7 ✓
	AC 8512	9.7 ✓	AC 2836	9.7 ✓
	AC 10395	9.8 ✓	AC 738	10.2 ✓
	AC 8489	9.8 ✓	AC 2588	10.0 ✓
	AC 10385	10.2 ✓	AC 2543	9.7 ✓

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1912phae.proj..917H

Wed. March 27, 1918

Plates Reversed

Plate	Est	Plate	Est
AC 734	9.9 ✓	AC 942	9.7 ✓
AC 410	9.7 ✓ Poor	AC 7503	9.7 ✓
AC 2473	9.7 ✓	AC 904	9.7 ✓
AC 296	10.0 ✓	AC 7483	9.8 ✓
AC 2424	9.7 ✓	AC 4881	10.2 ✓ Mult 3 mag Plate very faint & dense
AC 1868	9.8 ✓	AC 7428	9.7 ✓
AC 236	9.8 ✓	AC 4832	9.8 ✓
AC 1474	9.7 ✓	AC 6199	9.7 ✓
AC 1469	9.7 ✓	AC 4729	9.9 ✓
AC 1250	9.8 ✓	AC 6109	9.7 ✓
AC 1398	9.7 ✓	AC 5988	9.8 ✓
AC 1362	9.7 ✓	AC 8666	9.7 ✓
AC 962	9.7 ✓	AC 4014	10.0 ✓

164917 JJ Herculis

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1912phae.proj..917H

Wed. Mar. 27, 1918

Plates Reversed

Plate	Est	164917 Plate	JJ Hercules Est
ac 8650	9.7 ✓	ac 15189	9.8 ✓
ac 3964	9.6 ✓	am 12256	9.7 ✓
ac 8635	9.7 ✓	ac 19025	9.7 ✓
ac 3860	9.7 ✓	ac 15211	9.7 ✓
ac 8611	9.7 ✓	ac 15227	9.8 ✓
ac 3842	9.9 ✓	ac 19289	9.8 ✓
ac 6260	9.7 ✓	ac 15234	10.2 ✓
ac 8584	9.6 ✓	ac 19315	10.2 ✓
ac 7057	T.P. ✓	ac 15250	9.7 ✓
ac 15121	9.6 ✓	ac 19849	10.1 ✓
am 12220	9.7 ✓	am 10005	9.6 ✓
ac 15144	9.8 ✓	ac 15264	9.7 ✓
am 12246	9.7 ✓	am 10014	9.8 ✓

4:10

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Thurs. March 28, 1918

164917 TJ Herculis

Plates Reversed

	Plate	Est		Plate	Est	
3:15	am 8478	~~9~~ 10.95	✓	am 3462	9.8	✓
	am 8745	9.7	✓	am 6217	9.9	✓
	am 7669	10.1	✓	am 3442	9.7	✓
	am 6936	9.7	✓	am 6183	9.7	✓
	am 4180	T.P.	✓	am 10840	9.7	✓
	am 6319	9.7	✓	AC 15288	9.8	✓
	am 4157	9.7	✓	AC 1855	9.7	✓
	am 6282	~~9.9~~ 10.1	✓	AC 5053	9.6	✓
	am 3889	9.7	✓	am 9951	9.6	✓
	am 6244	9.7	✓	am 825	9.8	✓
	am 3821	9.7	✓	am 9865	9.7	✓
	am 6229	9.7	✓	am 658	9.8	✓
	am 3793	9.7	✓	am 9485	T.P.	✓

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Thurs. Mar. 28, 1918

Plates Reversed

Plate	E of V
am 598	10.0 ✓
am 9484	10.0 ✓ Very Poor
am 537	9.7 ✓
am 120	9.8 ✓
am 9449	9.8 ✓
am 101	9.8 ✓
am 9019	9.6 ✓
am 44	9.7 ✓
am 7245	9.7 ✓
am 8951	9.7 ✓
am 7232	9.8 ✓
am 8906	10.1 ✓
am 6063	9.7 ✓ V.P.

164917 JJ Herculis

Plate	E of V
am 5097	9.8 ✓
am 5038	9.7 ✓
am 4989	9.9 ✓
am 6057	9.7 ✓
am 4969	9.7 ✓
am 6014	9.7 ✓
am 4927	9.7 ✓
am 3133	10.1 ✓
am 4887	9.9 ✓
am 3090	9.7 ✓
am 4330	9.7 ✓
am 3075	10.1 ✓
am 4293	9.7 ✓

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1912phae.proj..917H

Thurs. Mar. 28, 1918

Plates Revised

164917 JJ Herculis

Plate	Est		Plate	Est	
am 3074	10.1 ✓		am 1179	9.7 ✓	
am 4268	9.7 ✓		am 2218	10.0 ✓	
am 2033	9.7 ✓		am 1009	10.2 ✓	
am 4222	9.6 ✓		am 8658	9.9 ✓	Hazy 3 m.
am 1991	9.6 ✓		am 7176	9.8 ✓	
am 2654	10.0 ✓		am 8591	9.7 ✓	
am 1881	10.1 ✓		am 7106	9.7 ✓	
am 2617	9.7 ✓		am 8542	9.8 ✓	
am 1395	9.8 ✓		am 7076	9.7 ✓	
am 2580	9.8 ✓		am 8539	9.8 ✓	
am 1192	9.6 ✓		am 7028	9.7 ✓	Rather poor
am 2525	10.2 ✓		am 5359	10.1 ✓	
am 2327	9.7 ✓		am 3421	10.1 ✓	4:10

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Friday, March 29, 1918

Plates Reversed

164917 TJ Herculis

		Plate	Est		Plate	Est	
3:00	ac	7576	Black ✓		ac 14822	9.8	✓
	ac	14043	9.6 ✓		ac 14263	9.7	✓
	ac	13046	9.9 ✓		ac 15110	9.6	✓
	ac	14179	9.7 ✓		am 10911	9.8	✓
	ac	13113	10.0 ✓		am 10796	10.2	✓
	ac	14204	9.7 ✓		ac 17653	9.7	✓
	ac	13163	9.7 ✓		am 11079	10.1	✓
	ac	14213	9.8 ✓		ac 17798	9.9	✓
	ac	13181	9.7 ✓		am 11711	9.8	✓
	ac	14226	9.7 ✓		am 11845	9.9	✓
	ac	13186	9.8 ✓		ac 11670	9.8	✓
	ac	14243	10.0? ✓ Poor		ac 12390	9.8	✓
	ac	15015	9.6 ✓ Too dense		ac 11709	9.8	✓

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Friday, March 29, 1918

Plates Reversed

164917 73 Herculis

	Plate	Est		Plate	Est.
aC	12452	9.7 ✓		aC13882	T.P. ✓ Fogged
aC	11715	9.7 ✓		aC14142	9.7 ✓
aC	12482	9.8 ✓ Fogged		aC14031	10.2
aC	12500	9.8 ✓		aC14171	9.7 ✓
aC	13209	9.6 ✓		aC10688	9.7 ✓
aC	12608	9.8 ✓ Very foot dense		aC18636	~~10.2~~ 9.7 ✓ dense
aC	13245	9.8 ✓		aC18360	9.7 ✓
aC	12964	9.8 ✓		aM11876	9.7 ✓
aC	14063	10.0 ✓ Scratch across comp. star b		aC18563	? Too dense ✓
aC	14069	10.0 ✓		aM11894	9.5 ✓
aC	13266	9.5 ✓		aM12151	9.8 ✓
aC	14075	9.7 ✓		aC18890	9.6 ✓
aC	14127	9.8 ✓		aM10027	10.1 ✓

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1912phae.proj..917H

Friday, March 29, 1918

Plates Reversed

164917 JJ Herculis

	Plate	Est		Plate	Est
ac	10636	9.7 ✓		aM6383	9.8 ✓
ac	11844	9.7 ✓		aC876	T.P. ✓
ac	10657	9.7 ✓		aC903	T.P. ✓
ac	11875	9.6+ ✓ Scratch across var.		aM4485	9.7 ✓
ac	11909	9.7 ✓		aM508	9.7 ✓
ac	10704	9.7 ✓		aM4600	9.7 ✓
ac	12036	T.P. 700 with halos ✓		aM4870	9.8 ✓
ac	10781	9.7 ✓		aM5428	10.1 ✓
ac	12376	9.7 ✓		aM5528	9.8 ✓
ac	11380	9.7 ✓		aM5581	9.8 ✓
ac	11509	10.2 ✓		aM5600	9.95 ✓ 10.0
ac	12448	9.7 ✓		aM9060	9.7 ✓
aM	7698	9.9 ✓		aM8368	9.9 ✓

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1912phae.proj..917H

Friday, March 29, 1918

Plates Reversed

164917 JJ Herculis

Plate	Est		Plate	Est	
am 9108	10.1	✓	am 9297	9.7	✓
am 8247	9.7	✓	am 2061	9.8	✓
am 9130	9.6	✓	am 9368	9.8	✓
am 5707	9.8	✓	am 2078	10.1	✓
am 3536	9.7	✓	am 2175	9.8	✓
am 9192	9.6	✓	am 7696	9.7	✓
am 3585	9.6	✓	am 6440	10.0	✓
am 3639	9.5	✓	am 5106	9.7	✓
am 2895	9.8	✓	am 6106	9.8	✓
am 9249	9.7	✓	am 7782	9.7	✓
am 2693	9.9	✓	am 8417	10.1	✓
am 9283	9.6	✓	am 6504	9.9	✓
am 2824	9.7	✓	am 6865	9.7	✓ 4:20

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1912phae.proj...917H

Monday, April 1, 1918

Plates Reversed

164917 JJ Herculis

	Plate	Est	Plate	Est
1:45	aC 6779	9.7 ✓	aC 7702	9.7 ✓
	aC 8884	~~9.8~~ ✓ V. P.	aC 5332	9.7 ✓
	aM 2834	9.8 ✓	aC 9673	9.7 ✓
	aC 5141	10.0 ✓ V. P.	aC 8975	9.7 ✓ V. dense poor film.
	aC 16423	9.8 ✓	aC 7758	9.7 ✓
	aC 5218	~~9.8~~ 9.8 ✓ V. P.	aC 1788	9.7 ✓
	aC 1651	10.2	aC 9466	10.2 ✓
	aC 16531	9.8 ✓	aC 7849	9.7 ✓
	aC 1683	9.7 ✓	aC 8838	9.7 ✓
			aC 17516	9
	aC 16665	9.7 ✓	→	9.8 ✓
	aC 16827	9.8 ✓	aC 9514	9.8 ✓
	aC 1716	9.7 ✓	aC 9556	9.7 ✓
	aC 17302	9.8 ✓ dense	aC 9548	9.9 ✓ Dense

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1912phae.proj..917H

Monday, April 1, 1918

Plates Reversed

Plate	Est	Plate	Est
		164917 JJ Herculis	
AC 9599	9.7 ✓	AC 3525	9.8 ✓
AC 7979	9.7 ✓	AC 1574	9.9½ ✓ Im. not comp.
AC 9707	9.7 ✓	AC 3569	9.7 ✓
AC 7990	Too dense ✓	AC 1576	9.8 ✓
AC 6511	10.2 ✓	AC 3583	9.7 ✓
AC 6665	9.7 ✓	AC 1626	9.9 ✓
AC 8287	9.9 ✓	AC 7656	9.7 ✓
AC 8305	9.6 ✓	AC 7661	9.7 ✓
AC 8827	9.7 ✓	AC 6531	9.7 ✓
AC 9714	9.8 ✓	AC 7689	9.7 ✓
AC 3358	9.8 ✓	AM 6982	9.6 ✓
AC 9744	10.15 ✓	AC 3677	9.7 ✓
AC 3455	Too black ✓	AC 5251	9.9 ✓

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1912phae.proj..917H

Monday, April 1, 1918

Plates Reversed

Plate	Est	Plate	Est
		164917	JJ Herculis
ac 3701	9.7 ✓	ac15395	9.75 ✓
ac 6577	9.9 ✓	ac6498	10.0
ac 6598	10.0 ✓	ac6472	9.8 ✓
ac 6839	9.6 ✓	ac15318	9.7 ✓
ac 3717	✓ Image m. s.	ac15366	9.7 ✓
ac 5899	10.0 ✓	ac4993	9.8 ✓
ac 3817	9.7 ✓	ac16369	✓ Light streaks
ac 15426	9.8 ✓	ac5097	10.0 ✓
ac 5943	9.7 ✓ Very dense	ac16406	9.6 ✓
ac 6363	9.7 ✓	am1219	9.7 ✓
ac 15488	10.2 ✓	am1311	10.2 ✓
ac 6444	9.6 ✓	am1343	9.7 ✓
ac 16120	T.P. ✓	am842	9.7 ✓

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1912phae.proj..917H

Monday, April 1, 1918

Plates Reversed

Plate	Est
am 1382	9.8 ✓
am 860	10.0 ✓
am 965	9.8 ✓
am 4353	9.75 ✓
am 4366	9.7 ✓
am 1209	10.1 ✓
am 211	9.75 ✓
am 432	10.2 ✓
am 4454	9.8 ✓
am 472	10.1 ✓
3:15 ac 6172	✓ – Nothing on it

164917 JJ Herculis

Plate	Est

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1912phae.proj..917H

Tues. April 2, 1918

Plates Reversed

Plate	Est	Plate	Est
♀ 21379	10.2 ✓	♀ 15814	9.7 ✓
♀ 17605	10.0 ✓	♀ ~~17605~~ 13363	9.7 ✓
♀ 25885	9.75 ✓	♀ 4244	9.8 ✓
♀ 4102	9.8 ✓	♀ 6470	9.7 ✓
♀ 4114	9.75 ✓	♀ 11126	9.7 ✓
♀ 8722	9.7 ✓	B34361	9.7 ✓
♀ 10948	9.7 ✓	B34363	9.7 ✓
♀ 11099	9.8 ✓	B43843	9.8 ✓
♀ 18873	9.75 ✓	B44039	9.8 ✓
♀ 22951	9.7 ✓	B34362	9.7 ✓
♀ 25809	9.8 ✓		
♀ 28954	9.75 ✓		
♀ 12944	9.7 ✓		

164917 JJ Herculis

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1912phae.proj..917H

Wed. April 2, 1918

Plates Reversed 164917 JJ Herculis

	Plate	Est	Plate	Est	
2:20	ϕ 11126	9.7 ✓	ϕ 6470	9.7 ✓	Scratch across comp. star b.
	ϕ 10948	9.75 ✓	ϕ 4102	9.75 ✓	
	ϕ 12,944	9.7 ✓	ϕ 4114	9.75 ✓	
	ϕ 17605	10.2 ✓	ϕ 5814	9.7 ✓	
	ϕ 18873	9.7 ✓	ϕ 21379	10.15 ✓	
	ϕ 11099	9.8 ✓	B 34361	9.7 ✓	
	ϕ 8722	9.65 ✓	B 44039	9.7 ✓	
	ϕ 25509	9.8 ✓	B 34362	9.6 ✓	
	ϕ 22951	9.6 ✓	B 34363	9.65 ✓	
	ϕ 25885	9.7 ✓	B 43843	9.75 ✓	3:00
	ϕ 28954	9.7 ✓			
	ϕ 1363	9.7 ✓			
	ϕ 4844	9.8 ✓ E			

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1912phae.proj...917H

Tuesday, April 9, 1918

164917 TT Herculis

	Plate	Est	Plate	Est
8:15	AC 18790	9.6 ✓	AC 12559	9.9 ✓
	AC 17652	9.6 ✓	AC 11930	10.0 ✓
	AM 3749	9.6 ✓	AC 11918	9.7 ✓
	AC 11826	9.7 ✓	AC 11802	9.6 ✓
	AC 11657	9.7 ✓	AC 11752	9.6 ✓
	AC 11561	9.9 ✓	AC 9414	9.7 ✓
	AC 11558	9.95 ✓	AC 8454	9.7 ✓
	AC 6280	9.8 ✓	AM 2764	9.7 ✓
	AC 8644	9.9 ✓	AM 6431	9.7 ✓
	AC 10524	9.6 ✓	AM 8431	9.6 ✓
	AC 10527	9.7 ✓	AC 6521	9.7 ✓
	AC 1665	9.8 ✓	AC 2672	9.7 ✓
	AC 14160	9.7 ✓	AC 5416	9.7 ✓

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1912phae.proj..917H

Tuesday, April 9, 1918

164917 JJ Herculis

Plate	Est	Plate	Est
AC 16216	9.8 ✓	AC 18036	9.7 dense
AC 8361	9.7 ✓	AC 6498	9.8
AC 2622	9.7 ✓	AC 17940	9.8 ✓ Poor
AC 3518	9.7 ✓	AC 18405	9.7 ✓ dense
AC 8287	9.8 ✓	AC 18631	9.8 ✓ Poor
AC 8884	9.8 ✓ Poor	AC 18714	9.8 ✓
AC 9514	9.8 ✓	AC 18818	9.6 ✓
AC 1716	9.7 ✓	AC 18854	T.P. ✓
AC 16827	9.75 ✓	AC 18877	9.7 ✓
AC 16665	9.7 ✓	AC 18938	T.P. ✓
AC 6598	9.9 ✓	AC 17851	T.P. ✓
AC 17391	9.7 ✓	AC 17720	T.P. ✓
AC 2424	9.6 ✓	AC 17557	9.8 ✓

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1912phae.proj...917H

Tuesday, April 9, 1918

Plate	Est			Plate	Est	
AC 17449	9.8 ✓			164917 TJ Herculis		
AC 17443	10.2 ✓ Extremely poor			AC 16556	9.6.	
AC 17382				AC 16252	9.8.	
			mean	AC 16276	9.8.	
1	9.7	9.7	9.70			
2	9.7	9.7	9.70	AC 16320	9.8.	
3	10.0	10.1	10.05			
4	10.0	9.9	9.95	AM 6926	9.8	
5	10.1	10.0	10.05			
6	10.0	10.0	10.00	AC 19153	9.5 ✓	
7	10.0	9.9	9.95			
8	9.7	9.7	9.70	AC 19073	9.8 ✓	
9	9.7	9.7	9.70			
10	9.8	9.8	9.80	AC 18944	T.P. ✓	9.30
11	n.s.	.	.			
AC 16455	9.8.			AC 2728	9.6 ✓	
AC 16483	9.7.					
AC 16500	9.8.					
AC 16760	9.75					
AC 16720	T.P.					

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1912phae.proj..917H

Tues. April 9, 1918

Plates Reversed.

	Plate	Est		Plate	Est	
				19 Hercules		
				164917		
3:00	AC 16252	9.8 ✓		AC 18877	9.7 ✓	
	AC 16556	9.7 ✓		AC 18854	T.P. ✓	
	AC 16720	T.P. ✓		AC 18818	9.6 ✓	
	AC 16760	9.8 ✓		AC 18714	10.0 ✓	
	AC 16500	9.9 ✓		AC 18631	9.7? ✓	Poor
	AC 16483	9.7 ✓		AC 18405	9.6 ✓	Dense
	AC 16455	10.1 ✓		AC 17940	9.7 ✓	Poor
	AC 17443	10.2? ✓	Very poor	AC 6498	9.9 ✓	
	AC 17449	9.8 ✓		AC 18036	9.9 ✓	Poor
	AC 17557	9.8 ✓		AC 2424	9.8 ✓	
	AC 17720	T.P. ✓		AC 17391	9.6 ✓	
	AC 17851	T.P. ✓		AC 6598	10.0 ✓	
	AC 17938	T.P. ✓		AC 16665	9.7 ✓	

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1912phae.proj...017H

Tues. April 9, 1918

Plates reversed.

Plate	E-V	Plate	E-V
		164917 JJ Herculis	
AC 16827	9.7 ✓	AC 1626	9.9 ✓
AC 1716	9.7 ✓	AC 8416	9.7 ✓
AC 9514	9.8 ✓	AC 2672	9.7 ✓
~~AC 8884~~	10.0 Dense	AC 6521	9.8 ✓
AC 8287	9.8 ✓	AC 7420	9.7 ✓
AC 19073	9.7 ✓	AM 8431	9.7 ✓
AC 19153	9.6 ✓	AM 6431	9.7 ✓
AM 6926	9.7 ✓	AM 2764	9.8 ✓
AC 16320	9.85 ✓	AC 8454	9.8 ✓
AC 16276	10.0 ✓ Comp. star b not clear	AC 9414	9.7 ✓
AC 3518	9.8 ✓	AC 11752	9.65 ✓
AC 2622	9.7 ✓	AC 11802	9.7 ✓
AC 8361	9.75 ✓	AC 11930	10.1 ✓

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1912phae.proj..917H

Tues. April 9, 1918

164917 TJ Herculis

Plate	Est
AC 11918	9.7 ✓
AC 12559	10.0 ✓
AC 14160	9.7 ✓
AC 1665	9.9 ✓
AC 10524	9.7 ✓
AC 8644	9.9 ✓
AC 6280	9.7 ✓
AC 11558	9.8 ✓
AC 11561	9.9 ✓
AC 11657	9.7 ✓
AC 11826	9.7 ✓
AC 18790	9.7 ✓
AC 17652	9.8 ✓

Plate	Est
ACM 3749	9.6 ✓
AC 17382	
1	9.7
2	9.7
3	10.1
4	9.9
5	10.0
6	10.0
7	9.9
8	9.7
9	9.7
10	9.8
11	9.5
AC 2728	9.7 ✓

4:30

AC 10527 9.7 ✓

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1912phae.proj..917H

Thurs. May 2, 1918

164917 TJ Herculis

Reversed.

Plate	Est	Plate	Est
AM 37	9.75	AM 37	9.75
AC 1651	10.1		
AM 8967	9.65		
AM 9865	9.65		
AM 5766	9.7 m. ?		
AM 3752	9.8 m. ?		
AC 4826	9.7	AC 4826	9.8

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1912phae.proj..917H

Friday, May 3, 1918

164917 JJ Herculis

		Plate	Est		Plate	Est
3:45 –	am	13342	9.7 ✓	am	10669	9.9 ✓
	am	13325	9.7 ✓	am	10603	9.7 ✓
	am	12062	9.7 ✓	am	10562	9.6 ✓
	am	12052	9.7 ✓	am	10436	10.0 ~~9.9~~ ✓
	am	12042	9.6 ✓	ac	19891	9.7 ✓
	am	12070	9.7 ✓	ac	19942	9.8 ✓
	ac	17586	9.6 ✓ m. f.			
	ac	17640	9.65 ✓ m. f.			
	ac	17645	9.75 ✓ m. f.			
	am	11259	9.8 ✓			
	am	10980	9.6 ✓			
	am	10708	9.65 ✓			
	am	10687	9.75 ✓			

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1912phae.proj...917H

Friday, May 3, 1918

Plates Reversed.

164917 TJ Herculis

	Plate	Est		Plate	Est
aC	19942	9.9	aM	11259	9.75
aC	19891	9.8	aC	17645	9.7
aM	10436	10.1	aC	17640	9.65
aM	10562	9.7	aC	17586	9.7
aM	10603	9.7	aM	12070	9.7
aM	10669	10.1	aM	12042	9.7
aM	10687	9.8	aM	12052	9.8
aM	10708	9.7	aM	12062	9.75
aM	10980	9.6	aM	13325	9.8
aM	10708	9.6	aM	13371	9.8
aM	10980	9.7			
aM	10708	9.65			
aM	10687	9.8			

4:00

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1912phae.proj..917H

Tuesday, May 21, 1918

164917 JJ Herculis

3:00

Plate	Est		Plate	Est
am 13342	9.7		am 10669	9.95
am 13325	9.7		am 10603	9.7
am 12062	9.7		am 10562	9.5
am 12052	9.7		am 10436	10.1
am 12042	9.65		ac 19891	9.65
am 12070	9.7		ac 19942	9.8
ac 17586	9.7	m.f.		
ac 17640	9.6	m.f.	Been done twice before	
ac 17645	9.7	m.f.		
am 11259	9.7			
am 10980	9.65			
am 10708	9.6			
am 10687	9.7			

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1912phee.proj...0171

Tuesday, May 21, 1918

Plates reversed 164917 TJ Herculis

	Plate	Est		Plate	Est
ac	19942	9.9		am 12070	9.7
ac	19891	9.8	Fogged	am 12042	9.7
am	10436	10.1		am 12072	9.7
am	10562	9.6		am 12062	9.7
am	10603	9.65		am 13325	9.75
am	10669	10.05		am 13342	9.8
am	10687	9.8			
am	10708	9.6			
am	10980	9.65			
am	11259	9.9			
ac	17645	9.75	m.f.		
ac	17640	9.65	m.f.		
ac	17586	9.7	m.f.		

5:45

Been done twice before.

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1912phae.proj..917H

Tuesday, May 21, 1918

164917 JJ Herculis

Reversed

	Plate	Est		Plate	Est
ac	17648	9.75 ✓	m.t.	ac12482	9.9 ✓
ac	17637	9.7 ✓	m.t.	ac12448	9.8 ✓
am	9951	9.7 ✓		ac12390	9.7 ✓
ac	17392	9.8 ✓	m.t.	ac12376	9.75 ✓
ac	17398	9.7 ✓	m.t.	ac12452	9.8 ✓
ac	07420	9.7 ✓		ac7420	9.7 ✓
ac	12452	9.7 ✓		ac17398	9.7 ✓ m.t.
ac	12376	9.7 ✓		ac17392	9.9 ✓ m.t.
ac	12390	9.6 ✓		am9951	9.80 ✓
ac	12448	9.7 ✓		ac17637	9.7 ✓ m.t.
ac	12482	9.75 ✓		ac17648	9.8 ✓ m.t.
am	8205			am8205	

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Monday, June 24, 1918

Sheet no. 188

Series B 189

Scale m
9:45

B47 114 ~~Cente~~ C6 11 01 +14.9

	Sc 1		Sc 2		
1	4.2 4.0	4.20	4.2	2.56	
2	4.4 4.2	4.30	4.2	2.58	Elong. Im.
3	5.0 4.8	4.90	4.8	2.61	
4	4.7 4.5	4.75	4.8	2.71	
5	5.1 4.9	5.15	5.2	2.62	
6	5.1 4.9	5.25	5.4	2.96	
7					
8					
9	6.0 5.8	5.95	5.9	2.54	
10	6.0 5.8	6.00	6.0	2.90	
10a	6.2 6.0	6.30	6.4	2.76	
11					
12	6.5 6.3	6.60	6.7	2.74	
13	6.9 6.7	6.85	6.8	2.84	
14	~~6.3~~	7.45	7.4	2.61	
14a		8.00	7.9	8.1	
15					
16		7.75	7.6	7.9	2.77
17		8.10	8.0	8.2	2.68
18					
19		8.05	8.0	8.1	2.88
21		8.35	8.3	8.4	2.91
22		8.50	8.4	8.6	3.04
23		8.75	8.7	8.8	3.08
24		8.85	8.9	8.8	3.31
25		8.90	8.8	9.0	3.43
26a		9.25	9.3	9.2	

	Sc 1	P.C.	Sc 2	
26b			9.60 9.6	9.6
26c			9.55 9.5	9.6
26			9.70 9.7	9.7 2.98
27			9.60 9.5	9.7 3.52
28			9.85 9.8	9.9 3.33

	Sc 1	P.C.	Sc 2	
1			8.35 8.3	8.4 −1.59
2			8.45 8.4	8.5 −1.57
3	~~6.3~~		8.50 8.6	8.4 −0.99
4			8.80 8.9	8.7 −1.24
5			9.00 9.0	9.0 −1.23
6			9.00 9.0	9.0 −0.79
9			9.35 9.4	9.3 −0.76
10			9.75 9.8	9.7 −0.75
10a			9.85 9.9	9.8 −0.79
12			9.95 10.0	9.9 −0.61

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Monday, June 24, 1918

Scale M B47114 C6 (cont.) 17 01 +14.9

	Sc 1	diff. from Sc 2	T.P.	Sc 2	h
1	7.19 / 6.9				−0.34
2					
3	8.0 / 7.8	7.90	11	7.8	−0.39
4	8.2 / 8.0	8.00	22	7.8	−0.44
5	8.0 / 7.8	7.85	21	7.7	−0.08
6	8.7 / 8.5	8.45	32	8.2	−0.24
9	8.9 / 8.7	8.75	12	8.6	−0.16
10	9.1 / 8.9	8.95	12	8.8	−0.05
10a	9.0 / 8.8	8.95	01	8.9	+0.11
12	9.3 / 9.1	9.10	22	8.9	0.24
13	9.4 / 9.2	9.30	11	9.2	0.39
14	9.5 / 9.3	9.35	12	9.2	0.31
15	9.6 / 9.4	9.50	11	9.4	0.56
16	10.0 / 9.8	9.85	21	9.7	0.67

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Copied BK 35 p 16

Monday, June 24, 1918

β47115 Parte 11 00 −2.5 Diff. corr +04

	Sc 1		Sc 2				Sc 1	P.C	Sc 2			
1	4.7 4.5	4.65 10	4.6	3.00	7.65	1			8.8 8.70 11 8.6	−1.23	7.47	
2	5.0 4.8	5.00 00	5.0	3.00	8.00	2			8.8 8.80 00 8.8	−1.20	7.60	
3	5.8 5.6	5.70 11	5.6	3.01	8.71	3			9.5 9.45 10 9.4	−0.78	8.67	
4	5.97 5.8	5.80 11	5.7	3.02	8.82	4			9.8 9.85 01 9.9	−0.68	9.17	
5	5.9 5.7	5.90 00	5.9	3.03	8.93	5			9.9 9.90 00 9.9	−0.66	9.24	
6	6.5 6.3	6.50 00	6.5	3.06	9.56	6						
7	6.5 6.3	6.60 11	6.7	3.07	9.67	7						
8	7.0 6.8	6.95 02	6.9	3.10	10.05	8						
9	7.1 6.9	7.10 00	7.1	3.11	10.21	9						
10		7.75 01 7.8	7.7	3.19	10.94	10						
11		7.90 11 7.8	8.0	3.23	11.13							
12		8.00 00 8.0	8.0	3.24	11.24							
13		8.80 00 8.8	8.8	3.46	12.26							
14		8.90 00 8.9	8.9	3.50	12.40	1	7.2	7.10 11	7.0	−0.07	7.03	
15		9.10 11 9.0	9.2	3.57	12.67	2	7.9	7.80 11	7.7	0.05	7.85	
16		9.10 00 9.1	9.1	3.57	12.67	3	8.4	8.45 01	8.5	0.17	8.62	
17		9.70 00 9.7	9.7	3.86	13.56	4	8.5	8.55 10	8.6	0.19	8.74	
18		9.85 10 9.9	9.8	3.93	13.78	5	8.7	8.60 11	8.5	0.20	8.80	
19							9.0	9.10 11	9.2	0.36	9.46	
							9.1	9.15 10	9.2	0.38	9.53	
							9.4	9.50 11	9.6	0.50	10.00 12.6	
							9.9	9.85 10	9.8	0.66	10.51	

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Cf. Ford Bk 34 35 p 109

Monday, June 24, 1918

Scale m 8347116 30 1/2 ~~RS Canum~~ 11 04 -61.4 add. corr -11

	Sc 1	Sc 2				Sc 1	I.C.	Sc 2		
1	3.9 3.7		3.01	6.91	1			8.7	-1.23	7.47
2	3.9 ~~3.7~~		3.01	6.91	2			9.35 9.3 9.4	-0.94	8.41
3	5.1 4.9		3.00	8.10	3			9.65 9.6 9.7	-0.77	8.88
4	5.4 5.2		3.01	8.41	4			9.9 9.9 9.9	-0.66	9.24
5	6.2 6.0		3.03	9.23	5					
6	6.7 ~~6.5~~	6.70	6.7 3.07	9.77	6					
7	7.0 6.8	6.95	6.9 3.10	10.05						
8	~~7.9~~ ~~7.4~~		7.9 3.22	11.12						
9	~~8.3~~		8.3 3.31	11.61						
10		8.65 8.6 8.7	3.41	12.06						
11		9.00 8.9 9.1	3.54	12.54						
12		9.55 9.6 9.5	3.80	13.35						
13		9.75 9.7 9.8	3.90	13.65						
14		9.95 9.9 10.0	4.00	13.95						
15										

Diff. Im.

	g		h		
1	7.8	7.75	7.7	0.01	7.76
2	7.9	7.90	7.9	0.06	7.96
3	8.4	8.50	8.6	0.17	8.67
4	8.9	8.85	8.8	0.27	~~9~~ 9.12
5	9.3	9.30	9.3	0.43	9.73
6	9.8	9.70	9.6	0.60	~~9~~ 10.30
7	10.0	10.00	10.0	0.24	10.24

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Monday; June 24, 1918

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Scale m. B 47116 R S Carinae 11 04 -61.4

	Sc 1		Sc 2				Sc 1	Pe.	Sc 2		
a	3.6 3.3			3.01	6.51	a			7.7		
d'	6.7 6.5	6.60	6.5	3.07	9.67	d'			8.9	-1.16	7.74
f	6.9 6.7	6.90	6.9	3.10	10.00	f					
h		dbl	8.4 9.0								
k			7.6	3.17	10.77						
l			7.7	3.19	10.89						
m			8.3	3.30	11.60						
n			8.5	3.36	11.86						

1 = b

2 = c

4 = d

8 = g

Diff.

	g		h		
a	7.3	7.25	7.2	-0.05	7.20
d'	9.4	9.45	9.5	0.47	9.92
f	9.7		Sup. on star	0.60	10.30

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Monday, June 24, 1918
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Scale M B47117 R S Centauri 11 16 -61.3

	Sc 1		Sc 2				Sc 1	P.C.	Sc 2			
a	5.1 4.9	5.15 -10	5.2	3.00	8.15	a			9.40 00 9.4	9.4	-0.92	8.48
b	5.4 5.2	5.30 -11	5.2	3.00	8.30	b			9.85 01 9.8	9.9	-0.68	8.17
c	6.2 6.0	6.25 01	6.3	3.04	9.29	c						
d			7.0	3.11	10.11							
d'			7.2	3.13	10.33							
e	omit											
f			7.8	3.20	11.00							
g			7.9	3.23	11.13							
h			8.4	3.33	11.73	a	8.1	8.05 -10		8.0	0.08	8.13
k			9.0	3.53	12.53	b	8.7	8.65 -10		8.6	0.22	8.87
l			9.1 9.4	3.57	12.67	c	9.3	9.25 -10		9.2	0.40	9.65
m			9.4 9.3	3.70	13.05	d	def. one sm.			9.8	0.64	10.44
n			9.3 9.4	3.70	13.05	d'	10.0	9.95 -01		9.9	0.71	10.66
n'			9.7 9.6	3.83	13.48	f						
o p			9.7 9.8	3.90	13.65	g						
p			9.8 9.9	3.94	13.79							

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Monday, June 24, 1918

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Scale M

B47118 X Centauri 11 44 −41.2

	Sc 1		Sc 2			
a	4.4 4.2		3.00	7.40		
a'	5.3 5.3		3.01	8.51		
~~a²~~	6.1					
a²	5.9	6.00 11	5.9	3.03	9.03	a
~~b~~	6.2					
b	6.0	6.20 00	6.2	3.04	9.24	a'
c	7.1 6.9	7.05 10	7.0	3.10	10.15	a²
c'	7.0 6.8	7.00	7.0	3.10	10.10	b
d			7.2	3.13	10.33	c
e			7.8	320	11.00	c'
f			7.9	3.23	11.13	d
g			8.4	3.33	11.73	e
h			8.5	3.37	11.87	f
h'		8.95 10	8.9 9.0	3.52	12.47	
k		9.40 00	9.4 9.4	3.72	13.12	
l		9.70 00	9.7 9.7	386	13.56	
m		9.90 00	9.9 9.9	396	13.86	

P.C.

Sc 1	Sc 2		
	8.9	−1.16	7.74
a	9.45 10		
a'	9.5 9.4	−0.90	8.65
a²	9.70 00		
b	9.7 9.7	−0.75	8.95
c	9.90 00		
c'	9.9 9.9	−0.66	9.24

	g		Diff.	h		
a	~~8.1~~ 7.7	7.70 00		7.7	0.01	7.71
a'	8.2	8.20 00		8.2	0.12	8.32
a²	8.3	8.20 11		8.1	0.12	8.32
b	8.8	8.80 00		8.8	0.26	9.06
c	9.5	9.55 10		9.6	0.51	10.06
c'	9.8	9.75 01		9.7	0.61	10.36
d	9.7	9.80 11		9.9	0.64	10.44
e	10.0	10.00 00		10.0	0.74	10.74

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Sheet no. 188

Scalum

B47119 C7 13 01 +14.9

P.C.

	Sc 1	Sc 2			Sc 1	Sc 2	
	3.3						
1	3.1		3.55				
	4.3						
2	4.1		3.41	1		8.2	−1.35
	4.5						
3	4.3		3.61	2		8.9	−1.19
	5.1					9.10 1.1	
4	4.9		3.10	3		9.0 9.2	−0.99
	5.2					9.25 01	
5	5.0		3.36	4		9.2 9.3	−0.99
	5.8					9.55 1.0	
6	5.6	5.70 1.1	5.6 3.24	5		9.5 9.6	−0.99
	6.0					9.8 00	
7	5.8	5.90 1.1	5.8 3.30	6		9.8 9.8	−0.86
	6.3			7			
8	6.1	6.20 1.1	6.1 3.40				
	6.1		8.81				
9	5.9	6.00 11	5.9 Poor 9m.				
	6.7						
10	6.5	6.75 1.0	6.8 3.34			Diff.	
	7.1				g		h
11	6.9	7.05 1.0	7.0 3.06				
	7.2			1	6.0?	Very poor 9m.	0.85
12	7.0	7.10 1.1	7.0 3.26	2	7.4	7.55 3 1	7.7 0.16
13			7.1 3.56	3	7.6	7.70 1.1	7.8 0.41
14			7.2 3.62	4	8.0	8.00 00	8.0 0.20
15			7.5 3.49	5	8.1	8.20 1.1	8.3 0.36
16			~~7.8~~ 8.1 3.43	6	8.7	8.65 1.0	8.6 0.29
		8.00 00		7	8.9	8.85 1.0	8.8 0.35
17		8.0 8.0	3.56	8	9.3	9.25 1.0	9.2 0.35
		8.30 12		9	9.7	9.70 00	9.7 0.11
18		8.4 8.2	3.39				
		8.65 1.0		10	9.9	9.75 1.2	9.6 0.36
19		8.7 8.6	3.36				
		8.65 01					
20		8.6 8.7	3.61				
		9.10 1.1					
21		9.2 9.0	3.78				
		9.15 01					
22		9.2 ~~8.9~~ 9.1	4.09				
		9.40 00					
23		9.4 9.4	4.00				
		9.75 01					
24		9.8 9.7	4.15				
		9.75 1.0					
25		9.7 9.8	4.23				
		9.95 01					
26		9.8 9.7	4.56				
		9.95 0.1					
27		10.0 9.9	4.67				

3:15

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Scale m.

Series 930

NC 14937 a 2 12 01 +75.0

		Sc 1	Sc 2	Diff	Mean		Sc 1	Sc 2	Diff
9:20	1	B				22a	8.6 8.60	8.6 8.7	8.65 05 05
	2	1.8 2.0			2.1 1.9 2.05 05 05	23	9.0 9.05	9.1 9.0	9.02 03 02 4.20
	3	2.6 4 2.6			2 5 2.55 0 1 4.69	24	9.2 9.15	9.1 9.5	9.32 17 18 4.15
	4	Off Plate			.	25	9.6 9.60	9.6 9.6	9.60 00 00 4.09
	5	2.7 2.9			3.0 2.8 2.95 10 5.09	25a	9.3 9.40	9.5 9.5	9.45 05 05
	6a	Off plate			.	25b	9.9? 9.97	M.S. 9.8	9.85 10
	6a	2.8 3.0			3.0 2.8 3.00 00	26	9.8 9.80	9.8 9.8	9.80 00 4.38
	7a	2.9 3.1			3.1 2.9 3.10 00	5.36			
	8a	3.7 3.9			3 8 3.85 10 5.03				
	8b	3.8 4.0			3.9 3.95 01 5.10				
	9	3.6 3.8			3.5 7 3.75 01 5.30	1	6.1 6.25	6.18 08 07	0.81
	10	3.7 3.9			3.9 4.1 4.00 11 5.24	2	6.9 6.95	6.92 02 03	0.34
	11	4.7 4.9			4.8 5.0 4.95 10 4.93	3	7.2 7.2	7.20 00 00	0.24
	12	4.7 4.9			5.0 2 5.05 12 4.87	5	8.0 8.0	8.00 00 00	0.04
	13	5.0 5.2			5.2 4 5.30 1 14.99	6a	8.3 8.3	8.30 00 00	
	14	5.2 5.4			5.2 4 5.40 00 4.99	7a	8.8 8.7	8.75 01	−0.29
	15	5.8 6.0			6.05 6.02 4.62 02 03	8a	9.1 9.1	9.10 00	−0.22
	15a	6.9 7.1			7.2 25 7.18 08 07	8b	9.4 9.4	9.40 00	−0.25
	16	5.8 6.0			6.00 5.9 6.00 00 00 4.75	9	9.3 9.6	9.45 12	−0.30
	17	6.0 6.2	6.80		6.0 6.30 6.20 10 10 4.62	10	9.5 9.7	9.60 11	−0.36
	17a	6.9 7.1	7.00		6.9 7.05 7.02 02 03 4.50	11	9.9 10.0	9.95 10	−0.07
	18	7.2 Sc 2			7.2 7.2 7.20 00 4.48	12	10.0 .	10.0 0	−0.08
	19	7.9			7.9 7.9 7.90 00 4.13	13			
	20	7.5			7.5 7.5 7.50 00 4.31	14			
	21	7.7			7.7 7.8 7.75 10 4.37	15			
	21a	8.2			8.2 8.1 8.15 01 3.95	15a			
	21	8.4			8.4 8.6 8.50 11 4.08	16			

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Scale M

MC 14937 a_2 12 01 +75.0

	Sc 1 h	Diff.	Sc 2 q	p.98		Diff.
1	5.5	5.55	5.6	5.60	5.58 03 02	1.41
2	5.9	5.90	5.9	6.00	5.95 05 05	1.21
3	5.9	5.95	6.0	5.95	5.95 00 00	1.49
5	6.4	6.45	6.5	6.52	6.48 03 04	1.56
6a	7.2	7.20	7.2	7.05	7.12 08 07	
7a	7.5	7.55	7.6	7.75	7.65 10 10	0.81
8a	8.1	8.15	8.2	8.15	8.15 00 00	0.73
8b	8.2	8.25	8.3	8.40	8.32 07 08	0.73
9	8.2	8.30	8.4	8.40	8.35 05 05	0.80
10	8.5	8.55	8.6	8.50	8.52 03 02	0.62
11	8.9	9.00	9.1	8.95	8.98 02 03	0.90
12	9.3	9.30	9.3	9.30	9.30 00 00	0.62
13	9.6	9.65	9.7	9.75	9.70 05 05	0.59
14	9.5	9.65	9.8	9.85	9.75 05 05	0.54
15	9.9	9.90	9.9	10.0	9.95 05 05	0.69

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Saturday, July 6, 1918

Scale m

MC 14938 α_2 11 40 +76.5

	Sc 1		Sc 2	Cu magn		
301	4.8 5.0	5.00	5.0	4.99	9.99	301
302	5.3 5.5	5.40	5.3	4.90	10.30	302
303	5.9 6.1	6.00	5.9	4.75	10.75	
304	5.7 5.8 6	5.75	5.7	4.82	10.57	
305	6.0 6.2	6.25	6.3	4.69	10.94	
306	6.8 7.0	6.90	6.8	4.50	11.40	
307	6.7 6.9	6.80	6.7	4.53	11.33	301
308	6.8 7.0	7.05	7.1	4.47	11.52	302
309			7.3	4.37	11.67	303
310			7.9	4.17	12.09	
311			8.8	4.06	12.86	
312			9.4	4.15	13.55	
313			9.9	4.28	14.18	
314			9.9	4.28	14.18	
315			m.s			

	Sc 1	P.C.	Sc 2		
			9.8	-0.20	9.60
			10.0	-0.15	9.85

Diff.

	g		h		
301	9.1	9.15	9.2	0.66	9.81
302	9.7	9.75	9.8	0.63	10.38
303	~~7.5~~ 10.0	10.00	10.0	0.63	10.63

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Scale M.

MC 14939 a_2 11 40 +73.5

	Sc 1	Sc 2				Sc 1 P.C. magn	Cor	Sc 2	g	Diff. magn	Cor	h
401	~~2.9~~ 4.1				#	8.15	-.15	8.3	7.4	7.30	0.99	8.29
402	3.9			5.18	9,24	8.92	-0.28	9,2	8.2	8.25	0.75	9.00
403	4.4 4.2			5.13	9,50	9.48	-0.22	9.7	8.7	8.60	0.70	9.30
404	5.5 5.3			4.97	10,37	9.13	-0.17	9.9	9.2	9.30	0.65	9.95
405	5.9 5.7			4.84	10,67				9.4	9.45	0.64	10.09
406	6.1 5.9			4.73	10,83				9.87	9.80	0.63	10.43
407	6.6 6.4			4.57	11,17				9.9	9.95	0.63	10.58
408	7.1 6.9	7.00	6.9	4.46	11.46							10.0
409	7.4 7.2	7.30	7.2	4.36	11,66							
410			7.6	4.29	11,89							
411			8.0	4.16	12,16							
412			8.5	4.10	12,60							
413			8.9	4.06	12,96							
414			9.4	4.15	13.55							
415			9.7	4.22	13.92							
416			#9.9	4.27	14.17							
417			10.0	4.30	14.30							

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Scalum.

MC 14940 Oe 2 12 21 50 +76.5

	Sc 1	Sc 2	Cu magn		P. C. Sc 1	Sc 2		Diff	Cu magn	
201	3.2 3.0		5.20	8.40		8.7 −0.27	8.43	8 7.6	7.60 0.90	7.6 8.50
201a	4.0 3.8		5.15	9.15		9.5 −0.26	9.24	8.3	8.35 1.0 0.72	8.4 9.07
202	3.9 3.7		5.16	9.06		9.7 −0.22	9.48	8.4	8.05 0.76	8.1 8.83
203	4.3 4.1		5.12	9.42		9.8 −0.20	9.60	8.8	8.75 0.68	8.7 9.43
204	4.4 4.2		5.10	9.50		9.6 −0.23	9.37	8.7	8.70 0.70	8.7 9.40
205	5.5 5.3		4.88	10.38		9.8 −0.20	9.60	9.3	9.40 0.64	9.5 10.04
206	5.8 5.6	5.80	5.8	4.80	10.60	9.9 −0.17	9.73	9.9	9.85 0.63	9.8 10.48
207	6.1 5.9	6.00	5.9	4.75	10.75					
208			6.2	4.69	10.89					
209			6.7	4.56	11.26					
210			6.7	4.56	11.26					
211			6.8	4.53	11.33					
212			8.2	4.13	12.33					
212a			8.54	4.10	12.50					
213			8.7	4.06	12.76					
213a			9.1	4.17	13.27					
214			9.6	4.20	13.80					
214a			9.8	4.26	14.06					
215			9.8	4.26	14.06					
215a			9.9	4.27	14.17					
216			10.0	4.30	14.30					

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Scale 7M

MC 14941 a 2 12 22 30 +73.5 Cw magn

	Sc 1		Sc 2	P.C. Sc 1	Sc 2	Diff 1.17	
101	B				8.1 -0.04	8.06	6.4 6.6 6.6 6.5 6.8
102	3.5 3.3			5.18	9.3 -0.27	9.03	8.3 8.25 1° 0.75 9.00 8.2
103	3.6 3.4			5.18	9.6 -0.23	9.37	8.3 8.35 1° 0.72 9.07 8.4
104	3.2 3.0			5.20	8.7 -0.26	8.44	7.7 7.70 0° 0.87 8.57 7.7
105	4.5 4.3			5.09	9.9 -0.16	9.74	9.4 9.30 1½ 0.64 9.94 9.2
106	4.6 4.4	4.70 11	4.8	5.06	9.76		9.6 9.55 1½ 0.63 10.18 9.5
107	6.2 6.0	6.10 1½	6.0	4.73	10.83		
108	6.1 5.9	6.00 1½	5.9	4.74	10.74		
109	6.3 6.1	6.30 00	6.3	4.67	10.97		
110	6.3 6.1	6.35 1°	6.4	4.65	11.00		
111	6.9 6.7	6.90 00	6.8	4.50	11.40		
112			7.6	4.28	11.88		
113			8.6	4.07	12.67		
114			8.7	4.06	12.76		
115			9.3	4.12	13.42		
116			9.5	4.17	13.67		
117			10.0	4.30	14.30		

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Scale M

MC 14942 a2 12 01 +75.0

	Sc 1	Sc 2	P.C. Sc 1	P.C. Sc 2	Diff. Sc 1	Diff. Sc 2	Diff. Sc 1+2
1	B =		6.1	6.3 6.25 6.2	5.4	5.6 5.60	5.5
2	1.9 2.1		6.8	7.0 6.95 6.9	5.8	6.0 5.95 6.0	6.1
3	2.3 2.5			7.2	5.8	5.9 5.95 6.0 5.8	5.9
4	Off plate			Off		Off	
5	2.8 3.0			8.0	6.3	6.5 6.4 6.52 6.7 6.5	6.5
6	Off plate			Off		Off	
6a	2.8 3.0			8.3		7.1 7.05 7.0	
7a	2.9 3.1			8.7		7.7 7.75 7.8	
8a	3.6 3.8			9.1		8.2 8.15 8.1	
8b	3.7 3.9			9.4		8.3 8.40 8.5	
9	3.5 3.7			9.6		8.3 8.40 8.5	
10	3.9 4.1			9.7		8.4 8.50 8.6	
11	4.8 5.0			10.0		8.9 8.95 9.0	
12	5.0 5.2					9.2 9.30 9.4	
13	5.2 5.4					9.8 9.75 9.7	
14	5.2 5.4					9.8 9.85 9.9	
15	6.0 6.2	6.05 5.9				10.0 10.0	
15a	7.0 7.2	7.25 7.3					
16	5.9 6.1	6.00 5.9					
17	6.1 6.3	6.30 6.3					
17a	6.9 7.1	7.05 7.0					
18		7.2					
19		7.5					
20		7.5					
21		7.8					
21a		8.1					
21b		8.6					

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1912phae.proj..917H

Saturday, July 6, 1918

Copied p. 92

Scale M

MC 14942 a2 12 01 +75.0

P.C.

	Sc 1	Sc 2
22a		8.7
23		9.0
24		9.5
25		9.6
25a		9.5
25b		9.8
26		9.8

1 : 25

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1912phae.proj..917H

100

YELLOW

Wednesday, July 10, 1918

Series 924

Scale Y

Near Sect Sob

MC 14878 17 01 ±0.0

9:15

	Sc 1	Sc 2	Diff.	P.C.	Diff.	g Diff h
1	13					
	1.5 2.0					
2	1.28		4.37	8.2 8.2	−1.93	6.7 6.7 6.85 6.7 6.9
2a	3.1		4.58	9.2 9.2	−2.42	7.9 7.85 7.8
3	3.0		4.36	10.0 10.0	−2.54	9.7 9.65 9.6
	4.43					
4	4.2		4.10			Diff. +.03
	4.21					
5	4.03		4.09			−.058
	6.9					
6	6.2 8	6.40	6.4 2.92			−1.07
	6.9					
7	6.7	6.40	6.9 2.81			−2.19
8		8.1	7.9 2.20			
9		8.3	8.2 2.06			
10		8.3	8.2 2.05			
11		7.2	7.2 2.61			
12		9.8	9.9 1.31			
12a		9.5	9.6 1.52			
13		8.9	9.1 1.80			
14		7.	.			
14a		7	.			
14b		10.0	0.50			
15		9.7				
16						
17						

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1912phae.proj...917H

Wednesday, July 10, 1918

YELLOW

Scale V

Near Scult. Sob.

MC 14879 16 55 05 +1.5

	Sc 1	Sc 2	P. C.	Diff g	Diff h
	4.2				
301	4.1			~~9.3~~	~~9.4~~
	3.1				
302	3.0			9.3	9.5
	4.4				
303	4.3				
	5.9				
303a	5.8				
	6.2				
303b	6.1	6.2			
	6.8				
304	6.7	6.9			
305		8.0			
306	~~8.9~~	8.7 8.9			
307	9.8	9.9 9.8			
308					
δ		n.s.			

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1912phae.proj..917H

YELLOW

Wednesday, July 10, 1918

Scale Y

Near Scut Sob.

MC 14880 16 54 45 -1.5

	Sc 1	Sc 2	P.C.	Diff g	Diff h
α		M.S.		~~9.2~~	~~9.4~~
401	3.0 2.9			9.2	9.30 +1 9.4
402	4.1 4.0			9.8	9.80 +1 10.0
403	6.4 6.3				
404	6.2 6.1	6.15 0 1	6.1		
405	7.0 6.9	7.00 0 0	7.0		
406	6.6 6.5	6.65 0 1	6.7		
407	6.7 6.6	6.80 -1 1	6.9		
408		8.90 0 0 8.9	8.9		
409		8.70 0 0 8.7	8.7		
410					

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1912phae.proj...917H

Wednesday, July 10, 1918

YELLOW

Scale V

Near Scut. Sob.
17 06 45 +1.5
P.C. Diff.

MC 14881

	Sc 1	Sc 2	
V			M.S.
201	4.9 4.8		
202	6.0 5.9 5.9		
203	~~5.8~~ 5.8		
204	5.5 5.5		
205	6.9 6.8	6.90	6.9
206	5.8 5.7	5.80	5.8
207			8.8
		9.70	
208		9.8	9.6
209			

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1912phae.proj..917H

Wednesday, July 10, 1918

YELLOW

Near Scuti Sub.

Scale V MC 14882 17 07 05 -1.5

	Sc1		Sc2	P.C.	Diff
B			7		
101	3.5 3.4				
102	5.1 5.0				
103	5.2 5.1	5.20 00	5.2		
104	5.7 5.6	5.70 00	5.7		
105	6.6 6.5	6.60 00	6.6		
106	5.9 5.8	5.80 11	5.7		
107	6.6 6.5	6.65 01	6.7		
108			8.3		
109			8.8		
110	7.0 6.9	7.15 21	7.3		
111			8.4		
112			9.3		
113			f.		
11:45 114			9.8		

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1912phae.proj...917H

Thursday, July 11, 1918

Scalem

MC 14861

12:55		Sc 1	Sc 2	Diff.
	1	B		
		1.7		
	2	1.5		4.93
		1.9		
	2a	1.7		4.87
		2.6		
	3	2.4		4.92
		3.2		
	4	3.0		5.24
		3.6		
	5	3.4		5.18
		4.2		
	6	4.0		5.13
		5.1		
	7	4.9		4.76
		5.9		
	8	5.7		4.64
		6.0		
	9	5.8		4.64
		6.1		
	10	5.9	6.05 1°	6.0 4.69
		6.4		
	11	6.2	6.30 11	6.2 4.60
		6.9		
	12	6.7	6.90 00	6.9 4.44
	12a			8.3 4.40
	13			7.7 4.36
	14			8.2 4.38
	14a			7.8 4.32
	14b			8.6 4.20
	15			8.7 4.18
	16			9.1 4.45
	16a			8.8 4.50
			9.35 1°	
	17		9.3 9.4	4.51
			9.15 01	
	17a		9.2 9.1	4.30
			9.25 01	
	17b		9.2 9.3	4.32
	17c		f	

P.C. 17 01 50 ±0.0

Sc 1	Sc 2	P.C. Diff.	Diffv. Diff	Sc 1	Sc 2	Sc 1½	Sc 2
5.1				4.4			
4.9	5.00 11	4.9 1.02	1.72	4.2	4.30 11	4.1	4.0
6.0				5.1	5.20 11	10.0	5.05 00
5.8	5.90 11	5.8 0.73	1.53	4.9	5.8	5.10	4.8 5.0
6.2				5.5	5.55 10	05 05	5.8 5.65 22 5
6.0	6.10 11	6.0 0.67	1.17	5.3	5.6	5.60	5.6 5.7
				7.0	6.90 11	05 07	6.86 6.75 01 7
		7.4 0.12	0.70	6.8	6.8	6.82	6.6 6.5
		8.6 -0.16	0.74		7.7	7.70 00	7.7
		8.9 -0.12	0.68		8.1	8.10 00	8.1
		9.7 -0.37	0.58		8.7	8.75 10	8.8
			0.21		9.6	9.65 01	9.7
			0.64		9.8	9.90 11	10.0

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1912phae.proj..917H

Thursday
~~Wednesday~~, July 11, 1918

Scale M

MC 14861 17 01 50 ±0.0

P. C.

	Sc 1		Sc 2	Curve	Magn.	Sc 1	Sc 2	Curve	Magn.	Sc 1 g Sc 2	Diff. Sc 1 h Sc 2
β			8.5	4.32 ~~5.12~~	12.82						
	3.2									7.1	
101	3.0			5.12	8.32		8.3 -0.05		8.25	6.9	7.15 10 7.2
	3.9										
102	3.7			5.13	9.03		8.9 -0.20		8.70	8.1	8.00 11 7.9
	4.1										
103	3.9			5.10	9.20		9.4 -0.30		9.10	8.5	8.55 10 nearedge 8.6
	4.5										
104	4.3			5.03	9.53		10.0			8.9	8.90 11 8.9
	6.0										
105	5.8			4.63	10.63					9.6	9.55 01 9.5
	6.1										
106	5.9			4.60	10.70					9.8	9.85 01 9.9
	6.0										
107	5.8			4.63	10.63						
	6.1										
108	5.9	6.00 11	5.9	4.63	10.63						
	6.4										
109	6.2	6.50 01	6.6	4.53	11.03						
110			6.7	4.49	11.19						
111			7.6	4.37	11.97						
112			8.3	4.32	12.62						
113			8.6	4.32	12.92						
114			8.8	4.34	13.14						
115			9.4	4.40	13.80						
116			9.7								
117			9.8								

Diff. Curve Magn.

101	0.72	7.87
102	0.60	8.60
103	0.53	9.08
104	0.50	9.40
105	0.43	9.98
106	0.39	10.24

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Thursday,
~~Wednesday~~, July 11, 1918

Scale M.

MC 14861

	Sc 1		Sc 2	Curr	Magn.
			8.7	4.32	13.02
	4.0				
201	3.8			5.12	9.12
	4.3				
202	4.1			5.07	9.37
	5.6				
203	5.4			4.74	10.34
	5.5				
204	5.3	5.45^{10}	5.4	4.79	10.24
	5.4				
205	5.2	5.45^{01}	5.5	4.79	10.24
	5.12				
206	5.0	5.30^{11}	5.4	4.83	10.13
	6.5				
207	6.3	6.45^{10}	6.4	4.54	10.99
	6.9				
208	6.7	6.90^{00}	6.9	4.45	11.35
209			7.2	4.40	11.60
210			7.9	4.34	12.24
211			~~7.9~~ 8.2	4.33	12.53
212			8.6	4.33	12.93
213			9.0	4.36	13.36
214			9.5	4.41	13.91
215			9.8		
216			9.9		
217			m.a.		

P.C. 17 01 50 ±0.0

	P.C. Curr.	P.C. Magn.	Diff. Sc 1	Diff. Sc 2	Diff. Curr	Diff. Magn.	g Sc 1	g Sc 2	h Sc 1	h Sc 2
201	-0.23	8.87	9.1	0.60	8.65		8.0	8.05^{01}		8.1
202	-0.32	9.18	9.5	0.54	8.99		8.4	8.45^{01}		8.5
203			~~10.0~~	0.39	10.24		9.9	9.85^{10}		9.8

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1912phae.proj..917H

Thursday, July 11, 1918

Scale M

MC 14861 17 01 50 ± 0.0

	Sc 1	Sc 2	Curr	Magn.	P.C. Curr	P.C. Magn.	Diff. Sc 2	Diff. Magn.	Sc 2	Sc 1	Sc 2
δ			7.5	4.37	11.87						
301	B						9.2	-0.25	8.95	0.55	9.00
302	3.9 3.7			5.12	9.02		8.9	-0.20	8.70	0.61	8.61
303	4.5 4.3			5.03	9.53		9.9	-0.40	9.50	0.50	9.40
~~303a~~ ~~303b~~	5.1										
304	4.9			4.89	9.99					0.39	10.19
305	5.9 5.7	5.90 00	5.9	4.66	10.56						
306	5.9 5.7	5.85 10	5.8	4.68	10.53						
307	6.9 6.7	6.85 10	6.8	4.47	11.32						
308			7.56	4.37	11.97						
309			8.7	4.33	13.03						
310			9.1	4.37	13.47						
311			9.5	4.41	13.91						
312			9.9								
313			7								
314											
303a	4.0			5.12	9.12		9.6	-0.35	9.25	0.52	9.22
303b	5.0			493	9.93					0.38	10.23

	Diff. Magn.	Sc 2	Sc 1	Sc 2
301	8.45 01	8.4		8.5
302	8.00 00	8.0		8.0
303	8.90 11	8.8		9.0
304	9.80 00	9.8		9.8
303a	8.70 00	8.7		8.7
303b	9.85 01	9.8		9.9

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Thursday, July 11, 1918

Scale M

MC 14861 17 01 50 ±0.0

	Sc 1	Sc 2	Curve	Magn.	P.C. Sc 1	P.C. Curve	P.C. Sc 2	Diff. Curve	Diff. Magn.	g Sc 1	g Sc 2	h Sc 1	h Sc 2
2		8.7	4.33	13.03						~~6.4~~		6.6	
401	3.0 2.8		5.10	8.10	0.09	7.89	7.8	0.81	7.56 ~~8.61~~	6.6 6.4	6.70	6.8 6.6	
402	3.3 3.1		5.12	8.42	-0.15	8.55	8.7	·	·		T.P.		T.P.
403	4.6 4.4		5.01	9.61	-0.40	9.50	9.9	0.41	10.11		9.7 9.70		9.7
404	off plate												
405	5.0 4.8		4.92	9.92							F		F
406	5.2 5.0		4.87	10.07									
407	5.7 5.5	5.53 12	5.4	4.75	10.30								
408	6.1 5.9	6.05 10	6.0	4.61	10.66								
409	7.2 7.0	7.10 11	7.0	4.41	11.51								
410			7.5	4.38	11.88								
411			7.9	4.33	12.23								
412			8.3	4.32	12.62								
413			9.3	4.39	13.69								
414			9.6	·	·								
415			9.8	·									
416			9.8	·									
417			7										

3:15

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1912phae.proj..917H

YELLOW

Friday, July 12, 1918

Scale M

Cirital and four comes sequences. Begin for a 2

MC 14872 12 01 10 +75.0

1:35

	Sc 1	Sc 2	Sc	P.C. Sc 2	Diff.	g	Diff	h Diff.
1	B =			8.5	-1.76 ~~-1.51~~	7.3	1.40	-0.66 7.5
2	B =			9.5	-2.74 ~~-3.24~~	8.0	8.00	-1.24 8.0
3	B =			8.5	1.98 ~~-1.06~~	7.7	7.65	1.13 7.6
4	off plate	Diff.		off plate				
5	3.2 3.0	4.22		9.6	-2.18 ~~-0.56~~	9.6	9.55	-2.13 9.5
6	off Plate			off plate				
6a	4.1 3.9			9.8		9.7	9.70	9.7
7a	3.9 3.7	3.59 ~~4.66~~		9.9	-2.41	9.0	9.00	-1.51 9.0
8a	5.2 5.0	3.29 ~~4.9 3.68~~				9.9	9.90	-1.41 9.9
8b	5.6 5.6	2.96 ~~3.36~~						
9	5.3 5.1	3.36 ~~3.85~~						
10	5.8 5.6 5.75	5.7 3.05 ~~3.49~~						
11	6.3 6.1 6.20	6.1 3.03 ~~3.68~~						
12	7.0 6.8 6.95	6.9 2.65 ~~2.97~~						
13	6.1 5.9 6.05	6.0 3.05 ~~4.24~~						
14		7.7 2.18 ~~2.69~~						
15		7.8 2.28 ~~2.84~~						
15a		8.6 1.82						
16		7.8 ~~2.21 2.95~~						
17		7.2 2.68 ~~3.62~~						
		9.70 1.57						
17a		9.7 9.7 1.82						
18		9.85 1.77 9.8 9.9 ~~1.83~~						
19		f. f. 9.85 1.43						
20		9.8 9.9 ~~1.96~~						
21		f f 9.75 1.49						
21a		9.7 9.8 ~~2.35~~						
21b		9.95 1.79 9.9 10.0 ~~2.63~~						
22								

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1912phae.proj...917H

Friday, July 12, 1918 YELLOW

Scale M

MC 14872 12 01 P.E. 10 +75.0

	Sc 1	Sc 2	Curr	Magn.
	3.2			
101	3.0		4.05	7.25
102	5.8 5.6 5.75 01	5.7	3.07	8.82
103	4.6 4.4 4.55 01	4.5	3.51	8.06
104	4.1 3.9 4.05 10	4.0	3.61	7.66
105		7.2	2.48	9.68
106		7.2	2.48	9.68
107		7.8	2.11	9.91
108		8.1	1.79	10.59
109		8.7	1.83	10.53
110		8.8	1.79	10.59
111		8.6	1.88	10.48
112		9.4	1.64	11.04
113		9.9	1.60	11.50

g h

Diff. magn. Curr

7.21 - 2.69 9.9 f

W.s. 8.4 ~~8.5~~

7.92 - 2.58 9.5 9.50 00 9.5

W.s. ~~9.8~~ ~~9.8~~

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1912phae.proj..917H

YELLOW

Friday, July 12, 1918

Salem

MC 14892 12 01 10 P.C. +75.0

	Scl	Scl	Curve	Magn.	g	Diff.	h
201	5.1 4.9 5.4		3.31	8.41			
201a	5.2 4.1		3.20	8.60			
202	3.9		3.59	7.69			
203	6.2 6.0	6.15 01	6.1	2.92	9.07		
204	6.1 5.9 7.0	5.95 12	5.8	3.00	8.95		
205	6.8	6.95 01	6.9	2.60	9.55		
206			7.4	2.39	9.79		
207			7.3	2.45	9.75		
208			7.8	2.21	10.01		
209			8.9	1.76	10.66		
210			7.8	2.21	10.01		
~~209 52~~ 211			8.3	1.99	10.29		
212		f					
213							
214							
215		~~f 10.02~~					

Curve

6.83 -2.52 9.49 9.35 01 9.3

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1912phae.proj..0117H

Friday, July 12, 1918

YELLOW

Scale M.

MC14872 12 01 10 +75.0

	Sc1	Sc2	Curv	Magn.
	6.9			
301	6.7 6.90	6.9	2.63	9.53
302		7.2	2.49	9.69
303		7.3	2.45	9.75
304		7.5	2.35	9.85
305		8.7	1.81	10.51
306		8.4	1.95	10.35
307		8.1	2.07	10.17
308		8.8	1.79	10.59
309		8.5	1.91 1.82	10.41
310		8.7	1.83	10.53

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YELLOW

Friday, July 12, 1918

Scalem

MC 14872 12 01 10 +75.0

	Sc1	Sc2	Curve	Magn.	P. C	Curve	Magn.	Diffr. mg. Curve	g	h
401	B				9.4	-1.75	7.65	6.40	-1.95	8.35
402	6.6 6.4 5.2	6.50	6.4	2.79	9.29					
403	5.0	5.20	5.2	3.29	8.49					
404			7.0	2.59	9.59					
405			8.0	2.10	10.10					
406			7.0	2.58	9.58					
407			7.9	2.15	10.05					
408			8.8	1.80	10.60					
409			8.7	1.83	10.53					
410		Scratched near region								
411			9.7	1.60	11.30					

3:05

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1912phae.proj..917H

Wednesday, July 17, 1918

Rich Sect.

Scale V MC 14867

		Sc 1	Sc 2	Diff.
10;40	1	B		.
	2	B		.
	2a	3.6		4.53
	3	3.8		4.01
	4	3.9		4.36
	5	4.9		3.83
	6	5.0		4.13
	7	5.6		3.77
	7a	6.3		3.41
	7b	6.7		3.50
	8	5.9	5.9	3.62
	9	6.4	6.3	3.45
	10	6.9	7.1	3.52
	11		7.4	3.18
	12		7.5	3.27
	13		7.7	3.38
	14		8.4	3.11
	15		8.4	3.24
	16		8.9	3.22
	17		9.3	2.87
	18		9.5	3.03
	19		9.9	2.87
	27b		9.2	.
	20?		7.2	.
	20?a		8.3	.

18 46 −8.0

P.C. Sc 1	Sc 2	Diff.
6.8	6.6	−0.44
7.4	8.0	−0.23
	9.6	−1.37
	9.3	−1.39
	9.6	−1.24
	9.9	−1.07

Diff. Sc 1	Sc 2	Diff.
4.9	5.05	1.11
6.8	7.00	−0.23
8.8	8.75	−0.58
8.3	8.40	−0.49
8.7	8.75	−0.39
9.3	9.35	−0.52
9.6	9.6	−0.37
9.7		−0.23

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Wednesday, July 17, 1918

Scale V

MC 14867 18 46 −8.0

	Sc1	Sc2	Curve	magn.	P.C.	Sc1	Sc2	Curve	magn.	Diff.	Sc1	Sc2	Curve	Magn.
101	B		·	·			7.4	−0.90	6.50	6.4 6.5	6.55	6.5 6.6	0.06	6.61
102	B		·	·			8.7	−1.30	7.40	7.2	7.30	1	−0.28	7.4 7.02
103	4.1 4.0		4.38	8.48			9.8	−1.23	8.57	8.8	8.80	0	−0.47	8.8 8.33
104	5.0 4.9		4.01	9.01			10.0	−1.19	e 8.81	9.8	9.85	1	−0.30	e 9.9 9.55
104a	6.0 5.9		3.68	9.68										
104b	6.7 6.6	6.70 00	6.7	3.47	10.17									
105	6.3 6.2	6.20 11	6.1	3.60	9.80									
105a	6.3 6.2	6.20 11	6.1	3.60	9.80									
106			7.5	3.30	10.80									
107			8.4	3.15	11.55									
108			8.7	3.10	11.80									
109			9.4	2.99	12.39									
110		9.60 01 9.6	9.7	2.95	12.55									
111		9.95 04 10.0	9.9	2.90	12.85									

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Scale V

MC 14867

18 46 −8.0

	Sc1	Sc2	Curve	magn.
401	4.5 4.4		4.21	8.71
402	5.4 5.3		3.88	9.28
403	T.P.		~~7.8~~	.
404	5.9 5.8	5.85[10]	5.8 3.72	9.57
405			7.0 3.40	10.40
406			7.7 3.26	10.96
407			8.2 3.19	11.39
408	wrong star measured		~~6.7 3.47~~	~~10.17~~
409			9.2 3.01	12.21
410			9.6 2.95	12.55

	P.C.	Curve	magn.	g	Diff curve	magn.
Sc1	Sc2			Sc1	Sc2	Sc1
	9.8	−1.23	8.57	9.49	9.45[01] −0.40	9.05 9.5
				9.99	9.95[10]	10.0
				9.99	9.95[10]	10.0

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Scale V

MC 14867 18 46 -8.0

	Sc1		Sc2	Curve	Magn.	P.C.	Curve	Magn.	q	Diff.	h	Curve	Magn.
301	~~3~~			.	.		7.5	-0.94	6.56	6.4 6.3	6.40[00]	6.4 6.3	-0.33 6.07
301a	4.1 4.0			4.38	8.48		9.8	-1.23	8.57	8.9	8.95[10]	-0.46	9.0 8.49
301b	4.7 4.6			4.12	8.82		9.6	-1.25	8.35	9.2	9.20[00]	-0.44	9.2 8.76
301c	5.5 5.4			3.84	9.34		10.0	-1.19	8.81	10.0	10.00[00]		10.0
302	4.1 4.0			4.38	8.48		9.9	-1.20 Poor	8.70	9.0	9.00[00]	-0.45	9.0 8.55
303	~~3.1~~ ~~4.0~~			4.42	8.42		9.7	-1.24	8.46	8.5	8.60[11]	-0.48	8.7 8.12
303a	4.8 4.7			4.09	8.89		~~9.9~~			9.6	9.70[11]	-0.35	9.8 9.35
304	5.4 5.3			3.88	9.28								
305	5.9 5.8			3.70	9.60								
306	6.6 6.5	6.65[01]	6.7	3.48	10.13								
306a	6.7 6.6	6.65[10]	6.6	3.48	10.13								
307	7.0 6.9	7.00[00]	7.0	3.40	10.40								
308	~~7.7~~		7.4	3.32	10.72								
309			7.7	3.27	10.97								
309a			8.4	3.15	11.55								
310			~~8.8~~	3.08	11.88								
311		9.95[01]	9.0 8.9	3.05	12.00								
312		9.40[11]	9.5 9.3	2.99	12.39								
313		9.85[01]	9.8 9.9	2.92	12.77								
314			f f										

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Wednesday, July 17, 1918

Scale V

M C 14867

	Sc 1	Sc 2	Curve	magn.
201	B		·	·
201a	B		·	·
202	B		·	·
202a	3.8 3.7		4.50	8.30
203	4.1 4.0		4.38	8.48
203a	5.4 5.3		3.88	9.28
204	5.4 5.3		3.88	9.28
205	5.6 5.7		3.74	9.54
206	6.8 6.7	6.80	3.45	10.25
207	6.9 6.8	6.85	3.44	10.29
208			3.29	10.89
208a			3.50	10.10
208b			3.00	12.30
208c			3.00	12.40
209			3.10	11.80
210			3.06	11.96
211			3.00	12.30
212	9.8	9.7	2.95	12.65
213			2.89	12.89

18 46 −8.0

P.C

	Sc 1	Sc 2	Curve	magn.
201		6.6	−0.50	6.10
201a		7.9	−1.10	6.80
202		8.5	−1.28	7.22
202a		9.5	−1.28	8.22
203		9.7	−1.24	8.46

Diff. in Sc 2

Sc 1	Sc 2	Sc 1
5.0 4.9	5.05	5.1 5.0
6.9 6.8	6.95	7.0 6.9
	7.6 7.65	7.7
	8.7 8.75	8.8
	8.9 8.95	9.0

	Diff. Curve	magn.
201	5.05 1.10	6.15
201a	6.95 −0.15	6.80
202	7.65 −0.35	7.30
202a	8.75 −0.48	8.27
203	8.95 −0.46	8.49

1; 15

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YELLOW

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Central and 4 Green Sequences. Box Region South. SSS.

Scale M

MC 14931 18 50 −2.5

		Sc 1	Sc 2	diff.	P.C. Sc 1	P.C. Sc 2	g	diff.	h
1:15	1	B =			9.7		7.8	7.85 01	7.9
	2	B =			9.5		7.8	7.80 00	7.8
	3	3.4 3.2		3.22			9.1	9.15 10	9.2
	4	4.4 4.2		3.33					
	5	5.2 5.0		2.80					
	6	5.6 5.4		2.70					
	7	5.9 ~~6.0~~ 6.0	6.05 10	6.0 2.60					
	8	5.8		2.39					
	9	7.0 6.8	6.95 01	6.9 2.17					
	10			7.0 2.07					
	11	6.6 6.4	6.50 11	6.4 2.43					
	12			8.6 1.11					
	13			8.9 1.26					
	14			9.5 0.79					
	15								
	16								
	17								
	18								
	19								
	2								

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YELLOW

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Scale M

MC 14931 18 50 −2.5 P.C.

	Sc 1	Sc 2			g	h
401		Off plate	Curve.	Magn.		
402	B = 6:1				9, 39.25	9.2
402a	5.9		2.55	8.65		
403		7.6	1.88	9.48		
403a		7.9	1.73	9.63		
404		8.6	1.37	9.97		
404a		8.9	1.19	10.09		
405		9.9	.	.		
406		9.6	0.74	10.34		
407		f	.			
408		f	.			

Diff. almost sup. on star

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122 YELLOW

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Scale M

MC 14931 18 50 −2.5 p.c. Diff.

	Sc 1	Sc 2	Curve	Magn.
301	4.3 / 4.1		3.14	7.44
302	5.8 / 5.6		2.67	8.47
302a	6.6 / 6.4		2.34	8.94
302b	6.9 / 6.7		2.20	9.10
302c	7.2 / 7.0		2.07	9.27
303	5.4 / 5.2		2.80	8.20
304		8.1	1.63	9.73
305		7.7	1.83	9.53
306		8.9	1.18	10.08
307		8.0	1.68	9.68
308		8.9 ~~9.1~~	1.18	10.08
308a		9.6 9.6000	9.60 0.75	10.35
309		↓	10.1	
310		↓	↓	

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YELLOW

Scale M

MC 14931 18 50 −2.5

	Sc 1	Sc 2	Curv	Magn.	P.C.	Diff. g	h
	3.8						
201	3.6		3.28	7.08			
	5.0						
202	4.8		2.93	7.93			
	5.2						
203	5.0		2.87	8.07			
204	Film injured						
205		7.7	1.83	9.53			
205a		8.2	1.59	9.79			
	5.7						
206	5.5		2.70	8.40			
	5.8						
206a	5.6		2.67	8.47			
	6.2						
206b	6.0		2.51	8.71			
207		8.7	1.30	10.00			
208		9.6	0.75	10.35			
209		10.0	-				

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Friday, July 26, 1918

YELLOW

Scale M

MC 14931 18 50 P.C. −2.5

	Sc 1	Sc 2	Curr	Magn.		Diff	g_{Sc2}	h_{Sc2}
101	B				8.3		6.9	7.0
102	B				8.3		6.8	6.9
102a	6.7					6.95-10		
103	6.5			2.29	8.99	6.85-01		
104	7.2 7.0	7.25-01	7.3	2.05	9.30			
105			7.6	1.89	9.49			
106			8.2	1.59	9.79			
107			8.5	1.42	9.92			
2:45 108			9.4	0.86	10.26			

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Magns. of Comp. Stars for TT Herculis

a	9.51	9.5
b	9.94	9.9
c	10.34	10.3
d	10.46	10.5
e	11.08	11.1
f	11.31	11.3
g	11.74	11.7
h	11.90	11.9
K	12.12	12.1
l	12.10	12.1
m	12.38	12.4
n	12.48	12.5
o	12.68	12.7
p	12.98	13.0
q	13.43	13.4
r	13.66	13.7
s	13.84	13.8
t	14.37	14.4

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