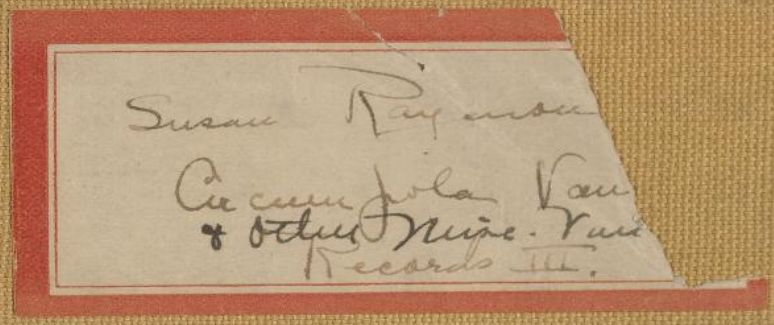
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Friday. June 23, 1916

Measures of Circumpolar Variables T Cephei

Plate No-	Magn-	Remarks
AC 10633	7.8	
AC 16796	9.0	
AC 13503	8.7	
AC 13310	7.6	Images elongated
AC 6783	10.4	" "
AC 488	8.6	
AC 12538	7.8	

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Saturday, June 24, 1916

Measures of Circumpolar Variables. 1 Cepheii

Plate No.	Magn.	Remarks
AC14732	8.9	
AC12425	8.6	
AC898	7NS 10.8	
AC3668	9.0	
AC7673	9.0	
AC955	10.6	∓
AC6980	Plate too black.	
AC2993	9.7	Image seems defective.
AC7937	10.3	
AC10066	10.1	
AC14178	8.7	
AC17237	8.5	
AC10857	9.0	
AC8915	10.1	
AC8922	10.1	
AC10903	9.1	
AC9185	10.4	
AC9090	10.3	Images very poor.
AC10947	9.1	
AC9641	7.7	
AC8930	10.0	
AC5278	10.3	
AC5265	10.6	
AC5260	10.4	Images poor
AC5214	10.2	
AC8949	10.0	
AC11012	9.9	
AC9091	10.2	

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1916phae.proj.1160R

Saturday, June 24, 1916

Measures of Circumpolar Variables - T Cephei

Plate No.	Mags.	Remarks
AC 10423	7.9	Long trails
AC 8979	10.1	
AC 10978	9.7	
AC 13888	10.9	
AC 10784	8.2	
AC 13947	10.4	
AC 11032	9.9	
AC 6463	8.5	
" 10845	8.9	
" 5382	10.8	
" 4412	9.0	
" 4919	8.2	
" 8014	10.5	
" 4974	8.3	
" 14091	9.2	
" 5070	9.1	
" 10966	9.4	
" 15912	8.0	
" 14460	7.1	
" 6884	10.6	
~~" 14138~~		
" 2766	11.1	Star at left of variable > variable - in ST. line with h & m. Vtah from V.
AC 16322	9.4	Very hard - in rays of 3 stars.
" 3810		Plate too poor
" 3028	9.1	
" 9658	8.9	
" 3828	10.3	

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Saturday, June 24, 1916

Measures of Circumpolar Variables — T Cafferi

Plate No.	Magn.	Remarks.
AC 15436	8.9	
AC 3845	Plate too poor	
~~553~~		

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Saturday, June 24, 1916

Measures of Circumpolar Variables - T. Cyfleri

Plate No.	Magn.	Remarks
AC 353	ns < 10.5	
" 13128	9.7	
" 16653	9.1	
" 398	9.4	
" 12416	8.9	
" 481	8.7	
" 15771	7.9	
" 4549	8.3	
" 3895	11.0	Very diffused. Images not well formed
" 2055	—	Plate too poor.
" 4152	—	Long trails - impossible to measure.
" 2199	7.9	
" 2703	ns < 9.8	
" 2092	8.3	
" 2744	11.2	
" 2218	7.7	
" 1869	9.1	
" 2732	ns < 10.4	
" 2746	11.0	Poor images
" 2765	—	too near edge
" 6780	10.3	very " "
" 3805	—	too near edge
" 11671	—	" " "
" 3647	—	plate too poor
" 10801	—	" " "
" 3887	—	E
" 11044	—	E
" 3488	—	E

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Saturday, June 24, 1916

Measures of Circumpolar Variables – Tc Ori

Plate No.	Magn.	Remarks.
AC 10760	—	E
AC 3504	—	F
AC 10777	—	E
AC 6814	10.6	E
AC 11735	—	E
AC 10744	—	E
AC 8029	—	E
AC 11610	—	E
AC 11049	—	E
AC 8315	—	E
AC 10921	—	E
AC 5229	10.3	
AC 9732	—	E
AC 5253	10.3	
AC 10810	—	F
AC 5373	10.6	?
AC 16417	—	E
AC 5019	8.6	
AC 11827	—	E
AC 5061	—	F
AC 11945	—	E
AC 16871	—	E
AC 11957	—	E
AC 17326	—	E

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Monday, June 26. 1916.

Measures of T Ceti

Plate No.	Magn.	Remarks
AC 4380	9.3	
AC 4730	—	E
AC 4845	—	E
AC 8514	7.3	
AC 4897	8.1	
AC 11793	8.2	
AC 8521	6.9	
AC 1890	9.3	
AC 8523	—	E h
AC 1927	Twi 1. 9.0	
	Exp. 2. 9.0	
AC 8614	8.1	
AC 8536	7.1	
AC 1960	9.0	q E
AC 8565	—	
AC 4147	10.1	q E
AC 8576	—	
AC 8577	8.0	
AC 4167	10.7	f E
AC 8667	—	
AC 12112	9.3	
AC 8688	8.9	
AC 16585	9.7	?
AC 12203	10.1	
AC 8989	10.3	
AC 16966	7.8	
AC 8996	10.3	
AC 17045	7.7	

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1916phae.proj.1160R

Monday. June 26, 1916.

Measures of T Caplii

Plate No.	Magn.	Remarks
AC 9005	10.1	
AC 17019	7.8	
AC 11960	8.3	
AC 17182	8.1	Interval between q' & h seems $>$ 0.1 Consequently estimates difficult
AC 12006	8.3	
AC 11188	10.4	
AC 13555	8.9	
AC 11859	8.1	
AC 11211	10.2	
AC 13593	—	t/2
AC 11863	—	t/.
AC 14196	8.7	
AC 11926	8.0	see note on AC 17182 above.
AC 14248	8.6	
AC 11805	8.0	
AC 15186	10.7	
AC 14259	8.5	
AC 15350	8.9	Interval between h' and k seems $>$ 0.4.
AC 14329	8.2	
AC 16415	—	t/.
AC 15385	8.5	
AC 14566	7.9	
AC 9828	—	t/. long trails in neutrint ?
AC 14700	8.6	
AC 11089	10.3	
AC 15402	8.7	

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1916phae.proj.1160R

Monday, June 26, 1916

Estimates of Magnitude of T Cephei

Plate No	Magn.	Remarks
AC 11124	10.3	
AC 7857	—	Wrong region
AC 11135	10.4	
AC 12611	—	E
AC 7011	10.6	
AC 16044	9.0	?

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1916phae.proj.1160R

Tuesday. June 27, 1916

Estimates of Magnitude of T Cephei

Plate No-	Magn.	Remarks
AC 4136	10.3	
AC 4804	7.4	
AC 6163	—	E
AC 4193	10.1	
AC 5434	—	E
AC 3809	—	Tf.
AC 14	—	i
AC 4333	9.3	
AC 6044	—	E
AC 4876	—	E
AC 162	7.7	
AC 5801	9.0	
AC 4963.	—	E
AC 300	—	E
AC 4994	8.6	
AC 4057	—	E
AC 5880	10.0	
AC 350	—	Tf. E
AC 5060	8.6	
AC 4078	10.7	
AC 367	—	E
AC 5082	9.1	
AC 4089	10.2	? Eg.
AC 578	7.9	
AC 5125	—	E
AC 4101	10.3	
AC 611	7.8	
AC 5183	10.2	

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Tuesday, June 27, 1916

Estimates of Magnitude of T Caphei

Plate No.	Magn	Remarks
AC4113	10.6	
AC672	9.3	
AC5442	—	E
AC4127	10.7	
AC822	—	E
AC6436	—	E
AC5460	—	E
AC829	—	E
AC5531	10.3	
AC872	—	E
AC5538	10.2	
AC6549	—	E
AC953	—	tg.
AC7003	10.7	
AC1621	—	E
AC7708	—	E
AC1079	—	E
AC7050	10.3	
AC7783	9.9	
AC1582	11.0	
AC7843	10.3	
AC1729	—	E
AC7908	10.2	
AC1775	10.1	
AC7933	10.3	
AC1790	—	E
AC7970	10.4	
AC1901	—	E

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Tuesday, June 27, 1916.

Estimates of Magnitude of T Ceti

Date Nr.	Magn	Remarks
AC 7994	10.4	
AC 1992	8.5	
AC 8027	—	E
AC 1994	—	E
AC 8091	10.6	i
AC 2488	—	E pq
~~AC 8395~~		
AC 2571	—	E
AC 8507	—	E
AC 2618	—	tq.
AC 8888	—	E
AC 2980	9.8	Interval here seems longer than 1.0.
AC 3333	7.8	
AC 3178	8.7	
AC 2926	10.3	
AC 3779	10.2	q
AC 3144	9.0	
AC 2880	11.0	
AC 3822	10.5	q
AC 3005	—	tq. E
AC 2857	10.7	q. E
AC 4008	—	E
AC 2851	—	E
AC 3563	—	E
AC 2825	—	E
AC 4015	10.8	?
AC 2736	—	tq
AC 3012	—	i tq.

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Tuesday. June 27, 1916

Estimates of Magnitude of T Ceph in

Plate No.	Magn.	Remarks
AC 3042	9.0	
AC 4038	10.6	?
AC 3051	9.0	
AC 2638	—	E
AC 3116	9.0	
AC 3510	—	E
AC 3091	8.9	
AC 12704	8.7	
AC 10798	8.2	
AC 9994	10.3	?
AC 10053	—	E
AC 12640	8.0	? E
AC 12646	8.1	
AC 9484	—	E
AC 9526	—	T.
AC 5932	—	wrong region

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Wednesday June 28, 1916

Estimates of Magnitude of T Ceph.

Plate No.	Magn	Remarks
AI 14731	9.7	?
AI 2937	—	Tf.
I 2918	—	Tf.
AI 2851	—	Tf.
AI 819	7.7	
AI 4700	—	Tg.
AI 1546	—	Tf?
AI 5477	ns < 8.4	
AI 2887	—	Tf.
AI 788	7.7	
AI 4695	—	Tf.
AI 1542	—	Tf.
AI 5471	—	Tf.
AI 774	7.8	
AI 4687	ns	Tf.
AI 2956	ns < 8.4	
AI 5409	ns < 9.6	
AI 1525	—	Tf.
AI 5464	ns < 8.4	
AI 2974	—	Tf.
AI 725	—	Tf.
AI 4678	ns < 8.8	
AI 2988	ns < 8.1	
AI 672	—	~~Wrong region~~ Defective plate
AI 3008	—	Tg.
AI 1511	—	Tf
AI 5449	ns < 9.2	
AI 3030	ns < 8.8	

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Wednesday. June 28, 1916

Estimates of Magnitude of Tempel

Plate No	Mag	Remarks.
AI664	—	Tf.
AI4662	—	Tf.
AI3047	ns < 8.8	
AI1499	—	Tf.
AI5444	ns < 9.2	
AI3157	ns < 9.2	
AI656	—	Tf.
AI8069	8.3	
AI4900	8.1	
AI1899	—	Tf.
AI4882	—	Tf.
AI617	—	Tf.
AI1828	—	Tf.
AI5404	ns < 9.9	
AI14762	ns < 9.2	
AI805	—	i
AI14790	ns < 9.2	
AI611	—	Tf.
AI4878	8.1	?
AI13667	—	Tf.
AI13648		
AI5481 ~~AI4581~~	10.1	
AI14754	—	Tf.
AI519	—	i
AI,1458	—	Tf.
AI 14997	—	Tf.
AI 14749	ns < 9.6	
AI 11137	—	Coarse region?

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Wednesday, June 28, 1916

Estimates of Magnitude of T Caeli.

Plate No.	Wash.	Remarks.
AI 14845	NS 9.9	
AI 7663	—	Tj.
AI 6358	—	Tj.

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Estimates of Magnitude of T Coeli

Plate No	Magn	Remarks
AI 1617	—	Tf.
AI 5526	ns < 8.8	
AI 4746	8.9	
AI 882	—	Tf
AI 5522	—	Tf.
AI 1599	ns < 8.8	
AI 4731	—	Tf
AI 867	7.7	
AI 5515	ns < 8.8	
AI 1591	ns < 8.4	
AI 4725	9.0	?
AI 837	—	Tf
AI 5499	ns < 8.8	
AI 1584	—	Tf
AI 828	7.6	
AI 4717	8.9	
AI 610	8.5	?
AI 5389	—	Tf
AI 4833	8.3	
AI 1765	—	Tf
AI 597	9.0	?
AI 5351	ns < 8.8	
AI 4822	8.2	
AI 1759	—	Tf
AI 5341	—	Tf
AI 598	8.9	
AI 4806	8.3	
AI 1681	ns < 8.8	

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Wednesday, June 28, 1916

Estimate of Magnitude of T Ceph in

Plate No.	Wavyn	Remarks
AI 5327	ns / 8.8	
AI 570	9.0	
AI 4802	8.3	
~~AI 1680~~		

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Thursday, June 29, 1916

Estimates of Magnitude of T Cephei

Plate No	Mag	Remarks.
AI 1680	—	wrong region?
AI 5319	ns < 8.8	
AI 565	8.7	
AI 1664	ns < 8.1	
AI 5303	—	Tj.
AI 4775	—	Tj.
AI 553	—	Tj.
AI 1630	ns < 8.8	
AI 5287	—	merely long trails
AI 4767	8.7	
AI 5263	—	Tj.
AI 1623	9.0	
AI 908	—	Tj.
AI 4757	9.0	
I 17297	9.5	
I 9174	—	Sp edge
I 35971	7.9	9' is decidedly f4
I 9200	6.9	
I 35534	—	E
I 9247	—	E
I 9230	—	E
I 35543	9.5	
I 29117	—	E
I 9227	—	E
I 29120	11.2	
I 9231	—	Tp.
I 29158	11.3	
I 9250	6.9	

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Thursday, June 29, 1916

Estimates of Magnitude of T Cephei

Plate No	Observer	Remarks
I 29279	—	E
I 7440	—	E
I 16220	7.2	
I 9169	—	E
I 30340	—	E
I 9170	—	E
I 16429	—	E
I 9173	—	E
I 31077	—	E
I 16430	7.9	
I 3883	—	Tf
I 31080	10.3	
I 16550	7.0	
I 4024	7.9	
I 30177	10.3	
I 16747	8.0	9' here seems > h.
I 33643	10.4	
I 33723	10.0	
I 16748	8.0	
I 33722	10.2	
I 17075	8.9	
I 34788	—	E
I 21246	—	E
I 9313	—	Tf
I 21050	8.9	
I 9512	—	Tf.
I 26536	7.9	9' > h
I 11459	7.3	

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Thursday. June 29, 1916

Estimates of Magnitude of T Caffei

Plate No	Magn	Remarks
I 26433	—	E
I 13471	—	Tj.
I 26360	—	E
I 13459	8.0	
I 26339	—	Tq.
I 13414	—	Tj.
I 25746	—	E
I 13276	8.0	
I 24402	—	E
I 13192	—	Tj.
I 23786	—	E
I 13159	—	Tj.
I 23539	8.6	
I 13138	—	Tj.
I 23495	—	Spectrum plate
I 11844	—	E
I 23373	9.4	
I 11841	8.7	
I 23370	9.3	
I 11711	—	E
I 23352	—	E
I 11710	—	E
I 27616	9.9	
I 13562	—	E
I 27582	10.0	
I 13563	—	E
I 27536	9.7	?
I 15950	8.9	

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Thursday June 29, 1916

Estimates of Magnitude of Telescope

Plate No	Magn	Remarks
I 27535	—	Tf.
I 15802	9.0	
I 27525	9.7	
I 15704	9.1	i
I 27744	9.5	
I 15513	9.1	
I 27828	—	E
I 15321	10.1	
I 27393	—	E
I 15225	10.4	9.?
I 27264	—	Nearly long trails
I 14407	10.3	? E
I 1933	—	Tf.
I 2332	10.6	
I 4518	—	Tf.
I 2213	10.3	
I 1925	9.3	
I 4516	—	long trails
I 2353	10.7	
I 2304	—	E
I 4515	—	long trails
I 2356	—	E
I 1932	—	E
I 2858	10.3	
I 4030	—	E
I 14406	—	E
I 4029	7.8	
I 17932	—	E

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Thursday. June 29, 1916

Estimates of Magnitude of T Coph.

Plate No.	Magn	Remarks
I 14025	8.0	? E
I 17850	11.3	
I 11698	8.0	E?
I 0549	10.7	
I 11697	—	E
I 20368	—	E
I 11688	—	E
I 20367	—	E
I 19420	—	E
I 11679	—	E
I 18486	9.4	
I 11664	—	E
I 18426	9.5	
I 11658	—	E
I 18337	9.8	?
I 11657	—	E
I 18253	10.4	
I 11632	—	E
I 18105	11.6	
I 11633	7.8	
I 19130		E
I 11552	7.8	
I 21327	—	? E
I 9715	—	E
I 21248	—	E
I 9711	8.5	
I 21247	—	E

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Thursday, June 29, 1916

Estimates of Magnitude of T Coronae

Plate No.	Magn	Remarks
MC 6866	7.9	9' < h
	fr. comp. 7.8	
MC 5867	8.4	
	fr. c. 8.4	
M 365-4	8.5	
M 3678	——	Wrong region
M 3809	7.3	9' < h decidedly
M 4027	——	wrong region
A 1493	8.6	
A 1044	77	? 9' > h
A 810	7.2	

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Monday, July 3, 1916

Estimates of Magnitude of T Ceph in

Plate No	Magn	Remarks
C 8481	7.9	a very near edge - Film dis-colored - i q.
C 8064	8.2	i
C 8814	10.6	
C 9103	11.6	q
C 8815	10.6	
C 8065	8.3	

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1916phae.proj.1160R

Tuesday. July 11, 1916

Estimates of Magnitude of T Ceplei

Plate No	Magn	Remarks
AC7663	9.5	
A1615	—	Does not cover

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1916phae.proj.1160R

Thursday, July 13, 1916

Estimates of Magnitude of T Cephei - Re-measures

Plate No	Magn	Remarks
AI 2218	7.2	
AI 873	7.4	Diffused.
AI 14049	8.9	
AI 10048	7.8	
AI 867	7.3	
AI 1623	Th.	
~~AC 7734~~ AC 7665	9.5	Wrong cover.
AC 12491	7.7	
AC 11061	10.2	
AC 1167	—	too near edge - 7.2
AC 5165	10.0	
AC 12538	7.1	
AC 16322	—	Length of trails makes it inadvisable to measure
I 11455	7.0	
I 26536	7.3	
MD 6083	8.5	
MC 5882	8.5	
MC 6848	7.9	h > 9'
MD 6562	7.9	9' > h

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1916phae.proj.1160R

Friday
~~Thursday~~, July 14, 1916

Estimates of Magnitude of T Ceplei – Re-measures.

Plate No.	Wayne's Remarks.
AC12560	7.0
AC12512	7.1
AC12568	7.1
AC13311	7.7

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1916phae.proj.1160R

Saturday, July 15, 1916

Estimates of Magnitude of R Camelopardalis

Plate No	Magn	Remarks
I 34314	10.5	
I 36554	—	not on plate
I 36556	—	" " "
I 36560	—	" " "
I 36563	—	" " "
I 36565	—	E
I 36566	—	E
I 36477	—	E
I 29536	—	not on plate
I 36568	—	E
I 36478	—	E
I 30557	—	out of focus plate - 5 exp.
I 36569	—	E
I 36493	—	not on plate
I 34141	12.0	"

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1916phae.proj.1160R

Monday. July 17. 1916

Estimates of Magnitude of R Canes Jandalis

Plate No	Magn	Remarks
I36570	—	E
I36523	—	E
I36534	—	E
I36572	—	E
I36504	—	E
I36645	—	E
I36533	—	E
I36653	—	E
I36580	—	E
I36586	—	e
I36646	—	e
I36476	—	e
I36640	—	e
I36470	—	e
I30553	—	e
I32156	—	e
I30659	—	e
I32153	—	e
I30690	12.6	ei
I32152	—	e
I29531	—	Tf
I32147	—	e
I31764	—	e
I32144	—	e
I31759	—	Tf
I32132	—	e
I31757	—	out of focus plate
I32131	—	e

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1916phae.proj.1160R

Monday, July 17, 1916

Estimates of Magnitude of π Camelopardalis

Plate No	Magt	Remarks
I 31628	—	e
I 32054	—	e
I 32021	—	e
I 31556	—	e
I 32020	—	e
I 35487	—	e
I 32017	—	e
I 29505	—	e
I 32016	—	out of focus plate
I 31370	—	e
I 32015	—	off plate
I 30398	—	e
I 32014	—	out of focus plate
I 33919	—	e
I 31727	—	off plate
I 33923	—	e
I 33934	—	e
I 30317	—	e
I 33935	—	e
I 30193	—	not on plate
I 33936	—	long trails off plate
I 30168	—	not on plate
I 33937	—	e
I 31420	—	e
I 33939	—	e
I 31770	—	out of focus plate
I 32274	—	poor plate
I 30073	—	e

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1916phae.proj.1160R

Monday, July 17, 1916

Estimates of Magnitude of T Camelopardalis

Plate No	Magn	Remarks
I 32275	—	Tf.
I 30582	—	out of focus plate
I 32276	—	Tf.
I 30588	—	Tf.
I 32284	—	e
I 30603	—	e
I 32285	—	e
I 30617	—	e
I 32286	—	e
I 30627	—	e
I 32287	—	e
I 30632	—	e
I 36052	—	e
I 36360	—	e
I 33158	—	e
I 36051	—	e
I 34926	—	13.4 ef
I 36050	—	off plate
I 34920	—	e
I 36708	—	e
I 35410	—	off plate
I 36021	—	e
I 31431	—	e
I 36020	—	too black to see any thing
I 36429	—	e
I 33587	—	out of focus plate
I 36018	—	e
I 36424	—	not on plate

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1916phae.proj.1160R

Monday. July 17, 1916

Estimates of Magnitude of R Canes Venaticis

Plate No	Magnt	Remarks.
I36014	—	e
I36422	—	not on plate
I36013	—	e
I36420	—	not on plate
I36070	—	e
I36419	—	not on plate
I36055	—	e
I32013	—	Tq
I36415	—	e
I36054	—	e
I36048	—	not on plate
I36053	—	e
I36361	—	e
I35498	—	e
I33225	—	e
I35490	—	e
I33259	—	Tq
I35489	—	e
I33354	—	e
I35486	ns 12.4	e
I33355	—	out of focus plate
I35468	—	e
I33402	—	out of focus plate
I35455	—	e
I33417	—	out of focus plate
I35443	—	" " " "
I33434	—	e
I35439	—	e

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1916phae.proj.1160R

Monday, July 17, 1916

Estimates of Magnitude of T Canis Majoris

Plate No	Magn	Remarks
I34528	—	e
I35369	12.6	e
I34527	—	e
I34552	—	e
I34530	—	e
I35367	—	e
I34531	11.1	e
I34570	—	Wedge
I34532	—	e
I35366	—	e
I34533	—	e
I34573	—	e
I34534	—	e
I35365	—	e
I34530	—	Wplate
I34594	—	e
I34526	—	e
I35382	—	e
I34525	—	e
I34593	—	e
I34524	—	e
I35396	—	plate not identified
I34515	—	e
I34592	ns 12.4	e
I34516	—	e
I35395	—	not on plate
I34514	—	e
I34591	—	e

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1916phae.proj.1160R

Monday, July 17, 1916

Estimates of Magnitude of R Cancri & Comparisons

Plate No	Magnd	Remarks
I35394	—	e
I34590	—	e
I35393	—	e
I34589	—	not on plate
I35392	ns < 12.4	e
I34588	—	e
I35391	—	e
I34598	—	e
I35398	—	e
I34597	—	e
I35399	12.6	q
I34603	—	e
I34484	—	e
I34605	—	ff plate
I34489	—	e
I34609	—	ff plate
I34495	—	e
I34606	—	ff plate
I34496	—	e
I34616	—	ff plate
I34482	—	e
I34622	—	ff plate
I34473	—	e
I34624	—	ff plate
I34470	—	e
I34631	—	fq
I34445	—	wrong region
I34632	—	not on plate

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Monday, July 17, 1916

Estimates of Magnitude of R Canis Majoris

Plate No	Magn	Remarks
I 34444	—	e
I 34365	—	Wedge
I 34665	—	" "
I 34108	—	e
I 34664	—	Wedge
I 34111	—	e
I 35506	ns < 11.9	e
I 34084	—	e
I 35507	—	e
I 34083	—	Wedge
I 35508	ns < 12.4	e
I 34077	—	merely long trails
I 35509	—	e
I 34071	12.6?	a i
I 35505	—	e
I 36438	—	Wedge
I 36402	—	e
I 33955	—	e
I 34883	—	e
I 33956	—	Tf.

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Tuesday, July 18, 1916

Estimates of Magnitude of R Camelopardalis

Plate No.	Magn	Remarks
I 34096	—	e
I 34097	ns < 12.4	
I 34069	ns < 11.9	
I 35339	12.3 ?	
I 34049	—	
I 35556	—	e
I 34078	—	e
I 35557	—	e
I 34047	—	e
I 35558	—	e
I 34046	ns < 11.3	
I 35546	ns < 11.3	
I 34045	—	e
I 35533	11.6 ?	
I 34044	ns < 11.7	
I 35518	—	e
I 34040	—	e - deeply stained
I 35511	ns < 11.3	
I 34087	ns < 12.4	
I 35512	ns < 11.9	
I 34090	ns < 13.7	
I 35513	—	off plate.
I 34089	—	e
I 35514	13.6 ?	
I 34093	—	e
I 35515	—	e
I 34098	ns < 12.4	
I 35516	ns < 12.4	

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Tuesday, July 18, 1916

Estimates of Magnitude & R Cancri Parallax

Plate No	Magn	Remarks
I 33949	—	e
I 35349-1	12.2?	
I 32273	—	e
I 36027	—	f/f
I 32405	ns < 12.7?	
I 32344	—	e
I 12272	13.3?	very faint
I 32018	—	out of focus plate
I 35349	—	e
I 34451	—	e
I 35309	—	not on plate
I 34467	—	e
I 35308	11.4	ie
I 35549	11.6	ie
I 35326	11.6	
I 35537	11.8	
I 35327	11.6	
I 34065	ns < 12.4	
I 35333	—	f/f
I 34068	ns < 12.4	
I 35335	11.8?	fie
I 34918	ns < 12.7	
I 34856	—	e
I 34915	ns < 12.4	
I 34875	ns < 12.4	
I 34857	—	e
I 34911	ns < 12.4	
I 34879	ns < 12.4	

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Tuesday, July 18, 1916

Estimates of Magnitude of TR Camelopardalis

Plate No	Magn	Remarks
I34555	11.8?	f
I34903	13.1	f
I34880	—	Tfe
I34853	12.4?	very faint + indistinct.
I34907	ns<12.4	
I34872	ns<12.4	
I35351	12.2?	
I34895	ns<11.9	
I34873	ns<12.4	
I35352	12.0?	
I34896	—	Tfe
I34874	ns<12.7	
I35353	ns<11.7	
I34888	12.9?	f
I34870	—	= merely long trails
I35354	11.8?	f
I34889	ns<12.4	
I34867	—	13 exposures - impossible to observe trails
I35355	—	Tfe
I34890	—	Tfe
I34868	—	merely long trails
I35356	—	Tfe
I34891	ns<12.4	
I34869	—	merely long trails
I35340	—	Tfe
I34892	ns<12.4	
I34860	ns<11.9	
I35342	12.3?	

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Tuesday - July 18, 1916

Estimates of Magnitude of R Canum Venaticis

Plate No	Magn	Remarks
I34893	ns < 12.7	
I35343	12.0?	F
I34861	ns < 11.3	
I35344	11.6?	
I35347	ns < 12.7	
I34882	—	Tpe
I34862	—	Tpe
I35345	12.0?	
I34877	ns < 11.9	
I35346	12.3?	F
I34863	—	Tpe
I35348	11.8?	
I36958	—	Tpe
I30653	—	Tpe
I35368	—	Tpe
I35336	—	Tpe
I35562	—	Tpe
I34529	—	e
I34041	—	e
I33940	not found.	
I35319		
I36014		
I32586		
AC3400	10.8	Foggy
AC 10881	—	+ [illegible]
AC 7012	—	not on plate
AC 9994	—	" " "

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1916phae.proj.1160R

Tuesday, July 18, 1916

Estimates of Magnitude of IC Comets Jordan's
Plate No Magn Remarks

AC 4776
4806
4931
7013
7856
8465
8472
8485
16586
A 1461 — Does not cover
A 1258 — IC.

Can't find.

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1916phae.proj.1160R

Wednesday. July 19, 1916

Estimates of Magnitude of R Canum Venaticis

Plate No	Magn	Remarks – R_4-measures
I35344	11.8 ?	
I35347	12.0 ?	Wrong obj. observed previously R3:45.
I35348	12.1	
I34853	—	Tf to measure
I34853	12.1 ?	Very difficult
I34071	—	Tf to measure
I34531	—	Tf to estimate

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1916phae.proj.1160R

Friday, Sept. 15, 1916

Estimates of Magnitude of R Camelopardalis

Plate No.	Magn.	Remarks
~~MD6584~~ MC7915	12.9	
MD6581	10.6	
AC10000	10.2	Short Jmages make estimates difficult.
AC9964	—	Too near edge.
AC11738	10.1	
AC9969	10.4	

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1916phae.proj.1160R

Saturday Sept 16, 1916

– Miss Cannon's Variable –

AM 3699

Exposure	Steagn	Remarks
1	8.5	
13	9.4	
5	8.9	
8	9.5	
7	9.2	
2	8.6	
3	8.7	
10	10.3	
4	8.7	
12	9.6	
6	8.9	
9	10.2	
11	10.1	

Stars m & l are both given as 10.0. V seems red but yellow. Difference in form of images may account for this.

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1916phae.proj.1160R

Monday, Sept. 18, 1916

Estimates of Magnitude of T Cassiopeiae.

Plate No	Magn	Remarks
AC 14620		
MC 4363	10.7	Image hazy

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1916phae.proj.1160R

Tuesday, Sept. 19, 1916

Estimates of Magnitude of R Cassiopeiae.

Plate No	Magn	Remarks
I 35234	—	ns =
I 31129	12.7	f.
I 33650	14.1	very difficult —
I 34202	9.5	
I 28187	8.8	
I 31169	12.6	
I 33751	—	spectrum plate
I 29594	9.2	
I 33747	ns < 13.3	Possibly so faint that it can not be distinguished from n.
I 31198	12.6	
I 29612	8.5	
I 30875	—	wrong region
I 29658	8.8	elongated images
I 29684	8.8	Interval between m & l seems > 0.2.
I 31032	13.0	
I 33641	—	long hazy tails
I 29698	8.8	
I 33392	—	Tf.
I 30873	ns < 12.8	
I 6718	—	too black to see anything
I 15658	12.5	
I 4396	—	too near edge
I 6907	—	not on plate
I 168	—	If the plate
I 13364	—	to join a plate
I 1857	—	If the plate
I 13745	6.9	Certainly image is larger than h, but probably not as in time —

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1916phae.proj.1160R

Tuesday. Sept. 19, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks
I 9037	—	wrong region
I 13805	9.7	
I 424	—	off the plate
I 15771	12.5	
I 11598	> h = 7.0	About 6.8 See J. 131
I 7483	12.7	diffuse
I 1763	—	off the plate
I 9379	9.2	plate badly stained
I 381	—	off the plate
I 4395	—	"
I 2511	—	not on plate
I 11941	8.8	q
B 1921	—	spectrum
B 2034	—	wrong region
B 3055	—	spectrum
B 3152	—	"
B 2859	—	"
B 2950	—	"
B 186	—	"
B 196	—	"
B 829	—	"
B 950	—	"
B 1920	—	"

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1916phae.proj.1160R

Wednesday, Sept. 20, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks	M	m	Var.
AC8071	10.4	q	0.6	4.3	On all AC - 11.3
AC7099	—	merely long trails — plates variable			
AC5479	ns < 10.3	and ns are satu-			
AC8190	11.0	0.0	rated by ns —		
7168 AC7105	11.0	0.0	" " " —		
AC5504	ns < 10.9	—			—
AC8229	ns < 10.3	—			—
AC7114	10.8	q	0.2	1.7	12.7
AC5553	10.9		0.1	2.6	13.6
AC8632	8.8		2.2	2.0	9.0
AC7186	—	vf. < 10.9 q at any rate			—
AC5607	10.7		0.3	1.2	12.2
AC8683	8.2		2.8	2.7	8.3
AC7242	—	Tq	—		—
AC5663	< 10.9		—		—
AC8700	7.6		3.4	3.4 ~~2.8~~	7.6 ~~8.2~~
AC7265	—	plate too poor	—		—
AC5676	< 10.9		—		—
AC8717	7.6		3.4	3.4	7.6
AC7718	—	plate too poor	—		—
AC6567	9.9 ?		1.1	.6	10.4
AC14020	10.2		0.8	.1	10.9
AC7752	9.5		1.5	1.2	9.8
AC6709	10.4	q	0.6	.4 3	11.3
AC14655	10.4?		0.6	.4 3	11.3
AC7791	9.5		1.5	1.2	9.8
AC6840	10.6		0.4	.9	11.9
AC15221	10.4		0.6	.4 3	11.3

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1916phae.proj.1160R

Wednesday, Sept. 20. 1916

Estimates of Magnitude of R Canes Venat

Plate No	Magn.	Remarks	M	m	Var.
AC7820	9.8		1.2	.8	10.2
AC6864	10.8		0.2	1.7	12.7
AC15270	10.7?		0.3	1.2	12.2
AC7857	9.7		1.3	.9	10.1
AC6903	<10.9		—		—
AC5409	10.8	o appears < q - Image not well focused	0.2	1.7	12.7
AC8006	10.4		0.6	4.3	11.3 ~~11.3~~
AC6922	10.8	o " > q.	0.2	1.7	12.7
AC5448	<10.9		—		—
AC8021	10.4		0.6	4.3	11.3
AC8065	ns <10.0		—		—
AC7027	<10.9		—		—
AC5467	<10.9		—		—
AC8773	8.4		2.6	2.5	8.5
AC7285	ns <10.3		—		—
AC5721	<10.9		—		—
AC8799	7.9		3.1	3.0	8.0
AC7615	—	plate too poor	—		—
AC5744	<10.9		—		—
AC8821	8.2	q	2.8	2.7	8.3
AC7670	8.8 ?	very dupnict	2.2	2.0	9.0
AC5821	10.7		0.3	1.2	12.2
AC8837	8.4		2.6	2.5	8.5
AC5830	<10.9		—		—
AC8864	8.8		2.2	2.0	9.0
AC6394	8.8		2.2	2.0	9.0
AC8877	8.8		2.2	2.0	9.0
AC6426	8.8		2.2	2.0	9.0

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1916phae.proj.1160R

Wednesday, Sept. 20, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks	M	m	Var.
AC8892	8.8		2.2	2.0	9.0
AC6489	9.4?		1.6	1.3	9.7
AC8917	8.8		2.2	2.0	9.0
AC6515	9.5		1.5	1.2	9.8
AC8938	8.8		2.2	2.0	9.0
AC6557	9.9		1.1	.6	10.4
AC66	—	faint plate	—		—
AC3050	8.8		2.2	2.0	9.0
AC15379	10.8		0.2	1.7	12.7
AC67	10.6	definite	0.4	1	11.9
AC3068	8.8		2.2	2.0	9.0
AC1662	10.4		0.6	.4	11.3
AC103	< 10.9		—		—
AC3092	8.8		2.2	2.0	9.0
AC1737	—	plate too poor	—		—
AC3101	8.8		2.2	2.0	9.0
AC373	8.2		2.8	2.7	8.3
AC1833	7.7		3.3	3.2	7.8
AC3146	8.8		2.2	2.0	9.0
AC396	8.8		2.2	2.0	9.0
AC1892	7.6		3.4	3.4	7.6
AC399	8.6		2.4	2.3	8.7
AC1900	7.7		3.3	3.2	7.8
AC3190	9.1		1.9	1.6	9.4
AC467	—	multiple in eye piece	—		—
AC3765	10.7?	"	0.3	1.2	12.2
AC1942	7.7		3.3	3.2	7.8
AC3785	< 10.9		—		—

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1916phae.proj.1160R

Wednesday. Sept. 20, 1916

Estimates of Magnitude of R Cassiopeiae

Plate no	Magn	Remarks	M	m	Var.
AC487	9.8		1.2	.8	10.2
AC3811	ns < 10.5		—		—
AC1985	8.3		2.7	2.6	8.4
AC3823	ns < 10.9		—		—
AC570	—	plate too poor	—		—
AC2037	8.8		2.2	2.0	9.0
AC4016	10.8		0.2	1.7	12.7
AC902	9.4?	g	1.6	1.3	9.7
AC4016	< 10.9		—		—
AC5174	< 10.9		—		—
AC2758	10.4	Interval between o and o' seems > 0.1 m	0.6	.3	11.3
AC4965	—	plate too poor	—		—
AC1240	10.7		0.3	1.2	12.2
AC5184	< 10.9		—		—
AC4323	10.4		0.6	.3	11.3
AC2761	< 10.9		—		—
AC4982	10.2		0.8	.1	10.9
AC2867	< 10.9		—		—
AC5259	10.6		0.4	.9	11.9
AC4343	10.4		0.6	.3	11.3
AC4453	9.8	Defects all over plate	1.2	.8	10.2
AC5056	10.4		0.6	.3	11.3
AC2909	10.8		0.2	1.7	12.7
AC5092	< 10.9		—		—
AC2979	10.1		0.9	.3	10.7
AC5104	< 10.9		—		—
AC3033	8.8		2.2	2.0	9.0
AC4494	9.5		1.5	1.2	9.8

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1916phae.proj.1160R

Wednesday. Sept. 20, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks	M	m	Var
AC 2076	8.8		2.2	2.0	9.0
AC 954	—	nearly long trails	—		—
AC 4276	10.7		0.3	1.2	12.2
AC 4389	10.7		0.3	1.2	12.2
AC 4069	10.9		0.1	2.6	13.6
AC 2241	9.3 —		1.5	1.2	9.8
AC 4085	ns < 10.8		—		—
AC 978	8.8		2.2	2.0	9.0
AC 2583	10.8		0.2	1.7	12.7
AC 4098	10.8		0.2	1.7	12.7
AC 979	—	multiple images	—		—
AC 2656	—	plate too poor	—		—
AC 4104	10.7	superior	0.3	1.2	12.2
AC 5245	10.4		0.6	.3	11.3
AC 2692	~~< 10.9~~ 10.4?	multiple images plate	0.6	.3	11.3
AC 4300	10.4?		0.6	.3	11.3
AC 4137	10.4		0.6	.3	11.3
AC 980	8.8		2.2	2.0	9.0
AC 4178	< 10.9	q	—		—
AC 5362	ns < 10.5		—		—
AC 5137	10.7		0.3	1.2	12.2
AC 2747	< 10.9		—		—
AC 4204		nearly long trails	—		—
AC 1052	10.4		0.6	.3	11.3

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1916phae.proj.1160R

Wednesday, Sept. 20, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks	M	m	Var
AC 13303	10.4		0.6	.3	11.3
AC 9827	9.5		1.5	1.2	9.8
AC 11231	7.8		3.2	3.1	7.9
AC 9870	9.2		1.8	1.6	9.4
AC 11243	8.3		2.7	2.6	8.4
AC 12085	10.8		0.2	1.7	12.7
AC 13324	10.4		0.6	.3	11.3
AC 9938	9.0 ?		2.0	1.8	9.2
AC 13335	10.4		0.6	.3	11.3
AC 11252	7.8		3.2	3.1	7.9
AC 11988	10.9		0.1	2.6	13.6
AC 9989	9.1		1.9	1.6	9.4
AC 13359	—	Isochromatic	—		—
AC 10029	9.3	9	1.7	1.4	9.6
AC 11274	7.7		3.3	3.2	7.8
AC 11350	8.4		2.6	2.5	8.5
AC 11961	ns < 10.9		—		—
AC 13381	—	Isochromatic	—		—
AC 11712	ns < 10.5		—		—
AC 12076	ns < 10.9		—		—
AC 11290	7.7		3.3	3.2	7.8
AC 11942	< 10.9		—		—
AC 13412	10.4		0.6	.3	11.3
AC 11811	7s < 10.0		—		—
AC 10098	9.3		1.7	1.4	9.6
AC 11820	< 10.9		—		—
AC 11830	4s < 9.6		—		—
AC 10458	10.8	9	0.2	1.7	12.7

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1916phae.proj.1160R

Wednesday. Sept. 20, 1916

Estimates of Magnitude of Cassiopeiae

Plate no	Mag.	Remarks	M	m	Var
AC 12122	10.4?		0.6	.3	11.3
AC 11871	< 10.9		—		—
AC 12038	< 10.9		—		—
AC 10680	< 10.9		—		—
~~AC 11879~~			—		—
AC 10709	10.9		0.1	2.6	13.6
AC 11907	ns < 10.3		—		—
AC 10718	ns < 10.0		—		—
AC 8982	9.4		1.6	1.3	9.7
AC 12178	< 10.9		—		—
AC 10738	10.7	F	0.3	1.2	12.2
AC 9004	9.4	=	1.6	1.3	9.7
AC 12217	10.4	fg.	0.6	.3	11.3
AC 10769	< 10.9		—		—
AC 9009	9.1		1.9	1.6	9.4
AC 12249	< 10.9		—		—

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1916phae.proj.1160R

Thursday, Sept. 21, 1916

Estimates of Magnitude of R Cassiopeiae.

Plate No	Magn	Remarks	M	m	Var
AC 10820	ns < 10.3		—		—
AC 12264	10.8		0.2	1.7	12.7
AC 9040	9.8		1.2	.8	10.2
AC 12293	—	long limits	—		—
AC 10848	< 10.9		—		—
AC 9051	9.8		1.2	.8	10.2
AC 10851	10.5 ?		0.5	.6	11.6
AC 9058	9.9		1.1	.6	10.4
AC 12457	10.4		0.6	.3	11.3
AC 9064	9.7	rg	1.3	.9	10.1
AC 10890	ns < 10.3		—		—
AC 9075	9.9		1.1	.6	10.4
AC 12466	10.3		0.7	.1	11.1
AC 10904	ns < 10.0		—		—
AC 9077	9.5		1.5	1.2	9.8
AC 12472	ns < 10.0		—		—
AC 10912	ns < 10.0		—		—
AC 9089	9.8		1.2	.8	10.2
AC 12495	10.4		0.6	.3	11.3
AC 10949	< 10.9		—		—
AC 9096	—	faint plate	—		—
AC 11004	ns < 10.3		—		—
AC 9547	< 10.9		—		—
AC 12520	ns < 10.0		—		—
AC 9628	ns < 10.0		—		—
AC 11088	10.4		0.6	.3	11.3
AC 9703	ns < 10.3		—		—
AC 12533	ns < 10.3		—		—

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1916phae.proj.1160R

Thursday, Sept. 21, 1916

Estimates of Magnitude of R Cassiopeiae.

Plate No	Magn	Remarks	M	m	Var
AC 11110	9.9		1.1	.6	10.4
AC 12541	10.4		0.6	.3	11.3
AC 11163	9.0		2.0	1.8	9.2
AC 12550	< 10.9		—		—
AC 12673	10.4		0.6	.3	11.3
AC 9765	9.9		1.1	.6	10.4
AC 12735	< 10.9		—		—
AC 9806	9.5		1.5	1.2	9.8
AC 11210	8.8		2.2	2.0	9.0
AC 13177	8.5		2.5	2.4	8.6
AC 16799	10.4	Image of variable is much elongated & looks like two stars	0.6	.3	11.3
AC 14224	9.1	9	1.9	1.6	9.4
AC 17035	8.8		2.2	2.0	9.0
AC 16830	9.5		1.5	1.2	9.8
AC 14254	9.5		1.5	1.2	9.8
AC 17099	8.8		2.2	2.0	9.0
AC 14268	8.9	for plate	2.1	1.8	9.2
AC 16860	9.2		1.8	1.6	9.4
AC 14315	—	plate too poor	—		—
AC 17168	8.8		2.2	2.0	9.0
AC 17548	7.5 < 10.0		—		—
AC 17158	8.8		2.2	2.0	9.0
AC 14360	—	Too dim for estimate	—		—
AC 17680	< 10.9		—		—
AC 17272	9.8		1.2	.8	10.2
AC 14389	9.7		1.3	9	10.1
AC 13449	10.4		0.6	.3	11.3

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1916phae.proj.1160R

Thursday. Sept. 21, 1916

Estimates of Magnitude of TR Cassiopeiae

Plate No	Mag	Remarks	M	m	Var
AC16725	10.4		0.6	.3	11.3
AC17575	—	plate too poor	—		—
AC14396	9.9		1.1	.6	10.4
AC13467	<10.9		—		—
AC15411	7.7		3.3	3.2	7.8
AC16683	10.4		0.6	.3	11.3
AC14402	9.8	? multiple image plate	1.2	.8	10.2
AC13604	10.7		0.3	1.2	12.2
AC15431	7.5		3.5	3.5	7.5
AC14431	9.5		1.5	1.2	9.8
AC14049	ns <10.5		—		—
AC15444	7.4		3.6	3.6	7.4
AC14121	9.7		1.3	.9	10.1
AC15499	> h=7.0	at least 0.3. See J.131			
AC14433	9.7		1.3	.9	10.1
AC14211	9.4		1.6	1.3	9.7
AC15564	> h=7.0	probably 0.3 - Images elongated See J.131			
AC14517	10.2		0.8	.1	10.9
AC15893	8.9		2.1	1.8	9.2
AC14529	~~9.8~~ 10.1		0.9	.3	10.7
AC16131	10.4		0.6	.3	11.3
AC16783	Yellow —		—		—
AC15837	——	Yellow	—		—
AC14533	10.2		0.8	.1	10.9
AC16502	—	Yellow	—		—
AC15638	—	Yellow	—		—
AC16530	<10.9		—		—
AC15912	8.3	Diffused - multiple image plate	2.7	2.6	8.4

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1916phae.proj.1160R

Thursday. Sept 21, 1916

Estimates of Magnitude of R. Canes Venat.

Plate No	Mags	Remarks	M	m	Var
AC16577	< 10.9		—		—
AC15754	7.6		3.4	3.4	7.6
AC16655	ns < 9.6		—		—

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1916phae.proj.1160R

Thursday, Sept. 21, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Mag	Remarks	M	m	Var
AC4473	—	wrong region.	—	—	—
AC6815	10.4		0.6	.3	11.3
AC3223	9.4		1.6	1.3	9.7
AC5185	10.8		0.2	1.7	12.7
AC6866	10.9	Difficult	0.1	2.6	13.6
AC3289	9.8		1.2	.8	10.2
AC5237	<10.9		—		—
AC6898	<10.9		—		—
AC3866	<10.9		—		—
AC6933	10.8		0.2	1.7	12.7
AC5280	10.9		0.1	2.6	13.6
AC7005	<10.9		—		—
AC3916	10.4		0.6	.3	11.3
AC5357	10.7		0.3	1.2	12.2
AC7019	10.4	q	0.6	.3	11.3
AC3956	—	plate too poor	—		—
AC5386	10.4		0.6	.3	11.3
AC4092	10.7		0.3	1.2	12.2
AC7088	9.4 ?	q.	1.6	1.3	9.7
AC4128	10.6		0.4	.8	11.9
AC7096	10.9	F	0.1	2.6	13.6
AC5422	—	plate tf.	—		—
AC4172	10.4		0.6	.3	11.3
AC7145	10.4		0.6	.3	11.3
AC5476	10.8		0.2	1.7	12.7
AC4286	10.8		0.2	1.7	12.7

When the image of the variable
is very near N.0 the image is slightly
elongated, but the star stars cannot
be separated. Comparison quite exact.

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1916phae.proj.1160R

Thursday. Sept. 21 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks	M	m	Var
AC5503	< 10.9		—		—
AC7171	< 10.9		—		—
AC5520	ns < 10.5		—		—
AC4335	10.4		0.6	.3	11.3
AC7227	10.9		0.1	2.6	13.6
AC7262	ns < 10.9		—		—
AC5020	10.4	f. disjunct	0.6	.3	11.3
AC6479	9.0	"	2.0	1.8	9.2
AC5047	—	plate too poor	—		—
AC6501	9.7 ?	q	1.3	.9	10.1
AC6681	10.4	q	0.6	.3	11.3
AC5096	10.9		0.1	2.6	13.6
AC6551	9.9		1.1	.6	10.4
AC5101	—	plate too poor	—		—
AC6616	9.8	q decidedly >	0.2	.8	10.2
AC5127	ns < 9.6		—		—
AC6744	10.4		0.6	.3	11.3
AC6635	10.2		0.8	.1	10.9
AC5158	10.4	F	0.6	.3	11.3
AC6645	10.4	q > 0.	0.6	.3	11.3
AC7252	10.8	Fq	0.2	1.7	12.7
AC4355	10.8		0.2	1.7	12.7
AC5840	< 10.9		—		—
AC4471	10.2	Fq	0.8	.1	10.9
AC5652	10.8		0.2	1.7	12.7
AC4524	7.7		3.3	3.2	7.8
AC7307	10.8	i	0.2	1.7	12.7
AC5745	10.8		02	1.7	12.7

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1916phae.proj.1160R

Thursday, Sept. 21, 1916

Estimates of Magnitude of P Cassiopeiae

Plate no.	Mag.	Remarks	M	m	Tau
AC 4572	7.7		3.3	3.2	7.8
AC 7646	9.0	i	2.0	1.8	9.2
AC 5780	10.8		0.2	1.7	12.7
AC 4618	> h or 6.9	Surf. 131			
AC 7676	10.9		0.1	2.6	13.6
AC 5789	10.5		0.5	.6	11.6
AC 4711	7.1		3.9	3.9	7.1
AC 7696	9.4		1.6	1.3	9.7
AC 5892	< 10.9	very q.	—		—
AC 5015	10.4	o < q	0.6	.3	11.3
AC 7712	9.5		1.5	1.2	9.8
AC 5902	ns < 10.3		—		—
AC 7769	9.7		1.3	.9	10.1
AC 5969	10.4		0.6	.3	11.3
AC 7798	—	+ f to nucleus	—		—
AC 6041	10.9		0.1	2.6	13.6
AC 7930	—	nucleus long trails	—		—

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Friday, Sept. 22, 1916

Estimates of Magnitude of R Canis Majoris

Plate No	Magn	Remarks	M	m	Var
AC1640	—	plate too poor	—		—
AC2777	< 10.9		—		—
AC427	9.5		1.5	1.2	9.8
AC1696	9.2		1.5	1.2	9.8
AC2898	—	focus plate - poor	—		—
AC1697	< 10.9		—		—
AC656	< 10.9		—		—
AC1765	7.7		3.3	3.2	7.8
AC2964	—	impossible to measure mc. Image of variable elongated almost twice the length of other images.			
AC862	10.4 ?	F	0.6	.3	11.3
AC1770	—	plate too poor	—		—
AC2975	—	plate too poor	—		—
AC919	8.8		2.2	2.0	9.0
AC17061	8.7		2.3	2.2	8.8
AC1773	7.7 ?	Difficult to estimate on account of superposition of images	3.3	3.2	7.8
AC 3035	8.8	F - poor plate	2.2	2.0	9.0
AC1800	7.6		3.4	3.4	7.6
AC957	—	plate too poor	—		—
AC3060	8.8		2.2	2.0	9.0
AC 960	8.5		2.5	2.4	8.6
AC3074	8.8		2.2	2.0	9.0
AC1843	7.6	i	3.4	3.4	7.6
AC 17146	8.8		2.2	2.0	9.0
AC 3078	8.8		2.2	2.0	9.0
AC1912	7.8		3.2	3.1	7.9

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1916phae.proj.1160R

Friday. Sept 22, 1916

Estimates of Magnitude of R Cassiopeiae

Plate No	Magn	Remarks	M	m	Tau
AC 3127	9.1	i	1.9	1.6	9.4
AC 1991	7.7		3.3	3.2	7.8
AC 3168	9.2 ?	Defect near	1.8	1.6	9.4
AC 1996	8.4	i	2.6	2.5	8.5
AC 3204	9.5		1.5	1.2	9.8
AC 2019	8.3		2.7	2.6	8.4
AC 975	—	plate too poor	—		—
AC 384	8.6		2.4	2.3	8.7
AC 2063	8.5		2.5	2.4	8.6
AC 996	—	plate too poor	—		—
AC 2077	8.8		2.2	2.0	9.0
AC 385	8.8		2.2	2.0	9.0
AC 2085	8.8		2.2	2.0	9.0
AC 1001	8.8 ?	multiple image	2.2	2.0	9.0
AC 386	8.8		2.2	2.0	9.0
AC 2141	9.2		1.8	1.6	9.4
AC 1094	10.4	o < q	0.6	.3	11.3
AC 387	8.7	i	2.3	2.2	8.8
AC 2153	9.1		1.9	1.6	9.4
AC 1119	10.4 ?	F	0.6	.3	11.3
AC 2188	9.5		1.5	1.2	9.8
AC 1161	—	wrong region	—		—
AC 2650	< 10.9		—		—
AC 1206	—	Writing on plate	—		—
AC 388	—	wrong region	—		—
AC 2684	< 10.9		—		—
AC 1207	—	plate too poor	—		—
AC 2751	10.9		0.1	2.6	13.6

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1916phae.proj.1160R

Friday, Sept 22, 1916

Estimates of Magnitude of P Cassiopeiae

Plate No	Mag	Remarks	M	m	Var
AC 389	8.8		2.2	2.0	9.0
AC 13627	< 10.9		—		—
AC 11200	8.8		2.2	2.0	9.0
AC 12298	10.9 ?	F	0.1	2.6	13.6
AC 11879	ns < 9.6		—		—
AC 13307	10.9 ?	F	0.1	2.6	13.6
I 34526	—	to near edge			
I 34587	7.8				
I 35506	—	ff edge			
I 35511	11.8				
I 35512	11.9				
I 35348	14.4 ??	very faint.			
I 36027	ns < 11.8	dyfnt – Plate dark			
I 35057	9.9				
I 36141	ns < 12.8				
I 36158	ns < 12.1				
I 36159	—	to near edge			
I 37336	ns < 13.3				

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1916phae.proj.1160R

Saturday, Sept. 23, 1916

Estimates of Magnitude of T R Cassiopeiae

Plate No	Magn	Remarks
C 12213	10.3	
MC 3701	9.7	
MC 9350	9.5	
MC 5997	8.0	Very difficult because so bright (See J. 134)
MC 8956	12.9	
MC 8992	12.7	
MC 9123	11.8.	
MC 6090	7.6	
MC 9020	13.0	
MC 6543	7.0	
A 6213	—	Off the edge
A 6201	~~12.2~~ 13.1	
A 6192	—	Off the edge
A 6123	—	Off the edge
A 767	—	Off the edge

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1916phae.proj.1160R

Monday, Oct 16, 1916

Rerstimates of R Camelopardalis

Plate No	Mag	Remarks
AC 9594	10.3	Star previously measured by MT very close to position of variable —
AC 9964	10.6	

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Monday, Oct 16, 1916

Re-estimates of T Ceti

Plate No	Wagn	Remarks
AT 10360	~~9.0~~ 9.6	Hagy + Hunt.

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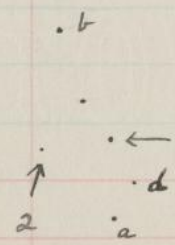
Thursday, Oct 19, 1916

Below is a statement of my examination of two ~~variables~~ stars suspected of variability by Mr. Hoett. I examined the plates on Friday, Oct 13.

The brighter of the two suspected variables is in Appox. Pos. $4^h\ 34^m\ +74^\circ$ (1855); the fainter is in Appox. Pos. $4^h\ 37^m\ +74^\circ$ (1855).

Plates examined

I19775	Dec. 16, 1897
I20007	Jan 8, 1898
I22188	Jan 23, 1899
I33628	Nov. 8, 1905
I33631	Nov 8, 1905
I35140	Jan 30, 1908
I37033	Jan. 15, 1911
AC16833	Oct. 11, 1915
AC16842	Oct. 13, 1915
AC16851	Oct. 16, 1915
AC16870	Oct. 23, 1915
AC16879	Oct. 24. 1915
AC16932	Nov. 5, 1915
AC16978	Nov. 12, 1915
AC17038	Nov. 26, 1915
AC17101	Dec. 11, 1915
AC17103	Dec. 11, 1915
AC17203	Jan 8, 1916
AC17285	Jan 28, 1916
AC17295	Feb. 7, 1916



The brighter of the stars, which I have called (1), in the diagram, seems to be between stars a and b. On AC 16870 (1) seemed to be a very little fainter than usual, but I find no such change confirmed on the other plates.

The fainter of the stars, which I have called (2) in the diagram, is about equal in brightness to the star d. On AC 17038, 17101, 17364, and 17935 (2) seemed slightly brighter than d, on AC 17366 and 17103, slightly fainter, but on all the others there was no change

(over)

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1916phae.proj.1160R

Thursday, Oct 19, 1916.

AC 17364	Feb. 29, 1916	any kind. These slight
AC 17366	" " "	differences were not at all
AC 17380	Mch 4, 1916	certain.
AC 17388	Mch 9, 1916	I do not consider either
AC 17504	Apr. 10, 1916	star a variable, the
AC 17524	Apr. 15, 1916	slight changes probably
AC 17576	May 9, 1916	being due to photographic
AC 17700	June 30, 1916	causes.
AC 17776	Aug 13, 1916	
AC 17878	Sept 13, 1916	
AC 17935	Sept 25, 1916	
AC 17947	Sept 27, 1916	

Miss Leavitt has examined these plates and agrees with the conclusions above; i.e., as shown by these plates, neither star is variable to exceed $^{m}0.2$.

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9

Wednesday. Oct 25, 1916

9h15m Estimates of Magnitude of R Cassiopeiae -

Plate No	Magn	Remarks -
AI 14377	8.8	
AI 14405	8.7	
AI 14308	8.8	
AI 13064	—	wrong region
AI 11729	—	plate too poor
AI 11711	9.5	f
AI 11069	9.8	
AI 11079	ns < 8.9	
AI 11782	9.7	
AI 14317	8.8	
AI 11792	ns < 8.9	
AI 8448	9.0 ?	I is so close to K it is difficult to use it in estimates
AI 14193	8.8	
AI 14262	8.4	
AI 13002	—	wrong region
AI 11491	9.4	
AI 11030	9.7	
AI 14236	8.4	
AI 11832	ns < 9.6	
AI 6071	8.2 ?	Kand I are so close estimates involving them are difficult.
AI 14466	9.4	
AI 14543	9.5	
AI 12867	7.4	
AI 14503	9.5	
AI 11873	9.8	
AI 13057	7.7	
AI 9413	ns < 10.0	
AI 11006	ns < 9.6	

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1916phae.proj.1160R

Wednesday Oct. 25, 1916

Estimates J R Cunningham

Plate No	Magn	Remarks.
AI 14550	9.5	
AI 14289	8.4	
AI 11846	9.9	

10:45

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1916phae.proj.11600

Saturday, Oct 28. 1916

See B29105 for sequence recalled + identified

Scale V

Comparison Star Sequence for Mrs. Metcalf's Variable

12:00 AM ~~9705~~ 6955. -25° 9286

		ScB 68	ScC	ScC	Mean	SJ.
α	a	6.7	6.8		6.80 00	K_0
β	b	F	7.5			F_0
γ	c	F	7.7			G_5-
δ	d	F	7.8			K_0
	a		7.1			A_3
	b		7.4			
	c		7.7 7.6			
	d		~~7.8~~			G_5-
	e		7.9			F_2
	f		7.9			
	g		8.4	8.2	8.30 11	
	h		8.6	8.9	8.75 ± 1	
*	k		8.1	7.9	8.00 11	
	l		9.2	9.2	9.20 00	
	m		9.4	9.5	9.45 01	
	n		9.6	9.6	9.60 00	
	o		9.7	9.8	9.75 01	
	p		9.8	9.9	9.85 01	

* Reject - Defect superposed on star image.

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1916phae.proj.1160R

Saturday, Oct 28, 1916

Scale V

AM 8371 – Sequence for –25° 9288

	ScB	ScC	ScC	Mean	
a	4.7 4.6				
	6.2				
β	6.1				
	5.9 5.6				
γ	6.0				
	5.9				
δ	5.8				
a	5.7				
b	6.4 6.3				
	6.6				
c	6.5	6.4		6.5011	
	6.4				
d	6.3	6.1		6.2512	
	6.5				
e	6.4	6.4		6.4510	
	6.8				
f	6.7	6.8		6.8000	
	7.0				
g	6.9	7.3		7.1502	
h*	6.9	7.6			
i	F	7.8			
l		8.3	7.9	8.1022	
m		8.2	8.3	8.2501	
n		8.8	8.7	8.7510	
o		8.6	8.6	8.6000	diffuse
p		9.2	8.9	9.0523	

* image defective – reject

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1916phae.proj.1160R

Saturday. Oct 28, 1916

Scale 1.

Sequence marked on this plate

All 3503 — Sequence fr −25° 9286

	Sc B	Sc C	S.C Mean	
	6.2			
α	6.1			
	6.9			
β	6.8			
	6.8			
Images	6.7			
all	7.0			
	6.9			
slightly	6.5			
	6.4			
elongated	6.9			
	6.8			
c	7.0			
	6.9	6.9		6.95 10
d	7.1			
	7.0	7.1		7.1000
e	F	7.6		
f	F	7.8		
g		7.9		
h		8.3		
k		8.5		
l		8.7		
m		8.9		
n		9.2	9.2	9.2000
o		9.3	9.4	9.3501
p		9.5	9.6	9.5501

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1916phae.proj.1160R

Saturday, Oct 28, 1916

Scale V

12:55

AM 3548 – Sequence Jn −25° 9288

~~mag - Grade~~ ~~Grade mag Ce~~ · mag ·		Sc B	Sc C	Sc E	Mean	Sp. J.77	Sp. J.78	Sp. J.79	Mean Interval	Sp.	Sum of Scale Intervals
~~8.93~~	d	6.4 6.3			6.40	6.80	4.7	6.2			0.00
~~8.38~~		7.0 6.9			7.00 .60	7.5 70	6.2 150	6.9 .70	.88 28 18 72 18	K_0	0.88
	β	6.9			6.90 10 00	7.7 20	5.9 30	6.8 10	.08 02 28 23 02	F_0	0.80
	γ	6.8	6.9		7.2 30	7.8 10	6.0 10	7.0 20	18 12 08 08 02	G_5	0.98
	δ	F	7.2		6.55 01	7.1 10	5.8 20	6.5 50	51 14 19 31 01	K_0	0.47
		6.5				6.5					
	a	6.4	6.6		6.75 10	7.4 30	6.4 60	6.9 40	38 18 08 22 02	A_3	0.85
8.08	b	6.8 6.7	6.7		6.90 00	7.7 30	6.50 10	6.95 05	15 00 15 05 10		1.00
8.26	c	6.9 6.8	6.9		7.05 01	7.6 10	6.25 25	7.10 15	01 16 09 24 16		0.99
8.33	d	7.0 6.9	7.1		7.6 55	7.9 30	6.45 20	7.6 50	39 16 09 19 11	G_5	1.38
8.24	e	F	7.6		7.7 10	7.9 00	6.80 35	7.8 20	16 06 16 19 04	F_2	1.54
8.23	f		7.7		7.7 20	8.30 40	7.15 35	7.9 10	26 06 14 09 16		1.80
8.22	g		7.9		8.1 20	8.75 45	.	8.3 40	35 15 10 a 05		2.15
8.28	h		8.1		8.2 10	*8.00 25	7.8	8.5 20	15 05 a a 05		2.30
8.43	k		8.2		8.3 10	9.20 +20	8.10 30	8.7 20	20 10 a 10 00		2.50
8.45	l		8.3		8.85 01	9.45 25	8.25 15	8.9 20	29 26 04 11 09		2.79
8.63	m	8.8	8.9		8.55 01	9.60 15	8.75 50	9.20 30	24 24 09 26 06		3.03
8.52	n	8.9	8.8		9.00 11	9.75 15	8.60 15	9.35 15	08 07 07 23 07		3.11
8.55	o	9.1	8.9		9.20 00	9.85 10	9.05 45	9.55 20	24 04 14 21 04		3.35
8.60	p	9.2	9.2								
8.69											
8.62											
11.73											
8.66											
8.70											
12.05											

*Reject – see J.77

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1910phae.proj.11600

Used by S. Raymond for Migrations Mp 82-111

Phm.	Sp. Cor.*	Cor. Magn.	Diff.	Cu		Magn.	C.D.M. No.	R.A. 1900	δ 1900
7.46	+1.05	8.51	8.51	8.51	α	8.51	3399	12h 28.8	-22 59
9.05	+0.29	9.34	8.46	8.80	β	9.68	9232	20.3	-25 9
8.88	+0.82	9.70	8.90	8.78	γ	9.58	10411	27.1	-25 5
9.20	+1.05	10.25	9.27	8.83	δ	9.81	10452	32.4	-24 58
8.90	+0.10	9.00	8.53	8.68	a	9.15	9201	17.6	-25 8
				8.18	b	9.63			
				8.83	c	9.83			
9.20	+0.82	10.02	9.03	8.83	d	9.82	10340	20.5	-25 1
9.80	+0.36	10.16	8.78	8.97	e	10.35	10451	32.3	-25 4
				9.01	f	10.55			
				9.08	g	10.88			
				9.19	h	11.34			
				9.24	k	11.54			
				9.29	l	11.79			
				9.39	m	12.18			
				9.46	n	12.49			
				9.49	o	12.60			
				9.56	p	12.91			

* Spectrum Correction applied above is .95 value given in H.A. 71. No. 1, Table I.

1 This number is not C.D.M., but B.D.

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1916phae.proj.1160R

Monday, Oct 30, 1916

Mr. Mitchell's Variable -25° 9286

Plate No.	Comp	Remarks
✓ AM 8410	11.34 10.46 9.78 v 3 h 10.55 10.48 10.16 10.96 f 7 v 11.25 11.04 [? > h] 10.32 16 16 11.14 11 10 ✓	Effect near q
✓ AM 10981	10.70 11.54 k 2 v 10.90 10.44 11.74 11.29 10.44 10.94 11.29 v 5 l 11.79	Images large & hazy 10.67 23 23 11.52 22 23 ✓
✓ AM 8467	10.04 10.88 q 1 v 10.14 9.96 10.05 09 09 10.98 10.84 10.91 07 07 ✓ 9.96 10.84 v 5 ± h 10.46 11.34	
✓ AM 4824	10.70 11.54 k 1 v 10.80 10.64 11.64 11.49 [? < h] 10.72 08 08 11.56 08 07 ✓ 10.64 11.49 v 3 l 10.94 11.79	
✓ AM 10478	— 9	Plate is poor ✓
✓ AM 4155	9.78 10.55 f 2 v 9.98 10.75 9.74 10.55 9.86 10.65 12 10 10 ✓ 9.74 10.55 v 3 q 10.04 10.88	
AM 8832	[? < q = 10.88]	

Re-reduced by M. P. A. Feb. 19, 1920 using mean "Mag." derived from comparison with 152 Y * Mag. on p. 81

b 9.00
c 9.24
d 9.27
e 9.62
f 9.78
q 10.84
h 10.46
k 10.70
l 10.94
m 11.32
n 11.60
o 11.76
p 12.03

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1916phae.proj.11608

Tuesday, Oct. 31, 1916

Mr. Metcalf's Variable — 25° 9286.

11:30 Plate Ior Comp. Remarks

AM 8832 — 10.70 10.90 10.77 64 10.77 13 13
11.54 K 2 V 11.74 11.49 11.62 12 11 ✓
10.64 10.94
11.49 V 3 f 11.79

AM 10403 — ~~2~~ 9.24 9.74 9.42 9.58 16 16
~~2~~ ~~3~~ V 9.83 C 5 V 10.33 10.15 10.24 09 09 ✓
~~V 5~~ 9.42 9.62
~~10.15~~ V 2 e 10.35

AM 10573 — I wages too fore ✓

AM 7420 — 10.04 10.24 10.36 10.30 06 06
10.88 g 2 V 11.08 11.24 11.16 08 08 ✓
10.36 10.46
11.24 V 1 h 11.34

AM 9075 — Flu defective ✓

AM 10705 — 9.78 10.18 9.84 10.01 17 17
10.55 f 4 V 10.95 10.68 10.82 13 14 ✓
9.84 10.04
10.68 V 2 g 10.88

AM 7426 — Defects our region ✓

AM 9165 — 10.70 10.80 10.64 10.72 08 08
11.54 K 1 V 11.64 11.49 11.58 08 07 ✓
10.64 10.94
11.49 V 3 f 11.79

AM 10547 — 9.78 10.18 9.84 10.01 17 17
10.55 f 4 V 10.95 10.68 10.82 13 14 ✓
9.84 10.04
10.68 V 2 g 10.88

AM 7500 — 10.70 10.90 10.84 1089 03 03
11.54 K 2 V 11.74 11.69 11.72 02 03 ✓
10.84 10.94
11.69 V 1 f 11.79

AM 9280 — 10.04 10.34 f
10.88 g 3 V 11.18 =10.46
h not seen 11.34

AM 9705 — 10.70 10.90 10.74 10.82 08 08
11.54 K 2 V 11.74 11.59 11.66 08 07 ✓
10.74 10.94
11.59 V 2 f 11.79

AM 8055 — Plate Ior poor ✓

AM 2643 — 10.04 10.44 10.26 10.35 09 09
10.88 g 4 V 11.28 11.14 11.21 07 07 ✓
10.26 10.46
11.14 V 2 h 11.34

AM 9993 — 10.04 10.34 10.06 10.20 14 14
10.88 g 3 V 11.18 10.94 11.06 12 12 ✓
10.06 10.46
10.94 V 4 h 11.34

AM 8069 — Plate Ior poor ✓

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1916phae.proj.1160R

Tuesday, Oct 31, 1916

Mr. Metcalf's Variable −25° 9286

Plate No	Comp.	Remarks
AM 9833	—	yellow ✓
✓AM 6261	10.46 11.34 h 2 ✓ 10.66 11.54 / 10.60 11.44 / 10.63 11.49 02 05 03 03 ✓ 10.60 11.44 ✓ 1 K 10.70 11.54	
AM 8089	—	images bad ✓
✓AM 9882	9.62 10.35 e 1 ✓ 9.72 10.45 / 9.68 10.45 / 9.70 10.45 02 00 02 00 ✓ 9.68 10.45 ✓ 1 f 9.78 10.55	
✓AM 1283	9.27 9.82 d 3 ✓ 9.57 10.12 / 9.42 10.15 / 9.50 10.14 07 02 08 01 ✓ ~~✓ 1 f~~ 9.42 10.15 ✓ 2 e 9.62 10.35	
✓AM 8136	10.70 11.54 K 2 ✓ 10.90 11.74 / 10.74 11.59 / 10.82 11.66 08 08 07 07 ✓ 10.74 11.59 ✓ 2 l 10.94 11.79	
✓AM 9886	9.27 9.82 d 3 ✓ 9.57 10.12 / 9.62 / 9.60 03 02 9.62 ✓ 1 e 9.62 10.35	
✓AM 4363	~~f 1 ✓~~ 10.04 10.88 g 1 ✓ 10.14 10.26 10.20 06 06 10.98 11.14 / 10.06 08 08 ✓ 10.26 11.14 ✓ 2 h 10.46 11.34 10.24 11.08	
✓AM 8163	10.04 10.88 g 2 ✓ ~~12.88~~ 10.26 10.25 01 01 11.14 11.11 03 03 ✓ 10.26 11.14 ✓ 2 h 10.46 11.34	
✓AM 9902	9.62 10.35 e 1 ✓ 9.72 10.45 / 9.48 10.25 / 9.60 10.35 12 10 12 10 ✓ 9.48 10.25 ✓ 3 f 9.78 10.55	
✓AM 2709	10.~~46~~ 11.34 h 2 ✓ 10.66 11.54 / 10.60 11.44 / 10.63 11.49 03 05 03 05 ✓ 10.60 11.44 ✓ 1 K 10.70 11.54	
✓AM 8194	9.27 9.82 d 3 ✓ 9.57 10.12 / 9.42 10.15 / 9.50 10.14 07 02 08 03 ✓ 9.42 10.15 ✓ 2 e 9.62 10.35	
✓AM 9998	10.46 11.34 h 2 ✓ 10.66 11.54 / 10.60 11.64 / 10.63 11.59 03 05 03 05 ✓ 10.60 11.64 ✓ 1 K 10.70 11.54	
✓AM 6966	10.70 11.54 K 2 ✓ 10.90 11.74 / 10.74 11.59 / 10.82 11.66 08 08 08 07 ✓ 10.74 11.59 ✓ 2 l 10.94 11.79	

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Tuesday. Oct 31, 1916

Mr. Mitchell's Variable -25° 9288.

Plate No.	Comp			Remarks
✓ AM 8303	10.46 / 11.34 h 2 V	10.66 / 11.54	10.60 / 11.44	10.63 03 03 / 11.49 05 05 ✓
	10.60 / 11.44 V 1 K	10.70 / 11.54		
✓ AM 10012	9.27 / 9.82 d 3 V	9.57 / 10.12	9.42 / 10.15	9.50 07 08 / 10.14 02 01 ✓
	9.42 / 10.15 V 2 e	9.62 / 10.35		
✓ AM 10338	10.70 / 11.54 K 1 V	10.80 / 11.64	10.74 / 11.59	10.77 03 03 / 11.62 02 03 ✓
	10.74 / 11.59 V 2 f	10.94 / 11.79		
✓ AM 10990	10.46 / 11.34 h 1 V	10.56 / 11.44	10.50 / 11.34	10.53 03 03 / 11.39 05 05 ✓
	10.50 / 11.34 V 2 K	10.70 / 11.54		
✓ AM 10434	10.94 / 11.79 l 1 V	10.04 / 11.89	11.12 / 11.99	11.08 04 04 / 11.94 05 05 ✓
	11.12 / 11.99 V 2 m	11.32 / 12.18		
✓ AM 2770	10.46 / 11.34 h 2 V	10.66 / 11.54	10.60 / 11.44	10.63 03 03 / 11.49 05 05 ✓
	10.60 / 11.44 V 1 K	10.70 / 11.54		
✓ AM 11796	10.70 / 11.54 K 1 V	10.80 / 11.64	10.74 / 11.59	10.77 03 03 / 11.62 02 03 ✓
	10.74 / 11.59 V 2 l	10.94 / 11.79		
✓ AM 10440	10.94 / 11.79 l 1 V	11.04 / 11.89	11.12 / 11.98	11.08 04 04 / 11.94 05 04 ✓
	11.12 / 11.98 V 2 m	11.32 / 12.18		
✓ AM 10619	10.46 / 11.34 h 1 V	10.56 / 11.44	10.50 / 11.34	10.53 03 03 / f 11.39 05 05 ✓
	10.50 / 11.34 V 2 K	10.70 / 11.54		
– AM 10503	——			Yellow – ✓
~~✓~~ AM 11871	10.04 / 10.88 g 3 V	10.34 / 11.18	10.36 / 11.24	10.35 01 01 / 11.21 03 03 ✓
	10.36 / 11.24 V 1 h	10.46 / 11.34		
✓ AM 10074	n s [K	10.70 / 11.54 ✓		
✓ AM 11898	10.70 / 11.54 K 2 1 V	10.80 / 11.64	10.74 / 11.59	10.77 03 03 / 11.62 02 03 ✓
	10.74 / 11.59 V 2 k	10.94 / 11.79		
– AM 9814	——			Yellow ✓
✓ AM 9033	10.46 / 11.34 h 3 V	10.76 / 11.64	10.60 / 11.44	10.68 08 08 / 11.54 10 12 ✓
	10.60 / 11.44 V 1 K	10.70 / 11.54		

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Tuesday, Oct 31, 1916

Mr. Metcalf's Variable

Plate No	Comp.				Remarks
✓AM10754	10.04 10.88 g 2 v	10.24 11.08	10.26 11.14	10.25 01 01 11.11 03 03	✓
	10.26 11.14 v 2 h	10.46 11.34			
✓AM3503	10.46 11.34 h 1 v	10.56 11.44	10.50 11.34	10.53 03 03 11.39 05 05	✓
	10.60 11.34 v 2 K	10.70 11.54			
✓AM10374	10.70 11.54 K 1/2 v	10.90 11.74	10.74 11.59	10.82 08 08 11.66 08 07	✓
	10.74 11.59 v 2 f	10.94 11.79			
✓AM10829	10.46 11.34 h 1 v	10.56 11.44	10.50 11.34	10.53 03 03 11.39 05 05	✓
	1050 11.34 v 2 K	10.70 11.54			
✓AM8371	10.70 11.54 K 1 v	10.80 11.64	10.74 11.59	10.77 03 03 11.62 02 03	✓
	10.74 11.59 v 2 f	10.94 11.79			
✓AM8861	10.46 11.34 h 2 v	10.66 11.54	10.60 11.44	10.63 03 03 11.49 05 05	✓
	10.60 11.44 v 1 K	10.70 11.54			
✓AM10646	9.27 9.82 d 3 v	9.57 10.12	9.22 9.95	9.40 17 18 10.03 09 08	✓
	9.22 9.95 v 4 e	9.62 10.35			
✓AM5947	9.27 9.82 d 2 v	9.47 10.02	9.32 10.05	9.40 07 08 10.04 02 01	✓
	9.32 10.05 v 3 e	9.62 10.35			
✓AM10659	10.04 10.88 g 3 v	10.34 11.18	10.26 11.14	10.30 04 04 11.16 02 02	✓
	10.26 11.14 v 2 h	10.46 11.34			
✓AM8889	9.78 10.56 f 3 v	10.08 10.85	9.94 10.78	10.01 07 07 10.82 03 04	✓
	9.94 10.78 v 1 g	10.04 10.88			
✓AM6955	10.46 11.34 h 2 v	10.66 11.54	10.60 11.44	10.63 03 03 11.49 05 05	✓
	10.60 11.44 v 1 K	10.70 11.54			
✓AM8926	9.62 10.35 e 3 v	9.92 10.65	9.68 10.45	9.80 12 12 10.55 10 10	✓
	9.68 10.45 v 1 f	9.78 10.55			
–AM10737	—				defects over region ✓
✓AM3548	9.27 9.82 d 3 v	9.57 10.12	9.52 10.25	9.54 03 02 10.18 06 07	✓
	9.52 10.25 v 1 e	9.62 10.35			

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Tuesday, Oct 31, 1916

Mr. Mitchell's Variable -25° 9246.

AM Plate No.		Comp.		Remarks.
✓AM8996	9.78 10.55 f3 v 9.84 10.68 v2 9 10.70 11.54 K f2 v 10.84 11.69 v1 l	10.08 9.84 9.96 12 12 10.88 10.68 10.78 10 10 ✓ 10.04 10.88 10.90 10.84 10.87 03 03 11.74 11.69 11.72 02 03 ✓ 10.94 11.79		
✓1228	10.70 11.54 K 1 V 10.74 11.59 v2 l	10.80 10.74 10.77 03 03 11.64 11.59 11.62 02 03 ✓ 10.94 11.79		
✓3307	10.70 11.54 K 1 V 10.74 11.59 v2 l	10.80 10.74 10.77 03 03 11.64 11.59 11.62 02 03 ✓ 10.94 11.79		

6 1 16

12:45

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1916phae.proj.1160R

Saturday, Nov. 4, 1916

Estimates of Mr. Metcalf's Variable -25° 9286.

Plate No | ~~No~~ Comp. | Remarks -

AM1259

Interrupted before observations could be made -

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1916phae.proj.1160R

Wednesday, Nov. 15, 1916

Estimates of Mr. Metcalf's Variable – 25° 9256

2:30	Plate No	Comp	Remarks
	A11259		

Interrupted before observations could be made –

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1916phae.proj.1160R

Monday, Nov. 20, 1916

Mr. Metcalf's Variable - −25° 9288

	Plate No	Comp.				Remarks
9:55	AM1259	10.04 10.88 g 4 V	10.44 10.26 10.35 09 09 11.28 11.14 11.21 07 07			V
		10.26 11.14 v 2 h	10.46 11.34			
	AM7426	10.70 11.54 K 3 V	11.00 10.84 10.92 08 08 11.84 11.69 11.76 08 07			V
		10.84 11.69 v 1 l	10.94 11.79			
	AM3369	10.04 10.88 g 5 V	10.54 10.36 10.45 09 09 11.38 11.24 11.31 07 07			V
		10.36 11.24 v 1 h	10.46 11.34			
	AM1275	9.24 9.83 c 4 V	9.64 9.52 9.58 06 06 10.23 10.25 10.24 01 01			V
		9.52 10.25 v 1 e	9.62 10.35			
	AM6116 ~~AM6149~~	9.62 10.35 e 2 V	9.82 9.68 9.75 07 07 10.55 10.43 10.50 05 05			V
		9.68 10.45 v 1 f	9.78 10.55			
	AM3388	10.04 10.88 g 2 V	10.24 10.16 10.20 04 04 11.08 11.04 11.06 02 02			V
		10.16 11.04 v 3 h	10.46 11.34			
	AM1476	10.46 11.34 h 1 V	10.56 10.40 10.48 08 08 11.44 11.24 11.34 10 10			V
		10.40 11.24 v 3 K	10.70 11.54			
	AM5548	10.46 11.34 h 3 V	10.76 10.60 10.68 08 08 11.64 11.44 11.54 10 10			V
		10.60 11.44 v 1 K	10.70 11.54			
10:50						
12:20	AM2528	10.70 11.54 K 2 V	10.90 10.74 10.82 08 08 11.74 11.59 11.66 08 07			V
		10.74 11.59 v 2 f	10.94 11.79			
	AM793	9.78 10.55 f 2 V	9.98 9.88 ~~9.93~~ 07 07 ~~04 05~~ 10.75 10.68 10.72 03 04			V
		9.88 10.68 v 2 g	10.04 10.88			
	AM5995	—				Plate too poor V
	AM2508	10.46 11.34 h 4 V	10.86 10.60 10.73 13 13 11.74 11.44 11.59 15 15			V
		10.60 11.44 v 1 K	10.70 11.54			
	AM845	—				Isolumatic V

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Monday, Nov. 20, 1916

Mr. Nutcalf's Variable. −25° 9288.

Plate No	Comp	Remarks
AM6041		Plate Too low
AM2587	10.70 11.54 K1V 10.80 10.74 10.77 03 03 / 11.64 11.59 11.62 02 03 / 10.74 11.59 V2f 10.94 11.79	
AM1158	10.04 10.88 g1V 10.14 10.06 10.10 04 04 / 10.98 10.94 10.96 02 02 / 10.06 10.94 V4h 10.46 11.34	
AM6080	9.78 10.55 f1V 9.88 9.84 9.86 02 02 / 10.65 10.68 10.66 01 02 / 10.84 10.68 V2g 10.04 10.88	
AM2805	9.24 9.83 c4V 9.64 9.42 9.53 11 11 / 10.23 10.15 10.19 04 04 / 9.42 10.15 V2e 9.62 10.35	
AM465	10.46 11.34 h3V 10.76 10.60 10.68 08 08 / 11.64 11.44 11.54 10 10 / 10.60 11.44 V1K 10.70 11.54	
AM381	10.46 11.34 h4V 10.86 10.60 10.73 13 13 / 11.74 11.44 11.59 15 15 / 10.60 11.44 V1K 10.70 11.54	
AM4292	10.46 11.34 h4V 10.86 10.60 10.73 13 13 / 11.74 11.44 11.59 15 15 / 10.60 11.44 V1K 10.70 11.54	
AM2099	10.04 10.88 g3V 10.34 10.26 10.30 04 04 / 11.18 11.14 11.16 02 02 / 10.26 11.14 V2h 10.46 11.34	
AM5292	10.70 11.54 K1V 10.80 10.74 10.77 03 03 / 11.64 11.59 11.62 02 03 / 10.74 11.59 V2f 10.94 11.79	
AM396	10.70 11.54 K2V 10.90 10.74 10.82 08 08 / 11.74 11.59 11.66 08 07 / 10.74 11.59 V2f 10.94 11.79	
AM2116	9.24 9.63 c4V 9.64 9.42 9.53 11 11 / 10.23 10.15 10.19 04 04 / 9.42 10.15 V2e 9.62 10.35	
AM5353	10.04 10.88 g1V 10.14 10.16 10.15 01 01 / 10.98 11.04 11.01 03 03 / 10.16 11.04 V3h 10.46 11.34	
AM2452	9.62 10.35 e3V 9.92 9.58 9.75 17 17 / 10.65 10.35 10.50 15 15 / 9.58 10.35 V2f 9.78 10.55	

1:00

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Monday, Nov. 20, 1916

Mr. Metcalf's Variable

1:45

Plate No	Comp.	Remarks
–AM740	—	Plate too poor ✓
✓AM5447	9.24 9.83 c3 ✓ 9.52 10.25 v1e — 9.54 10.13 9.62 10.35 — 9.52 9.53 01 01 10.25 10.19 06 06 ✓	
✓AM2480	ns < g 10.04 10.88 ✓	
✓AM783	9.62 10.35 e2 ✓ 9.58 10.35 9.82 10.55 — 9.80 10.45 12 12 10.10 ✓ 9.58 10.35 v2f 9.78 10.55	
✓AM5504	10.46 11.34 h1 ✓ 10.50 11.34 v2k 10.56 11.44 10.70 11.54 — 10.50 10.53 03 03 11.34 11.39 05 05 ✓	
–AM2494	—	Wrong region ✓
✓AM7398	9.78 10.55 f2 ✓ 9.84 10.68 9.98 10.75 — 9.84 9.91 07 07 10.72 03 04 ✓ 9.84 10.68 v2g 10.04 10.88	
✓AM7391	ns < g 10.04 10.88 ✓	
✓AM4265	10.04 10.88 g2 ✓ 10.26 11.24 v1h 10.36 11.08 10.46 11.34 — 10.24 10.30 06 06 11.24 11.16 05 08 ✓	
✓AM6902	10.70 11.54 k3 ✓ 10.74 11.59 v2l 11.00 11.84 10.94 11.79 — 10.74 10.87 13 13 11.59 11.72 12 13 ✓	
✓AM4231	9.24 9.83 c5 ✓ 9.52 10.25 v1e 9.54 10.13 9.62 10.35 — 9.52 9.63 11 11 10.25 10.29 04 04 ✓	
–AM6870	—	Plate too poor ✓
✓AM1934	10.46 11.34 h1 ✓ 10.50 11.34 v2K 10.56 11.44 10.70 11.54 — 10.50 10.53 03 03 11.34 11.39 05 05 ✓	
–AM4131	—	Rolling on plate ✓
✓AM1923	9.24 9.83 c3 ✓ 9.42 10.15 v2e 9.54 10.13 9.62 10.35 — 9.42 9.48 06 06 10.15 10.14 01 01 ✓	
–AM6831	—	Plate too poor ✓
✓AM4054	10.70 11.54 he ✓ 10.74 11.59 v2l 10.80 11.64 10.94 11.79 — 10.74 10.77 03 03 11.59 11.62 02 03 ✓	

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Monday Nov. 20, 1916

Mr. Metcalf's variable

Plate No		Comp.		Remarks
✓ AM 1900	9.62	9.82	9.58 9.70 12 12	
	10.35 e 2 v	10.55	10.35 10.45 10 10	✓
	9.58	9.78		
	10.35 v 2 f	10.55		
— AM 3453	—		Plate too poor	✓
	10.46	10.56	10.60 10.58 08 03	
✓ AM 1800	11.34 h 1 v	11.44	11.34 11.39 05 05	✓
	10.50	10.70		
	11.34 v 2 k	11.54		
	10.70	10.80	10.54 10.67 13 13	
✓ AM 6203	11.54 k 1 v	11.64	11.39 11.52 12 13	✓
	10.54	10.94		
	11.39 v 4 l	11.99	F	
	10.46	10.76	10.60 10.68 08 08	
✓ AM 3663	11.34 h 3 v	11.64	11.44 11.54 10 10	✓
	10.60	10.70		
	11.44 v 1 k	11.54		
	10.70	10.90	10.84 10.87 03 03	
✓ AM 3684	11.54 k 2 v	11.74	11.69 11.72 02 03	✓
	10.84	10.94		
	11.69 v 1 l	11.79		
	10.70	10.90	10.74 10.82 08 08	
✓ AM 1803	11.54 k 2 v	11.74	11.59 11.66 08 07	✓
	10.74	10.94		
	11.59 v 2 l	11.79		
— AM 10470	—		Wrong region	✓
	10.46	10.76	10.50 10.63 13 13	
✓ AC 11397	11.34 h 3 v	11.64	11.34 11.49 15 15	✓
	10.50	10.70		
	11.54 v 2 k	11.54		
	9.24	9.64	9.42 9.53 11 11	
✓ AC 9379	9.83 c 4 v	10.23	10.15 10.19 04 04	✓
	9.42	9.62		
	10.15 v 2 e	10.35		
	9.78	9.98	9.74 9.86 12 13	
✓ AM 1864	10.55 f 2 v	10.75	10.58 10.66 09 08	✓
	10.74	10.04		
	10.58 v 3 g	10.88		
		10.46		
✓ AM 10577	7 s f	h 11.34		✓
	9.78	10.18	9.94	10.06 12 12
✓ AC 11439	10.55 f 4 v	10.95	10.78 very faint	10.86 09 08 ✓
	9.94	10.04		
	10.78 v 1 g	10.88		
	9.78	9.98	9.74 9.86 12 12	
✓ AC 9386	10.55 f 2 v	10.75	10.58 10.66 09 08	✓
	9.74	10.04		
	10.58 v 3 g	10.88		
	10.70	10.80	10.64 10.72 08 08	
✓ AM 1894	11.54 k 1 v	11.64	11.49 11.56 08 07	✓
	10.64	10.94		
	11.49 v 3 l	11.99		

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Monday, Nov. 20. 1916

Mr. Metcalf's Variable

Plate No	Comp			Remarks
✓AC 11472	10.46 11.34 h 2 v	10.66 11.54	10.50 11.34	10.58 08 08 11.44 10 10 ✓
	10.50 11.34 v 2 k	10.70 11.54		
✓AC 9402	10.94 11.79 l 3 v	11.24 12.09	11.12 11.98	11.18 06 06 12.04 05 06 ✓
	11.12 11.98 v 2 m	11.22 12.18		
✓AM 2013	9.78 10.55 f 2 v	9.98 10.75	9.84 10.68	9.71 07 07 10.72 03 04 ✓
	9.84 10.68 v 2 g	10.04 10.88		
✓AC 11498	10.04 10.88 g 3 v	10.34 11.18	10.26 11.14	10.30 04 04 11.16 02 02 ✓
	10.26 11.14 v 2 h	10.46 11.34		
✓AC 9428	10.46 11.34 h 4 v	10.86 11.74	10.60 11.44	10.73 03 03 11.59 15 15 ✓
	10.60 11.44 v 1 k	10.70 11.54		
✓AM 2043	10.70 11.54 k 2 v	10.94 11.74	10.84 11.69	10.87 03 03 11.72 02 03 ✓
	10.84 11.69 v 1 l	10.94 11.79		
✓AM 365	10.46 11.34 h 2 v	10.66 11.54	10.40 11.24	10.53 13 13 f 11.39 15 15 ✓
	10.40 11.24 v 3 K	10.70 11.54		
✓AC 9437	10.46 11.34 h 2 v	10.66 11.54	10.60 11.44	10.63 03 03 11.49 05 05 ✓
	10.60 11.44 v 1 K	10.70 11.54		
✓AM 2058	10.04 10.88 g 4 v	10.44 11.28	10.36 11.24	10.40 04 04 11.26 02 02 ✓
	10.36 11.24 v 1 h	10.46 11.34		
– AM 410	—			Too faint – near edge ✓
10 min ✓AC 9457	10.46 11.34 h 1 v	10.56 11.44	10.50 11.34	10.53 02 03 11.39 05 05 ✓
	10.50 11.34 v 2 K	10.70 11.54		
✓AM 2183	10.70 11.54 K 2 v	10.90 11.74	10.74 11.59	10.82 08 08 11.66 08 07 ✓
	10.74 11.59 v 2 l	10.94 11.79		
– AM 429	—			Image defective ✓
✓AC 10192	10.70 11.54 k 1 v	10.80 11.64	10.64 11.49	10.72 08 08 11.59 07 08 ✓
	10.64 11.49 v 3 l	10.94 11.79		
✓AM 2435	10.70 11.54 k 2 v	10.90 11.74	10.84 11.69	Faint 10.87 03 03 11.72 02 03 ✓
	10.84 11.69 v 1 l	10.94 11.79		

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Thursday, Nov. 20, 1916

Mrs. Metcalf's Variables

Declination	Comp.	Remarks
✓ AM 500	10.04 ns f g 10.88 ✓	
✓ AC 10256	10.46 10.56 10.40 10.48 08 08 11.34 h 1 v 11.44 11.24 11.34 10 10 ✓ 10.40 10.70 11.24 v 3 y 11.54	
✓ AM 2475	10.04 ns f g 10.88 ✓	
✓ AM 10746	9.62 ns f e 10.35 ✓	
✓ AM 763	10.46 10.66 10.50 10.58 08 08 11.34 h 2 v 11.54 11.34 11.44 10 10 ✓ 10.50 10.70 11.34 v 3 k 11.54	
✓ AC 10264	10.70 10.80 10.64 10.72 08 08 11.54 k 1 v 11.64 11.49 11.56 08 07 ✓ 10.64 10.94 11.49 v 3 l 11.79	
✓ AM 2505	10.70 10.90 10.84 10.87 03 03 11.54 k 2 v 11.74 11.69 11.72 02 03 ✓ 10.84 10.94 11.69 v 1 l 11.79	
✓ AM 10786	9.24 9.64 9.52 9.58 06 06 9.83 c 4 v 10.23 10.25 10.24 01 01 ✓ 9.52 9.62 10.25 v 1 e 10.35	
✓ AM 823	10.04 10.14 10.26 10.20 06 06 10.88 g 1 v 10.98 11.14 11.06 08 08 ✓ 10.26 10.46 11.14 v 2 h 11.34	
– AM 10324	—	merely long trails ✓
✓ AM 2544	9.24 9.54 9.42 9.48 06 06 9.83 c 3 v 10.13 10.15 10.14 01 01 ✓ 9.42 9.62 10.15 v 2 e 10.35	
✓ AM 867	10.70 10.80 10.74 10.82 08 08 11.54 k 2 v 11.74 11.59 11.66 08 07 ✓ 10.74 10.94 11.59 v 2 l 11.79	
✓ AC 10343	10.04 10.24 10.36 10.30 06 06 10.88 g 2 v 11.08 11.24 11.16 08 08 ✓ 10.36 10.46 11.24 v 1 h 11.34	
✓ AM 2613	10.70 10.90 10.84 10.87 03 03 11.54 k 2 v 11.74 11.69 11.72 02 03 ✓ 10.84 10.94 11.69 v 1 l 11.79	
– AC 10444	—	long trails ✓
AM 901	9.24 ns f c 9.83 ✓	

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Monday, Nov. 20, 1916

Mr. Metcalf's Variable

Plate No	Comp.					Remarks
✓ ~~AM~~ 11779	10.70 11.54	f 3 V	11.00 11.84	10.84 11.69	10.92 11.96	08 08 07 ✓
	10.84 11.69	V 1 l	10.94 11.79			
– AM 1178	—					Region covered with defects ✓
✓ AC 10448		7s f l	10.94 11.79	✓		
✓ AM 11857	9.78 10.55	f 2 V	9.98 10.75	9.74 10.58	9.86 10.66	12 12 09 08 ✓
	9.94 10.58	V 3 g	10.04 10.88			
~~AM 2682~~						
✓ AM 1181		7s f g	10.04 10.88	✓		
– AC 10454	10.46 11.34			Too near edge ✓		
✓ AM 2903	~~f 2 V~~ 10.60 11.44	h 2 V V 1 k	10.70 11.54	10.66 11.54	10.60 11.44	10.63 08 03 11.49 05 05 ✓
~~AM 1207~~						
✓ AC 10493	9.62 10.35	e 3 V	9.92 10.65	9.68 10.45	9.80 10.55	12 12 10 10 ✓
	9.68 10.45	V 1 f	9.78 10.55			
✓ AM 3337	9.24 9.83	C 3 V	9.54 10.13	9.42 10.15	9.48 10.14	06 06 01 01 ✓
	9.42 10.15	V 2 e	9.62 10.35			
✓ AC 10521	10.04 10.88	g 3 V	10.34 11.18	10.36 11.24	10.35 11.21	01 01 03 03 ✓
	10.36 11.24	V 1 h	10.46 11.34			
✓ AM 1331	10.04 10.88	g 2 V	10.24 11.08	10.16 11.04	10.20 11.06	04 04 02 02 ✓
	10.16 11.04	V 3 h	10.46 11.34			
✓ AM 3355	10.46 11.34	h 2 V	10.66 11.54	10.60 11.44	10.63 11.49	03 03 05 05 ✓
	10.60 11.44	V 1 k	10.70 11.54			
✓ AM 2685	9.62 10.35	e 1 V	9.72 10.45	9.58 10.35	9.65 10.40	07 07 05 05 ✓
	9.58 10.35	V 2 f	9.78 10.55			
✓ AM 1372	9.84 9.83	C 4 V	9.64 10.23	9.52 10.25	9.58 10.24	06 06 01 01 ✓
	9.52 10.25	V 1 e	9.62 10.35			
– AC 10608	—					Plate too poor ✓

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Mr. Mitchell's Parable

Plate No.			Comp.			Remarks
✓ AM 2812	9.62		9.72	9.68	9.70 02 02	
	10.35 e 1 V		10.45	10.45	10.45 00 00	✓
	9.68		9.78			
	10.45 V 1 f		10.55			
✓ AM 3412	10.70		10.90	10.84	10.87 03 03	
	11.54 k 2 V		11.74	11.69	11.72 02 03	✓
	10.84		10.94			
	11.69 V 1 l		11.79			
✓ AC 11310	10.04		10.16	10.26	10.20 06 06	
	10.88 q 1 V		10.98	11.14	11.06 08 08	✓
	10.26		10.46			
	11.14 V 2 h		11.34		Very faint	
✓ AM 1497	10.46		10.66	10.60	10.63 03 03	
	11.34 h 2 V		11.54	11.44	11.49 05 05	✓
	10.60		10.70			
	11.44 V 1 k		11.54			
– AC 5030	—				Plate defective in region	✓
✓ AM 3440	9.24		9.54	9.42	9.48 06 06	
	9.83 C 3 V		10.13	10.15	10.14 01 01	✓
	9.42		9.62			
	10.15 V 2 e		10.35			
✓ AM 1817	10.90		10.90	10.84	10.87 03 03	
	11.54 k 2 V		11.74	11.69	11.72 02 03	✓
	10.84		10.94			
	11.69 V 1 l		11.79			
✓ AC 16215	10.04		10.34	10.26	10.30 04 04	
	10.88 q 3 V		11.18	11.14	11.16 02 02	✓
	10.26		10.46			
	11.14 V 2 h		11.34			
✓ AM 3512	9.24		9.54	9.32	9.43 11 11	
	9.83 C 3 V		10.13	10.05	10.09 04 04	✓
	9.32		9.62			
	10.05 V 3 e		10.35			
✓ AM 6262	10.46		10.66	10.60	10.63 03 03	
	11.34 h 2 V		11.54	11.44	11.49 05 05	✓
	10.60		10.70			
	11.44 V 1 k		11.54			
✓ AM 3521	9.24		9.64	9.42	9.53 11 11	
	9.83 C 4 k		10.23	10.15	10.19 04 04	✓
	9.42		9.62			
	10.15 V 2 e		10.35			
✓ AM 4084	9.24		9.64	9.42	9.53 11 11	
	9.83 C 4 V		10.23	10.15	10.19 04 04	✓
	9.42		9.62			
	10.15 V 2 e		10.35			
✓ AM 10345	10.46		10.76	10.60	10.68 08 08	
	11.34 h 3 V		11.64	11.44	11.54 10 10	✓
	10.60		10.70			
	11.44 V 1 k		11.54			
✓ AM 3582	9.24		9.44	9.32	9.38 06 06	
	9.83 C 2 V		10.03	10.05	10.04 01 01	✓
	9.32		9.62			
	10.05 V 3 e		10.35			

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Mr. Metcalf's Variable. −25° 9288

Plate No	Comp						Remarks
AM 3636	10.46		10.76	10.60	10.68	08 08	
	11.34	h 3 V	11.64	11.44	11.54	10 10	V
	10.60		10.70				
	11.44	V 1 K	11.54				
AM 10554	10.04		10.24	10.36	10.30	06 06	
	10.88	g 2 V	11.08	11.24	11.16	08 08	V
	10.36		10.46				
	11.24	V 1 h	11.34				
AM 3696	9.24		9.64	9.52	9.58	06 06	
	9.83	c 4 V	10.23	10.25	10.24	01 01	V
	9.52		9.62				
	10.25	V 1 e	10.35				
AM 4113	10.70		10.80	10.74	10.77	03 03	
	11.54	k 1 V	11.64	11.59	11.62	02 03	V
	10.74		10.94				
	11.59	V 2 l	11.79				

4.05

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19:tophae.proj:11600

Tuesday, Nov. 21, 1916

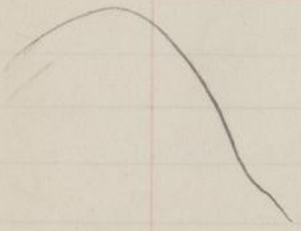
Mr. Metcalf's Variable - -25° 9286

9:15

Plate No	Comp.	Remarks
AC3279	—	Plate too black ✓
AC294	—	" poor ✓
✓AC3330	10.04 10.24 10.25 10.20 04 04 10.88 g 2v 11.08 11.04 11.06 02 02 10.16 10.46 11.04 ✓ 3h 11.34	✓

~~AM 8899~~

9:25



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Tuesday, Nov. 21, 1916

Mr. Nutall's Variable −25° 9288

9:15

Plate No	Comp.	Remarks
✓AM 8899	9.62 10.35 e 3V 9.92 10.65 9.68 10.45 9.80 10.55 12 10 12 10 ✓ 9.68 10.45 V 1 f 9.78 10.55	Faint
−AC 3331	—	Images too poor ✓
✓AC 676	9.84 9.83 c 4V 9.64 10.23 9.42 10.15 9.53 10.19 11 04 11 04 ✓ 9.42 10.15 V 2 e 9.62 10.35	
✓AC 6337	10.04 10.88 g 2V 10.24 11.08 10.26 11.14 10.25 11.11 01 03 01 03 ✓ 10.26 11.14 V 2 h 10.46 11.34	
✓AM 8927	10.04 10.88 g 1V 10.14 10.98 10.16 11.04 10.15 11.01 01 03 01 03 ✓ 10.16 11.04 V 3 h 10.46 11.34	
✓AC 3342	9.88 10.55 f 1V 9.88 10.65 9.74 10.58 9.81 10.62 07 03 07 04 ✓ 9.74 10.58 V 3 g 90.04 10.88	
−AC 714	—	Too poor in region ✓
✓AC 7249	10.46 11.34 h 2V 10.66 11.54 10.60 11.44 10.63 11.49 03 05 03 05 ✓ 10.60 11.44 V 1 k 10.70 11.54	
✓AM 8965	ns g 10.04 10.88 ✓	
✓AC 3366	10.04 10.88 g 3V 10.34 11.18 10.36 11.24 10.35 11.21 01 03 01 03 ✓ 10.36 11.24 V 1 h 10.46 11.34	
✓AC 786	10.46 11.34 h 3V 10.76 11.64 10.60 11.44 10.68 11.54 08 10 08 12 ✓ 10.60 11.44 V 1 k 10.70 11.54	Very faint
−AC 7361	—	Plate defective in region ✓
✓AM 8978	ns g 10.04 10.88 ✓	
✓AC 3401	10.04 10.88 g 2V 10.24 11.08 10.26 11.14 10.25 11.11 01 03 01 03 ✓ 10.26 11.14 V 2 h 10.46 11.34	
✓AC 839	9.78 10.55 f 3V 10.08 10.85 9.94 10.78 10.01 10.82 07 03 07 04 ✓ 9.94 10.78 V 1 g 10.04 10.88	
−AC 7394	—	Region defective ✓
✓AM 8989	9.62 10.35 e 3V 9.92 10.65 9.68 10.45 9.80 10.55 12 10 12 10 ✓ 9.68 10.45 V 1 f 9.78 10.55	

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Mr. Hartwig's Variable -25° 9286

Plate No	Comp	Remarks
-AC3442	—	Region too poor ✓
-AC883	—	" defective ✓
✓AC7482	10.04 10.88 g 3 V 10.36 11.24 V 1 h 10.46 11.34	10.34 10.36 10.35 01 01 11.18 11.24 11.21 03 03 ✓
✓AC9311	10.70 11.54 K 1 V 10.74 11.59 V 2 l 10.94 11.79	10.60 10.74 10.67 07 07 11.64 11.59 11.62 02 03 ✓
✓AC6224	10.04 10.88 g 1 V 10.16 11.04 V 3 h 10.46 11.34	10.14 10.16 10.15 01 01 10.98 11.04 11.01 03 03 ✓
-AM10037	—	Region too poor ✓
✓AM9967	9.78 10.55 f 2 V 9.84 10.68 V 2 g 10.04 10.88	9.98 9.84 9.91 07 07 10.75 10.68 10.72 03 04 ✓
-AC3167	—	Plate too poor ✓
✓AC6160	9.24 9.83 C 2 V 9.22 9.95 V 4 e 9.62 10.35	9.44 9.22 9.33 11 11 10.03 9.95 9.99 04 04 ✓
✓AM9956	9.24 9.83 C 4 V 9.52 10.25 V 1 e 9.62 10.35	9.64 9.52 9.58 06 06 10.23 10.25 10.24 01 01 ✓
✓AC6319	10.70 11.54 K 1 V 10.64 11.49 V 3 l 10.94 11.79	10.60 10.64 10.62 02 02 11.64 11.49 11.56 08 07 ✓
-AC7501	—	Plate too poor ✓
✓A1185	10.46 h 1 11.34 h 2 V 10.50 11.34 V 1 k 10.70 11.54	10.56 10.50 10.53 03 03 11.44 11.34 11.39 05 05 ✓
✓AM9046	10.70 11.54 k 2 V 10.74 11.59 V 2 l 10.94 11.79	10.90 10.74 10.82 08 08 11.74 11.59 11.66 08 07 ✓
✓AC3560	10.46 7N 5 h 11.34 ✓	
-AC1464	—	Region defective ✓
-AM9066	—	Wrong region ✓
✓AC7525	9.24 9.83 C 3 V 9.42 10.15 V 2 l 9.62 10.35	9.54 9.42 9.48 06 06 10.13 10.15 10.14 01 01 ✓

Assumed to be Ae

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Tuesday, Nov. 21, 1916

Mr. Nutwulf's Variable -25° 9286

Plate No	Comp.	Remarks
- AC 3580	—	Merely long trails ✓
- AC 1539	—	Poor plate ✓
- AC 7563	—	
✓AC 2149	10.46 11.34 h 3 ✓ 10.76 10.60 10.68 08 08 11.64 11.44 11.54 10 10 ✓ 10.60 11.44 v 1 k 10.70 11.54	
✓AM 9085	10.70 11.54 k 1 ✓ 10.80 10.74 10.77 03 03 11.64 11.59 11.62 02 03 ✓ 10.74 11.59 v 2 l 10.94 11.79	
✓AC 3670	10.46 11.34 h 1 ✓ 10.56 10.60 10.58 03 03 11.44 11.34 11.39 05 05 ✓ 10.60 11.34 v 2 k 10.70 11.54	Faint & poor in negs
- AC 2268	—	defect near image ✓
- AC 7626	—	Region defective ✓
~~AM 9100~~		
✓AC 4547	10.46 11.34 h 2 ✓ 10.66 10.60 10.63 03 03 11.54 11.44 11.49 05 05 ✓ 10.60 11.44 v 1 k 10.70 11.54	
✓AC 2347	10.46 11.34 h 2 ✓ 10.66 10.60 10.63 03 03 11.54 11.44 11.49 05 05 ✓ 10.60 11.44 v 1 k 10.70 11.54	
~~AM 9149~~		
✓AC 4617	10.04 10.88 ✓	
✓AC 2393	9.62 10.35 e 2 ✓ 9.82 9.68 9.70 12 12 10.55 10.35 10.45 10 10 ✓ 9.58 10.35 v 2 f 9.78 10.55	
✓AM 9158	10.46 11.34 h 1 ✓ 10.56 10.50 10.53 03 03 11.44 11.34 11.39 05 05 ✓ 10.50 11.34 v 2 k 10.70 11.54	
✓AC 4674	10.70 11.54 k 2 ✓ 10.90 10.84 10.87 03 03 11.74 11.69 11.72 02 03 ✓ 10.84 11.69 v 1 l 10.94 11.79	
- AC 8173	—	Plate too poor ✓
✓AC 2477	10.46 11.34 h 2 ✓ 10.66 10.60 10.63 03 03 11.54 11.44 11.49 05 05 ✓ 10.60 11.44 v 1 k 10.70 11.54	

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Tuesday, Nov. 21, 1916

Jan. Just call's Variable −25° 9256

Plate No	Comp							Remarks
✓AC4724	9.62		9.82	9.68	9.75	07	07	
	10.35	e 2 v	10.55	10.45	10.50	05	05	✓
	9.68		9.76					
	10.45	v 1 f	10.55					
✓AC2533	10.46		10.66	10.50	10.58	08	08	
	11.34	h 2 v	11.54	11.34	11.44	10	10	✓
	10.50		10.70					
	11.34	v 2 K	11.54					
✓AC8254	9.78		9.98	9.84	9.91	07	07	
	10.55	f 2 v	10.75	10.68	10.72	03	04	✓
	9.84		10.04					
	10.68	v 2 g	10.88					
✓AC8276	10.46		10.76	10.60	10.68	08	08	
	11.34	h 3 v	11.64	11.44	11.54	10	10	✓
	10.60		10.70					
	11.44	v 1 K	11.54					
✓AC2544		n 5 g	10.04					
			10.88	✓				
✓AM9254		n 5 f	10.46					
		h	11.34	✓				
✓AC4201	9.78		9.98	9.84	9.91	07	07	
	10.55	f 2 v	10.75	10.68	10.72	03	04	✓
	9.84		10.04					
	10.68	v 2 g	10.88					
✓AC8302		n 5 f	9.24					
		c	9.83	✓				
− AC2602								− Picture of Flag Pole ✓
− AM9715		—						Plate too poor ✓
− AC5850								Does not cover region ✓
✓AC8367	9.78		9.98	9.84	9.91	07	07	
	10.55	f 2 v	10.75	10.68	10.72	03	04	✓
	9.84		10.04					
	10.68	v 2 g	10.88					
✓AC2606	10.46		10.66	10.60	10.63	03	03	
	11.34	h 2 v	11.54	11.44	11.49	05	05	✓
	10.60		10.70					
	11.44	v 1 K	11.54					
✓AM9775	10.46		10.76	10.60	10.68	08	08	
	11.34	h 3 v	11.64	11.44	11.54	10	10	✓
	10.60		10.70					
	11.44	v 1 K	11.54					
m?								
✓AC5922	10.46		10.76	10.60	10.68	08	08	
	11.34	h 3 v	11.64	11.44	11.54	10	10	✓
	10.60		10.70					
	11.44	v 1 K	11.54					
✓AC8428	10.94		11.14	11.12	11.13	01	01	✓
	11.79	l 2 v	11.99	11.98	11.98	01	00	[Surf. van < h]
	11.12		11.32					
	11.98	v 2 m	12.18					
✓AC3134	10.46		10.56	10.40	10.48	08	08	✓
	11.34	h 1 v	11.44	11.24	11.34	10	10	[> h]
	10.40		10.70					
	11.24	v 3 K	11.54					

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Tuesday. Nov. 21, 1916

Mr. Metcalf's Variable −25° 9286

Plate No	Comp.				Remarks
✓AC5962	9.24	9.64	9.42	9.58 11 11	
	9.83 C4V	10.23	10.15	10.19 04 04	✓
	9.42	9.62			
	10.15 V2e	10.35		[var > h]	
−AC8545	—				Plate defective in region ✓
	10.46	10.76	10.60	10.68 08 08	
✓AC3143	11.34 h3V	11.64	11.44	11.54 10 10	✓
	10.60	10.70			
	11.44 V1K	11.54		[var < h]	
	10.70	11.00	10.84	10.92 08 ~~08~~	
✓AC5975	11.54 K3V	11.84	11.69	11.76 08 07	✓
	10.84	10.94			
	11.69 V1l	11.79		[var < h]	
	10.70	10.90	10.~~84~~	10.87 03 ~~03~~	
✓AH9858	11.54 K2V	11.74	11.69	11.72 02 03	✓
	10.84	10.94			
	11.69 V1l	11.79			

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Wednesday, Nov. 22, 1916

Mr. Metcalf's Variable. −25° 9286

2:15

Plate No	Comp.	Remarks
✓AC9249	10.46 11.34 h 2 ✓ 10.66 10.60 10.63 03 03 / 11.54 11.44 11.49 05 05 ✓	
	10.60 11.44 ✓ 1 k 10.70 11.54	
✓AM9876	10.04 10.88 g 2 ✓ 10.24 10.16 10.20 04 04 / 11.08 11.04 11.06 02 02 ✓	
	10.16 11.04 ✓ 3 h 10.46 11.34	
✓AC6096	9.24 9.83 c 3 ✓ 9.54 9.32 9.43 11 11 / 10.13 10.05 10.09 04 04 ✓	
	9.32 10.05 ✓ 3 e 9.62 10.35	
✓AC11626	9.62 75 f e = 10.35 ✓	
✓AM6930	9.24 9.83 c 4 ✓ 9.64 9.42 9.53 11 11 / 10.23 10.15 10.19 04 04 ✓	
	9.42 10.15 ✓ 2 e 9.62 10.35	
✓AC15101	10.04 10.88 g 2 ✓ 10.24 10.16 10.20 04 04	
	10.16 11.04 ✓ 3 h 10.46 11.34	
✓AM4945	10.46 11.34 h 3 ✓ 10.76 10.60 [var > h] 10.68 08 05 / 11.54 10 10 ✓	
	10.60 11.44 ✓ 1 f 10.70 11.54	
✓AC12317	9.78 10.55 f 2 ✓ 9.98 9.84 [var < h] 9.91 07 07 / 10.75 10.68 10.72 03 04 ✓	
	9.84 10.68 ✓ 2 g 10.04 10.88	
✓AC15140	9.24 9.83 c 4 ✓ 9.64 9.42 9.53 11 11 / 10.23 10.15 10.19 04 04	
	9.42 10.15 ✓ 2 e 9.62 10.35	
✓AM6979	10.70 75 f k 11.54 ✓ 10.30 06 06 ✓	
✓AM5103	10.04 10.88 g 2 ✓ 10.24 10.36 11.16 04 04 / 11.08 11.24 [var > h] 11.34	
	10.36 11.24 ✓ 1 h 10.46 11.34	
−AC12916	—	Image defective ✓
−AC15224	—	Plate too poor
−AM5314	—	Plate covered with defects ✓
✓AM7006	10.04 10.88 g 4 ✓ 10.44 10.36 10.40 04 04 / 11.28 11.24 g 11.26 02 02 ✓	
	10.36 11.24 ✓ 1 h 10.46 11.34	
✓AC12940	10.46 11.34 h 2 ✓ 10.66 10.50 10.58 08 08 / 11.54 11.34 11.44 10 10	
	10.50 11.34 ✓ 2 k 10.70 11.54	

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Mr. McNeal's Variable

Plate No	Comp.	Remarks
AC15229	—	Plate too poor ✓
AM5367	10.46 11.34 h2V 10.66 11.54 / 10.50 11.34 / 10.58 11.44 / 08 08 / 10 10 / 10.50 11.34 V2K 10.70 11.54	✓
AC12952	9.78 10.55 f3V 10.08 10.85 / 9.94 10.78 / 10.01 10.82 / 07 03 / 07 04 / 9.94 10.78 V1g 10.04 10.88	✓
AC15921	2ns f g 10.04 10.88	✓
AM7031	10.70 11.54 K2V 10.90 11.74 / 10.74 11.59 / 10.82 11.66 / 08 08 / 07 07 / 10.74 11.59 V2l 10.94 11.79	✓
AM5412	9.78 10.55 f1V 9.88 10.65 / 10.74 10.58 / 10.8 10.62 / 07 03 / 01 04 / 10.74 10.58 V3g 10.04 10.88	✓
AC16128	10.70 11.54 K2V 10.90 11.74 / 10.74 11.59 / 10.82 11.66 / 08 08 / 07 07 / 10.74 11.59 V2l 10.94 11.79	✓
AC12961	—	Region of variable unmeasured ✓
AM5534	10.70 11.54 K2V 10.90 11.74 / 10.74 11.59 / 10.82 11.66 / 08 08 / 07 07 / 10.74 11.59 V2l 10.94 11.79	✓
AM7454	—	Region defective ✓
AC13005	10.46 11.34 h3V 10.76 11.64 / 10.60 11.44 / 10.68 11.54 / 08 10 / 10 10 / 10.60 11.44 V1K 10.70 11.54 [var h]	✓
AM5573	10.70 11.54 K2V 10.90 11.74 [var h] / 10.74 11.59 / 10.82 11.66 / 08 08 / 07 07 / 10.74 11.59 V2l 10.94 11.79	✓
AM7465	—	Defects one region ✓
AM8056	—	Plate poor ✓
AC13108	9.24 9.83 C2V 9.44 10.03 / 9.32 10.05 / 9.38 10.04 / 06 01 / 06 07 / 9.32 10.05 V3e 9.62 10.35	✓
AC14795	10.04 10.88 g3V 10.34 11.18 / 10.36 11.24 / 10.35 11.21 / 01 03 / 01 03 / 10.36 11.24 V1l 10.46 11.34	✓
AM8063	2ns f C 9.84 9.83	✓

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Mr. Metcalf's Variables

Plate No	Comp		Remarks
AC 13634	10.46 11.34 h 2 v 11.54	10.66	10.60 11.44 > 10.6 3 08 03 11.49 05 03 v Rapid var K
	10.60 11.44 v 1 K	10.70 11.54	
AC 14909	10.46 11.34 h 2 v	10.66 11.54	10.50 11.34 10.58 11.44 08 08 10 10 v
	10.50 11.34 v 2 K	10.70 11.54	[var < h]
AM 8096	—		E
~~AC 13775~~			
AC 14949	—		Yellow v
AM 8141	10.04 10.88 g 2 v	10.24 11.08	10.26 11.14 10.25 01 01 11.11 03 03 v
	10.26 11.14 v 2 h	10.46 11.34	
AM 8255	10.04 10.88 g 3 v	10.34 11.18	10.36 11.24 10.35 01 01 11.21 03 03 v
	10.36 11.24 v 1 h	10.46 11.34	
AC 14995	9.78 10.55 f 3 v	10.08 10.83	9.94 10.78 10.01 07 07 10.82 03 04 v
	9.94 10.78 v 1 g	10.04 10.88	
AM 8278	ns < c	9.24 9.83 v	
AC 13835	10.04 10.88 g 3 v	10.34 11.18	10.36 [var < h] 10.35 01 01 11.21 03 03 v
	10.36 11.24 v 1 h	10.46 11.34	
AM 8291	ns < f	9.78 10.55 v	
AM 5598	10.04 10.88 g 2 v	10.24 11.08	[var < h] 10.26 10.25 01 01 11.14 11.11 03 03 v
	10.26 11.14 v 2 h	10.46 11.34	
AM 5950	10.70 11.54 K 3 v	11.00 11.84	10.84 11.69 10.92 11.76 08 08 08 07 v
	10.84 11.69 v 1 l	10.94 11.79	
AM 8318	9.24 9.83 c 3 v	9.64 10.13	9.42 10.15 9.48 10.14 06 06 01 01 v
	9.42 10.15 v 2 e	9.62 10.35	
AC 17473	10.46 h 11.34 ~~f~~ 3 v	10.76 11.64	10.60 11.44 ? Faint 10.68 11.54 08 08 10 10 v
	10.60 11.44 v 1 ~~g~~ K	10.70 11.54	
AM 5965	—		Poor plate v
AC 13847	10.70 11.54 K 3 v	11.00 11.84	10.84 11.69 10.92 11.76 08 08 08 07 v
	10.84 11.69 v 1 l	10.94 11.79	

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Mr. McCall's Variable −25° 9286

Plate No	Comp.	Remarks
AC16383	—	Region defective
AC13923	ns f c 9.24 9.83 v	
AC15004	10.46 11.34 h 2 v 10.66 10.50 10.58 08 08 11.54 11.34 11.44 10 10 v; 10.50 11.34 v 2 k 10.70 11.54	
AM7503	—	Region defective v
AC13943	10.04 10.88 g 2 v 10.24 10.26 10.25 01 01 11.08 11.14 11.11 03 03 v; 10.26 11.14 v 2 h 10.46 11.34	
AM7553	10.04 10.88 g 3 v 10.34 10.36 10.35 01 01 11.18 11.24 11.21 03 03 v; 10.36 11.24 v 1 h 10.46 11.34	
AC16518	—	Plate fogged x
AM7575	10.46 11.34 h 2 v 10.66 10.50 10.58 08 08 11.54 11.34 11.44 10 10 v; 10.50 11.34 v 2 k 10.70 11.54	
AC17139	—	Plate too dark v
AC13984	ns f e 9.62 10.35 v	
AC14005	—	Plate too poor v
AC13020	10.04 10.88 g 3 v 10.34 10.36 10.35 01 01 11.18 11.24 11.21 03 03 v; 10.36 11.24 v 1 h 10.46 11.34	
AM7596	—	Region defective v
AC13084	9.24 9.83 c 4 v 9.64 9.42 9.53 11 11 10.23 10.15 10.19 04 04 v; 9.42 10.15 v 2 e 9.62 10.35 [var { h]	
AC17348	9.24 9.83 c 4 v 9.64 9.42 9.53 11 11 10.23 10.15 10.19 04 04 v; 9.42 10.15 v 2 e 9.62 10.35 [var { h]	
AC14023	9.24 9.83 c 5 v 9.74 9.52 9.65 11 11 10.33 10.25 10.29 04 04 v; 9.52 10.25 v 1 e 9.62 10.35	
AC13104	—	Plate poor v

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Mrs. Metcalf's Variable −25° 9286

9:00

Plate No	Comp.	Remarks
AM 8357	10.46 11.34 h 3V 10.76 10.60 10.68 08 08 11.64 11.44 11.54 10 10 ✓ 10.60 11.44 V1K 10.70 11.54 q	
AM 6022	10.46 11.34 h 2V 10.66 10.58 10.58 08 08 11.54 11.34 11.44 10 10 ✓ 10.50 11.34 V2K 10.70 11.54	
AM 4140	10.70 11.54 K 2V 10.90 10.74 10.82 08 08 11.74 11.59 11.66 08 07 ✓ 10.74 11.59 V2l 10.94 11.79	
AM 6061	—	Plate too poor ✓
AM 4186	10.70 11.54 K 2V 10.90 11.74 10.74 10.82 08 05 [var < h] 11.59 11.66 08 07 ✓ 10.74 11.59 V2l 10.94 11.79	
AM 8411	10.04 10.88 g 4V 10.44 10.36 10.40 04 04 11.28 11.24 11.26 02 02 ✓ 10.36 11.24 V1h 10.46 11.34	
AM 6092	10.04 10.88 g 3V 10.34 10.36 10.35 01 01 11.18 11.24 11.21 03 03 ✓ 10.36 11.24 V1h 10.46 11.34	
AM 4233	10.04 10.88 g 2V 10.24 10.26 10.25 01 01 11.08 11.14 11.11 03 03 ✓ 10.26 11.14 V2h 10.46 11.34	
AM 8428	10.46 11.34 h 3V 10.76 10.60 10.68 08 08 11.64 11.44 11.54 10 10 ✓ 10.60 11.44 V1K 10.70 11.54	
AM 6180	10.70 11.54 K 2V 10.90 10.74 10.82 08 08 11.74 11.59 11.66 08 07 ✓ 10.74 11.59 V2l 10.94 11.79	
AM 6859	—	Region defective ✓
AM 4288	10.46 11.34 h 3V 10.76 10.60 10.68 08 08 11.64 11.44 11.54 10 10 ✓ 10.60 11.44 V1K 10.70 11.54	
AM 8500 ✓	10.46 11.34 h 3V 10.76 11.64 [var < h] 10.60 10.68 08 08 11.44 11.54 10 10 ✓ 10.60 11.44 V1K 10.70 11.54	
AM 6211	10.70 11.54 K 2V 10.90 11.74 [var < h] 10.74 10.82 08 08 11.59 11.66 08 07 ✓ 10.74 11.59 V2l 10.94 11.79	
AM 4325	16.70 11.54 K 3V 11.00 10.84 10.92 08 08 11.84 11.69 11.76 08 07 ✓ 10.84 11.69 V1l 10.94 11.79	

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Mr. Mitchell's Variable −25° 9288

Plate No	Comp.	Remarks
AM8818		Region defective ✓
✓ AM6255	10.70 10.80 10.74 10.77 0 2 03 11.54 K1V 11.64 F 11.59 11.62 02 03 10.74 10.94 11.59 V2 l 11.79	✓
- AM6871	—	Plate Two poor ✓
- AM4759	—	" " " ✓
✓ AM8880	10.04 10.24 10.26 10.25 01 01 10.88 g 2V 11.08 11.14 11.11 03 03 10.26 10.46 11.14 V2 h 11.34	✓
✓ AM6256	10.94 11.04 11.02 11.03 01 01 11.79 l 1V 11.89 11.88 11.88 01 00 11.02 11.32 11.88 V3 m 12.18	✓
✓ AM4831	10.70 10.90 10.74 10.82 08 08 11.54 K2V 11.74 11.59 11.66 08 07 10.74 10.94 11.59 V2 l 11.79	✓
✓ AM6303	10.04 10.24 10.26 10.25 01 01 10.88 g 2V 11.08 11.14 11.11 03 03 10.26 10.46 11.14 V2 h 11.34	✓
✓ AM6357	10.94 11.14 11.12 11.13 01 01 11.79 l 2V 11.99 ? 11.98 faint 11.98 01 00 Eq. 2 11.12 11.32 11.98 V2 m 12.18	✓
✓ AM4876	10.04 10.34 10.36 10.35 01 01 10.88 g 3V 11.18 11.24 11.21 03 03 10.36 10.46 11.24 V1 h 11.34	✓
AM6837	—	Plate two poor ✓
✓ AM4911	9.24 9.64 9.42 9.53 11 11 9.83 c 4V 10.23 10.15 10.19 04 04 9.42 9.62 10.15 V2 e 10.35	✓
✓ AM6843	9.24 9.64 9.42 9.53 11 11 9.83 c 4V 10.23 10.15 10.19 04 04 9.42 9.62 10.15 V2 e 10.35	✓
AC13775	ns f g ? 10.04 1 10.88	✓
✓ AM9149	10.46 10.76 10.60 10.68 0 8 08 11.34 h 3V 11.64 F 11.44 11.54 10 10 10.60 10.70 faint 11.44 V1 K 11.54	✓
✓ AM9120	ns f h 10.46 11.34	✓ 2nd Exposure
✓ AM1207	ns f c 9.24 9.83	✓

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1910phae.proj.11600

Thursday Nov. 23, 1916

Mr. Metcalf's Variable -25° 9246

Plate No	Comp.				Remarks
✓AM2682	9.24	9.54	9.82	9.43 11 11	
	9.83 c 3v	10.13	10.05 f q	10.09 04 04 ✓	
	9.32	9.62			
	10.05 v 3 e	10.35			
✓AM6151	10.46	10.66	10.50	10.58 08 08	
	11.34 f 2 v	11.54	11.34	11.44 10 10 ✓	
	10.50	10.70			
	11.34 v 2 K	11.54			
– AM385	—				Plate fogged in center ✓
✓B29105	10.04	10.24	10.26	10.25 01 01	
	10.88 q 2 v	11.08	11.14	11.11 03 03 ✓ q f	
	10.26	10.46			
	11.14 v 2 h	11.34			
B23309	10.46	10.56	10.40	10.48 08 08 ✓	
	11.34 h 1 v	11.44	11.24	11.34 10 10 ✓	
	10.40	10.70			
	11.24 v 3 K	11.54			
B7453	10.94	11.14	11.12	11.13 01 01 ✓	
	11.79 l 2 v	11.99	11.98	11.98 01 00 ✓	
	11.12	11.32			
	11.98 v 2 m	12.18			
✓B31574	10.70	10.90	10.74	10.82 08 08	
	11.54 1 K 2 v	11.74	11.59	11.66 08 07 ✓	
	10.74	10.94			
	11.59 v 2 l	11.79			
✓AM6419	10.46	10.76	10.60	10.68 08 08	
	11.34 h 3 v	11.64	11.44	11.54 10 10 ✓	11.00
	10.60	10.70			
	11.44 v 1 K	11.54			

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1916phae.proj.1160R

Friday, November 24, 1916

R Cassiopeiae -

2:05	Plate No	Magn	Remarks
	AI 11495	8	Plate too poor
	AI 11538	ns < 8.9	
	AI 11630	9.5	
	AI 11539	8.8	? F
	AI 11601	—	Region defective
	AI 11622	9.2	
	AI 11640	9.5	
3:45			

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1010phae.proj.11600

Saturday. November 25, 1916

R Cassiopeiae.

9:10–	Plate No	Magn	Remarks
	AI 11648	9.5	
	AI 11656	—	Region poor
	AI 11662	—	Plate too poor
	AI 11665	— ns < 7.0	
	AI 11670	ns < 7.0	
	AI 11686	ns < 8.0	
	AI 11689	ns < 8.9	
	AI 9264	—	Region defective
	AI 9282	—	too poor
	AI 5174	ns < 8.0	
	AI 7183	ns < 8.0	
	AI 12818	7.7	
	AI 7212	ns < 8.0	
	AI 9291	—	p
	AI 9222	ns < 8.0	
	AI 11100	10.0	F
	AI 7252	ns < 8.0	
	AC 16977	—	Wrong region
	AI 7278	ns < 9.3	
	AI 14588	9.9	
	AI 7283	ns < 8.7	
	AI 13301	9.2	
	AI 7303	9.8	?
	AI 11857	9.7	
	AI 14299	8.8	
	AC 7697	—	Wrong region
	AI 12957	7.1	
	AI 11641	9.2	

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1916phae.proj.1160R

Saturday. Nov. 25, 1916

R Cassiopeiae

Plate No	Mags	Remarks
AI 14620	9.9	
AI 13281	9.1	
AI 11680	ns < 8.0	
AI 11721	9.5	
AI 13263	9.1	
AI 11583	9.4	? Imperfectly developed
AI 6081	ns < 8.7	?
AI 5070	ns < 9.0	
AI 5096	—	f
AI 5123	—	f
AI 5138	—	f
AI 5156	—	f
AI 5190	ns < 8.0	
AI 7374	88	?
AI 7385	ns < 8.0	
AI 8376	ns < 8.0	
AI 8402	ns < 8.0	
AI 8409	ns < 8.0	
AI 11037	9.9	
AI 8427	ns < 8.0	
AI 11078	ns < 9.3	
AI 8494	ns < 8.7	
AI 11747	—	f
AI 11707	ns < 8.7	
AI 8514	8.5	?
AI 5952	—	f ?
AI 11084	ns < 8.0	
AI 5988	ns < 8.0	

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1916phae.proj.1160R

Saturday, Nov. 25, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 11099	ns < 9.3	
AI 5993	ns < 8.0	
AI 11119	9.8	
AI 6013	ns < 8.7	?
AI 9249	—	f
AI 6033	—	f
AI 11704	9.5	
AI 6046	—	f
AI 11721	ns < 9.3	
AI 6063	—	f
AI 11774	9.5	
AI 6112	—	f
AI 11781	9.4	f
AI 6134	—	f
AI 10950	8.6	
AI 10984	ns < 8.7	
AI 11061	ns < 9.6	
AI 10504	10.4	F
AI 11023	ns < 9.3	
AI 10992	ns < 8.9	
AI 11029	9.1	?
AI 10994	—	f?
AI 11048	9.1	
15mm out AI 9411	ns < 9.3	
AI 11531	9.1	
AI 12950	~~9~~ 7.3	Variable → Vars R Cass.
AI 12027	10.2	
AI 9377	ns < 15	

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1916phae.proj.1160R

Saturday, Nov. 25, 1916

R Cassiopeiae

Plate No	Mags	Remarks
AI 12954	9.2	
AI 14145	9.6	
AI 9369	ns < 8.0	
AI 7229	ns < 8.0	
AI 14171	9.1	
AI 9361	ns < 8.0	
AI 5146	—	f
AI 13184	8.4	
AI 9338	ns < 8.0	
AI 10863	—	F
AI 13163	8.4	
AI 9327	—	f
AI 13126	8.4	
AI 9306	ns < 8.0	F
AI 6128	8.4	
AI 13027	7.7	
AI 7255	9.1	
AI 8410	ns < 8.0	
AI 5167	9.2	
AI 7243	—	f
AI 5147	ns < 8.0	
AI 7226	9.2	f
AI 8419	9.5	
AI 12996	7.2	
AI 7204	9.1	
AI 11120	ns < 9.3	
AI 13015	7.7	
AI 14186	—	Plate Jagged

12:30

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Saturday, Nov. 25, 1916

R Cassiopeiae

1:55	Plate No	Magn	Remarks
	AI 12803	7.7	
	AI 9443	ns < 8.0	
	AI 10944	8.5	
	AI 11955	10.3	
	AI 9448	ns < 8.0	
	AI 11053	ns < 9.6	
	AI 12754	—	p
	AI 9464	ns < 8.7	
	AI 14136	9.5	
	AI 11706	ns < 8.9	
	AI 9476	ns < 8.7	
	AI 13083	7.8	
	AI 11616	9.8	
	AI 9503	ns < 8.7	
	AI 13098	8.8	
	AI 11766	9.5	
	AI 9435	—	p
	AI 13199	8.9	
	AI 14325	8.8	
	AI 9419	ns < 8.7	
	AI 12916	7.5	
	AI 11741	9.5	
	AI 12895	7.6	
	AI 6056	—	p
	AI 8497	ns < 8.7	
	AI 11755	—	p
	AI 8476	8.9	
	AI 5232	ns < 8.0	

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1916phae.proj.1160R

Saturday. Nov. 25, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 8429	9.4	
AI 5137	ns < 8.0	
AI 6064	—	p
AI 5134	—	p
AI 6113	—	p
AI 7395	9.1	? f
AI 8392	ns < 8.7	
AI 5118	ns < 8.9	
AI 6124	ns < 8.0	
AI 7388	ns < 8.9	
AI 8379	ns < 8.9	Susp. variable is defect
AI 9586	9.8	variable ? on this plate near h?
AI 5201	—	p
AI 7319	9.2	
AI 7341	—	p
AI 8516	8.5	
AI 13315	9.4	
AI 6003	< 8.0	
AI 6041	8.8	?
AI 5939	< 8.0	
AI 7281	9.1	
AI 12207	—	p
AI 12829	7.2	p — defect to right of variable
AI 6029	—	p
AI 7273	9.0	?
AI 5226	9.1	f
AI 11923	ns < 9.3	
AI 7328	9.0	

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Saturday, Nov. 25, 1916

R Cassiopeiae

Plate no	Magn	Remarks
AI 6068	8.8	?
AI 2190	7.6	
AI 11908	ns < 9.6	
AI 7166	ns < 8.7	
AI 12960	7.5	
AI 2173	—	p
AI 2158	7.1	
AI 1954	9.5	
AI 5221	—	Does not comm
AI 2127	> h = 7.0	See f. 131
AI 14344	8.6	
AI 2096	> h = 7.0	See f. 131
AI 12162	10.4	f
AI 2066	> h = 7.0	See f. 131
AI 1997	8.3	
AI 11912	ns < 9.6	
AI 2035	7.5	
AI 12139	10.7	?f
AI 2005	7.8	
AI 1972	8.8	
AI 5922	ns < 8.0	

3:25

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Monday, Nov. 27, 1916

R Cassiopeiae

12h 5s	Plate No	Wave	Remarks
	AI ~~5066~~ 6019	9.0	? i
	AI 11691	ns ≤ 9.6	
	AI 12914	7.1	
	AI 12942	7.2	
	AI 12909	7.1	
	AI 11502	9.1	

1.00

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Monday, Nov. 27. 1916

R Cassiopeiae

	Plate No	Magn	Remarks
2:40	AI 12894	7.2	
	AI 12919	7.1	
	AI 14722	—	Plate fogged
	AI 11650	—	Region defective
	AI 12902	7.2	
	AI 11687	—	Region defective
	AI 12896	7.7	
	AI 14524	9.5	
?	AI 9545	ns < 8.0	
?	AC 14445	9.0	?
	AI 14542	9.9	
	~~AI 12882~~	—	wrong region
	AI 14515	9.1	q
	AI 14393	8.8	
	AI 9524	ns < 8.0	
	AI 9478	ns < 8.7	
	AI 14465	9.1	
	AI 12858	7.1	
	AI 14459	8.9	
	AI 14376	8.8	
	AI 14433	9.0	
	AI 14342	8.8	
	AI 14419	ns < 8.7	
	AI 12850	7.1	
	AI 14388	8.8	
	AI 9468	ns < 8.0	
	AI 14330	8.5	
	AI 9456	ns < 8.0	

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Thursday. Nov. 27, 1916

R Cassiopeiae

Plate No.	Magn.	Remarks
AI 14365	8.8	
AI 12804	7.7	
AI 14311	8.5	
AI 9444	—	Region defective
AI 12785	8.3	
AI 14359	8.8	
AI 14307	8.5	
AI 14326	ns < 8.0	
AI 9421	ns < 9.6	
AI 12773	8.6	
AI 14293	8.5	
AI 9414	ns < 8.7	
AI 14318	8.5	
AI 12761	8.5	?
AI 14261	8.4	
AI 9341	—	Region defective
AI 14312	8.6	fg
AI 12738	ns < 8.0	
AI 14235	8.8	
AI 14349	8.8	
AI 12719	ns < 10.0	
AI 9363	—	Region defective
AI 14281	8.5	
AI 9339	ns < 8.0	
AI 12728	ns < 10.3	
AI 14251	8.5	
AI 14218	8.6	
AI 9353	—	Region defective

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Monday, Nov. 27, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 14244	8.5	
AI 12219	ns < 9.3	
AI 14201	9.0	? f
AI 14208	9.0	
AI 9398	ns < 8.7	
AI 12140	10.2	? f
AI 14202	8.9	? f
AI 14191	—	= Region defective
AI 9379	ns < 8.0	
AI 12137	ns < 10.0	
AI 14185	—	Plate too poor
AI 14177	9.1	
AI 9285	—	Region defective
AI 12123	ns < 9.6	
AI 14142	8.8	
AI 14168	8.8	?
AI 9274	—	Plate too poor
AI 14569	9.5	
AI 14138	ns < 9.6	
AI 14153	ns < 8.0	
AI 9267	—	Region defective
AI 14678	9.9	f
AI 14126	ns < 8.9	
AI 6122	—	Region defective
AI 12020	ns < 8.9	
AJ 6106	—	Region defective
AI 13198	8.8	?
AJ 6087	ns < 8.0	

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Monday, Nov. 27, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 11997	ns < 10.0	
AI 6083	—	Plate too poor
AI 13190	8.8	
AI 6059	ns < 8.0	
AI 11975	10.1	f
AI 6051	—	Region defective
AI 13164	8.6	
AI 6044	—	Region defective
AI 11956	10.2	
AI 6014	ns < 8.9	
AI 13142	8.6	
AI 6007	—	Region defective
AI 11941	9.5	f
AI 7396	8.9	?
AI 13125	8.4	
AI 7394	ns < 8.0	

3:47

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Tuesday, Nov. 28, 1916

R Cassiopeiae

8:50	Plate No	Magn	Remarks
	AI 11934	ns < 9.6	
	AI 13014	7.5	
	AI 11783	ns < 8.9	
	AI 8418	ns < 8.0	
	AI 11776	ns < 9.3	
	AI 8403	ns < 8.0	
	AI 11878	10.1	f
	AI 13004	7.6	
	AI 11116	ns < 8.9	
	AI 11749	—	Plate to Jun
	AI 11868	9.9	q
	AI 12995	7.7	
	AI 11092	ns < 8.0	
	AI 11757	ns < 8.0	
	AI 12934	7.2	p
	AI 11054	ns < 8.9	
	AI 11712	9.5	
	AI 11101	ns < 8.0	
	AI 12925	7.6	
	AI 9572	ns < 8.0	
	AI 11698	9.5	
	AI 12976	7.7	
	AI 13056	7.8	
	AI 7190	ns < 8.7	
	AI 11847	10.0	
	AI 7167	ns < 8.0	
	AI 13036	7.5	
	AI 8518	8.4	? f q

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Tuesday, Nov. 28, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 11833	ns < 8.0	
AI 13026	7.6	
AI 8484	8.5	
AI 11813	10.1	? q f
AI 8463	ns < 8.0	
AI 8443	—	Regin defective
AI 13023	7.7	
AI 8439	—	Regin defective
AI 11793	—	Regin defective
AI 11924	9.9	f
AI 7352	—	p
AI 13097	8.4	
AI 7340	—	Regin defective
AI 11911	9.9	
AI 7322	ns < 8.7	
AI 13057	7.8	
AI 7305	9.5	
AI 11890	9.8	? f q
AI 7284	9.2	? f q
AI 13069	7.7	
AI 7272	9.5	
AI 11880	9.9	
AI 7233	ns < 8.0	
AI 13068	7.6	
AI 7225	ns < 8.0	
AI 11858	9.9	
AI 7206	ns < 8.0	
AI 11870	9.9	

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Tuesday, Nov. 28, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 13251	9.1	
AI 13158	8.4	
AI 12822	7.6	
AI 13239	9.1	
AI 13143	8.4	
AI 2207	—	Region defective
AI 12817	7.6	
AI 2105	7.2	
AI 13108	8.3	
AI 12076	ns < 9.6	?
AI 2074	7.2	
AI 13089	7.8	
AI 12054	ns < 10.3	
AI 13084	8.3	
AI 12041	10.4	?
AI 2013	7.7	
AI 13070	7.8	
AI 1988	8.3	
AI 12018	9.9	
AI 13065	7.7	
AI 1956	9.5	fg ?
AI 12009	10.4	
AI 13029	7.8	
AI 1946	ns < 8.9	
AI 11995	9.5	
AI 5212	—	ff
AI 13028	7.7	
AI 11974	10.4	

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Tuesday, Nov. 28, 1916

R Cassiopeiae

Plate No	Magn	Remarks
AI 13016	7.7	
AI 5191	ns < 8.0	
AI 11966	10.4	? f
AI 5162	ns < 8.0	
AI 13006	7.7	
AI 11939	ns < 9.6	
AI 12087	—	tf
AI 5152	—	tf
AI 11922	ns < 8.9	
AI 12026	10.4	
AI 5139	—	tf
AI 11907	9.9	
AI 12809	7.7	
AI 11856	9.9	
AI 12790	—	Region defective
AI 11845	9.9	
AI 12784	—	tf
AI 11801	9.8	
AI 12772	8.4	
AI 11838	7.2	
AI 12766	8.5	
AI 11799	—	tf
AI 12760	8.3	
AI 11764	9.9	
AI 12753	—	Region defective
AI 11740	9.8	
AI 12745	8.8	?
AI 11747	9.8	

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1916phae.proj.1160R

Tuesday, Nov. 28, 1916

R Cassiopeiae

	Plate No	Magn	Remarks
	AI 13302	9.1	
	AI 12727	ns < 8.0	
	AI 11754	ns < 8.7	
	AI 13282	—	Does not come
	AI 12737	ns < 8.0	
	AI 13264	9.1	
	AI 12893	—	Does not come
	AI 13241	9.1	
	AI 13273	9.0	?
	AI 13219	9.0	
	AI 12874	var < h = 7.0	Surf. 131
	AI 13325	9.5	
	AI 13211	ns < 8.9	
	AI 12849	7.3	
	AI 13280	9.1	
	AI 12837	7.2	
	AI 13192	8.9	
	AI 13262	9.1	
	AI 13175	8.4	
	AI 12827	7.2	
10;32			
10;46	AI 9535	ns < 10.3	
	AI 9300	ns < 8.9	
	AI 9523	ns < 10.0	
	AI 12077	ns < 10.0	
	AI 9286	ns < 8.0	
	AI 9513	ns < 10.3	
	AI 12042	10.4	

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Tuesday, Nov. 28, 1916

R Cassiopeiae

Plate No	Mags	Remarks
AI 9477	10.4	f
AI 11996	10.1	
AI 9266	—	Tf
AI 9449	ns < 10.0	
AI 11967	10.3	
AI 9422	ns < 10.3	
AI 9576	ns < 10.3	
AI 13210	9.0	
AI 11846	9.9	
AI 9406	ns < 9.6	
AI 9390	ns < 9.6	
AI 9347	ns < 9.6	
AI 9382	ns < 9.6	
AI 12127	10.2	q
AI 9340	ns < 9.6	
AI 9362	ns < 8.9	
AI 9328	—	Region defective
AI 12098	9.9	
AI 9352	ns < 9.6	

11:05

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Tuesday Nov. 28, 1916

R Cassiopeiae = Remeasures.

Plate No	Magn	
AI 12874	7.2	Reject obs. f. 129. Or reobservation with an additional comp. star > b, variable falls between b and g.
AI 2127	7.1	See note above. See f. 119 for previous observation
	~~7.1~~	
AI 2096	7.1	See note above
AI 2066	7.2	" " "
AC 15499	7.0	" " " See f. 62 for prev. obs.
AC 15564	7.1	" " " " " " " "
AC 4618	7.1	" " " " f. 66 " " "
I 11598	7.0	" " " See f. 52 " " "

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Tuesday. Nov. 28, 1916.

R Draconis

Plate No	Magn	Remarks
I 34605	13.5	
AC 5065	7.5 & 10.8	See obs. f. 138 & note.
AC 8460	10.8	f

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1916phae.proj.1160R

Wednesday Nov. 29 1916

T Cephei

Plate No	Mag.	Remarks
AC7663	8.7	

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1916phae.proj.1160R

Wednesday, Dec. 6, 1916

R Cassiopeiae

Plate No	Magn	Remarks
~~MC 5997~~		
~~I 21524~~	8.7	Reject obs. J.70 - certainly wrong.
I 21524	~~n=10.8~~ ns < 12.8	
I 21567	ns < 12.8	} Comf. star n measured by HL. L4:123; L4:121; L4:119; L4:121.
I 21729	ns < 12.8	
I 21751	ns < 13.6	
~~C 4057~~		

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1916phae.proj.1160R

Thursday. Dec. 6, 1916

R Cassiopeiae — Remeasures.

	Plate No	Mags	Remarks
9:15	C4057	ns < 10.0	Wrong obj. must have been measured by HSL. Reject obs. 21:16
	I4605	ns < 11.0	" " " " "
	I7483	12.5	
	I11598	7.1	e
	C8440	> 8.7	– Other brighter stars of edge. Do not use in ledger
	I18703	10.8	Reject. Star measured is comp. star 2.
	AC487	9.9	10.4
	I27653	8.3	
	I28069	8.8	Reject obs. 14:120 certainly wrong
	I29612	9.0	I is elongated.
	AC7088	ns < 10.3	Object previously measured a defect.
	AI5226	9.2 or defect	Reject – probably defect.
	AC8700	7.7	7.8
	AI6059	ns < 8.0	I seem – image defective
	AI6068	8.5–	
	AC8717	8.3	8.4 – Previous obs. certainly wrong
	AI6071	7.8	
	AI6081	8.4	Previous obs. certainly wrong.
	AI7273	8.9?	
	AI7303	9.5–?	
	AI7374	8.8f	I cannot be used for comp. because so near to K and images are defective.
	AI7395	9.1	
	AI7396	9.1 f?	
	AI8484	8.8	
	AC11231	8.4 g	8.5
	AI11029	ns < 8.9	Object previously measured a defect

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1916phae.proj.1160R

Thursday, Dec. 6, 1916

R Cassiopeiae

Plate no	Magn	Remarks
AI 11048	ns < 8.9	
AC 14211	9.5	9.8
AC 14268	8.9 f—	9.2
AI 11698	9.5	
AI 11781	9.5	
AI 11838	ns < 8.7	Obj. previously measured & dyed
AI 11941	9.5— f	
AC 14620	10.4	11.3
AI 11995	9.9 ?f	
AI 12018	10.0	
AI 12098	10.2	
AC 15411	8.3	8.4
AI 12895	7.6	
AI 12896	7.6	
AI 12916	7.7	
AI 12925	7.6	
AI 12996	7.7	
MC 8957	12.6	
AI 14168	8.8 ?	
AI 13098	8.4	
AI 14589	9.5—	
AI 11691	9.8	
AC 4471	10.1 ? q	Diffuse 10.7
AI 11539	9.0 ?	
AC 6635	10.3	11.1
AC 14396	9.9	10.4
AC 14517	9.9	10.4 Reject former obs. R is subjected to
AC 14529	10.2	10.9 regression and is too near limit beyond which values from formula are unsafe. This note applies to AC 14529 & AC 14583 also.

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1916phae.proj.1160R

Thursday, Dec. 6, 1916

R Cass Joint

Plate No	Magn	Remarks
AC14533	10.2	10.9
AC10098	9.3	9.6
I21443	13.0	Reject obs. 4:21. Evidently wrong obj. measured.
MC8992	12.7	
11:45		
MC 4363	10.7	
AC15754	8.2	8.3 Reject obs. R3:63 - certainly wrong.

Use AC 14532-9 & AC 14533 also.

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Monday, ~~Dec~~ Jan 8, 1917

R Thaonis
AC 8460 ns 10.7. The image formerly measured & considered to be a double, as it disappears with higher magnifying power

1916phae.proj.11668

Wednesday, Jan. 17. 1917

Mr. Metcalf's Variable −25° 9288

Plate No	Eff.	Eat	Mags					Remarks
AM 3484	1	11.32	12.16 m 2 v	11.52	11.30	11.41	11 11	
				12.38	12.19	12.29	09 10	
		11.30	11.60					
		12.19 v 3 m	12.49					
	2	10.46	11.34 h 3 v	10.76	10.64	10.70	06 06	
				11.64	11.49	11.56	08 07	Kissufunfound
		10.64	10.94					
		11.49 v 3 l	11.79					
	3	10.46	11.34 h 3 v	10.76	10.74	10.75	01 01	
				11.64	11.59	11.62	02 03	
		10.74	10.94	11.79				
		11.59 v 2 l	Kissufunfound					
	4	10.46	11.34 h 2 v	10.66	10.64	10.60	06 06	
				11.54	11.39	11.46	08 07	
		10.54	10.94					
		11.39 v 4 l	11.79					
	5	10.46	11.34 h 4 v	10.86	10.64	10.76	11 11	
				11.74	11.49	11.62	12 13	
		10.64	10.94					
		11.49 v 3 l	11.79					Kissufunfound
	6	10.94	11.79 l 1 v	11.04	11.02	11.03	01 01	
				11.89	11.88	11.88	01 00	
		11.02	11.32					
		11.88 v 3 m	12.18					
	7	10.70	10.90	10.74	10.82	08 08		
		11.54 k 2 v	11.74	11.59	11.66	08 07		
		10.74	10.94	10.70				
		11.59 v 2 l	11.79	11.54				
	8							
		h 2 v	K 2 v	K 1 v	10.80	10.74	10.77	03 03
					11.64	11.59	11.62	02 03
		v 2 l	v 2 l	10.74 v 2 l	10.94			
				11.59	11.79			
	9	10.04	10.88 g H 3 v	10.34	10.26	10.30	04 04	
				11.18	11.14	11.16	02 02	
		10.26	10.46					
		11.14 v 2 h	11.34					
	10	9.62	10.35 e 2 v	9.82	9.68	9.70	12 13	
				10.53	10.35	10.45	10 10	
		9.58	9.78					
		10.35 v 2 f	10.55					
	11	9.24	9.83 c 3 v	9.54	9.52	9.58	01 01	
				10.13	10.25	10.19	06 06	
		9.52	9.62					
		10.25 v 1 e	10.35					
	12	9.24	9.83 c 4 v	9.64	9.53	11 11		
				10.23	10.16	10.19	04 04	
		9.42	9.62					
		10.15 v 2 e	10.35					
	13	9.62	10.35 e 2 v	9.82	9.68 9.75	9.75	07 07	
				10.55	10.45	10.50	05 05	
		9.68	9.78					
		10.45 v 1 f	10.55					
	14	9.62	10.35 e 1 v	9.72	9.58	9.65	07 07	
				10.45	10.35	10.40	05 05	
		9.58	9.78					
		10.35 v 2 f	10.55					
		9.78	f 1 v	9.88	9.84	9.86	02 02	
		10.55		10.65	10.68	10.66	01 02	

The only other multiple image plate of this region is AM 3485 & the region of the variable is beyond.

Measures of last five exposures exceedingly difficult because images are elongated & tangent. All images are dense.

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Thursday, Jan 18, 1917

Suspected Variable in region of Mr. Metcalf's Variable -25° 9286

This star was suspected of variability by Miss Leavitt when selecting the sequence for Mr. Metcalf's variable - I watched it while observing -25° 9286, and recorded my observations under the Triumbs of that variable - Since I have re-examined several of the plates with the units given below: Bright in this case is equivalent to > h.

Bright	Medium	Faint
AM4945		AC3143
AM6955		AC8428
AC3134		AC13088
AM8428,		AM6211
AC13835		AC5975
AM5573		B2910S,
~~AA~~AM4188		AC13005
AM3548		
AM8371		
AC5962		
AM3503		

AM3484 is a multiple image plate, and the star shows a slight diminution at the right hand side, (less side of) Stand up

On these plates, the (image) the suspected variable seems often smaller but more intense than that of h, hence comparison is difficult

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1910phae.proj.11608

Thursday, Jan 18, 1917

Bright		Faint
B42208		B6290 var < h or = h.
B18866		B29227
B5156		B29749
B18265	or var = h	B41145
B18718		B33510
B25511		B36014 or var = h
B39884		B41197
B37447	or var = h	B38728

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1916phae.proj.1160R

Friday, Jan 19. 1917

Re-measures of plates for −25° 9286

Plate no	Est!							Remarks
AM 338 δ	10.88	9 2 v	11.08	11.24	11.16	08	08	11.08
	11.24	v 1 h	11.34					
AC 6330	10.88	9 2 v	11.08	11.04	11.06	02	02	11.06
	11.04	v 3 h	11.34					
AC 6224	10.55	f 3 v	10.83	10.78	10.82	03	04	11.01
	10.78	v 1 g	10.84					Very faint
AC 6337	10.84	9 2 g	11.08	11.04	11.06	02	02	11.14
	11.04	v 3 h	11.34					

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1916phae.proj.1160R

Tuesday, June 3, 1917

Limiting Magnitudes in Many of the Sky Plates

Plate No	Region	Sequence Used	Limiting Magnitude Reached	Remarks
AC 1943	0 +60	Carte $0^h +65^\circ$	13 m.5	
		MC 7271	12 = .2	

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1916phae.proj.1160R

Wednesday, Jan 24, 1917

"Map of the Sky" Plates -

Plate No	Region	Segment used	Im. Mag.	Remarks
AC1943	0 +60	T Cas.	~~5~~ 5 m.s	
		MC6243	$5^3 = .1$	
AC2161	0 +90	N.P.S.	21 m.s	
			$20 = .1$	
AC3625	9 +60	12K	10 m.s.	
		~~U Urs. M~~ MC2449	$9 = .1$	
		U Urs. Maj.	m ns.	
		MC5320	$\ell = .1$	
		Cant $9^h +55^\circ$.	07 ns	
		MC5179.	$06 = .1$	
AC3466	12 +60	Cant 12+65	16 ns	
		MC7777	$15 = .1$	
		~~T~~ S Urs Maj.	ρ' ns	
		MC5186	$\eta = .1$	
		T Urs. Maj	π ns	
			$9 = .1$	
		RS Urs Maj.	m ns	
			$\ell^2 = .1$	

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1916phae.proj.1160R

~~Saturday~~ Friday, Feb 2, 1917
~~Jan 27, 1917~~

"Map of the Sky" Plates

Plate No.	Region	Sequence Used	Dim Magn	Remarks
AC3620	15h 60	~~Cauto~~ 15h +55°	011 ns	
		MC7918	010 = .1	
		15K	10 ns	
		MC5423	9 = .2	
AC3629		16K	10 ns	
		MC5699	9 = .1	
AC3630		18K	8 ns	
		MC3605	7 = .1	
		Cauto 21 +55	10 ns	
		MC6457	9 = .1	
~~AC2157~~ AC124		Cauto 15h9 +31.5	13 ns	
		MC6692	12 = .1	
		46K	11 ns	
		MC3780	10 = .1	very faint

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1916phae.proj.1160R

Saturday, Feb. 3, 1917

"Map of the Sky" Plates.

Plate No.	Region	Sequences Used	Lim. Mag.	Remarks
AC 2155	4h +30	Carte 4+32	13 ns	
		MC 6504	12 = .1	
		48K	10 ns	
		MC 2288	~~11~~ 11 = .1	
AC 3469	6 +30	Carte 6+31.5	17 ns	
		MC 7425	16 = .1	
		UM 5h30m +32.5°	12 ns	
		MC 9529	11 = .1	
		N.G.C 1960	11 ns	
		MC 9529	10 = .1	
AC 3363	8 +30	52K	11 ns	
		MC 2258	10 = .1	
		Carte 8+31.5	13 ns	
		MC 4445	12 = .1	
AC 2160	10 +30	Carte 10+31.5	15 ns	
		MC 7442	14 = .1	
		30K		
		MC 4648		

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1916phae.proj.1160R

~~The~~ Tuesday, Feb. 6, 1917

"Map of the Sky" Plates

Plate No	Region	Sequences used	Lin Magn Limits
AC2160	10 +30	30K	10 ns
		MC4648	9=.1
AC3332	12 + 30	Carte 12+31.5	13 ns
		MC7661	12=.1
		55K	11 ns
		MC2632	10=.2
		56K	10 ns
		MC2663	9=.1
AC 1105	14 +30	Carte 14+32	
		MC5687	

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1916phae.proj.1160R

Wednesday, Feb. 7, 1917

"Map of the Sky" Plates

Plate No	Region	Segments Used	Fair Wave Remarks
AC1105	14 +30	Cauto 14+32	16 ms
		MC5287	15 = .1
		M3	8 ms
		MC5225	7 = .2
		Kal 14+30	10 ms
		I 24649	9 = .1
AC252	16 +30	Cauto 16+31.5	14 ms
		MC5734	13 = .1
		60K	12 ms
		MC3098	11 = .2
AC1013	18 +30	Cauto 17 59 +31.4	15 ms
		MC5702	14 = .2
~~AC3353~~	~~20 +30~~	~~Tkandis~~ 62K	13 ms
		MC5495	12 = .1
AC3353	20 +30	Cauto 20 +17.5	7 ms This seg.
		MC5709	6 = .1 100% fr. cents
		64K	8 ms
		MC4196	7 = .1
AC1014	22 +30	Cauto 22+31.5	14 ms
		MC5911	13 = .1 barely complete
		66K	10 ms
		MC3584	9 = .1 faint blur

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1916phae.proj.1160R

Wednesday, Feb 7, 1917

"Map of the Sky" Plates

Plate No	Region	Segments Used	Exp	Margin	Remarks
AM159	0 0	145K	10 ms		
		MC3724	9=.1		
		Carte 0+4.5	7 ms		
		MC4346	6=.1		
AM151	2 0	Carte 2+4.5	11 ms		
		MC4186	10=.1	faint Hbr	
		93K	8 ms		
		MC3778	7=.1	faint Hbr	
AC1093	4 0	Carte 4+5	14 ms		
		MC7560	13=.2		
		95K	12 ms		
		MC3964	11=.1	faint Hbr	
AC513	8 0	Carte 8+5	10 ms		
		MC7354	9=.2		
		99K	9 ms		
		MC4192	8=.1		
AC2518	10 0	Carte at 10+5	10 ms		
		MC7440	9=.1		
		101K	9 ms		
		MC904	8=.1	very faint	

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Thursday, Feb. 8, 1917

"Map of the Sky" Plates

Plate No	Region	Sequence Used	Line Ways	Remarks
AC 2547	14 0	106K	16 ns	
		MC 5194	15=.1	
		Cato 14+4.5	14 ns	
		MC 7955	13=.2	
AM 1420	16 0	Cato 16 +5	13 ns	
		MC 8157	12=.1	
AM 1436	18 0	110K		Region defective
		MC 3555		
		109K	11 ns	
		MC 5541	10=.1	
		RS Ophiuchi	9 ns	
		MC 5737	8=.1	very faint
AM 1439.	20 0	112K	9 ns	
		MC 4173	8=.1	
		111K	10 ns	
		MC 6161	9=.1	
		Cato 20+5	11 ns	
		MC 6308	10=.1	
AM 1441	22 0	Cato 22 0	6 ns	
		MC 4199	5=.1	
		114K	9 ns	
		MC 5930	8=.1	barely glimpsed

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Thursday, Feb. 8, 1917

"Map of the Sky" Plates

Plate No	Region		Sequences Used	Lim Mags	Remarks
~~AC2156~~	6	0	Carte 6+5	14 ns	
			MC7294	13 = .1	Limit Thin
AM1443	12	-30	Carte 12-23.5	16 ns	
			MC7821	15 = .1	
AM1444	14	-30	1531K	14 ns	
			B4635	13 = .1	
AM1452	16	-30	155K	13 ns	
			B4458	12 = .1	Limit
AM1461	18	-30	158K	10 ns	
			B4467 8	9 = .2	
AM1463	20	-30	20-24	16 ns	
			MC6336	15 = .1	
			~~159K~~		
			~~B4525~~		

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Friday, Feb. 9, 1917

"Map of the Sky" Plates

Plate No	Region	Sequence Used	Sun Magn	Remarks
AM 1463	20 - 30	159K		
		B4565I		

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1916phae.proj.1160R

Saturday, Feb 10, 1917

"Map of the Sky" Plates

Plate No	Region	Sequences Used	Lin Magn	Remarks
AM1463	20 -30	159K	14ns	
		B45651	13=.2	
		160K	12ns	
		B45585	11=.2	
AM1427	0 -30	140K	13ns	
		B45643	12=.1	faint Hm
AM1419	10 -30	Carte at 10-23.5	10ns	
		NC7852	9=.2	
AM1440	22 -30	Carte at 22-23.5	13ns	
		NC8872	12=.1	

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1916phae.proj.1160R

Saturday, Feb. 10, 1917

"Work of the Sky" Plates

Plate No	Region		Segments Used	Lines Measured	Remarks.
~~A1459~~ 1440	22	-30	161K	~~7~~ 10 ns	
			B45567	9 = .1	
			162K	11 ns	
			B45570	10 = .1	
A1459	12	-60	194K	14 ns	
			B46814	13 = .1	
A1469	15	-60	~~154~~ 195K	15 ns	
			B46553	14 = .1	faint lines
A1809	15	-60	196K	11 ns	
			B45413	10 = .1	
A1464	21	-60	198K	13 ns	
			B45656	12 = .1	

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Tuesday, Feb. 13, 1917

Neag of Sky Plates

AC 3620 / 15 +60 Cant 15 +55 - 11 = .1

12 ms

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1916phae.proj.1160R

Tuesday, May 29, 1917

R Aurigae —

Plate No	Magn	Remarks	
AC 16111	10.6	Feb. 17, 1915	I.D. 24 20544
AC 16237	—	Images so elongated they are superposed.	
AC 16317	9.4 ?	Mch. 24, 1915	I.D. 24 20581
AC 16359	—	Images too elongated	
AC 16442	—	plate too poor	
AC 15970	10.5	Jan. 5, 1915	I.D. 24 20503
AC 15996	—	Overexposed	
AC 15987	10.2 ?	Jan. 8, 1915	24 20506

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