

KODAIKANAL OBSERVATORY

BULLETINS Nos. 14 to 28

VOLUME II

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1913

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" " " 1909	268
" " " 1910	389
" " " 1911	501

Kodatkanal Observatory.

BULLETIN No. XIV.

LIST OF PROMINENCES OBSERVED BETWEEN 1908 JANUARY 1 AND 1908 JUNE 30.

This list is a continuation of that published in Bulletin No. XIII. and contains all prominences recorded during the first six months of 1908.

The methods of observation and the observers remain the same as formerly.

The basis of the list is the set of drawings made in the hydrogen line C but this is supplemented by a detailed comparison with the photographs taken with the spectroheliograph in the K line of calcium. Most of these photographs have been taken by Mr. Evershed and most of the work of comparison has been done by Mrs. Evershed.

During the six months dealt with here the weather was on the whole favourable and the following table shows the observations made :—

											Days.
Complete visual observations	..	..	..	..	..	..	..	..	..	..	111
Partial do. do.	..	..	..	..	..	..	..	..	..	..	56
No do. do.	..	..	..	..	..	..	..	..	..	..	15
Complete spectroheliograph records	..	..	..	..	..	..	..	..	..	..	159
Partial do. do.	..	..	..	..	..	..	..	..	..	..	14
No do. do.	..	..	..	..	..	..	..	..	..	..	9

It is worth noting that it is frequently possible to obtain a record of the chief prominences on photographs of the disc (flocculus plates) on days that are so cloudy that it is not possible to obtain photographs of the limb (prominence plates). In such cases the record will not be complete, as only the stronger prominences will be photographed.

Date and observer	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M.	°	°	°		"	
January 1. S.S.	9 23	1	08	...	E	10	
	21	6	59		E	50	Broad at top.
	21	1	54		E	25	
	17	2	16		E	...	
	14	3		14°5	E	15	
	12	6		24	E	45	A Ca streak from top meets limb at lat. — 7° E.
	11	1		31°5	E	10	
	10	0°5		38	E	30	Slants southwards.
	8			53	E	10	
	45			86°5	E	30	Broad at top.
	44	0 5		52	W	15	
	44	0 5		49	W	20	
	40	20		28	W	90	Two prominences 70" high connected by a curved streak 90" high
	37			10	W	80	
	10 0		2		W	10	Ca.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908. January 1. —contd.	S.S.	H. M.	°	°		"	
	9 35	4	22	...	W	20	
	34	2	35		W	20	
	32		37		W	20	A short detached streak. }
	31	7	49·5		W	75	Narrow at top.
	10 0	1	70		W	10	Oa.
	9 27		85		W	15	Strong wind. Image very unsteady. Ca photographs 10 ^h 0 ^m and 9 ^h 6 ^m .
January 8.	S.S.	10 48	5	89·5	...	E	25
		23	0·5		15	E	25
		9 45	0·5		57	E	25
		45	1		65	E	25
		11 44			55	W	30 ±
		28	2	58		W	50
		25	2	58		W	25
							Observed during short breaks in clouds. No Ca photograph.
January 4.	K.V.S.	8 58	...	69·5	...	E	35
		48		56		E	10
		53		54		E	30
		45		47		E	10
		58		48		E	30
		42		7·5		E	10
		40	0·5	Equator.		E	15
		53	0·5	8		E	15
		36	1	18		E	10
		30	1	15		E	10
		30	1	17		E	10
		53	1·5	45		E	15
		53	1	66		E	15
		58		79		E	20
		58		87		W	100
							Oa. An arch 12° broad with two small prominences within.
		58		85		W	10
		58		23		W	10
		9 25	0·5	9		W	10
		8 58		7		W	10
		9 20	1·5	19		W	50
		10		32		W	30
		8 53		40		W	20
		9 0	3	56·5		W	50
							Filamental. Ca photographs 8 ^h 58 ^m and 8 ^h 28 ^m .
January 5.	K.V.S.	9 11	..	71·5	...	E	90
		11	1·5	48		E	25
		10	1	6		E	10
		5	0·5	30		E	10
		5	2	33		E	30
		2		36		E	10
		0	1	50		E	40 & 25
		52		24		W	15
		50	12	3		W	55
		28	5	56·5		W	45, 70
							Ca photographs 9 ^h 11 ^m and 9 ^h 46 ^m .
January 7.	K.V.S.	11 30	...	86	...	E	20
		15		40·5		E	60
		10	0·5	29·5		E	80
		10		27·5		E	20
		10		24·5		E	80
		10		21·5		E	15
		5	1	49·5		E	20
		5	0·5	53·5		E	25
		10 40	1·5	83·5		E	15
		40	9	67·5		W	40
		40	1	39·5		W	30
		15 28	1	Equator		W	25
		10 40	2·5	7·5		W	60
		40		21·5		W	30
		15 25	2	56·5		W	50
							A Ca streak from this meets limb 4° further north. Ca photograph 10 ^h 40 ^m .

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.			°	°		"	
January 8. S.S.	9 8	.	71 5	...	E	10	
	8 35	0·5	44		E	60	Ca.
	59	1	42 5		E	15	
	58	3	40·5		E	100	Slants northwards. Ca prominence only 75" high but more continuous.
	54	1·5	30		E	10	
	52	2·5	25		E	30	Slants northwards.
	35		21		E	15	Ca.
	35		12		E	10	Ca.
	47	1·5	2		E	40	A Ca streak from top meets limb at lat. — 3° E.
	44	1		36	E	10	
	35	1		69	E	15	Ca. Very faint.
	39	1		84 5	E	10	About 30" high at 9h 35m.
	9 29	1·5		46	W	25	
	28	0·5		44	W	45	
	26	8		27·5	W	10	
	24	2		20	W	10	C slightly displaced to } red at western end } Nearly connected in Ca.
	24	1·5	1		W	10	
	21		7		W	20	Detached.
	8 35		17		W	15	Ca.
	9 18		22		W	30	Detached. Faint.
	16		27		W	10	Faint.
	11		38		W	10	
	7	6	54		W	50	Ca photographs 8h 35m and 9h 4m.
January 9. G.N.	8 52	...	53	...	E	10	Ca.
	52		49		E	15	Ca.
	9 5		46		E	60	
	4	2	43		E	50	
	1		32		E	15	
	8 58	5	2	6	E	60	Connected with the limb by 2 stems and also to the previous prominence by a streamer.
	53	2·5			E	60	
	52			47	E	20	Ca.
	49			80	E	35	Detached.
	49			86	E	10	
	52			62·5	—	30	
	9 14			59	W	15	Ca.
	8 52			52	W	30	Ca.
	9 13	1·5		46	W	30	
	8 52			81	W	10	Ca.
	9 11	4	12		W	40	A streamer extends to P.A. 287° in Ca.
	10		36		W	10	Extends in Ca to P.A. 308°.
	9		52		W	45	Faint.
	9		61·5		W	30	
							Ca photographs 8h 52m and 9h 13m.
January 10. S.S.	9 48	...	88	...	E	20	Detached.
	20		60·5		E	20	Ca.
	41	0·5	45		E	25	Slants northwards.
	33	0·5	29		E	20	Do.
	33		26		E	10	
	31	2	17		E		Low. Metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ , 5,816·8, 5,018·6 and 4,924·1 bright.
	21	8		14	E	60	Connected at top. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ , 5,316·8, 5,018·6 and 4,924·1 bright, at base only, at Lat. —14° and —30° E.
	21	1·5		30	E	40	
	18	1		44·5	E	20	
	15	0·5		50·5	E	10	
	13			71·5	E	10	
	10 11	0·5		65·5	W	45	
	10	1·5		61·5	W	15	
	9 20	1		56	W	15	Ca.
	10 9	3		48	W	30	Top faint and narrow.
	6	3·5		34	W	25	
	2	2		18·5	W	20	D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ , 5,816·8, 5,018·6 and 4,924·1, bright at base
	0	0·5	6		W	10	
	9 57	4	29·5		W	10	

Date and observer.	Hour L.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. N.	°	°	°	"	"	
January 10. S.S. —contd.	9 55	1·5	84	..	W	10	Metallic —b ₁ , b ₂ , b ₃ , b ₄ , 5, 316·8, 5, 018 6, and 4924·1, bright
	54	45			W	25	A short streak parallel to limb.
	52	64·5			W	90	Ca prominence extends as broken streaks from lat. + 55° to + 68° W. Ca photographs 9h 20m and 9h 32m.
January 11. K.V.S.	9 43	0·5	51	.	E	10	Ca
	43	47			E	85	Ca
	48	28			E	15	Ca.
	48	24			E	15	Ca.
	15	9			E	25	
	12		6		E	25	Bright jets. Not metallic.
	12		9		E	Low	There was a detached Ca streak over this 120" high.
	8		26		E	15	Three prominences connected to one another.
	7		30·5		E	10	
	43		73·5		E	10	Ca
	43		85·5		W	20	Ca.
	48		65·5		W	60	Ca
	48		81·5		W	30	Ca
	48		60		W	60	Ca.
	50	5	85·5		W	60	An arch.
	45		19		W	10	
	40	5	5		W	Low	Chromosphere slightly elevated.
	34	0·5	25		W	10	
	32	1	30		W	Low	Faint. Filamental.
	28	2·5	60		W	20	Ca photographs 9h 48m and 8h 54m.
January 12. S.S.	9 24	..	74·5		E	10	
	19		50		E	50	
	19		48		E	50	
	15	1·5	36		E	10	
	14		32		E	10	
	14		30		E	15	
	12	0·5	9		E	10	
	8	8	19		E	70	A Ca streak from it meets limb } Connected in Ca. at lat.—8° E. }
	8	7	27·5		E	40	
	8	0·5	45		E	10	
	0		85		W	15	Very faint.
	57		83·5		W	20	Do.
	65	0·5	78·5		W	30	Do. Detached in Ca. } Tops connected in
	55	0·5	68·5		W	60	Very faint. } Ca
	50		47		W	200	Very faint. 150" at 9h 16m and 200" at 9h 48m in Ca.
	45	5	87		W	50	b ₁ , b ₂ faintly reversed.
	42	0·5	14		W	15	
	40	4	7		W	10	} Connected and 40" high in Ca.
	38		20		W	15	
	35	4	37		W	25	
	32	1	52		W	30	
	30	5	59·5		W	35	
January 13. S.S.	9 9	...	71·5	...	E	20	Ca photographs 9h 16m and 9h 48m.
	10 8	0·5	64·5	...	E	25	Ca Faint.
	9 5	0·5	46		E	10	
	10 8	1·5	87		E	15	40" in Ca.
	8 57	0·5	8		E	20	
	55	1·5	25		E	20	
	51	0·5	41		E	20	
	49		48		E	50	Faint Detached,
	10 8		58·5		E	40	Ca.
	8 45	0·5	78·5		E	10	
	46		76		E	15	
	40	1	85		W	25	
January 14. S.S.	9 38	2	60·5		W	20	Very faint in hydrogen.
	35	1	49		W	15	
	29		46		W	150	Ca. A cloud connected by streaks to the last and the next prominences.

Date and observer.	Hour I.S.T.	Base	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H M	°	°	°		*	
January 13. S.S. --contd.	9 34	3	.	41	W	26	
	32	3		11 5	W	26	
	30		3		W	10	
	29	3	23		W	20	
	27	2 5	27		W	15	
	26	3	36		W	25	Top flows northwards in Ca.
	20	0 5	54		W	20	A Ca cloud 130'' high floats over it.
	20	0 5	57 5		W	35	
							Ca photographs 9h 29m and 10h 8m.
January 14. K.V.S.	8 54	0 5	75	..	E	20	Cn.
	54		50		E	15	Ca
	9 0	3 5	37		E	60	
	0		11		E	15	
	8 54	0 5		26	E	20	Cn. Bends eastwards.
	9 45			48	E	10	35'' high in Ca.
	8 50	0 5		71 5	E	10	
	54	8		81	W	105	Cn.
	54	0 5		60 5	W	30	Ca.
	10 20	1		58 5	W	30	Top bends downwards.
	8 54			50	W	90	Cn.
	10 35	1		44	W	60	
	30			35 5	W	20	
	8 54	2		33	W	15	Cn
	9 20			18	W	Low.	Bright.
	8 54	2 5		15	W	15	Ca.
	54		10		W	30	Ca. Slants northwards.
	54		16		W	45	Ca.
	54	4	41		W	45	Ca. Very faint.
	10 17		45 5		W	10	Observed in a bright sky Ca photograph 8h 54m.
January 15. S.S.	8 23	3	38 5	..	N	120	Cn. Narrow at top.
	23	0 5	26		E	15	Ca.
	9 2	2	21		E	10	
	8 50	3 5	Equator.		E	60 ±	Very faint.
	55	6	18		E	20	Connected by a Ca streak.
	51	1 5	31		E	20	
	23	1	34		E	15	Faint.
	47		48 5		E	25 ±	Very faint.
	42	0 5	65 5		E	20 ±	Narrow at top.
	9 55	2 5	68 5		W	30	Cn.
	8 23		53		W	60	150'' in Ca.
	9 44	2	49		W	50 ±	
	12		42		W	15	
	41		34		W	10	
	40	1	14		W	10	
	40	1	12		W	15	
	30	1 5	10		W	40	Metallic, D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
	30	1 5	14		W	25	Metallic, D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
	18	2	33 5		W	20	
	16	0 5	41		W	25 ±	
							Seeing poor. Ca photograph 8h 23m.
January 17. S.S.	10 18	1 5	56 5	..	E	45	Cn.
	18	4	88 5		E	35	On.
	56	1	21		E	15	
	47	0 5	1 5		E	15	
	46	2	8		E	10	
	45	7	15 5		E	25	
	12	5	31 5		E	30	
	11		48 5		E	15	
	9		73		E	20	
	8	0 5	84 5		W	15	
	27		46		W	90	Cn.
	27		44		W	15	Cn.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908. January 17. S.S. —contd.	H. M.	°	°	°		"	
	10 27	1 5	.	33	W	30	Ca.
	27	2	.	18	W	30	Ca.
	27		Equator.		W	20	Ca.
	27	1	32		W	15	Ca.
							Observed only between P.A. 60° and 180°. Weather bad.
							Ca photographs { 10h 18m E. limb.
							10h 27m W. limb.
January 18. K.V.S.	9 20	1 5	60	...	E	20	
	20	2 5	57		E	25	50" high in Ca
	20	0 5	53		E	25	
	18		45 5		E	—	Low jet.
	20	1	42 5		E	65	Ca Top extends for 4° towards north.
	17		37		E	20	Connected to the last in Ca
	17	1	30 5		E	Low.	
	20		7 5		E	60	Ca.
	15	2		1	E	80	A Ca streak from top extends as far as P.A. 94°. There were also other Ca streaks near base.
	10			18 5	E	15	Nearly detached cloud. In Ca it is 9° long.
	5	1		27	E	15	Bends southwards. Faint.
	20			32 5	E	35	Ca. Detached.
	20			35 5	E	30	Ca. Slants eastwards,
	0			58	E	10	Bright jet. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ bright.
	47	0 5		62	W	15	
	45	8		51	W	100	Faint. Filamental.
	20			4 5	W	15	Ca.
	20			1 5	W	15	Ca.
	20		4'5		W	40	Ca.
	20		68		W	15	Ca.
	20		75 5		W	20	Ca. photographs 9h 20m and 8h 56m.
January 19. S.S.	9 43	0 5	84	...	E	10	
	41	4	68 5		E	10	Low. Metallic, D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ , bright.
	9		61 5		E	20	Ca.
	38	5	57		E	80	Narrow at top
	32		20		E	10	
	31	1	5		E	15	
	28	3		0 5	E	55	
	24	6		29	E	20	
	18	5		84	W	10	
	10 14	0 5		89 5	W	15	
	12	1		55 5	W	90 ±	190" in Ca.
	9	2		50 5	W	40	
	4	8		34	W	30	Top flows as far as lat -26° W.
	2			26	W	20	
	9 59			17 5	W	80	See Note.
	55			9	W	10	
	54	1		6	W	10	
	58	1	4'5		W	10	
	9		28		W	20	Ca.
	9	1	48'5		W	20	Ca.
	45		58 5		W	20	Ca. photographs 9h 9m and 9h 59m.
January 20. K.V.S.	9 18	1	80		E	10	
	10	6	58		E	90	
	0		5		E	45	Faint arch
	8 55	11		17	E	25	
	52			26 5	E	20	Ca.
	50	1		83 5	E	15	Top broader.
	45	0 5		43 5	E	40	
	45			47	E	35	} Tops connected
	46	1		51	E	15	Top is connected to the last by a Ca streak.
	9 47	6		49	W	70	An arch. 50" high in Ca.
	40	1		39 5	W	55	
	40	1		31	W	35	See Note (1).
	28			17 5	W	20	See Note (2).
	8 52	10	28 5		W	20	Ca.
	9 20	2	38 5		W	80	} Tops connected by Ca streaks which extend as far as P.A. 311°
	20	1 5	41 5		W	80	Ca photographs 8h 52m, 9h 16m and 10h 40m.

Date and observer.	Hour I S T	Base.	Latitude.		Limb	Height.	Remarks.
			North.	South.			
1908.	H M	o	o	o		4	
January 21. S.S.	9 13	5	59	..	E	100	Narrow at top.
	10	52			E	30	Ca. A streak 5° long parallel to limb.
	11	3	45		E	60	
	10	4	32		E	30	Cn.
	4	2	14		E	15	
	10	1	6		E	20	Ca.
	2	0 5		7	E	10	
	8 58	11	18 5		E	40	
	56	0 5	26 5		E	20	
	54	2	31		E	20	
	53	0 5	37		E	15	
	50	1 5	43		E	40	
	49		46		E	50	
	47	1 5	48 5		E	45	
	35	0 5	77		W	10	
	9 48	0 3	66 5		W	25	
	41	2	62 5		W	15	
	40	1 5	47 5		W	20	
	37		38		W	20	
	35	2	85		W	25	
	10		27		W	50	
	10		22		W	30	Ca. Not on photograph taken at 9h 50m.
	30	2	7		W	15	Ca
	25	2	27		W	00	
	22	1	40		W	40	
	22		43		W	40	
	18		50 5		W	15	
	10		80 5		W	15	
							Ca. Ca photographs 9h 10m and 9h 50m.
-January 22. K.V.S.	9 10	4	62		E	50	90° in Ca.
	8 32		58		E	30	Ca. Detached.
	9 5	3	46		E	60	
	5		42 5		E	20	
	0		2 5		E	10	
	8 55	1 5		18	E	20	A streak from top goes parallel to limb for over 5° towards south.
					E	10	Connected to the last by a Ca streak.
	52	1	27		E	10	Ca. A detached cloud.
	32		27 5		E	100	
	32		28 5		E	110	
	50	3	46		E	60	
	9 37		83		E	20	Two prominences close together.
	8 32		72		W	50	Bright jet Became faint a minute later.
	32		68		W	00	Ca. Do
	9 35	4	53		W	10	
	8 32		39 5		W	15	
	32		14 5		W	20	Ca. Detached
	9 34	0 5	11 5		W	15	Connected to last by a Ca streak.
	33	2 5	5 5		W	15	
	32	1	3 5		W	30	Top bends northwards.
	30		17 5		W	20	Top bends southwards.
	27		26		W	10	
	25	3 5	30		W	50	
	25	2	39 5		W	50	
	15	1	49		W	25	
							Top bends towards the last. } Continuous in Ca.
							Ca photographs 8h 32m and 9h 31m
January 23 S.S.	9 20	4	61 5		E	65	
	20	3	59 5		E	40	
	20	2	55 5		E	20	
	17		46		E	60	
	16		41		E	20	
	3	1		16	E	10	
	34			29 5	E	80	Ca. Two little streaks far away from limb.
	0	1 5		87	E	10	
	8 58	5		47	E	55	
	9 34			66	W	90	
	57	4		49 5	W	30	
	48			17	W	65	
	48	5 5		16	W	10	
	48	1 5		9	W	10	
	44			15	W	10	

Date and observer.	Hour I S T.	Base	Latitude.		Limb.	Height.	Remarks.
			North	South.			
1908.	H. M.	°	°	°		"	
January 23. —contd.	S.S.	9 39	10	48	..	W 10, 25 & 65	Three prominences connected to one another.
		35	15	51·5		W 10	
		32		61·5		W 10	
							Ca photographs 9h 34m, 15h 19m, 8h 19m and 8h 59m.
January 24. K.V.S.		8 50	0·5	84·5	...	E 20	
		50		69		E 15	
		50		68		E 30	
		9 5		49		E 60	
		8	1	36·5		E 30	Faint
		0	1	20·5		E 30	
		8 50		16·5		E 15	
		55	7	6		E —	
					7·5	E 70 to 130	
		50	2		17·5	E 10	
		40	2		49	E 20	
		50			68	E 40	Ca prominence is 6° broad and 30" to 50" high. Ca. Slants southwards.
		50	5		64·5	W 30	
		9 50	0·5	30		W 20	
		50	0·5	27·5		W 20	Slants towards the last.
		44	4	13·5		W 20	Ca prominence extends 6° further west.
		35	8	0·5		W 15	Ca prominence is 8° broad
		30		11		W 25	Detached cloud Connected to the last by a Ca streak
		26		33·5		W 20	
		26		35·5		W 20	
		23	4	46		W 35	
		23	1	50·5		W 10	Ca photographs 8h 50m, 8h 39m and 8h 24m.
January 25	S.S.	9 21		71		E 25	Detached. Connected to limb in Ca.
		8 27		67		E 15	Ca.
		9 18		53·5		E 25	Slants northwards
		13	12	37		E 130	More continuous in Ca than in hydrogen.
		10	6	27		E 15	
		7	0·5	21		E 20	Top meets limb again at lat. + 17° E. See Note.
		58	1·5	5		E 180	Metallic. D ₁ , D ₂ , 5, 316·8, b ₁ , b ₂ , b ₃ , b ₄ , 5, 018·6, 4, 924·1 bright
		8 58	3		5·5	E 10	Do. do.
		52	5		39·5	E 20	Ca A short streak parallel to limb.
		27			45·5	E 45	
		48			54·5	E 10	
		47	0·5		56·5	E 25	
		46			60·5	E 15	
		45			67·5	E 35	
		45	2		74	E 35	
		41			79·5	E 20	
		39			83	E 10	
		27			81	W 15	Ca.
		10 10			74·5	W 40	
		7	0·5		41	W 10	
		6	8		25	W 10	
		3	2		16	W 15	Connected in Ca
		2		2		W 25	
		0	4	12		W 80	
		9 44	3	32·5		W 20	
		41	1	48·5		W 45	
		8 27	1	80·5		W 15	
							Ca. Ca photographs 8h 27m, 8h 52m, 9h 40m, 8h 53m, 9h 57m.
January 26	G.N.	9 4	..	65		E 15	Ca.
		4		41·5		E 20	Ca.
		4	2	37·5		E 120	Bends to north and extends to P.A. 35°.
		4		8		E 180	Detached from limb.
		0	1·5		39·5	E 35	
		8 59	1		45	E 15	
		57			56	E 30	
		9 4			82	E 40	Ca

Date and observer.	Hour L.S.T.	Base.	Latitude,		Limb.	Height.	Remarks.
			North.	South.			
1908. January 26. G.N. —contd.	9 4	°	°	"	E	30	Ca.
	55	...	..	84°5	W	70	
	4			80	W	10	Ca.
	10	2		58	W	15	A streamer extends to P.A. 254° in Ca.
	4		83°5	14°5	W	15	Ca photograph 9h 4m. Sky poor for visual observation.
January 27. S.S.	8 58	3	40 5	..	E	20	
	52		36 5		E	40	Ca. Detached.
	55	10	29		E	10	
	52	0°5		8	E	10	Ca. Very faint.
	45	6		45 5	E	35	
	52			51 5	E	40	
	39	4		68 5	E	25	
	36	1		80 5	E	20	
	35			83	E	35	
	34			84	E	20	
	31	0°5		80°5	W	150	Detached.
	9 28	1		71	W	10	
	17	1°5		30°5	W	25	
	16			23	W	25	
	8 52	2		20	W	15	
	9 13	4			W	10	
	8 52		14		W	30	
	9 11	0°5	16		W	10	Ca. }
	8 52		23		W	20	Connected.
	52		32		W	15	Ca. }
	52		38		W	10	
	9 9	0°5	40		W	10	
	9	8	42 5		W	10	
	5		65 5		W	25	
							Ca photograph 8h 52m.
January 28. K.V.S.	8 37	...	84°5	..	...	10	Ca.
	37		84		E	10	Ca.
	37	4	66 5		E	10	Ca.
	9 15	2	60 5		E	25	Top 5° broad in Ca. Filamental.
	8 37		56 5		E	15	Ca.
	37		53 5		E	15	Ca.
	37		40 5		E	25	Ca.
	9 10	2°5	35 5		E	20	Faint arch }
	8 37	2	38 5		E	20	Connected. Ca. }
	9 8	2	28		E	15	
	8 37		26		E	60	Ca. Two prominences.
	9 6		19		E	15	Connected to the last by a slanting Ca streak.
	8 37		8		E	45	Ca. Two prominences.
	9 5	1		25	E	20	See Note.
	8 55	4		44°5	E	35	An arch.
	55			40 5	E	10	Connected to last by a Ca streak.
	44	0 5		59 5	E	50	Slants southwards nearly meeting the next prominence.
	44	1 5		63 5	E	50	Ca.
	87			70	E	20	Detached. Connected to last prominence by a slender Ca streak.
	11 58			78	E	150	
	8 30			82	W	20	Slants westward. An arch 4° broad in Ca.
	9 36			38	W	80	Ca. Slants southwards.
	8 37			26	W	25	Slants southwards.
	9 34	0°5		24	W	25	
	30			12	W	Low.	Bright. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
	30			6	W	Low.	Ca.
	8 37	8	5°5	2	W	50	A streak runs parallel to limb for 8° towards north.
	87	8			W	25	
	9 25		35		W	30	Connected by Ca streaks.
	20	2	40		W	35	
	8 37		57 5		W	10	Ca.
							Ca photographs 8h 37m and 8h 55m.
January 29. S.S.	9 20	...	59 5	.	E	30	
	20		50 5		E	30	
	11		27 5		E	70	See Note (1).

Date and observer.	Hour L.S.T.	Base.	Latitude.		Lamb.	Height.	Remarks.
			North.	South.			
1908. January 29. —contd.	S.S.	H. M.	°	°	"	"	See Note (2). Bright, metallic. Bright lines same as in last prominence.
	9 0	4	9	...	E	30	
	8 56	3·5	14	E	35		
	52	0·5	26	E	20		
	51	0·5	38	E	10		
	48		39·5	E	15		
	48	3	43·5	E	20		
	48	1	47	E	10		
	44	1	51	E	10		
	42		58·5	E	70		
	42	1·5	61·5	E	50		
	39	2	68·5	E	20		
	9 49		32·5	W	70		
	45	1·5	27	W	25		
	44	14	18	W	25		
	41		7	W	20		
	41		4	W	10		
January 30. K.V.S.	8 55	3·5	36	W	25		
	9 12	3	54	...	E	35	
	5	2	34	E	25		
	5	1·5	28	E	45		
	8 58		12	E	20		
	50	3	4·5	E	25		
	45	1·5	12	E	30		
	9 32		30	E	10		
	8 40	0·5	40·5	E	10		
	40		45·5	E	10		
	38	1	65·5	E	Low.		
	35	0·5	79·5	E	15		
	9 40	26	19	W	15 to 60		
	25	2	12	W	15		
	20		89	W	50		
	15	1	57	W	20		
	32	2	61·5	W	10		
January 31. S.S.	9 15		75	E	15		
	12		60·5	E	80		
	10	1	57·5	E	20		
	5	2	38·5	E	10		
	8 56		16	E	15		
	51	1	26	E	15		
	46	1	48·5	E	20		
	41	0·5	75	E	10		
	39	0·5	78·5	E	20		
	38	2	82	E	25		
	38	8	31	W	10		
	34	0·5	18	W	30		
	49		15	W	30		
	9 32		3	W	15		
	8 49		28	W	80		
	9 28	7	26·5	W	10		
	8 49	0·5	40·5	W	120		
February 1. K.V.S.	9 24	1·5	58	W	60		
	20		71	W	10		
	9 5	.	61·5	E	25		
	8 55	1	5	E	10		
	55	4	13	E	40		
	45	1	50	E	20		
	48	1	78·5	E	85		
	48		81	E	40		
	9 18	0·5	38	W	15		
	18		80	W	10		
	8 55	1	28	W	80		
	9 15		21	W	25		
	15	1	16	W	35		
	15		11	W	20		

A streak 7° long passes through the tops of these.

Ca. A short streak parallel to limb.

Ca. Base extends to lat. +64° W in Ca.

Very faint.
Ca photograph 8h 49m.

Ca. Meets the top of the next prominence.

Connected at top.

Date and observer.	Hour L.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M.	*	*	*	*	*	
February 1. K.V.S. —contd.	8 55	2	..	7	W	15	Ca. Connected to the last.
	55		Equator.		W	15	Ca.
	55		19		W	25	Ca.
	55	1	40 5		W	25	Ca.
	55	3	58		W	30	Ca.
	55	0·5	62·5		W	20	Ca.
							Ca photographs 8 ^h 55 ^m and 8 ^h 27 ^m .
February 2. K.V.S.	9 10	...	75	...	E	10	
	5		56·5		E	10	
	10 0	9	40		E	40	Ca.
	0	3	8		E	90	Ca. A streak from top runs parallel to limb for about 15° towards east. See Note.
	8 42	0·5		29	E	15	
	10 0			32	E	15	
	8 38	3		49	E	20	
	35	1		78·5	E	30	
	10 0			75	W	10	Ca.
	9 40	1·5		72	W	20	
	10 0	1		59 5	W	25	
	9 30	2		31 5	W	45	
	25	1·5		28	W	20	
	25	1·5		19	W	25	
	10 0	1		16	W	15	Ca
	9 20	3	58	16	W	30	Two prominences. Ca photograph 10 ^h 0 ^m and 8 ^h 45 ^m .
February 3. S.S.	9 18	..	74	...	E	10	
	10	1	54·5	...	E	10	
	8 59	1	2·5		E	25	
	55	1		17·5	E	20	
	51	1		49·5	E	25	
	81	3		74	W	20	
	9 38	3		51·5	W	15	
	35	1		38	W	50	
	88	2		35	W	10	
	50	0·5	4		W	15	Ca.
	50		50·5		W	15	Ca.
	24	1	59·5		W	10	
	21	1	64·5		W	10	
							Ca photograph 9 ^h 50 ^m
February 4. K.V.S.	9 5	0·5	28	...	E	20	
	5	0·5	24	...	E	10	
	8 58		5		E	40	Top broader.
	48	1		2	E	20	Slants towards east
	28			38·5	E	10	
	35			45	E	20	
	85	2		48·5	E	35	Faint.
	9 50			64·5	E	25	
	55			80	W	10	Three small prominences.
	48	7		57·5	W	105	Ca. Eruptive. The height was 65" at 8 ^h 50 ^m , 80" at 9 ^h 16 ^m and 105" at 9 ^h 55 ^m .
	40	8		37·5	W	50	
	38	4		29·5	W	10	
	34			17	W	20	Arc-like. A streak runs parallel to limb for about 3° towards south.
	55			1	W	20	Top bends towards south.
	28	8	13		W	70	Ca.
	23	2	29		W	30	
	23		38·5		W	20	Arc-like.
	55		44·5		W	30	Ca. Detached.
	15		56·5		W	20	
	15		62·5		W	25	
							Connected in Ca.
							Ca photographs 9 ^h 55 ^m , 8 ^h 40 ^m and 9 ^h 16 ^m .
February 5. S.S.	9 25		78·5		E	15	
	23		64		E	10	
	8 57		46·5		E	35	Ca.
	57		84·5		E	10	Ca.

Date and observer.	Hour I.S.T.	Base.	Latitude,		Limb.	Height	Remarks.
			North.	South.			
1908.							
February 5. S.S.	H. M.	o	o	o	"	"	
—contd.	9 19	2	81	...	E	20	Slants towards and meets the last.
	8 57		13		E	50	Ca.
	9 12	13	8°5		E	30	Two Ca streaks connect this to the next.
	8 8	8		11	E	20	Metallic, D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ . 5,816°8, 5,018°6, 4,924°1 bright. Nothing in Ca except at lat. — 8° E.
	8 59			21	E	10	
	55			38°5	E	20	
	50	0°5		62	E	10	
	46	2		79	E	30	
	9 47			57°5	W	10	
	45	2		47 5	W	30	Eruptive. The various Ca photographs and the visual observations show considerable change in the prominence.
	44			41°5	W	60	
	42	0°5		38°5	W	10	
	37	8	4		W	10	
	34		23		W	15	Slants northwards.
	34	4	29		W	25	Do. Double.
	32	1	48°5		W	10	
	28	4	59°5		W	20	
							Ca photographs 8h 57m, 8h 31m and 9h 25m to 9h 32m.
February 6. K.V.S.	9 20	6	41°5	...	E	20	45" high in Ca.
	8 35		28		E	10	
	9 15	8	20		E	15	
	15	1	14		E	15	
	10		3°5		E	15	Detached. Ca prominence is an arch 5° broad.
	8 35			16	E	15	Ca.
	9 8	0°5		21	E	10	
	5			28	E	10	Slanting eastwards.
	3			44°5	E	20	
	0			66	E	25	
	50	2		46 5	W	50	Slanting southwards for about 7°.
	8 35	1		15	W	15	Ca.
	9 45	1		8	W	10	
	43	9	6°5		W	25	
	8 35	0°5	58°5		W	25	Ca. A streak at top parallel to limb.
	9 35	1	60		W	30	A Ca streak passes westward from the middle of it. Ca photographs 8h 35m and 9h 4m.
February 7. S.S.	9 57	...	82	...	E	10	Faint.
	54		51°5		E	30	
	54		48°5		E	50	
	52		44°5		E	40	Detached.
	49		35		E	10	Do.
	48	6	25		E	25	Narrow at top.
	41	2	11		E	10	
	39		8		E	10	
	38	4	2		E	30	
	11	1		1°5	E	10	Very bright. Slightly higher at 9h 35m. } See Note.
	9	9		7°5	E	30	
	6	0°5		17	E	10	
	5	1°5		25	E	30	
	2			36	E	20	
	0	1°5		44°5	E	15	
	8 55	2		79	E	20	
	52	2		88	W	20	
	10 16	7		50	W	70	
	11	12		28	W	25	
	7	4	26		W	20	
	4	2°5	48°5		W	60	Faint.
	8 29		47°5		W	25	Ca.
	29	3	51°5		W	20	Ca.
	9 58	0°5	58°5		W	10	Ca photographs 8h 29m and 8h 2m.
February 8. K.V.S.	9 28	..	82	...	E	10	Ca.
	28	0°5	69		E	10	Ca.
	28		65°5		E	25	Ca.
	28		63°5		E	10	Ca.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M.	"	"	"		"	
February 8. K.V.S. —contd.	9 5	1	46° 5'	.	E	20	Ca prominence is 5° broad and 65" high.
	0		36 5		E	80	Connected by a Ca streak.
	0	1	33		E	35	
	28		28		E	25	Ca. Slants northwards to meet the last.
	28	0° 5	25		E	40	Ca
	8 53		12		E	30	A cloud. Connected to base in Ca.
	53	2	9		E	15	Arch. Ca prominence is 45" high and continuous with the last. See Note
	48	2		6	E	25	
	45		29		E	Low.	
	41		34		E	15	
	38		79° 5'		E	15	Two prominences connected to each other.
	32	1	60° 5'		W	10	
	80	5	52		W	35	Ca prominence is 60" high and extends from Lat. —62° W to —42° W.
	9 20		45° 5'		W	10	
	8 38	13	32 5		W	40	
	28		19		W	150	On. A broken slanting streak extending as far as Lat. + 1° 5' W.
	20	3		10° 5'	W	15	
	16	1	33		W	10	
	14	2	44 5		W	15 ±	Faint. Tops connected by a Ca streak. The streak extends towards west as far as Lat. + 26° W.
	28		54 5		W	30	Ca
	13	0° 5	58 5		W	15	Faint.
	28	1	67		W	15	Ca.
							Ca photographs 9h 28m, 9h 2m and 8h 37m.
February 9. G.N.	9 20	...	57° 5'	...	E	20	
	8 38	1	49° 5'		E	90	Ca.
	36		48° 5'		E	90	Detached from limb. Ca.
	36		39		E	15	Ca.
	36		37° 5'		E	30	Ca.
	36		35		E	30	Ca.
	36		21		E	25	Ca.
	36		14° 5'		E	30	Ca.
	9 17		9		E	15	
	15	7	4° 5'		E	45	
	15	2	18		E	10	
	12	4	18		E	30	
	12	2	24		E	30	Joined at top.
	9		31° 5'		E	70	
	8 36		52° 5'		E	20	Detached from limb.
	5		70		E	10	Ca.
	86		78		E	30	Ca.
	9 11		79° 5'		E	20	
	8 36		88° 5'		E	10	
	86		64		W	10	Ca
	86		62° 5'		W	45	Ca.
	86		48° 5'		W	70	Ca.
	9 50	18	37° 5'		W	45	
	8 36		Equator.		W	120	On. Streamers extend on both sides.
	9 30	1	38° 5'		W	45	Short prominences in Ca extend up to P.A. 279°.
	80	3	40° 5'		W	65	Streamers extend in Ca up to P.A. 309°.
	8 38		56 5		W	120	Ca
							Ca photographs 8h 38m and 9h 6m.
February 10. S.S.	9 6	0° 5	58° 5'	...	E	10	
	5		52° 5'		E	10	
	8 59		20		E	10	Very faint.
	9 11			16	E	40	Ca.
	8 54	0° 5		25	E	15	
	9 11			28	E	75	Ca. Connected.
	8 52			31	E	60	
	48	1		47° 5'	E	10	
	44			75° 5'	E	40	
	41	2		81	E	20	Connected in Ca.
	38			78° 5'	W	10	
	9 45	1		71	W	25	
	43	1° 5		47° 5'	W	65	Faint.
	34	8		41	W	10	30" in Ca.

Date and observer.	Hour L.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M	*	°	°		"	
February 10. S.S. —contd.	9 24	20	84·5	..	W	90	Changing.
	11	1	52		W	25	Ca.
	15	1·5	59·5		W	10	
	14	0·5	65		W	25	Very faint. Ca photographs 9h 11m and 8h 53m.
February 11. K.V.S.	9 0	0 5	27 5	.	E	15 ±	
	8 38	1	1		E	15 ±	
	80	4		82·5	E	45	Ca.
	80	9		45	W	60	Ca. Archlike.
	9 12	0 5		7	W	25 ±	
	10	1	32		W	20	A Ca streak at top.
	8 80		38·5		W	80	Ca.
	80		38·5		W	40	Ca.
	80	2	44·5		W	20	Ca.
	80		58·5		W	25	Ca.
	80		60·5		W	20	Ca.
							Observed in a bright sky. Ca photograph 8h 30m
February 12. S.S.	8 49	...	69·5	.	E	10	Ca.
	49		66·5		E	10	Ca.
	9 10		64·5		E	10	
	8	1 5	51·5		E	20	
	3	2	25		E	10	
	8 56	11		22·5	E	20	
	45			78	E	20	
	43			82	E	15	
	41	8		82·5	W	50 ±	See Note (1).
	49			57·5	W	15	Ca.
	49			50·5	W	90	Ca. Double.
	10 15	4		48·5	W	60	Very faint. Tall only at southern end 10" high at other places.
	15	2		85·5	W	60	
	20			31	W	50	Detached.
	9 38	0·5		28	W	10	
	81	1		15	W	10	
	80			13	W	70	See Note (3).
February 13. K.V.S.	8 49			8	W	65	Ca. Very bright. Broad at top.
	49	8	25·5		W	10	Ca.
	9 16	0·5	49·5		W	10	
	8 49	0·5	51·5		W	10	Ca.
	49		58·5		W	15	Ca.
							Seeing mostly poor. S.W. quadrant observed a second time from 10h 15m to 10h 25m. Ca photographs 8h 49m, 8h 38m, and 8h 22m.
	9 22	...	74	..	E	10	
	17		62·5		E	15	Ca.
	20		55·5		E	10	
	17		52·5		E	10	
February 14. K.V.S.	18	1	42·5		E	80	
	17		37·5		E	15	Ca.
	18	2	24		E	20	A streak from top runs eastwards parallel to limb. In Ca. the streak nearly meets limb at Lat. + 18° E.
	15	2	12		E	15	Not found in Ca.
	17	0			E	90	Ca. Detached cloud.
	17	3			E	20	Ca
	12			7·5	E	Low.	Bright.
	10			18	E	10	
	8 48	2 5		18·5	E	20	
	9 17	1		83·5	W	15	Ca.
	8 43			82·5	W	20	
	9 17	3		80·5	W	20	Ca
	50	1		76·5	W	15	Ca. prominence is 40" high.
	17	1		71	W	45	Ca. A streak from top running towards east.
	17	1		61·5	W	10	Ca.
February 15. K.V.S.	11 55	1·5		56·5	W	40 ±	Faint. 60" high in Ca.

Date and observer.	Hour I.S.T	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South			
1908.	H. M.	o	o	o		"	
February 18. K.V.S. —contd.	9 17	0·5	..	41·5	W	60	Ca] Tops connected by a Ca streak which
	48			37·5	W	70	} extends 8° further south.
	48			32	W	70	} Tops connected.
	38	4		15	W	15	
	38	1		11	W	60	Ca streaks at top run in different directions.
	17			6·5	W	80	Ca. Detached cloud.
	35		36·5		W	35	Detached.
	12 0		47·5		W	15	
	9 17	0·5	52·5		W	50	On
	17	2	55·5		W	15	Ca.
							Ca photographs 9 ^h 17 ^m and 8 ^h 44 ^m .
February 14. S.S.	11 28	...	29·5		E	10	
	19		Equator.		E	20	
	18		8		E	30	Detached.
	17		15		E	10	
	14		20		E	20	
	10 42	1	74·5		W	20	
							Seeing bad. No photograph.
February 15. K.V.S.	9 18	4	57·5	...	E	50 ±	80" high in Ca.
	8 31		54·5		E	15	Ca.
	48	0·5	35·5		E	35 ±	50" high in Ca. Ca streaks at top extend on both sides.
	31		11		E	10	Ca.
	48	1	2·5		E	65	Top is connected to limb in Ca at Lat. —8° II.
	81		30·5		E	80	Faint. Detached
	9 48		82		W	30 ±	Faint.
	46		71·5		W	10	
	8 31		67		W	85	Ca.
	9 43		53·5		W	30	8° broad in Ca.
	40	1	47·5		W	20 ±	Faint.
	33	10	5		W	15	
	30	3	8		W	Low.	
							Observed in a bright sky. Ca photographs 8 ^h 31 ^m and 8 ^h 56 ^m .
February 16. K.V.S.	9 22		75·5	...	E	10	Bends towards north
	18	12	57·5		E	75	Two prominences. Filamental. Tops very faint. In Ca the prominence is continuous and 185" high.
	8 48	8	40·5		E	15	Ca.
	9 5	2	3		E	20	
	3	4	19		E	15	
	8 43		82·5		E	80	Ca. Slants towards east.
	9 0		37·5		E	15	80" high in Ca
	8 48		43·5		E	50	Ca. Detached streak slanting towards east.
	55		65·5		E	15 ±	Faint. Ca prominence slants towards east and is 2° broad and 25" high.
	48	8	82·5		E	20	Ca. Connected to limb at the two ends only.
	48	1·5	83		W	20	Ca. Arch.
	53		82·5		W	15	
	50		72·5		W	30	Nearly detached } Form an arch in Ca.
	50		68		W	60	Detached.
	48		62		W	15	Ca.
	43	5	56		W	15	Ca. Faint in hydrogen.
	43	18	42·5		W	30 to 60	Ca. Only 4° broad in hydrogen.
	43	6			W	10	Ca
	9 38	1	5		W	20	Top broader. A streak from top runs parallel to limb towards south. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ and b ₅ were faintly reversed.
	38		8·5		W	10	
	30		12		W	Low.	Metallic D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
	26	0·5	20		W	20	4° broad in Ca
	48		32·5		W	15	Ca.
	48	1	42·5		W	10	Ca.
							Ca photographs 8 ^h 43 ^m and 8 ^h 27 ^m .

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M.	.	°	°		"	
February 17. S.S.	9 24	5	58	...	E	55	Faint.
	16		18		E	10	
	18	5	0'5		E	60	Narrow at top.
	6	8		21	E	55	Narrow at top. Metallic; D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright. A streak from it meets limb at Lat. — 14° E.
	2	2'5		87'5	E	55	Narrow at top.
	8 55	2		66	E	35	Do. Very faint in Ca.
	10 14			70	W	60 ±	Faint. Changing. Height 180" in Ca at 9h 23m.
	13			66'5	W	20	Not found in some of the Ca photographs.
	12			58'5	W	15	See Note.
	0	0'5	7		W	15	
	9 58	0'5	20		W	10	
	81	1	24'5		W	10	
	81	0'5	27		W	10	
	81		29		W	10	
	8 57		30'5		W	10	Ca
							Seeing poor. Ca photographs 8h 57m, 9h 11m, 9h 24m, 9h 30m, 9h 44m, and 9h 51m.
February 18. K.V.S.	9 20	.	82	...	E	10	A bright jet.
	38	5	60		E	60	Ca
	38		35'5		E	10	Ca.
	15	0'5	19'5		E	10	Not in Ca.
	8	2'5		18	E	25	
	8 56	16		40'5	E	50 & 75	See Note (1).
	48	8		61'5	E	45	80" high at 9h 48m
	9 38			66	W	185	Ca See Note (2).
	45	25	0'5		W	85	
	30	1	27		W	15	
	30	3	34'5		W	20	
							See Note (3)
February 19. S.S.	9 21		57	...	E	10	
	15	0'5	36		E	10	
	15	1'5	33'5		E	20	
	15	0'5	30'5		E	15	
	6	6	4		E	20	
	4	1		8	E	10	
	8 9			15	E	45	Ca. Meets the next prominence
	9 1	1'5		20	E	20	Changing.
	8 57	0'5		43'5	E	10	
	54	2		54'5	E	85	4" broad at top.
	50			57	E	90	A streak 9" long parallel to limb.
	50			61	E	70 ±	Detached.
	9			77	W	10	Ca
	9			75'5	W	30	Ca. Detached.
	9			44'5	W	15	Ca.
	59	0'5		24	W	10	
	50	5		18'5	W	40	See Note
	47			8'5	W	20	
	45	2	Equator.		W	20	
	42	7	9'5		W	25	Metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ , 5,810'8, 5,018'6 ₄ . 4,924'1 bright.
	89	4	18		W	10	
	86	2	34'5		W	25	Narrow at top.
	86		89		W	10	
	9	0'5	64		W	15	Ca.
							Ca photographs 8h 9m and 8h 51m.
February 20. K.V.S.	9 12	1	61	..	E	10	
	8		55'5		E	25	Faint.
	8 58	0'5	85'5		E	20	Pointed at top.
	68	2	8		E	35	Two prominences.
	8			9	E	80	Ca. Detached high cloud.
	8	0'5		19	E	20	Ca.
	45	3		28'5	E		Chromosphere slightly elevated.
	43			45'5	E	15	Ca prominence is 2" broad.

Date and observer.	Hour I S T	Base	Latitude.		Limb.	Height.	Remarks
			North.	South			
1908.	H. M.	°	°	°		"	
February 20. K.V.S. —contd	8 35	0	78	W	20		
	8	0·5	75·5	W	20		The height was 30" at 10h 0m.
	10 2		72·5	W	15		
	9 58	1	49·5	W	10		
	8 8	0·5	23	W	25		Ca.
	8	0·5	21	W	10		Ca.
	8		6	W	35		Ca. Top bends toward west.
	9 46	1	7	W	20		}
	46	2	13	W	20		Tops bend toward each other
	28	2	29	W	25		
	28		30·5	W	25		Ca. prominence extends
	23	2	37·5	W	20		from Lat. + 28° W. to
							+ 38° W.
							Top bends toward last.
							Two prominences. Connected at top in Ca.
							Ca photographs 8h 8m and 8h 27m.
February 21. S.S.	10 15	...	56·5		E	20	
	13		48·5		E	20	
	1	3	18		E	10	
	9 57		3		E	15	
	52	2			E	10	
	8 39		29		E	25	
	10 51	0·5	77	W	25		
	38	1	68	W	25		
	34	1	35·5	W	30		
	32		42	W	10		
	31		48	W	20		
							Seeing poor.
February 22. G.N.	8 32	..	65		E	25	
	9 15	1	57·5		E	45	
	14		52·5		E	10	
	13		50·5		E	10	
	12		45·5		E	35	
	12	0·5	38·5		E	30	
	8 32		30·5		E	15	A streamer extends to P.A. 31° in Ca.
	32	2·5	27		E	15	Ca.
	9 10	5	2		E	20	Ca.
	9				E	15	
	9		3		E	10	
	7	4	7		E	10	
	6	2	35·5		E	10	
	8 32		48·5		E	70	
	0 3	4	53·5		E	70	Ca. }
	8 32		79·5	W	75		Meet at top.
	9 83		70	W	15		
	22	1·5	31·5	W	20		
	22	6	16	W	30		
			8	W	45		Steamers extend on both sides. There is a Ca streak above this prominence and detached from it.
	35		1	W	20		
	18	1	8	W	15		
	32		50·5	W	45		
February 23. S.S.	8 29	2	56·5		E	20	Ca.
	29	1·5	53·5		E	10	Ca.
	29		51·5		E	50	Ca.
	29	6	46·5		E	50	Ca.
	29	2	30		E	20	Ca.
			40		E	50	Ca.
	29		48·5		E	60	Ca.
	29		53·5		E	60	Ca. }
	9 7	1	75·5	E	10	Connected.	
	8 59		82·5	W	20		
	29	3	79	W	50		
	29		87·5	W	30		
	29		20	W	15		
	29	7	6·5	W	45		
	29	3	47	W	60		
							Visual observations were made between P.A. 140° and 180° only. Seeing bad.
							Ca photograph 8h 29m.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height	Remarks.
			North	South.			
1908.	H. M.	°	°	°		"	
February 26. K.V.S.	15 25	1	...	10°5	E	45	
	23			68	W	10	
	21	10		22 5	W	20	
	17		1		W	10	
	13		80 5		W	60 ±	
	0		40°5		W	10	P.A. 0° to 80° not observed Poor weather. No Ca photograph.
February 27. S.S.	15 7	.	77		E	10	Ca.
	9 16	0°5	60		E	10	
	16	1	58°5		E	15	
	13	7	45		E	40	
	13	0°5	38°5		E	25	
	11	1	32 5		E	30	
	10		29		E	10	
	15 7		43°5		E	20	Ca
	8 57	0°5	48°5		E	10	
	49		88	—		20	
	45		82°5		W	30	Very faint } In Ca, the two together form a single Faint } faint prominence 60" high
	9 46		57		W	10	
	43	1 5	26		W	40	
	40	0°5	21		W	15	
	37		11		W	10	
	36		5		W	15	
	34	0°5	9		W	10	
	33	7	19 5		W	25	
	27		58°5		W	10	
							Seeing poor. Ca photographs 15h 7m and 9h 30m.
February 28. K.V.S.	9 5	0°5	60 5		E	20	Nothing here in Ca.
	8 34	2	57 5		E	20	Ca. An arch.
	34		45°5		E	15	Ca Slants towards east for 5°
	55	22	7		E	20	
	34	3	46		E	20	Ca
	34		66°5		E	50	Ca. Nearly detached.
	40	1	88		W	60	
	40	1	82		W	60	Detached. 25" away } Ca prominence is con- from limb. nuous and 8° broad.
	40		73°5		W	15	Sharp jet.
	9 35	1·5	26 5		W	45	Middle of the prominence is connected to limb on both sides by streaks
	30	1	19 5		W	40	Top bends towards south Ca streaks on both sides
	25	1	7 5		W	30	Ca prominence is 5° broad.
	18	2·5	15		W	15	Slants towards west.
	8 34	1	30		W	15	
	34		35 5		W	15	} Ca Tops connected.
	9 12	1·5	41 5		W	20	
	10	2 5	49°5		W	20	
	8 34		80		E	15	Ca.
							Ca photographs 8h 34m and 8h 15m.
February 29. S.S.	9 22		82°5		E	15	
	20	1 5	62		E	25	A Ca streak from it slants eastward.
	8	19	2·5		E	20	
	8 59	7	22 5		E	40	D ₁ , D ₂ slightly bright at base
	51		58 5		E	10	
	49	1	62		E	20	
	49		65		E	10	
	45		80		E	80	Detached. Ca prominence is 2° broad at base, 6° at top and 120" high.
	37		62		W	10	
	9 45	2	36 5		W	25	Bright Not on Ca photographs.
	2	1	38 5		W	10	Ca.
	43	1	29·5		W	10	
	2		28		W	10	Ca.
	43	1	26		W	20	Slants northwards. } Connected in Ca
	41	1	23		W	40	Do. Prominences from — 26° W to
	39	1	18		W	20	+ 9° W were connected in Ca.
	39	1·5	10		W	20	

Date and observer.	Hour I.S.T.	Base.	Latitudo		Limb.	Height.	Remarks.	
			North.	South.				
1908.	H. M.	o	o	o		"		
February 29. —contd.	9 38		..	5 5	W	25		
	38	1 5	3	W	10			
	35	1	6	W	10			
	2		9	W	20			
	32		30	W	10			
	32		31·5	W	20			
	29	1	49·5	W	20			
	25		09	W	10			
							Bright at base. Small. Detached. Ca photographs 9 ^h 2 ^m and 8 ^h 25 ^m .	
March 1.	S.S.	10 20	.62	..	E	10		
		5	44·5		E	10		
	9 28	5	20·5		E	25		
	26		14	E	10			
	21	7	23·5	E	40			
	18		29·5	E	10			
	17	2	34·5	E	25			
	13		61	E	15			
	8 38		77	W	20			
	9 26		89·5	W	25			
	10 34	0·5	86·5	W	25			
	0	5	3·5	W	20			
	26		22	W	15			
	9 26		64	W	30 ±		On. Very faint. Seeing bad. On photographs 9 ^h 26 ^m and 8 ^h 44 ^m .	
March 2.	K.V.S.	9 4	..	46·5	..	E	25	
	10 5	5	27·5		E	40		
	9 53	3		5	E	35		
	4	1		21	E	80		
	80	2	32·5	E	20			
	80		35·5	E	25			
	10	1	70·5	E	25			
	4		88		35			
	3	4	80	W	120			
	4	4	37·5	W	30			
	4	2	29	W	80			
	4	6	3	W	90			
	4	0·5	23	W	15			
	4	0·5	39·5	W	30			
	4	1	57·5	W	60			
							Only half the limb observed on account of bright sky. Ca photographs 9 ^h 4 ^m and 9 ^h 58 ^m .	
March 3.	S.S.	9 3	.	55·5	.	E	10	
	0	3	50	E	40			
	8 57	9	28·5	E	45			
	53		13	E	10			
	28		9	E	10			
	28		6	E	10			
	51	15	4 5	E	45			
	47		23	E	20			
	28		38	E	20			
	43	3	41	E	30			
	28	0·5	49·5	E	20			
	37	2	70	E	25			
	9 35		80	W	10			
	31	3·5	40·5	W	15			
	30	2	36·5	W	45			
	27	8	28	W	65			
	8 28		20	W	60			
	9 20	4	4	W	15			
	20	7	10·5	W	15			
	17	1·5	29	W	30			
	15	0·5	36·5	W	50			
	13	0·5	45·5	W	15			
	9	3	60·5	W	20			
							Ca photographs 8 ^h 28 ^m and 8 ^h 15 ^m .	

Date and observer.	Hour L.H.T.	Base	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	. M.	o	o	o		"	
March 4. K.V.S	8 55	5	34°5	...	E	35	
	51		21°5		E	10	
	51	4	17		E	10	
	50	1	11		E	30	A streak at top runs parallel to limb for 4° towards east.
	48			8	E	25	A detached cloud Ca streak continuous with this is 10° long.
	40	2		12	E	15	Arch After 5m this became very faint
	38			18	E	40	15° away from limb. Faint. Changing.
	35	2°5		40°5	E	15	
	32			58 5	E	10	
	30			80	W	10	
	24			50 5	W	15	
	9 30	5	42		W	45	Ca.
	20	1	21		W	30	D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright. }
	8 24	0 5	18		W	30	Ca. Connected.
	9 15		15		W	10	
	15	0°5		11	W	Low.	20" in Ca. Tops connected by a Ca streak.
	8 24	0°5		4	W	30	
	9 12		1		W	15	
	12	4°5	4		W	15	
	12	1	10 5		W	10	Ca streak from this forms an arch with the base of the last prominence.
	8 24		12 5		W	10	Ca.
	9 10	8	16°5		W	25	Arch.
	8 24	5	27 5		W	10	Ca.
	9 4		31		W	15	
	8 24	9	36		W	30 to 65	Ca.
	24		44 5		W	10	Ca
	24		48 5		W	20	Ca.
	24		49 5		W	10	Ca
	24		47		W	30 to 90	Ca. Very faint. Slanting cloud detached from limb.
	24		58°5		W	15	Ca.
	24		80		W	10	Ca
							Ca photographs 8h 24m and 9h 5m.
March 5. S.S.	9 11	1°5	36 5	...	E	30	
	8	3	27 5		E	15	
	5	6	22		E	35	
	8 50	5	13 5		E	55	Bright, metallic. Whole prominence } Connected visible in D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ } in Ca.
	33			3	E	20	
	33			8	E	30	
	49	2		13	E	45	Slants northwards. Faint.
	48			18	E	25	A Ca streak about 60" high slants northwards from it
	40			70°5	E	25	Faint
	85			88	W	10	
	84			81	W	20	
	9 58	58	68		W	10	
	G.N.	58	44 5		W	60	
	58	2	26		W	70	
	50	2	19		W	90	
	S.S.	8 33	7		W	90	Ca. A streak slanting northwards
	9 36	1	4°5		W	10	
	20	14	89 5		W	100	Top narrow. Top faint in hydrogen.
	22	1°5	64		W	10	
	20	6	78 5		W	25	
							Ca photographs 8h 33m and 8h 18m.
March 6. K.V.S	8 17	7	27°5	.	E	25	Ca.
	15	2	21		E	40	Connected in Ca
	10	3	14°5		E	10	
	10	1°5	12		E	15	
	5	4	1		E	30	Connected in Ca. Ca prominence extends from
	0	7 5		24	E	35	Lat + 4° E to - 35° E.
	17	2 5		48 5	E	30	Ca. Three prominences.
	9 54	2		48 5	W	50	
	35	8		28	W	55	Connected in Ca. Ca prominence extends from
	35	1°5		22°5	W	25	Lat - 50° W to - 14° W
	8 17			10	W	120	Ca. A high detached streak 6° long

Date and observer.	Hour I.S.T.	Base	Latitude.		Limb.	Height.	Remarks
			North	South.			
1908.	H. M.	.	°	°		"	
March 6. K.V.S. —contd.	9 27	3		4°5'	W	Low.	
	8 17			1	W	120	Ca. A high detached cloud
	9 23		10		W	10	A Ca streak from the top of this runs to meet the limb at lat. — 3° W.
	8 17	1	18		W	30	Ca
	17		20		W	30	Ca Detached
	17	12	31°5'		W	20	Cu Several prominences with tops connected by a Ca streak.
	17		44°5'		W	50	Ca
	17	11	34°5'		W	50	Ca Several connected prominences of different heights.
							Observed mostly in a bright sky.
							Ca photographs 8h 17m and 8h 41m.
March 7 S.S.	8 12	.	70°5'		E	10	Cu.
	57	0°5	33°5'		E	10	
	54	2	24		E	25	
	12	0°5	20		E	20	Cu. Slants northwards
	50	15	6 5		E	40	
	45	2		4	E	20	
	12			8°5'	E	40	Cu. Slants northwards
	40	10		23	E	150	Three prominences meeting at top. More continuous at top in Ca.
	35	1		33	E	20	Connected to the last by a Ca streak
	33	3		45	E	10	
	10 57	1		73°5'	E	20	
	58			78	E	25	Very faint. Surmounted by a Ca streak.
	8 27			82°5'	W	30	
	12	1		79°5'	W	30	Cu. Slants eastwards and passes through the top of the last prominence.
	9 28	2		49°5'	W	60	Slants southwards.
	20	13		33	W	40	See Note (1).
	8 12			24	W	75	Cu. Slants westwards
	11 8			4 5	W	30	
	9 11	7	18 5		W	10	See Note (2).
	11 13	1	47°5'		W	25 ±	Faint. Cu prominence extends to lat. + 40°E, and is 60° high.
	9 8			59°5'	W	15	
	8 12			77	W	15	Cu.
							Ca photographs 8h 12m, 8h 28m and 8h 38m
March 8. K.V.S.	9 0	0°5	44°5'		E	45	Cu
	32	0°5	36		E	10	Ca prominence is 5° broad
	32	5	28 5		E	35 ±	A Ca streak runs eastwards.
	0		9		E	45	Cu
	0	3			E	15	Ca.
	0	1		1	E	15	Ca.
	0			3	E	10	Ca.
	23	3		21°5'	E	25	Ca.
	0			83	W	25 ±	(a prominence is 8° broad,
	0			80	W	25	Faint
	0	13		46	W	10, 15, 45	Faint.
	50			37	W	15 ±	Two prominences, one of which is higher in Ca.
	0			35°5'	W	10	Cu
	0			34°5'	W	20	Ca
	0			31 5	W	15	Ca.
	0		13		W	20	Ca.
	0	9	47°5'		W	60	Ca. Arch
							Observed in a very bright sky.
							On photographs 9h 0m and 8h 32m.
March 9. S.S.	9 17	2	60	..	E	25	
	13	1	48°5'		E	40	
	10	4	30°5'		E	40	A Ca streak proceeds eastwards from it.
	4	1	18		E	20	
	0	2	2		E	90	It slants as far as lat. + 13° E in Cu.
	8 57	1		10	E	20	Surmounted by a Ca streak 6° long.
	56	1°5		29	E	20	Double.
	55			40 5	E	10	

Date and observer	Hour I.S.T.	Base.	Latitude		Limb	Height.	Remarks.
			North	South.			
1908.	H M.	o	o	o	"	"	
March 9. —contd	S. S.	8 48	2	..	78	E 30	Double.
		40			81·5	E 10	
		9 47	0·5		57·5	W 80	
		47	0·5		55·5	W 80	Connected in Ca. Ca prominence extends 4° further west.
		47	1		51·5	W 20	
		39	2		7	W —	Low, bright points. See Note
March 10.	K.V.S.	8 50	1	51·5	.	E 20	
		48		42·5		E 10	Detached.
		45	5	29·5		E 15	Ca prominence extends from lat. + 39° E. to + 22° E.
		40		22		E 30	
		31		21		E 15	Ca.
		31		19		E 15	Ca.
		87	1	13·5		E 15	Ca prominence extends from lat. + 16° E to + 8° E.
		31		3		E 20	Ca
		30	6·5	61·5		W 20	Filamental.
		9 18		48·5		W 30	45" high in Ca. } Continuous in Ca.
		8 31	0·5	38·5		W 15	Ca.
		81		26		W 10	Ca
		9 10		7		W 15	D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright. } Ca. prominence ex- tends from lat. Several low prominences } tends from lat. — 13° W. to + 11° W.
		10		Equator to 5		W —	
		10		11		W 15	
March 11.	S.S.	8 22	2	55·5		E 15	Ca.
		22		40·5		E 10	Ca.
		22		37·5		E 10	Ca.
		9 20	1·5	22		E 20	
		14	1	6		E 20	} Tops connected in Ca. }
		10	2	12		E 60	
		10	1·5	18		E 40	} Tops connected at base } Very faint in Ca.
		10	1·5	23		E 20	
		8 58	1	50·5		E 10	
		56	0·5	66		W 10	
		9 50	0·5	28		W 35	
		8 22		10		W 10	Ca.
		9 44	2	2·5		W 10	
		39	1·5	34·5		W 40	
		87	1	42·5		W 10	
March 12.	S.S.	8 22	4	58·5		W 15	Ca.
		22		60		W 15	Ca
							Ca photographs 8h 22m and 8h 8m.
		9 30		81·5		E 15	Ca.
		31	5	44		E 45	Faint in hydrogen.
		28		38·5		E 10	
		30	0·5	24		E 15	Ca.
		26	8	11·5		E 15	
		23		7		E 10	
		21	4	Equator.		E 30	
		18	8·5	10		E 120	Are connected into a single group in Ca. Base extends to lat. — 25° E in Ca.
		18	2	15		E 60	
		18	1	19·5		E 30	
		8 58	1·5	27		E 15	
		55		39		E 20	Very faint A group of 4 prominences connected to one another. Ca.
		47	9	74		E 40	
		9 30		82·5		W 15	
		8 42	0·5	79·5		W 10	
		9 30		78		W 20	Ca.
		8 40		74·5		W 10	
		9 30	0·5	72·5		W 20	Ca. Slants as far as lat — 65° W.

Date and observer.	Hour L.S.T.	Base.	Latitude		Limb	Height	Remarks
			North	South.			
1908. March 12 --contd. S.S.	9 30	°	°	°	W	30	Ca
	53	1·5	..	54°5		30	Connected by a Ca streak
	51	3	41	W		25	
	44	1	30	W		10	Narrow at top Ca photographs 8h 30m and 8h 50m.
March 13. K.V.S	8 22	4	46°6	.	E	120	Ca. Faint
	9 20		24	.	E	45	Detached from limb. Connected to limb on both sides in Ca.
	12		15°5		E	Low	
	10	4	1		E	20	See Note
	8 55		12		E	70	A prominence 18° broad at top but connected to limb at 2 points only
	22		36°5		E	30	Ca. Small Ca streaks at top
	45	0·5	39°5		E	35	
	45	1	42°5		E	15	
	22		49		E	30	
	40	3	42		W	25	
	9 57		75°5		W	10	
	55		54°5		W	15	
	52		45°5		W	10	
	50	1	18		W	20	
March 14. S.S.	8 22		16		W	Low.	Ca } Tops connected in Ca.
	9 35	14	8		W	45	
	45	1	11°5		W	15	
	40	0·5	4°5		W	15	
	9 19	1	80	.	E	45	Ca photographs 8h 22m and 8h 35m.
	8 19	0·5	27	.	E	45	
	19	0·5	26	.	E	50	
	19	0·5	22	.	E	20	Ca Slants as far as lat. + 18°E.
	9 1	0·5	4	.	E	20	Ca
	8 57	2	38°5		E	35	A Ca streamer 6° long proceeds northwards from it.
	54		56°5		E	20	
	45	1	87		E	20	Faint.
	41		79°5		W	10	See Note.
	9 45	2	49°5		W	25	
March 15. G.N.	40		24		W	25	
	36	3	20		W	25	
	36	2	3°5		W	80	
	36	4	10		W	80	
	30	1·5	17		W	80	
	30	1·5	21		W	20	
	8 16	1·5	80°5	...	E	30	Ca photographs 8h 19m and 8h 34m.
	9 11	2	20	.	E	35	
	8 18		6	.	E	20	Ca streamer extends to P.A. 52°
	9 8	3	2	.	E	25	A Ca loop.
	8 8	4	8	.	E	25	
	8 16	2	10	.	E	15	
	9 5		23	.	E	15	
	5		27	.	E	15	
March 16. S.S.	4	3	38°5		E	70 & 30	
	25	5	53°5		W	60 & 20	
	25		49°5		W	40	
	8 16		47°5		W	20	Ca
	16		26		W	10	Ca.
	16		24		W	15	Ca
	9 22	7	7		W	45	
	18	17	25		W	55	
	15		57°5		W	25	
	9 34	2	56°5	...	E	25	
	9 30	10	42°5	...	E	50	Faint
	25	0·5	30	.	E	10	Narrow at top. Faint.
	23	7	20°5	.	E	60	
	15	6	5	.	E	40	
	15	5	8°5	.	E	20	} Tops connected.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height	Remarks
			North	South			
1908.	u. m	o	o	o	"	"	
March 16. —contd.	S.S.	9 9	0 5	13	E	60	
		7		24°5	E	20	Faint.
		3	4	36 5	E	40	
		8 53	2	80	E	15	
		49	0°5	71°5	W	20	
		47	0°5	69	W	10	It became a jet 20" high at 10h 4m.
		38		51 5	W	45	Ca.
		10 0	1	37 5	W	15	Faint, double
		8 33	0°5	30	W	15	Ca.
		9 53	14	8	W	30	
		53	1°5	10	W	40	
		53	18	13	W	20	
		48		29	W	50	A group of 5 prominences closely connected at base in Ca. connected to one another.
		41		68 5	W	10	Ca photographs 8h 33m and 8h 42m
March 17.	G.N.	9 32	4	40°5	E	70	Ca.
		81		39°5	E	10	
		30	8	25	E	50	
		27	10	5	E	60	
		23	2	11	E	25	
		20	1	98 5	E	35	
		16	2	45 5	E	25	
		8 34		58 5	W	30	Ca.
		9 49	2	86 5	W	15	
		48	1°5	25	W	25	
		44	9	12	W	20 & 25	
		40	16	30	W	65, 45 & 20	
		8 34		54°5	W	15	Ca photographs 8h 34m and 8h 15m
March 18.	S.S.	9 29	8	55	E	35	
		29	0°5	50°5	E	25	
		25	1	35	E	10	
		24	2	31°5	E	20	
		13	1	18 5	E	20	
		17	6	10	E	150 ±	See Note
		12	2	1	E	10	
		8 58	6	46°5	E	30	Not seen on Ca photographs. Metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
		58	0 5	53°5	E	10	
		54	3	60	E	40 ±	Faint
		9 58	8	12	W	25	
		58	1°5	3	W	60	Slanting southwards, detached from limb and 120" high in Ca
		52	14	9	W	50	Connected at base D ₁ , D ₂ , bright at base
		46	1	29°5	W	30	throughout
		44	5	33	W	35	Connected by 2 Ca streaks
		41	0 5	51°5	W	10	
		38	2	55°5	W	30	Ca photographs 8h 15m and 8h 30m.
March 19.	K.V.S.	9 15	1	68	E	10	Faint
		12	1	55°5	E	60	Connected in Ca
		12	0°5	51°5	E	80	
		5	4	35°5	E	20	Several sharp jets
		4	1°5	17	E	35	See Note.
		8 9		4	E	60	Ca
		52	2	10°5	E	20	Filamental.
		50	2	17	E	35	A streak detached from limb. The streak is longer in Ca
		48			E	35	Connected in Ca. Ca prominence extends over 36° of the limb.
		45	13	28 5	E	30	
		38	3	48	E	25	40" high in Ca
		9	1°5	47 5	W	20	Ca.
		9 50	11	12	W	40	A streak from top runs southwards parallel to limb.

Date and observer.	Hour I.S. T'	Base	Latitude		Limb.	Height	Remarks
			North.	South.			
1908.	H. M	°	°	°		"	
March 19. K.V.S. —contd.	9 40	15	21		W	40	A streak from top runs westwards parallel to limb.
	8 38		34 5		W	10	Ca
	8 9		55 5		W	20	Ca photographs 8 ^h 9 ^m and 8 ^h 23 ^m .
March 20. S.S.	9 19		74 5		E	15	Faint.
	19		71 5		E	30	Faint.
	14	0 5	62		E	30	} Tops connected in Ca
	13	2	56 5		E	30	
	8 27		42 5		E	30	
	9 10		40 5		E	10	On.
	8 59		19		E	60	Faint, detached.
	58	0 5	10		E	25	Ca prominence slants northwards and is 90° high.
	52	10	30 5		E	30	
	40		53 5		E	10	Very faint.
	27		77		E	20	Ca
	27		78 5		E	10	On
	37		63 5		W	10	
	9 55	0 5	59 5		W	10	
	54	0 5	45 5		W	10	2° broad in Ca.
	43	3	13		W	75	Slants southwards. D ₁ , D ₂ bright at base.
	42	0 5	4		W	10	
	40	0 5	5		W	10	
	38		10		W	100	± See Note.
	35	0 5	24		W	25	Slants northwards.
	30	12	48 5		W	50	
	8 27		62 5		W	30	On.
							Ca photographs 8 ^h 27 ^m and 8 ^h 10 ^m .
March 21. S.S.	9 18	1	75 5	...	E	10	
	17	5	61 5		E	40	
	8 29		52 5		E	20	Ca.
	29		42 5		E	50	Ca. Slants eastwards
	9 15		41 5		E	20	
	13	2	18		E	10	
	8 29		14		E	60	On. Slants northwards.
	9 10		35 5		E	25	
	10	5 5	40 5		E	25	
	8 59	7	59		W	25	
	9 32	1	24 5		W	20	
	30	1	12		W	10	
	29	2	6		W	15	Ca prominence slants northwards and was 35" high at 8 ^h 29 ^m and 60" high at 8 ^h 39 ^m .
	27	5	30		W	10	
	25	11	44		W	60	More continuous in Ca than in H.
	25		76		W	40	Very faint Detached.
March 23. G.N.	9 56	1	61	...	E	15	
	53	1	28		E	15	
	52	2	17		E	15	
	50	4		11	E	15	
	50			15	E	70	
	46			27	E	25	
	45			41 5	E	15	
	45	3		47 5	E	15	
	43	1 5		74 5	E	20	
	40			77	W	30	
	38			72 5	W	40	±
	38			70 5	W	15	
	10 20			14	W	15	
	15		6		W	20	
	15		9		W	20	
	15		26 5		W	50	
	15		36 5		W	45	
	12	1 5	47 5		W	40	

Date and observer.	Hour I.S.T.	Base.	Latitude		Limb.	Height.	Remarks.
			North.	South.			
1808.			°	°		"	
March 25. S.S.	9 52	2	58 5	.	E	10	
	49		53 5		E	30	
	46	1·5	48 5		E	40	
	45		42		E	25	
	35	2	30·5		E	20	
	27	2	22		E	25	Faint, conelike
	22		33 5		E	25	
	22	1	38		E	80	} Connected } Connected in Ca
	22		44 5		E	45	
	16	0 5	54 5		E	10	Connected in Ca. Ca prominence is 4° broad,
	16		57		E	30 ±	40" high and narrow at top.
	1	0 5	82 5		W	10	
	8 58		65		W	10	Detached both in Ca and H.
	10 40		44·5		W	10	Ca prominence is 3° broad and 120" high.
	9 29	2	21		W	30	
	29		10		W	60	Ca. Detached, slanting. 4° long.
	10 23	0 5	1·5		W	10	
	9 29	2	4		W	20	Ca. Double.
	10 16		52 5		W	25 ±	Detached; 2° long; 6° long and 60" high in Ca. Seeing poor.
							Ca photographs 9h 29m, 8h 29m, and 9h 3m.
March 26. K.V.S.	10 17	.	70	..	E	15	
	15	2	58·5		E	25	Two prominences connected at top.
	8 26	7	40		E	40	Ca. Faint
	26	1	36·5		E	15	Ca. Faint.
	26	2	5		E	15	Ca.
	10 7	2	8·5		E	15	
	7	1	13·5		E	15	} Tops connected in Ca
	5	0 5	19		E	15	
	8 45	8·5	41·5		E	50	8° broad in Ca.
	26	1	52 5		E	30	Ca. A streak from top runs eastwards. } Tops connected in
	38	1	56		E	15	Ca. 30" high in Ca
	35		76·5		E	10	Detached.
	82		81·5		W	Low.	
	30		65·5		W	Low	
	26		63		W	60	Ca.
	26	3	7		W	60	Ca. Slants southwards.
			36		W	30	Observed only half the limb on account of clouds. Ca photographs 8h 26m and 8h 15m.
March 27. G.N.	9 5	8·5	60·5	..	E	20	
	55	4	46 5		E	20	
	51		11		E	10	Ca.
	53	1·5	7		E	20	
	52	2	11		E	15	
	52	1 5	22		E	25	
	50	4	41 5		E	50 ±	90" in Ca.
	45	3	52 5		E	80 ±	
	51		75 5		E	20	Ca.
	51		68·5		W	30	Ca. S-shaped.
	44		40 5		W	40 ±	Connected by Ca cloud 60" high.
	48		33·5		W	40	
	43		30		W	40	Joins the previous prominence at top.
	10 0		17		W	30	Faint.
	9 59	1	11		W	10	
	59	2	4		W	20	
	51		Equator		W	15	Ca.
	51		11		W	30	Ca.
	51		21		W	20	Ca.
	51		42·5		W	30	Ca.
	58		48·5		W	15	
	51		68 5		W	20	Ca. Poor weather.
							Ca photograph 9h 51m.

Date and observer	Hour I.S.T	Base	Latitude		Limb	Height.	Remarks.
			North.	South.			
1908	H. M.	°	°	°	"	"	
March 30	S.S. —contd	9 28 26	0 5 3	1	9	W W	45 30
		24		10		W	20
		23		15		W	30
		21	25 5			W	25
		10 6	28			W	15
		9 19	32			W	20
							Seeing poor when observing the S.W. quadrant. Ca photograph 10 ^h 8 ^m
March 31.	K.V.S.	9 0	5	18 5	.	E	35 & 25
		8 20	1	10		E	20
		50	1	5 5		E	25
		50	2	2 5		E	25
		20	1.5		2.5	E	20
		20	1		6	E	45
		45	1		9	E	10
		40	9		14.5	E	20
		20	0.5		29	E	15
		20			33	E	20
		20	0 5		39.5	E	15
		30			67.5	W	25
		9 40	3		40	W	35
		35	1		36.5	W	15
		8 20	3		34	W	15
		20			30	W	10
		9 30	13		15.5	W	130
		20			8	W	10
		20	1.5	14		W	60
		15	1	20.5		W	25
		12		40		W	Low.
							Connected by a Ca 3° broad and 90" streak. high in Ca.
							Ca streaks at top. 35" high in Ca.
							Ca photographs 8 ^h 20 ^m and 8 ^h 30 ^m .
April 1.	G.N.	9 1		62	..	E	20
		0	1	32		E	15
		8 58	1.5	20.5		E	50
		58	1	23.5		E	30
		49		17.5		E	15
		56	4	11.5		E	40
		52	6	3.5		E	15
		52			1	E	15
		51			14.5	E	15
		51	4		18.5	E	15
		49	3		42	E	20
							Ca cloudlet extends from the top of this to P.A. 101°.
		48	1		55	E	25
		49			60	E	50
		49	3		51	W	100
		9 23	2		42	W	30
		20	11		27.6	W	35
		15	0.5		11.5	W	130
		9			2.5	W	20
		7	2	12.5		W	60
		5	9	26.5		W	15
		8 49	3	58		W	20
		9 3	5	63.5		W	20
		8 49		79.5		W	20
							Ca. A streamer extends to P.A. 210° and another to P.A. 306°.
							Ca.
							Ca photographs 8 ^h 49 ^m and 8 ^h 20 ^m .

Date and observer	Hour I.S.T.	Base	Latitude.		Limb	Height	Remarks.
			North.	South.			
1908.							
	H. M	o	o	o		"	
April 2	S.S.	9 45	..	57°5'	E	10	
		8 24		49°5'	E	30	
		9 43	1	40	E	Low	Ca. Detached
		42	5	31	E	60	Two points. Faint and 30" high in Ca.
		36	1°5	12°5	E	10	
		36		14°5	F	20	
		8 24		21°5	E	20	Faint
		9 31	2	26°5	E	60	On.
		8 24		44	E	15	A streak proceeds northwards from its top, it
		9 27		66°5	E	10	meets limb in Ca near the last prominence.
		14		54	W	50 ±	Ca. Faint.
		12	1°5	42	W	20	Faint except near base. Only 15" in Ca.
		7	18	30	W	90	
		2		19°5	W	150	A cloud with its base } Connected
		8 58	1	12°5	W	70	80" from limb } in Ca.
		24	5	5	W	10	
		24		35	W	30	Ca.
		24		9°5	W	10	Ca. Faint.
		10 8	2	14°5	W	80	Ca
		8 24		20°5	W	15	In Ca the southern end forms a separate pro-
		10 1		33°5	W	10	mence 10" high and the northern end is faint.
		9 55	14	63	W	35	Ca. Bends northwards over 4°
		8 24		76	W	15	
		37		80	E	40	Ca.
							Ca photographs 8h 24m and 8h 37m.
April 3.	G.N.	9 10	1 5	35	E	65	
		10	1	30°5	E	65	Connected at top
		8		12°5	E	15	
		8 32		6°5	E	40	Ca. Connected with the limb by 4 stems, and
		9 6		0°5	E	20	meeting prominences at P.A. 60° and 70°
		6	5	11°5	E	35 & 75	
		8 32		19°5	E	75	Ca.
		9 2		28°5	E	20	
		0		46	E	30	
		8 56		60	E	40	Arched cloud.
		32		77	W	20	Ca
		50	3	51	W	80	
		32		47	W	15	Ca.
		32		44	W	15	Ca.
		32		42	W	10	Ca.
		9 32		32°5	W	105	A huge cloud connected with the limb by 8 stems.
		31		23	W	160	Very bright in Ca.
		8 32		15	W	20	Ca.
		9 25	2 5	7 5	W	25	
		22	4	28°5	W	40	A streamer extends from top to P.A. 277°.
		20	5	58	W	25 & 70	
		20	1	65 5	W	70	Meets the last prominence.
							Ca photographs 8h 32m and 8h 16m.
April 4.	S.S.	8 18		82°5	E	20	
		9 49	1	57	E	25	Ca.
		8 13		50	E	20	Ca. Slender, vertical.
		13		49	E	30	Ca. Do. do.
		9 48	14	35	E	45, 60	45" at northern end, 60" at southern.
		27	8°5	26°5	E	10	
		8 18		22	E	30	Ca. A streak 3° long parallel to limb.
		9 18	26	0°5	E	30, 60	60" at the southern end only. Faint in hydrogen.
		8 13		20°5	E	30	Ca
		9 14	1°5	29°5	E	25	
		8 13	1	46	E	15	Ca.
		9 12	1	50	E	20	Faint.
		12		53	E	15	Do
		9	1°5	61	E	20	Double.

Date and observer.	Hour I.S.T.	Base.	Latitude		Limb	Height.	Remarks
			North	South			
1908.			°	°		"	
April 4. —contd.	S.S.	H. M.	°	°			
	9 7	..		73	E	10	
	8 18			80	W	25	Ca.
	9 1	3		51·5	W	40	Very bright in Ca
	8 56	12		38·5	W	100	See Note (1)
	13			26·5	W	70	Ca.
	50			10·5	W	15	
	46	2		4·5	W	10	See Note (2)
	9 59		38·5		W	10	
	58		51·5		W	30	A cloudlet 3° long Connected to limb in Ca.
	8 13		56		W	10	Ca.
	9 56		59		W	30	Detached. Connected to limb and to the next prominence in Ca
	56	2	68·5		W	60	
	53	0·5	66·5		W	20	
							Ca photographs 8 ^h 13 ^m , and 8 ^h 31 ^m .
April 5.	G.N.	8 14	0·5	41			
		9 25	1·5	32·5			
		8 14	2	6·5			
		14			E	75	Ca. Meets the next prominence.
		14			E	60	
		9 20	10	4·5	E	30	Ca. A streak from top meets limb at lat. +12° 5' E.
		20	1·5		E	120	Ca. Slants northwards.
		18			E	135	Ca. An oblique streak detached from limb.
		8 14		24·5	E	10 & 20	
		14		46	E	25	
		12		53	E	15	
		12			E		
		38	4	71·5	E	20	Ca. Detached.
		8 14	1	88·5	W	20	Ca.
		9 12	1·5	54	W	45	
		12	2	52	W	65	}
		12	2	49	W	30	Tops are connected by a Ca streak.
		38	4	87·5	W	50 ±	Much bigger and 90" high in Ca.
		8 14	1·5	10·5	W	20	Ca.
		9 14	1	9·5	W	20	Low 30" high in Ca
		32	0·5	13·5	W	30	7° broad in Ca
		8 14	24	47	W	30	Ca.
		9 29	2·5	59	W	30 ±	Ca. Tops connect'd by a Ca streak
		29	2	63	W	60 ±	Cirrus clouds on the sun during part of the visual observation.
							Ca photographs 8 ^h 14 ^m and 8 ^h 31 ^m
April 6.	S.S.	9 30		76			
		26	3	41			
		24	2	35·5			
		9	2	4·5			
		9	2	2·5			
		1			E	10	
		8 58	0·5	61	E	60	
		58	4	69·5	E	35	A short streamer flows eastwards in Ca.
		52	7	75·5	E	15	Narrow at top. }
		48	3	51·5	W	30	Connected at base.
		9 48	2	43·5	W	90	
		46	3·5	10·5	W	20	
		44	3·5	2·5	W	40	}
		41	3·5	14·5	W	70	Connected in Ca
		39	0·5	32·5	W	10	A Ca streak 7° long flows northwards from it
		38			W	40	Slants northwards over 9°.
		38			W	25	Slants northwards in Ca.
		34	1	46	W	25	See Note.
				54	W	35	
				62	W		Ca photographs 8 ^h 48 ^m , 8 ^h 28 ^m , and 8 ^h 17 ^m .
April 7.	S.S.	11 11		21·5			
		8	0·5	19	E	30 ±	
		1		68	E	20	
		1		69	E	25 ±	Very faint
		25		50	W	25 ±	Do.
		24		47	W	10	
		22	0·5	20·5	W	25 ±	Detached.
		21	8	8·5	W	30 ±	
		19		31·5	W	60	Slants southwards.
		8 14	0·5	32·5	W	50	Ca. Slants northwards.
		11 18		47	W	30 ±	
		8 14		60	W	10	Ca.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb	Height.	Remarks.	
			North.	South				
1908.	H. M.	°	°	°		"		
April 7 —contd.	S.S.	8 14	0 5	62	.	W	80	Ca. } Connected at top
		11 17	0 5	64	.	W	30	Observed through currns clouds. Ca photographs 8 ^h 14 ^m and 9 ^h 7 ^m (Poor.)
April 8.	S.S.	9 13	.	64 5	.	E	25	
		11	2	52		E	20	Double in Ca.
		7	0 5	41		E	25	} Form a single prominence in Ca.
		7	0 5	38 5		E	25	
		0	2	7		E	15	A Ca streak from it meets limb at lat. + 1° 5 E.
		8 46	.	2 5		E	30	Ca A detached streak 2° long
		59	.	2 5		E	45	Slants southwards
		52	3	42 5		E	30	
		46	5	52 5		E	90	Ca. Slants northwards.
		46	.	57		E	15	Ca. Slants southwards over 4°.
		46	4	65		E	15	Ca.
		49	5 5	76		E	20	Faint
		9 37	.	40		W	10	
		36	1	28 5		W	20	Faint } Connected in Ca
		31	1	22 5		W	20	Do. }
		8 46	2	15 5		W	20	Ca.
		46	0 5			W	15	Ca.
		9 27	0 5	1 5		W	10	
		27	.	0 5		W	10	
		23	0 5	28 5		W	10	
		22	0 5	32 5		W	25	+ Slants northwards over 5°.
		19	1 5	47		W	25	
		8 46	1	52		W	20	Ca.
		9 17	1	65		W	20	
April 9.	G.N.	9 14	1 5	50	...	E	20	3° broad and 30" high in Ca.
		18	.	48		E	40	
		18	1 5	41		E	10	
		8 27	2	27 5		E	20	Ca. Faint. An arch.
		9 16	.	16		E	35	
		8 27	1	14 5		E	—	Ca.
		27	0 5	9 5		E	10	Ca.
		9 25	2	2 5		E	30	
		8 27	4 5	.	5	E	30	Ca. Faint.
		9 13	4 5	11 5		E	20	A faint Ca streak 60" high and slanting southwards proceeds from the top of this prominence.
		8 27	0 5	18 5		E	30	Ca
		9 12	0 5	20 5		E	30	A jet.
		12	.	27 5		E	20	
		10	1 5	31 5		E	20	60" high in Ca. } Tops connected by a Ca streak.
		7	.	41		E	60	Narrow at top
		8 27	.	45 5		E	10	Ca.
		9 5	1	60 5		E	30	1° broad in Ca. } Tops connected in Ca.
		5	.	63 5		E	60	Top slants southwards.
		8 27	2 5	77		E	60	Ca
		55	1	8 4		W	15	
		55	.	60 5		W	80	
		9 29	1 5	38 5		W	20	
		8 27	.	33 5		W	15	
		9 27	1	30 5		W	15	
		27	1	22		W	20	
		27	0 5	10 5		W	Low	
		28	1 5	7 5		W	30	Narrow at top.
		25	1 5	1		W	30	It covers 8° in Ca.
		20	4	4 5		W	60	
		28	1	12 5		W	25	
		8 27	2	61		W	30	
		9 21	.	63		W	25	
		20	1 5	82		W	15	
		20	0 5	65		E	Low.	
								Poor sky. Ca photographs 8 ^h 27 ^m and 8 ^h 18 ^m .

Date and observer	Hou LST	Base.	Latitude.		Limb.	Height	Remarks.
			North	South.			
1908.	H. M.	°	°	°		"	
April 10. S.S.	8 14	...	72°5		E	15	Ca
	14		67 5		E	15	Ca
	9 19	2	46		E	30	
	8 14	1	35°5		E	30	Ca. Faint.
	14		27°5		E	60	Ca. A faint detached vertical streak.
	14	5	25		E	10	Ca.
	9 14	1	16 5		E	80	An irregular Ca streak 9° long passes through it.
	8 14		2°5		E	30	Ca.
	14		7°5		E	60	Ca. } Connected at top.
	14		10°5		E	60	Ca. }
	14	4	15°5		E	20	Ca.
	9 11	1 5	20 5		E	35	A Ca streak from top meets limb at lat. -- 11°5 E.
	8 14	2	31°5		E	30	Ca
	14	3	38		E	60	Ca Surmounted by an irregular streak, 7° long.
	9 7		47		E	20 ±	
	49		56		W	10	
	8 14	1	52		W	10	Ca.
	14	1	40		W	10	Ca.
	14	1	38°5		W	10	Ca.
	9 36		16°5		W	15	
	38		14°5		W	10	
	35	8	9°5		W	60	Slants northwards.
	32	10	9°5		W	40	
	8 14	8	50		W	15	Ca
							Observed mostly through thick cirrus.
							Ca photographs 8h 14m and 9h 9m
							Good.
April 11. G.N.	10 57	1	35°5	.	E	45	Ca.
	57		32		E	30	Ca
	5	1	8°5		E	80	
	5	1	15°5		E	45	} Form a single prominence in Ca and extend
	5	1	19°5		E	60	from P.A. 65° to P.A. 82°
	57	1	32 5		E	40	Ca. Faint.
	57	1°5	40		E	40	Ca
	57	1	42		E	20	Ca.
	57	1°5	44		E	40	Ca.
	1	1°5	46 5		E	45	
	57	0°5	57		W	30	Ca.
	57	11	47 5		W	60	Ca.
	12	1	18		W	30	Top slants southwards in Ca
	12	0 5	16°5		W	20	
	57	0°5	15 5		W	30	Ca. Top slanting northwards
	57		13°5		W	30	Ca.
	57		9°5		W	25	Ca. Detached.
	57	5	20		W	25	Ca.
	57	1	40		W	20	Ca.
	57	7	53		W	45	Ca.
							Thick cirrus clouds during observations.
							Ca photographs 10h 57m and 9h 57m
April 12. S.S.	8 39	..	36°5	.	E	30	Detached. A Ca streak connects it to the limb at lat. + 38° E.
	36	3	19 5		E	10	
	33	2	8°5		E	20	Cone-like
	30	6	16 5		E	45	D ₁ , D ₂ bright at base } Connected
	29		27°5		E	10	A little Ca cloudlet, 30° high, floats over it
	27		44		E	20	Connected to the next by a Ca streak.
	27	1	48		E	80	
	27	0°5	50		E	15	
	23	1	75°5		E	20	
	22		84		W	10	
	18	11	58 5		W	100	Narrower at top.
	57	14	15 5		W	70	Only 15" high except at lat. -- 24° W. where the prominence is faint.
	54		6 5		W	20	D ₁ , D ₂ bright at base
	51	4	25 5		W	25	Very faint
	48	0°5	52		W	10	Bright. D ₁ , D ₂ bright at base.
	48	0°5	58		W	25	
							Ca photographs 9h 58m and 9h 28m.

Date and observer.	Hour I S T	Base	Latitude.		Limb.	Height	Remarks.
			North.	South			
1908.			"	"	"	"	
April 13. G.N.	8 43	0 5	30 5	.	E	15	Ca
	58	2	20 5	.	E	30	
	56		8 5	.	E	40	Detached.
	55			0 5	E	35	
	53	5		11	E	45	
	51			15 5	E	65	Detached.
	51	1 5		17 5	E	25	2° broad and 30° high in Ca.
	50	1		42 5	E	45	
	45	5		48 5	E	25	7° broad and 50° high in Ca.
	45	1		76 5	E	Low.	
	40			62	W	15	
	40			59	W	30	
	11 29			56	W	140	
	9 13	1		53	W	20	
	8 43			35 5	W	10	Ca
	43			38 5	W	15	Ca.
	9 11	1		25	W	35	A Ca streak proceeds from the top of this as far as P.A. 224°
	9	3		15 5	W	35	
	7	1	26 5		W	20	
	7		29 5		W	15	
	7		31 5		W	20	
	5		60		W	15	Detached
	3		72 5		W	25	
	8 43		82		W	10	Ca.
	43		83		W	10	Ca.
	9 1		71 5		E	15	Ca photographs 8h 43m and 9h 16m.
April 14. S.S.	8 55		57 5	.	E	15	Ca.
	9 6		54 5	.	E	10	
	8 55	0 5	51 5	.	E	15	Ca.
	9 3		29	.	E	25	
	8 59	1	17	.	E	30	
	56	1		9	E	15	
	56	1 5		12	E	20	
	56	0 5		15	E	10	
	50	10		42	E	30	A group of four prominences almost continuous in Ca.
	45	3		59	E	10	
	55	0 5		71	E	15	Ca.
	41	0 5		77	E	10	
	36			60 5	W	20	Small, detached, very faint.
	55	0 5		57 5	W	15	Ca.
	36	1		54 5	W	10	
	38	0 5		51 5	W	10	
	33	0 5		49 5	W	20	Do, Do bright at base. Ca prominence is 9° broad.
	9 31			30	W	10	
	8 55			29	W	30	Ca slants northwards.
	9 31			21 5	W	30	
	29	6		18	W	15	
	25	2		5	W	15	
	25			1	W	60	See Note (2).
	8 55		8		W	15	Ca.
	9 22	2	28		W	20	
	19	4	34		W	20	
	16	1	50		W	15	Ca photographs 8h 55m and 8h 28m.
April 15 G.N.	8 44	1	63 5	.	E	45	Ca. Faint.
	44		28	.	E	15	Ca Do,
	9 20		17	.	E	Low.	
	20		16	.	E	Low.	
	8 44	1	14	.	E	15	Ca.
	44	2		9	E	45	
	44	4		16	E	20	Ca. A streamer extends from the last prominence to this.
	9 14	2		28	E	35	
	12	1 5		42	E	10	

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South			
1908.	H. M.	°	°	°		"	
April 15. G.N. —contd.	9 12		...	48°5	E	15	
	12			46°5	E	10	
	8 44			59°5	E	20	Ca.
	44			69°5	E	15	Ca.
	44			74	E	30	Ca.
	44			24	W	30	Ca.
	44			5	W	15	Ca.
	44	1·5	12		W	30	Ca.
	9 22		22		W	30	
	25		35		W	40	Ca photograph 8h 44m.
April 16. S.S.	10 58	...	77°5	..	E	10	
	58		67°5		E	10	
	46		59°5		E	60	Ca.
	46		86		E	60	Ca.
	47	6		12	E	25	There are several Ca cloudlets above it at the northern end—height 60°.
				20	E	10	
	43	7		27 5	E	60	
	46	2		34	E	20	Ca.
	39	2		43	E	25	
	35	6		72	E	25	
	46			65°5	W	10	Ca.
	46			64°5	W	10	Ca.
	46			54°5	W	10	Ca.
	46	0·5		48	W	20	Ca.
	11 17	0·5		42	W	20	
	10 46	1·5		26	W	15	Ca.
	11 12	2		23	W	60	
	11	4		14	W	10	
	9			10	W	60	A faint detached streak. Connected to the last by four Ca streaks.
	7	0·5		1	W	10	
	10 46	1·5	14		W	30	Ca. Faint.
	11 4	5	84°5		W	25	
	10 46	3	72°5		W	20	Ca. Narrow at top.
	46		76		W	20	Ca.
							Ca photographs 10h 46m and 10h 58m.
April 17. S.S.	8 46	.	88	.	E	20	Ca.
	27	9	64		E	30	Ca.
	9 17	2·5	57°5		E	35	± Faint
	12	2	90		E	20	
	8	3	11°5		E	10	
	6	3·5	Equator		E	35	
	8 27	1		5	E	15	Ca.
	9 4	1		10	E	25	Base extends 2° further north in Ca.
	8 27			17	E	30	Ca.
	27			23	E	30	Ca.
	27	2		27·5	E	15	Ca. Double.
	9 0	2		43	E	25	Slightly slants northwards.
	8 58	0 5		54°5	E	10	
	53	0 5		88°5	W	10	
	50			68	W	15	
	9 44	0 5		18°5	W	10	
	8 27	1		43°5	W	10	Ca.
	9 35	0 5		27	W	60	See Note.
	30	0·6	14		W	10	
	30		28		W	10	
	28	1 5	32		W	15	} Tops connected by a Ca streak.
							Ca photographs 8h 27m and 8h 46m.
April 18. S.S.	9 34		78		E	10	
	32	4	64°5		E	20	
	16	1	57		E	10	
	14		31°5		E	10	Very faint
	9	1 5	8		E	20	
	9	1	4		E	20	} Connected in Ca.

Date and observer.	Hour I.S.T	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M.	o	o	o		"	
April 18. —contd.	S.S.	9 5	4	2	E	15	
		5	2	7	E	55	} See Note (2)
		5		10	E	10	
		2	0'5	13	E	10	
		2	0'5	18	E	10	
		2	0'5	23	E	10	
		8 59		98	E	10	
		58	3'5	42 5	E	55	Connected to the next by a Ca streak. Ca prominence extends 5° further } D ₁ , D ₂ bright north. } at base.
		55	0'5	50	E	35	Ca.
		21		53 5	E	30	
		21		62 5	E	15	
		53		65 5	E	20	
		51		84	E	10	
		21	1	77 5	W	10	Very faint
		9 58	1'5	46 5	W	35	
		56	5	27 5	W	60	
		53	5	21 5	W	20	
		8 21	10	6	W	10	
		9 52	1'5	1	W	10	Ca.
		8 21	0'5	7	W	30	Ca. Slants northwards.
		9 50	1'5	15	W	10	
		48	4	25	W	20	Connected at base in Ca.
		8 21		48 5	W	30	Ca. Slants southwards. Ca photographs 8 ^h 21 ^m and 8 ^h 48 ^m .
April 19.	G.N.	8 14	...	54 5	...	E	10
		14	1	49 5	E	10	Ca.
		14	0'5	45 5	E	10	Ca.
		9 16	2	15	E	60	
		16	1'5	11	E	60	
		8	2	5	E	20	
		7	2	Equator.	E	20	
		7	0'5	4	E	15	80° high in Ca.
		8 14		6	E	90	
		9 5	5	14	E	25	
		8 14		19	E	90	
		14		37	E	15	
		9 1	4	41	E	90	
		1	1'5	45	E	30	
		8 14		47 5	E	20	
		14		50 5	E	15	
		9 26	1	55 5	E	15	
		55		61	E	15	
		54		78	E	15	
		14		55 5	W	20	
		8 14		60 5	W	35	
		14	2	28	W	25	
		14	1	3	W	10	
		14		1	W	10	
		14		1	W	10	
		14		3	W	25	
		14	1'5	6	W	10	
		9 25	2	9	W	40	
		24	0'5	22	W	45	A streak connected to limb by 2 stems. Broad at top.
		8 14	7	31 5	W	35	
		14	0'5	42	W	30	
		14	0'5	51 5	W	15	
		14	0'5	74	W	30	
		9 20		67 5	E	80	
							Much bigger in Ca and covers 4° in it. Ca photographs 8 ^h 14 ^m and 8 ^h 38 ^m .
April 20.	G.N.	9 25	1	63 5		E	30
		25	3	60	E	30	
		8 35		24	E	25	
		9 20	1	19 5	E	45	
		20	6	14	E	45	
		14	14	9	E	30	
		12		20	E	30	
		10	6'5	29	E	15	Connected to the last by a Ca streak. Connected to the last by a Ca streak.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb	Height.	Remarks
			North	South.			
1908.	11 M.	o	o	o	"	"	
April 20. —contd.	G.N	9 8	..	50°5	E	25	
		6		73°6	E	15	
		5		85	E	15	
		0		62°5	W	20	
		35		54°6	W	30 ±	
		8 35		24	W	20	Ca.
		35		10	W	20	Ca.
		35		1	W	10	Ca.
		9 30	8	W		45	Double
		25	71 5	E		30	Not in Ca. Ca photographs 8h 35m and 8h 45m.
April 21.	S.S	0 22	85		E	10	
		20	60 5	E		25	
		20	58	E		20	Connected in Ca
		14	34 5	E		10	
		14	32 5	E		10	
		11	20 5	E		80	Slants northwards over 7°.
		8 39	18 5	E		10	Ca.
		39	17 5	E		10	Ca.
		39	0 5	E		15	Ca.
		9 5	7 5	E		15	Metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ and 5316°8 bright.
		0	26	E		180	Height of the main part is 50" but a few tall Ca streaks shoot up from it.
		8 55	8 5	45°5	E	10	
		49	1	76	E	10	
		39		64	W	50	Ca. Slants westwards
		39		57	W	30	Ca.
		39		36 5	W	15	Faint.
		39		20 5	W	80	Ca. Faint, detached.
		9 34	1	8 5	W	20	Extends 2° further south in Ca.
		8 39		3 5	W	20	Ca.
		39		1 5	W	20	Ca.
		39	1	8 5	W	15	Ca.
		9 32	1 5	13 5	W	10	
		8 39		20 5	W	100	Ca. Faint Slants southwards slightly.
		9 31	0 5	22 5	W	20	Very faint.
		8 39		34 5	W	15	Ca
							Ca photographs 8h 39m and 8h 43m.
April 22.	K.V.S.	9 12	3	62°5	E	30	
		8 22	0 5	60	E	10	Ca.
		9 10	1 5	48 5	E	10	Connected by Ca streaks. Ca prominence
		5	1 5	44 5	E	10	extends from lat. + 48°5 E. to + 38°5 E.
		8 55		37 5	E	15	
		22	1 5	35 5	E	30	Ca.
		30		18 5	E	80	Faint.
		50		8	E	10	
		22	1	12 5	E	80	Ca.
		45	1 5	17 5	E	10	20" high in Ca. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
		40	18	80 5	E	60	Series of connected prominences.
		35	1	64	E	Low.	
		22		76 5	E	30	Ca. Faint.
		22	0 5	84	W	20	Ca
		30	1	68 5	W	Low.	
		22	1 5	50	W	20	Ca
		22	1 5	48 5	W	10	Ca.
		9 32	1 5	34 5	W	85 ±	Faint. Bright and 50" high in Ca
		8 22		20 5	W	50	Ca. Slants towards south.
		9 28	2	14 5	W	20	
		28	1	9 5	W	20	
		27		4 5	W	10	
		25		4 5	W	20	
		20	10 5	W		10	Bright jet. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
		8 22	3	14	W	80	Ca.
		22		17 5	W	15	Ca. Slants westwards.
		20		32 5	W	10	
		15		61 5	W	10	Sharp jet Ca photographs 8h 22m and 8h 30m.

Date and observer.	Hour I.S.T.	Base	Latitude.		Limb	Height	Remarks.
			North	South			
1908.			"	"		"	
April 23. S.S.	9 7	1 5	64	.	E	30	
	7	5	59.5		E	30	
	5	2	54		E	60	Top portion detached. A Ca streak flows eastwards from the lower half.
	4	2	48.5		E	25	40" high and slanting eastwards in Ca
	8 57	1.5	9.5		E	10	
	54	11	7		E	30	
	53	8	17.5		E	30	Faint streaks.
	52	10	34.5		E	40	
	52		41.5		E	10	Not in Ca
	33	3	55.5		E	30	Ca. Faint.
	43	3	68.5		E	30	Faint
	33		61		W	70	Ca. Detached.
	9 39		49		W	60	
	31	0.5	24.5		W	45	Connected to the next prominence in Ca.
	26	15	12		W	90 \pm	See Note.
	19	12	17.5		W	50, 30	A group of three prominences
	16	0.5	30.5		W	25	
	8 33		30.5		W	15	Ca. Detached.
	9 15		15.5		W	20	Slant toward each other.
	15		48.5		W	25	
	8 33		49		W	20	Ca. Detached
							Ca photographs 8 ^h 33 ^m and 8 ^h 43 ^m .
April 24. K.V.S.	8 28	...	85	...	E	15	Ca
	28	71			E	10	Ca.
	9 26	0.5	69		E	10	
	20	1	62		E	20	
	8 28	1	60		E	30	Ca. Tops connected in Ca.
	28	2	57		E	30	
	28		43.5		E	30	Ca.
	28		40.5		E	10	Ca.
	28	2	31.5		E	15	Ca.
	28	0.5	24.5		E	15	Ca.
	28		18.5		E	15	Ca.
	9 10	1	15.5		E	15	Slants towards north. A Ca streak from this nearly meets the last prominence.
	8 28	1	18.5		E	15	Ca
	9 5	3	12.6		E	50	Faint. Filamental. Slants towards
	0	1	18		E	10	See Note (1).
	0		23		E	20	
	8 55		29.5		E	10	
	50		59		E	25 \pm	Very faint 4" broad and 70" high in Ca.
	45	3	78		E	25	An arch.
	35	0.5	55		W	45	
	28	5	48		W	90	Ca.
	28	16	29.5		W	90	Ca. Faint. Archlike.
	9 45	4	16.5		W	90	Slants southwards.
	8 28		8.5		W	80	Ca.
	28		6.5		W	30	Ca.
	9 35		3		W	10	A bright jet.
	8 28	6	0.5		W	15	Tops connected by Ca streaks. Ca streaks from
	9 30	4	12.5		W	55	the last run parallel to limb as far as lat.
	25	1	20		W	20	+ 25°5W
	8 28		26.5		W	10	Ca.
	28		39.5		W	40	Ca.
	28		44.5		W	15	Ca. Detached.
	28	1	61		W	15	Ca.
							Ca photographs 8 ^h 28 ^m and 8 ^h 36 ^m .
April 25. S.S.	8 17	1	81.5	..	E	10	Ca.
	9 8	2	61.5		E	25	
	5		48		E	10	
	8 17		41		E	10	
	17		15		E	10	Ca. A slender streak.
	17		13		E	10	Ca. do.
	17	5	5		E	15	Ca. do.
	17		Equator	2	E	10	Ca. do.
	17				E	15	Ca. do.

Date and observer	Hour. I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.	
			North.	South.				
1908.	H. M.	o	o	o		"		
April 25, —contd.	S.S.	8 55	18	...	14	E	60	Southern end very faint and slants southwards as far as lat. -28° E.
		17	0·5		28	E	10	Ca. Faint.
		17	0·5		34	E	20	Ca.
		50	1·5		39	E	30	Faint.
		49	1		45	E	90	Do.
		47	3		48	E	80	Slants southwards. } Almost connected in Ca
		47			54·5	E	10	
		17			59·5	E	10	Ca.
		44			65	E	10	
		43			69·5	E	10	
		17			78	E	15	Ca.
		32			67·5	W	15	Slants eastwards Faint At 9 ^h 43 ^m it was a jet 20" high.
		9 43			63·5	W	10	
		8 31			59·5	W	15	
		17	0·5		45	W	10	
		9 37	5		23·5	W	15	D ₁ , D ₂ bright at the southern end 60" high in Ca. } Connected in Ca.
		33	1·5		15	W	10	
		28	1·5		7	W	15	See Note (1).
		27	1·5		2	W	10	
		25			21	W	10	
		28			26	W	10	
		21	2·5		31	W	60	See Note (2).
		19	3		38·5	W	45	More continuous in Ca than in hydrogen
		17			47	W	10	
		8 17	0·5		52	W	15	Ca.
		17			54·5	W	10	Ca.
		9 14	4		60·5	W	10	Height 25" at the southern end and 10" at the northern in Ca.
							Ca photographs 8 ^h 17 ^m and 8 ^h 24 ^m	
April 26.	K.V.S.	9 21	0·5	31		E	100	Ca.
		21	1	27		E	15	Ca.
		55			20	E	10	
		10	1		22	E	10	75" in Ca.
		52			25	E	Low	Low sharp jet Ca prominence is 170" high and extends southwards as far as lat. -38° E.
		52	0·5		27	E	10	
		21	1		40	E	15	Ca.
		0			63	E	10	Two prominences.
		50	2		84	W	Low	Chromosphere slightly elevated
		21	1·5		80	W	15	Ca.
		21			76·5	W	15	Ca.
		25	0·5		50	W	25	Very faint. 50" in Ca.
		20			95	W	10	
		8 59	0·5	11		W	15	Ca.
		9 21		40		W	15	Ca.
		58		56		W	25	Detached. Connected to limb by Ca streaks. Ca photographs 9 ^h 21 ^m and 8 ^h 59 ^m
April 27.	G.N.	9 0		63·5	.	E	15	
		8 22	2	49		E	15	Ca.
		22		43		E	10	Ca.
		9 5		21		E	10	
		5	1·5	18		E	15	
		8 22		16		E	10	Ca
		9 5	10	10		E	60	
		8 22			7	E	45	Ca. A detached streak
		22			11	E	50	Ca. Faint A detached streak.
		9 1			25	E	50	
		0			85	E	20	
		8 22	1·5		84·5	W	30	Ca.
		22			78	W	10	Ca.
		22			59·5	W	15	Ca. A streak extending over 9° of limb.
		9 25			50	W	75	Bright and only 45" in Ca.
		8 22			38	W	16	Ca.
		22			16	W	10	Ca.
		22			5	W	10	Ca.

Date and observer.	Hour L.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H M	o	o	o		"	
April 27. —contd.	G.N.						
	8 22	.	12		W	15	Ca
	9 19		17		W	30	
	8 22		26		W	10	Ca.
	22		34		W	15	Ca.
	22		46		W	15	Ca.
	9 17		52		W	10	
	8 22		78		W	15	Ca
							Ca photographs 8 ^h 22 ^m and 8 ^h 29 ^m .
April 28.	K.V.S.						
	9 10		75		E	20 ±	
	8 21		65 5		E	15	Ca.
	10		57 5		E	20	Ca.
	10		35		E	10	Ca.
	10		32		E	10	Ca.
	9 7	1	30		E	15	
	8 10		24		E	10	Ca.
	8 5	2	21		E	30	
	0	3	10		E	50	Ca prominence extends as far as lat. — 2°E.
	8 10			5	E	15	Ca. Faint
	10	1	6		E	15	Ca.
	55		21 5		E	Low,	Bright.
	10	4	37		E	25	Ca.
	21		41		E	20	Ca.
	10		73 5		E	15	Ca.
	10		85		E	15	Ca. A detached slanting streak.
	45		84 5		W	10	
	10		79		W	20	Ca.
	9 25	2	51		W	20	Faint. Height 80" in Ca.
	8 10		48		W	15	Ca.
	10		11		W	30	Ca. Almost detached.
	9 23	2	15		W	15	Faint. Ca prominence is 9" broad and 30" high.
	20	1	48		W	55	
	20	1	50		W	75	Detached from limb but connected to the last prominence
							Ca photographs 8 ^h 10 ^m and 8 ^h 21 ^m .
April 29.	G.N.						
	8 13	..	45 5		E	15	Ca.
	13		33 5		E	15	Ca.
	13		23 5		E	25	Ca. Detached.
	13		15 5		E	30	On.
	9 0	2	10 5		E	35	Connected to the last by a Ca streak.
	0		3 5		E	20	
	8 13		0 5		E	15	Ca
	9 0		1 5		E	15	
	8 13	6	9 5		E	20	Ca.
	59		18 5		E	30	A Ca streak extends to 60" in height.
	55		47 5		E	15	
	55		50 5		E	45	Top connected with the last prominence
	13		56		E	20	Ca.
	13		80 5		E	10	Ca.
	50		88 5		W	15	
	49		75		W	15	
	13		78		W	15	Ca
	9 20		47 5		W	30	
	18	3	26 5		W	45	
	16		10 5		W	15	
	15	6	0 5		W	80	
	10	1 5	47 5		W	30	
	9	4	53 5		W	50 ±	Ca.
	8 13		61		W	25	Ca photographs 8 ^h 13 ^m and 8 ^h 17 ^m .
April 30.	K.V.S.						
	8 20	6	56 5	..	E	20	Ca.
	20	0 5	37 5		E	10	Ca.
	9 20	8	32		E	35	
	5	1	16		E	20	} Tops connected. Ca prominence is continuous and is N° broad.
	5	1	14		E	20	
	8 20		0 5		E	50	Ca.
	20		7 5		E	50	Ca.
	20		9 5		E	15	Ca.
	56	1	14 5		E	10	A streak from top runs eastwards.
	20		17 5		E	100	Ca.

Date and observer.	Hour I.S.T.	Base	Latitude.		Limb.	Height.	Remarks.
			North.	South			
1908,	H. M	°	°	°	"		
April 30. —contd.	K.V.S	8 20	.	20 5	E	40	Ca. Hook-like.
		20		73	W	15	Ca.
		50		64 5	W	10	
		9 57	2·5	46	W	65	Hook-like at top. 4° 5' broad in Ca
		55	1·5	30·5	W	45	Ca streaks on both sides.
		50	2·5	25·5	W	80	A Ca streak runs parallel to limb for 5° towards west
		47	4	19·5	W	25	
		35	4	2	W	50	Two Ca streaks flow } Connected by a Ca streak westwards
		25	1	49·5	W	10	
		8 20		54·5	W	30	Ca.
							Ca photographs 8 ^h 20 ^m and 8 ^h 33 ^m
May 1.	G.N.	8 11		71 5		30	Ca
		11		34	E	30	Ca
		9 52	1	32	E	45	
		50	0·5	5	E	15	
		8 11		1	E	15	Ca.
		9 50		2	E	15	
		8 11		11	E	20	Ca
		9 45	20	25	E	60	A number of prominences are connected together..
		37	1	47	E	20	
		33	1	74·5	E	60	
		38	1	71·5	E	25	
		10 12	4	47	W	50	
		9	1	31	W	65	Ca streaks extend on both sides.
		6		15	W	10	
		6	1·5	12	W	30	
		2		2	W	25	
		8 11		9	W	10	Ca
		10 3	0·5	33	W	15	
		2	1	41	W	15	
		0		52	W	80	An arch.
		9 57		60	W	15	
							Ca photographs 8 ^h 11 ^m and 8 ^h 31 ^m .
May 2.	S.S.	8 32	.	78·5	E	15	Ca
		32		68·5	E	10	Ca.
		9 30	15	28·5	E	35	
		23		9	E	10	Slants northwards over 3°
		19		2	E	10	
		18		1	E	25	Slants southwards } Connected in Ca. over 4°
		14		17	E	25	Slants northwards over 3°.
		8 32		89	E	15	Ca.
		9 6	2	45	E	15	Slants southwards.
		8 57		81	E	20	Faint
		32		78·5	W	10	Ca.
		32		75·5	W	15	Ca
		54		67·5	W	15	
		48		69·5	W	10	
		32	2	46	W	15	Ca.
		82		38	W	40	Ca.
		10 5	0·5	12	W	10	
		9 56	5	15·5	W	35	Slants southwards.
		54	0·5	28	W	10	
		47	0·5	64	W	20	
							Poor weather. Limb not examined between lats. — 15° and — 65° W
							Ca photographs 8 ^h 32 ^m (fair) and 8 ^h 40 ^m .
May 3.	S.S.	9 55	1	42		10	
		52	14	32	E	40	
		8 30	0·5	21	E	20	Ca.
		9 46	3	9	E	25	
		45	0·5	3	E	10	In Ca it goes up to 60" and slants southwards over 5°.
		44		2	E	40	
		98	7	49·5	E	25	
		27	5	79	W	80	

Date and observer.	Hour I S T	Base	Latitude		Limb.	Height.	Remarks.
			North.	South.			
1908.	W M	o	o	o		"	
May 3. —contd.	S.S.	8 30 30 10 15 18 8 30 10 15 15 11	0'5 17 6 15 24 2 28 38 1	60 5 38 11 5	W W W W W W W W	10 20 30 35 35 25 20 10	Tops nearly connected. Oa. } Connected in Oa. } Connected
May 4.	G.N.	9 26 24 24 31 31 20 18 17 11 14 31 25 38 38 35 31 31 31 31 31 31 30 30 29	1'5 3 29 14 11 5 6	60'5 32 29 14 11 6	E E E E E E E E E E E E W W W W W W W W W W	10 70 ± 70 ± 10 10 10 30 20 60 80 80 15 20 55 20 20 40 45 45 15 20 30	Oa. photographs 8h 30m and 9h 14m. Ca. Ca. Connected by Ca streaks. Ca
May 5.	S.S.	9 19 8 20 9 12 12 3 8 48 20 20 45 9 48 44 36 34 32 31 16 14	35'5 37 5 38 32 12 0'5 86'5 84'5 77 44 27 5 1 3 35 0 5 46 57'5 60'5	.	E E E E E E E E W W W W W W W W W W	15 20 50 50 30 10 30 20 20 10 15 15 20 20 10 10	Ca. Faint. } Meet at top. "
							Oa. photographs 9h 31m and 9h 23m.
May 6.	G.N.	8 11 11 40 11 11 11 11 11 11 11	3 1 2 9 2 53	.. 14 21 35 58 30 15 11	E E E E E W W W	30 45 50 35 25 60 15 15 10	Ca. A Ca streak extends to lat. — 10°. Ca. Connected to the last. Ca Ca Ca Ca Ca Weather bad. Only part of the limb observed visually. Ca photograph, floconius plate, 8h 11m; poor.
May 7	S.S.	9 18 0 8 58 30	67 30 15 5 Equator.	..	E E E	10 30 60 10	Ca streaks from tops of slants southwards as far as lat. + 5° E. } these flow towards each other Ca. Detached

Date and observer.	Hour L.S.T	Base.	Latitude		Limb	Height.	Remarks
			North	South.			
1908.	II. M	o	o	"		"	
May 7. —contd.	S.S.						
	8 53	.		5	E	25	Detached.
	51	18		18	E	25	}
	46			34	E	10	
	39			86	E	10	
	9 45	10		37	W	55	Narrow at top
	42	2		28	W	50	Connected.
	40			21	W	50	
	38	4		17	W	60	Connected at base in hydrogen
	38	1		11	W	50	
	36	8		4	W	20	
	34	8	8·5		W	25	
	32	5	14·5		W	55	
	24	1	49		W	20	
	21		76		W	15	
	20	3	82·5		W	15	
							Ca photographs 8 ^h 36 ^m and 8 ^h 20 ^m .
May 8.	G.N.						
	14 34			61		30	Ca.
	34			32		60	Ca.
	34			28		65	Ca.
	34	6	60		E	120	Ca. Tops connected
	13 25	2	5		E	45 ±	
	25		1		E	30	
	14 34	9		5	E	25	Ca.
	13 20			18	E	20	
	14 34			23	E	50	
	34			38	E	20	
	84			54	E	50	
	2	4		40	W	60	
	0			31	W	40	Not in Ca
	34			29	W	30	Ca
	13 59			26	W	10	
	57	2		16	W	25	
	14 34	1		6	W	120	Ca Connected to the top of the last prominence.
	18 57	1·5		10	W	10	
	14 34		16		W	40	Ca photograph 14 ^h 34 ^m .
May 9.	S.S.						
	10 36	3	41·5	.	E	45	Faint in hydrogen, bright in Ca.
	52	3	38·5		E	180	
	4	8	16		E	60	Ca. } Connected in Ca.
	9 59	1	7·5		E	25	
	57	1·5		2	E	10	
	48	4		52	E	80	
	45			59·5	E	10	
	14			87	W	10	
	8 42			60	W	10	
	10 25			48·5	W	10	
	28			6·5	W	45 ±	Detached. 120" high in Ca. Forms different in Ca at 8 ^h 25 ^m and 10 ^h 52 ^m
	52		3		W	20	
	20	6	18		W	25	
	32		57·5		W	10	
							Seeing mostly poor
							Ca photographs 10 ^h 52 ^m and 8 ^h 25 ^m .
May 10.	G.N.						
	9 18						
	20	1·5	48	.	E	15	
			44		E	50	Ca. A streak extends to lat. + 30°.
	20		15		E	15	
	20		12		E	15	
	16	3	7		E	30	
	15			11	E	50	
	20	3		51	E	60, 50	Ca Double.
	13			63	E	20	
	20			53	W	20	Ca.
	20	1·5		41	W	15	Ca.
	20			38	W	15	Ca
	26			27	W	25	
	24		8		W	20	
	23	3	28		W	45	Connected at base in Ca.
	22	1	30		W	35	
							Ca photographs 9 ^h 20 ^m , 8 ^h 28 ^m and 8 ^h 54 ^m .

Date and observer.	Hour L.S.T	Base.	Latitude.		Lamb.	Height	Remarks.
			North.	South.			
1908.			°	°	°	"	
May 11.	S.S.	H. M					
		9 27	0°5	58	E	10	
		25	0 5	49	E	10	
		22	6	43	E	50	Very faint in hydrogen } Connected by a Ca streak
		15		39	E	10	Ca
		15		36	E	20	Ca
		15		19	E	15	Ca
		16		17	E	25	
		16	3	11 5	E	25	} Connected in hydrogen
		15	3	7 5	E	10	Ca.
		10	2		E	40	
		5		25	E	10	
		3	1°5	38	E	35	Faint. } A Ca streak passes through these and meets limb at lat. — 37° E.
		8 58	4	52	E	40	
		9 15	4	48	W	60	Ca Narrow at top
		51	3	38 5	W	35	
		48	2	34	W	15	
		46		15	W	10	
		15	2	12	W	80	Ca. Two streaks meeting at top.
		15	2	6	W	45	Ca. Three streaks close to one another.
		43	2	1	W	20	
		42	2	8	W	10	
		15	3	17 5	W	40	Ca An irregular arch.
		41	3	21 5	W	45	Slants northwards.
		15	1	25	W	15	Ca
		38	0°5	32 5	W	10	Fine with passing clouds. Ca photographs 9 ^h 18 ^m and 8 ^h 26 ^m .
May 12.	K.V.S.	9 40	70 5	...	E	Low	
		35	50		E	15	
		35	49		E	30	} Connected in Ca Ca prominence extends to lat.
		30	0°5	46 5	E	10	+ 43° E.
		20		33	E	50	Ca Broad at top.
		22	2	9	E	30	
		20	2	32	E	165	Ca.
		6	3	50 5	E	45	
		20	3	55 5	E	20	} Connected by a Ca streak.
		20		60	E	20	Ca.
		20		64	E	20	Ca
		10 12		80 5	W	10	
		9 20		62	W	15	Ca.
		20		54	W	10	Ca.
		20		50	W	10	Ca
		10 10	1	40	W	30	
		9 20		28	W	10	Ca
		20		6	W	30	Ca
		20		5	W	10	Ca
		10 7		3 5	W	10	
		9 20	3	4 5	W	80	Ca
		20		32 5	W	10	Ca A short streak parallel to limb.
		10 0	1	34 5	W	30	
		9 55		83 5	W	15	Detached Not found in Ca photographs. Observed mostly in a bright sky. Ca photographs 9 ^h 20 ^m and 8 ^h 59 ^m .
May 13.	S.S.	10 54	..	80 5	..	E	15
		50		65	E	10	Ca
		50	1	69	E	10	Ca
		58		59	E	10	
		9 55	4	50	E	60	Faint in hydrogen, bright in Ca.
		10 48	4	36	E	75	Two streaks meeting at top in Ca In hydrogen there was only a detached streak slanting eastwards.
		8 51		15	E	10	
		10 43	1	12 5	E	15	Lower part bright, metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright
		43	1	10	E	Low	Two short detached Ca streaks 60" high float over it
		50		7	E	30	Ca.
		50		6	E	60	Ca

Date and observer.	Hour I.S.T.	Base.	Latitude		Limb	Height	Remarks.
			North.	South.			
1908.	u. m	o	o	o		"	
May 13. —contd.	S.S.	8 46	1	2°5	E	35	
		46	1	1	E	10	
		10 50		9	E	45	Ca
		50	0°5	12	E	15	Ca
		8 43	1	15	E	10	
		10 38		30	E	70	
		8 35	10	54	E	55	
		10 50		85	E	30	Ca. Faint.
		50		85	W	20	Cn. Faint. } Slant away from each other.
		19	1	40	W	25	
		17	1	17°5	W	70	
		50	3	7°5	W	30, 60	See Note (2). Ca. 30° at northern end, 60° at southern.
		60	8	Equator	W	20	Ca
		10	9	34°5	W	20	
		50		54°5	W	10	
							Ca photographs 10h 50m, 11h 11m, 9h 51m, and 10h 20m.
May 14	K.V.S.	10 0	2	40	E	50	Ca.
		0		90	E	15	Cn.
		9 40	1	14	E	10	
		10 0	4	51	E	60	Ca
		0		78°5	E	20	
		0	1	40	W	10	Ca.
		0	1	36	W	10	Ca.
		0		34	W	10	Ca.
		0		31	W	15	Ca
		0		23	W	10	Ca.
		0		21	W	10	Ca
		0		16	W	10	Ca.
		0	0°5	11	W	40	Ca Faint.
		33	4	6	W	10	
		30	1	1	W	10	Faint, 60° high and slants northwards in Ca.
		0	1	9	W	15	Ca
		0	12	33	W	15	Ca
							Seeing poor owing to bright cirrus clouds. Ca photographs 10h 0m and 10h 21m (poor).
May 15.	S.S.	8 13	0°5	69	E	10	Ca.
		9 8		59	E	10	
		5	7	52°5	E	25	
		8 18	0°5	6	E	15	Ca Faint.
		56	0 5	3	E	10	
		13		10	E	15	Ca
		13		31	E	15	Ca
		48	9	51 5	E	55	
		43		64°5	E	15	
		13	1°5	59	W	15	Ca. Double Slants westwards.
		13		49	W	10	Ca.
		18	1	42	W	15	Ca.
		9 30	1	31	W	25	
		33	1°5	18	W	20	Metallio, D ₁ , D ₂ , } Connected in Ca. One of the
		30	1	14	W	15	b ₁ , b ₂ , bright } Ca streaks was 60° high
		28	3	5°5	W	20	
		27	3	1°5	W	10	
		28	2	8	W	10	
		25	1	19	W	20	
		9 24	1	26	W	30	A streak passes through these and meets limb at
		24	1	31	W	30	lat. + 88° W.
		16		49	W	15	See Note.
		8 18	1	50	W	10	Ca
		18		60	W	10	Ca.
		13	0 5	68	W	20	Ca Faint.
							Ca photographs 8h 13m and 8h 24m.
May 16.	K.V.S.	8 59	3	55 5	E	40	Ca.
		10 5		51	E	15	
		9 0		46°5	E	10	Connected and 40° high in Ca
		8 59		15	E	20	Ca.
		55		5	E	40	Detached
		59		9	E	15	Ca

Date and Observer.	Hour L.S.T.	Base.	Latitude		Limb	Height	Remarks.
			North	South.			
1908. May 16 —contd	11 M.	°	°	°	"	"	
	8 45	13	...	17·5	E	40	
	40			28	E	20	
	59			48	E	15	Ca Faint
	35	6		52	E	60	Faint in hydrogen and bright in Ca.
	59	0·5		56	E	30	Ca Faint
	9 40			61	E	10	Not in Ca.
	8 59	2 5		70	E	15	Ca
	59			58	W	10	Ca
	59			57	W	10	Cn.
	9 38	0·5		86	W	20	
	35			83	W	30	
	30	8		21	W	40	
	20			12·5	W	10	Very bright. Metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright. Height 20" at 10 ^h 20 ^m .
May 17.	8 15	14	24		W	40	
	8 59	2	48		W	30	Ca.
							On photographs 8 ^h 59 ^m and 8 ^h 26 ^m .
	9 12	2	60		E	30	Ca.
	50		56		E	10	
	45	1	4·5		E	60	5° broad at top
	30	24		18	E	95	
	12			32	E	30	Ca. Meets the last.
	12			50	E	30	Ca. Slants southwards } Meet.
	20			54·5	E	Low	
	12			56	W	30	Ca.
	10 12	3	18·5		W	15	Faint
	10	3	13·4		W	20	Faint.
	5	12	6		W	30	A group of 3 prominences
May 18.	9 12	1	24		W	15	Ca.
	58	4	27		W	60	
							Ca photographs 9 ^h 12 ^m and 9 ^h 25 ^m .
	9 23	2	55		E	20	
	22		34		E	15	
	20		7		E	25	
	18	20		22	E	90	
	16			48	E	20	
	13			68	E	60	
	40	8		10	W	30	
	82		5		W	15	
	30	2	18		W	20	
	28		29		W	35	
							} Tops connected by a Ca arch Ca photographs 9 ^h 17 ^m and 9 ^h 4 ^m .
May 19.	9 15	2	57		E	15	
	12		61		E	15	
	10		43		E	15	
	8 55	19		27·5	E	70	
	49	8		74	E	45	
	25			69	W	10	Ca.
	25	0·5		21	W	10	Ca.
	9 40	6		17	W	45	
	30	7		4·5	W	70	
							Connected in Ca.
							Ca photographs 8 ^h 25 ^m and 8 ^h 41 ^m .
May 20.	8 26	..	37	...	E	10	Ca
	26		15		E	15	Ca
	26	5		1	E	15	Ca
	55	14		31	E	45	
	50			60	E	15	
	26			52	W	10	
	9 6	8 5		22	W	35	
	6			16	W	35	
	2	3		5	W	70	A streak extends to meet the top of the last prominence
	1	1			W	25	A number of Ca streaks extend both ways
	8 26	6	Equator		W	15	
			31		W		Ca Faint.
							Ca photograph 8 ^h 26 ^m
May 21.	K.V.S.	9 45	6	16	E	35	
		8 88		2	E	75	Ca. A detached cloudlet.
		38		5	E	50	Ca. Do.

Date and observer.	Hour I.S.T.	Base	Latitude		Limb	Height.	Remarks.
			North.	South.			
1908.	H. M.	o	o	o		"	
May 21. K.V S	8 38	..	6	E	75	Ca.	A detached cloudlet.
—contd.	38		13	E	30	Ca.	A short detached streak.
	9 14	05	14	E	15		A small detached cloudlet 75" high floats over it.
	12	05	17	E	Low.	Do	do
	8 38		22	E	60	Ca.	Slants southwards
	38		26	E	30	Ca.	Do do Detached.
	38		29	E	50	Ca.	Do do Do
	9 10	7	87°5	E	25		
	8 50	5	87°5	E	25	Ca.	Faint.
	38	2	84°5	E	25	Ca.	
	19	15	88	W	25	Ca.	
	19	05	81	W	15	Ca.	
	19		43	W	110	Ca.	
	11 10		31	W	15	Faint in Ca.	
	8 19	2	25	W	15	Ca.	
	11 35	1	22	W	25	Ca photographs 8h 38m (E. limb), 8h 19m (W. limb), and 9h 13m.	
May 22. G.N.	9 18	15	87°5	...	E	30	Not in Ca.
	16		50	E	30	Much larger in Ca where it covers 5° of the limb.	
	18	8	16	E	80		
	10	2	3	E	40	A detached cloud on the top of this in Ca at a height of about 120" above chromosphere	
	8 27		11	E	10	Ca.	
	27		22	E	10	Ca.	
	27		24	E	15	Ca.	
	27		27	E	10	Ca.	
	27		29	E	120	Ca. A long streamer extending to lat. —40°	
	27		33	E	15	Ca.	
	9 8	3	40	E	40		
	7	1	68	E	15		
	5		85	E	15		
	5		87°5	W	20		
	29		60	W	30		
	25		39	W	120 ±	In Ca a huge cloud extends from lat. —38° to —60°.	
	8 27		30	W	15	Ca.	
	27		21	W	15	Ca.	
	9 23	2	18	W	20		
	8 27		16	W	30	Ca.	
	27		6	W	30	Ca.	
	9 22		4	W	15	Ca. An arched streak meeting limb again at lat. +28°.	
	8 27		23	W	15		
	27		38	W	30	Ca.	
	27		36	W	15	Ca.	
						Ca photographs 8h 27m, 8h 20m, and 9h 43m.	
May 23. S.S.	9 8	05	65°5	..	E	10	Ca.
	8 21		59	E	10	Ca.	
	21	2	58	E	10	Ca.	
	21		50	E	10	Ca.	
	21		82	E	40	Ca Slants southwards	
	21	4	24	E	40	Ca	
	55	1	85	E	10	D ₁ , D ₂ bright at base.	
	55	2	3	E	10		
	55	1	25	E	10		
	21	3	29°5	E	60	Ca. Faint Two slanting streaks connected at top.	
	48	5	33°5	E	25	D ₁ , D ₂ slightly bright at base.	
	47		38	E	20	Faint.	
	46	1	44	E	10	Faint.	
	21		74	E	15	Ca.	
	35	1	73	W	10		
	21		65	W	10	Ca.	
	9 30		58	W	30		
	8 21		51	W	30	Ca.	
	9 28		40	W	25		
	28		38	W	15		
	23	4	8	W	25		

Date and observer.	Hour L.S.T.	Base.	Latitude		Limb.	Height	Remarks.
			North.	South.			
1908.	n m.	o	"	"		"	
May 23. —corid	9 18	1	4		W	30	
	18	1	7		W	35	
	18	3	8 5		W	10	
	13		13		W	10	Connected in Ca.
	13		15 5		W	15	
	13	0 5	20		W	15	
	8 21		27		W	40	Ca. Broader at top. Slants northwards.
	9 14		31		W	10	
	13		36		W	35	Connected in Ca.
	8 21		41		W	10	
May 24.	G.N.	9 32	5 4		E	15	
	32	47			E	45	
	8 53	25			E	50	Ca. A slanting loop
	9 31	21			E	30	A slanting streak 50" high in Ca.
	30	2	16		E	95	
	8 53		11		E	10	Ca.
	53		14		E	15	Ca.
	9 25		17		E	50	Detached mass, connected with the limb by a thin Ca. streak.
	23	1	23		E	25	
	21	3	33		E	100	Extends in Ca. to lat. - 39°
	15		43		E	60	
	12		61		E	15	
	11		66		E	20	
	10	1	85 5		E	30	
	49		51		W	20	
	47		25		W	15	
	45	1	10		W	75	A streamer extends to lat. - 6°.
May 25	S.S.	42	14	12	W	45, 40	Four prominences all connected together.
	36	1 5	34		W	40	76" high in Ca.
	8 53	3	37		W	40	Ca.
	9 37	2	44		W	60	
	35		50		W	20	
							Ca. photographs 8h 53m and 8h 39m
	8 10	1	76	...	E	10	Ca.
	9 17		71 5		E	15	Faint.
	8 10	1	61		E	10	Ca.
	10	1	49		E	10	Ca.
	10		46		E	10	Ca.
May 26.	G.N.	9 10	1 5	21	E	20	A Ca streak from top meets limb at lat. + 23° E.
	10	1 5	17		E	30	A Ca streak from top meets limb at lat. + 11° E.
	7	0 5	Equator		E	10	Not in Ca.
	1	16	13		E	60	See Note.
	8 53	2	35		E	60	D ₁ , D ₂ , slightly bright at base
	50		39		E	10	Connected in Ca.
	49		41		E	15	
	47	1	44		E	10	
	10		87 5		W	30	Ca. Slants eastwards.
	10		80		W	10	Ca.
	38	1	66		W	10	
	9 49		51		W	15	
	8 10		42		W	10	Ca.
	9 43	5	8 5		W	70	Narrower at top.
	37	2	16		W	30	
	34		27 5		W	10	
	30	2	34		W	30	Connected in Ca.
	30	1	39		W	80	
	30	1 5	44		W	25	
	30	0 5	50 5		W	40	
	8 10	0 5	66		W	15	Slants northwards.
							Ca.
							Ca. photographs 8h 10m and 8h 21m.
May 26.	G.N.	8 23	56	**	E	15	Ca.
		23	36		E	10	Ca.
		23	35		E	10	Ca.
		56	6	31	E	20	Four small prominences joined together at top.

Date and observer.	Hour I.S.T	Base.	Latitude.		Limb	Height.	Remarks.
			North.	South			
1908	II M.	o	o	c		"	
May 26.	G.N.	8 50	1	21	E	20	Connected with the last series by a Ca streak.
—contd.		23	13	3	E	20, 50, 45	Ca.
		48	8	5	E	15	
		46		12	E	40	
		23		35	E	10	Ca.
		44	8	40	E	30	
		23		62	E	15	Ca. Detached. Faint
		42		71	E	15	
		40		80	E	30	
		38	1	66	W	20	
		23		58	W	40	Ca
		23		53	W	15	Ca.
		23		54	W	15	Ca.
		58	1	10	W	50	
		57	9	6	W	30	
		23		32	W	15	Ca
		23		34	W	60	Ca.
		23		35	W	15	Ca
		23	2	42	W	20	Ca.
		23	6	47	W	30	Ca.
		28		53	W	60	Ca.
							Ca photographs 8 ^h 23 ^m and 8 ^h 30 ^m .
May 27	S.S.	9 45	0'5	49	E	10	
		41	9	82.5	E	25	
		8 36	1	26	E	10	Ca.
		8 39		22	E	80	Faint and detached in hydrogen. 2° broad except near base.
		35	6	4	E	25	
		35	1	5	E	10	Faint at top. Lower half metallic D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , b ₄ bright.
		8 36	2	10	E	10	On.
		9 30	4	14	E	30	Metallic. D ₁ , D ₂ , b ₁ , b ₂ , bright over the whole prominence } Connected in Ca.
		27		19.5	E	40 ±	See Note (1).
		22	0.5	29	E	90 ±	Intersect each other about the } See Note (2)
		22	0.5	34.5	E	90 ±	centre.
		17		41	E	25	Bright.
		17		47	E	80 ±	Faint. Slants eastwards
		8 36		50	E	60	Ca. A detached irregular streak 6° long, base 30° above chromosphere. See Note (3).
		50	2	78.5	E	10	
		45		86.5	W	10	
		36		41	W	10	Ca.
		10 3	7	25.5	W	15	
		8 36		11	W	50	Ca. Detached Faint
		10 0	1	8	W	10	
		9 58		3	W	10	
		55	1	42	W	60	Faint in hydrogen except near base. Ca prominence extends to lat. + 35° W.
		54	1	49.5	W	60	Slants westwards
		52		59	W	10	Ca prominence is an irregular arch extending from + 59° W. to + 51° W and 60° high.
		50		64.5	W	10	
		8 36	1	85	W	10	Ca Double
							Ca photographs 8 ^h 36 ^m and 8 ^h 27 ^m .
May 28	G.N.	8 54	..	48	...	E	40 ±
		52		36	E	15	
		17		19	E	90	Ca A number of Ca streaks detached from limb.
		17		5	E	15	Ca
		51		16	E	60	
		17		28	E	15	Ca
		17		27	E	15	Ca.
		48		40	E	80	
		48		43	E	30	
		17		52	E	15	Ca
		45		78	E	15	
		25		40	W	15	Ca
		9 0	5.5	29	W	15	
		8 58	2	13	W	30	

Date and Observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908	H. M.	°	°	°		"	
May 28, —contd.	G.N.	8 17	.	8	W	10	Ca.
		17	19		W	10	Ca.
		17	44		W	15	Ca.
		55	86		W	40	
							Ca photographs 8h 17m, 8h 25m and 8h 50m.
May 29.	S.S.	9 9	1	58	E	10	
		9	55		E	20	Dotted.
		4	30		E	45	A faint Ca streak 20" high branches from it and meets limb at lat. +22° E.
		2	18·5		E	20	Ca. Archlike
		2	12		E	30	Ca.
		8 58	2	16	E	35	
		58	2·5	20	E	40	Connected in Ca.
		9 2		29	E	15	Ca
		8 50		37	E	15	Faint. Surmounted by a short slanting Ca streak.
		46	2	48·5	E	25	
		9 39	1	50	W	25	Double in Ca.
		37	10	35	W	35	
		30		17	W	30±	Faint except near base. Not found in Ca.
		27	4·5		W	10	
		24	1·5	18·5	W	50	Slants slightly both ways at top
		18	3·5	52	W	20	Connected; 30" high, and faint in Ca.
		15		58	W	10	Observed through thin cirrus Ca photographs 9h 2m and 8h 38m.
May 30	G.N.	9 12	60		E	20	Ca.
		6	26		E	60, 80	
		12	10		E	15	Ca
		2	3	11	E	30	See Note.
		0	4	25	E	15	
		12		33	E	20	Ca.
		12		60	E	15	Ca.
		12		72	E	30	Ca.
		12		85	E	10	Ca.
		12		50	W	30	Ca.
		22	12	38	W	50±	
		12		22	W	10	Ca.
		12		18	W	10	Ca.
		19	2	10	W	35	
		17		1	W	50	
		12		9	W	10	Ca.
		11	3	18	W	70±	
May 31.	S.S.	9 17	13	21·5	E	60	Only 15" high over the eastern half
		11		9	E	25	
		15		15	E	10	Ca.
		15	1	18	E	15	Ca.
		50	6	52	W	20	Very faint.
		47	1	42	W	60	
		47	1	39	W	60	Connected and the greatest height
		47	0·5	35	W	15	120" in Ca.
		43	1	26	W	20	
		15		24	W	80	Ca
		42	8	21·5	W	45	
		40	1·5	13	W	15	
		38	0·5	10	W	80	
		33	1·5	19	W	25	
		15	2	49	W	80	Ca.
		15	0·5	59	W	10	Ca.
June 1.	G.N.	8 15	8	26	E	80	
		30	2	20	E	15	
		41	10	20	E	80	
		30		57	E	20	Ca.
		30		85	E	20	Ca.

Date and observer.	Hour I.S.T	Base,	Latitude.		Lim.	Height	Remarks.	
			North.	South.				
1908.	H. M.	"	"	"	"	"		
June 1. —contd	G.N.	8 30 30 30 9 5 0 0 8 55 56 56 30 30 48 30	... 58 52 50 42 27 22 12 8 6 29 31 47 58	W W W W W W W W W W W W W	20 20 20 100 20 45 15 15 25 30 10 20 15	Ca. Ca. Ca. Metallic Shows slight displacement to red in C. Metallic		
June 2.	S.S.	9 36 36 6 36 36 39 34 29 27 24	. 11 10 1 26 68°5 27°5 6 37°5 46 57	E E E E E W W W W W	15 10 25 30 15 10 20 25 10 50	Ca. Ca. Ca. Pointed at top. Ca Detached.		
							Upper part very faint and slants northwards. Ca photographs 9h 30m and 9h 28m.	
June 4.	S.S.	15 21 8 21 21 10 29 8 21 9 29 27 25 21 8 6 15 6 13 8 21 21 15 15 19	... 87°5 4 19 9 2.5 8 85 37.5 58.5 79.5 70 36.5 22.5 4 2 1 20.5 54	E E E E E E E E W W W W W W W W	10 20 30 25 60 25 15 10 20 10 30 10 30 30 20 10	Ca Ca Detached. Not found in Ca. Ca Faint. Not found in Ca		
							Ca (found only at 8h 6m). Small, detached. See Note.	
							Ca prominence extends 2° further west. Ca. Top bends as far as lat. —9° W. Ca. Slants northwards.	
							N E. quadrant was not observed visually. Ca photographs 8h 21m and 8h 6m.	
June 5.	G.N.	9 5 4 2 8 52 38 38 50 48 47 58 83 9 8 8 83 9 7	1 73 23 15 2 3 9 30 38 48 49 85 1 22 25 28	E E E E E E E E E W W W W	10 25 30 35 30 15 35 15 25 10 90 45 10 15	Meets limb again at lat. + 19° in Ca.		
							Ca. A streamer extends to lat. —5°.	
							Ca. Not in Ca. Ca photographs 8h 33m and 8h 25m.	
June 6.	S.S.	8 57 21 53 52 49 47 13 42 21	.. 81 34 32 19 5 12 12 19 42 81	E E E E E E E E W	10 50 30 40 25 25 30 35 10	Ca. Faint. Slants eastwards. Faint. Ca (seen only at 8h 13m). Faint. A Ca streak from top goes as far as lat. —47° E. Ca.		

Date and observer.	Hour I.S.T.	Base.	Latitude.		I.(m.).	Height.	Remarks.
			North.	South.			
1908.							
June 6. —contd.	S.S.	H. M.	*	*	*	*	
		9 89	0'5	.	70°5	W	10
		8 21			67	W	10
		9 85	0'5		46	W	25
		8 32	3		33	W	40
		8 13			29	W	30
		9 28			26	W	15
		20	1	12°5		W	45
		20	1'5	22°5		W	45
		20	2	30°5		W	30
		8 13	1	40		W	20
		9 5	0'5	48		W	25
		5		50°5		W	25
		8 21		65		W	15
June 7.	G.N.	8 50	.	44	...	E	15
		56		41		E	80±
		50	2	33		E	15
		54	5	20		E	80
		53		11		E	45
		50		3		E	10
		52	4'5		11	E	80
		50			18	E	10
		50			22	E	10
		50	4		42	E	30
		49			50	E	45
		49	1		53	E	45
		50			46	W	20
		9 12		44		W	25
		12		38		W	15
		8 50		28		W	30
		50		25		W	15
		9 11		23		W	20
		10		18		W	45
		5	25	16		W	80,60,40
		8 50		34		W	40
		0 0		53		W	10
June 8.	S.S.	9 85	.	41	...	E	60
		82	0'5	32°5		E	10
		29		21		E	10
		27	0 5	18		E	10
		8 83		4		E	10
		9 25	4		10	E	30
		21	6		20	E	70
		8 33	1		44	E	10
		9 14	3		50°5	E	80
		8 83			84	E	10
		33			61	W	60
		83	11		54°5	W	75
		10 3	0'5		33	W	20
		8 33			13	W	15
		10 1	1		8 5	W	20
		9 59			5	W	10
		8 33			1	W	45
		9 53		14°5		W	40
		51	6	27		W	25
		51	0'5	32°5		W	10
		43	4	55		W	25
		8 12		59		W	10
		12		67		W	10
June 9.	S.S.	9 30	.	42	..	E	15
		34		40		E	30
		30	2	29		E	60
		31	3	13°5		E	10
		28	1	4		E	10

Date and observer	Hour I.S.T.	Base.	Latitude.		Limb.	Height	Remarks.
			North	South.			
1908.							
June 9. —contd.	S.S.	H. M	*	*	E	"	
		9 30	..	..	11	40	Ca.
		26	6	20°5	E	60	Slants southwards, top — 30°E.
		20	5	40°5	E	35	
		15		78 5	E	10	
		80	6	61	W	45	Ca.
		30		53	W	15	Ca.
		80		21	W	30	Ca.
		10	2	11	W	35	Slants northwards. Top slants to — 3°W. C slightly displaced to red at base.
		8	2	3°5	W	15	Metallic. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ bright.
		59		21	W	10	Detached.
		52	1°5	27	W	40	
		49	1 5	32	W	30	
		48		37	W	10	
		30	1	45	W	15	Ca.
		44	1	54 5	W	50	
		41		64	W	20	Faint. Base + 59° to + 64° in Ca. Passing clouds — 75°W to — 55°W not visually observed.
							Ca photographs 9h 30m and 9h 51m
June 10.	G.N.	9 30	.	61	E	20	
		30	46	E	20	Ca.	
		30	1	41	E	45	Ca.
		30	4	14	E	20	Cn.
		27	7	21	E	60	
		23	12	51	E	50 ±	
		51	1	27	W	20	
		50	4	19	W	40	A streamer extends to meet the last prominence and another to meet the limb at lat — 13° W.
		30	30	25	W	60, 45, 30	A number of prominences joined together.
		30	46	W	10	Ca.	
		42	55	W	25		
							Cloudy during visual observation. Ca photographs 9h 30m and 9h 28m.
June 12.	G.N.	11 18	...	21	E	15	Ca.
		16	..	34	E	20	
		14		56	E	60 ±	
		12		87	E	15	
		18	5	42	W	45	Ca. Detached from limb.
		18		38	W	15	Ca.
		18	25	8	W	60, 50	A number of prominences over this part of the limb from lat. 0° to — 21°
		18	9	10	W	60	Ca.
		18	3	61	W	15	Ca.
							Weather bad during visual observations. Ca photograph (incomplete and poor) 11h 18m.
June 14.	G.N.	10 35	5	52	...	40	
		30	1°5	31	E	30	
		30		28	E	15	
		27	8	8	E	15	
		25	13	25	E	60, 45	
		30		52	E	15	Ca.
		30	2	25	W	30	Ca.
		30		22	W	30	Ca.
		48	3°5	18	W	30 ±	Not in Ca.
		30		10	W	15	Ca.
		30		27	W	10	Ca.
		30		29	W	15	Ca.
							Very poor weather during visual observation. Ca photograph 10h 30m, flocculus plate 10h 57m.
June 15.	G.N.	8 21	..	79	...	15	Ca.
		9 10	5	51 5	E	50	
		7	2	43	E	15	
		6	0 5	37	E	10	
		8 21	0 5	36	E	10	Ca
		21	0 5	34	E	10	Ca.
		9 6		32	E	85	

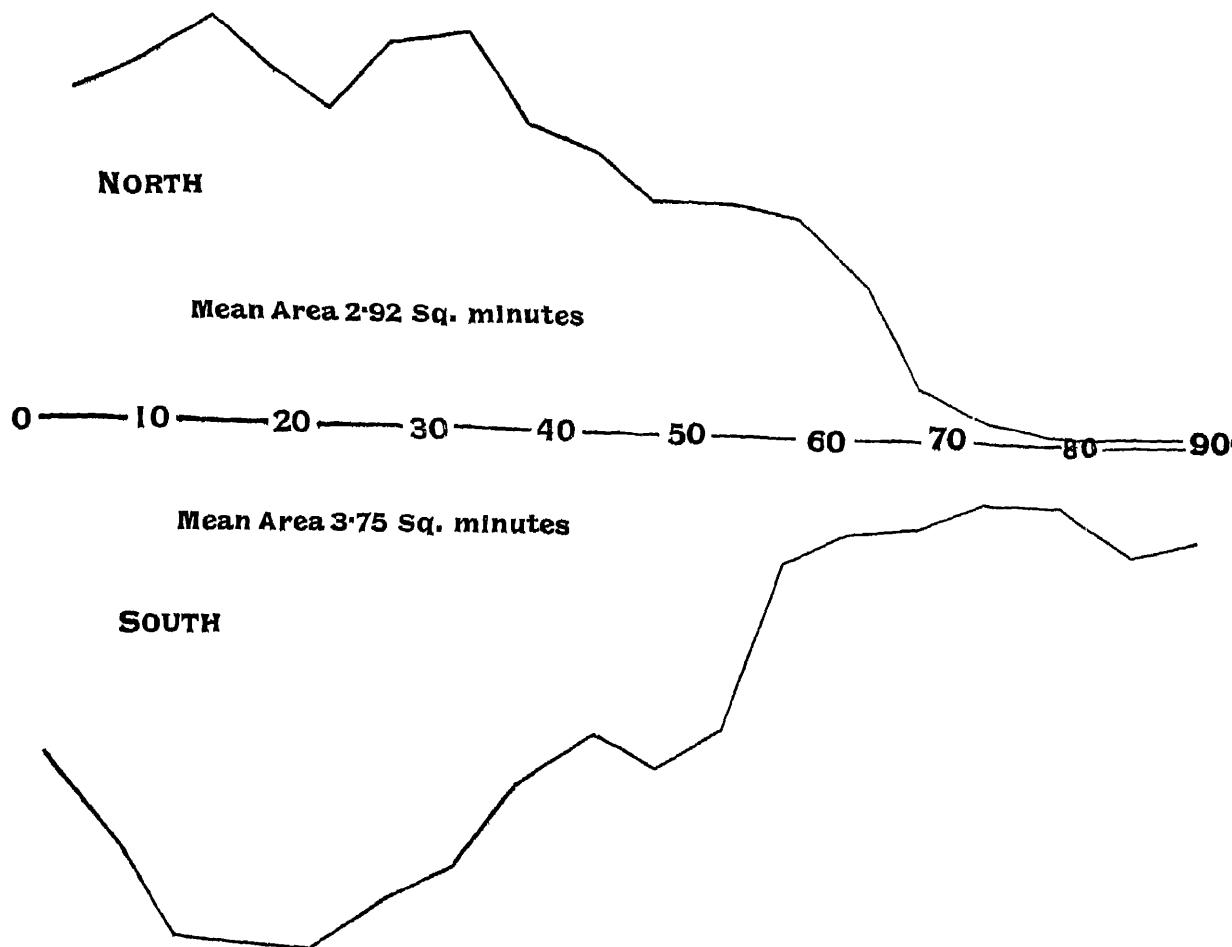
Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1908.	H. M.	°	°	°		"	
June 15. —contd.	G.N.						
	9 6	.	30	...	E	35	
	8 21		28		E	30	Oa.
	21		8		E	15	Oa.
	21		6		E	10	Oa.
	21		Equator.		E	15	Oa.
	21		1		E	15	Oa.
	21		2		E	30	Oa.
	9 4		7		E	30	
	4		9		E	30	
	S.S.						
	8 21		14		E	15	Oa.
	49	3	28		E	100	
	40	2	51		E	20	
	87		65		E	10	
	G.N.						
	8 21		68	W	E	15	Oa. Faint.
	21		61	W	E	10	Oa. Faint
	9 15	10	20	W		55	
	18		9	W		20	
	8 21		18	W		30	Oa.
	9 12	1	22·5	W		10	
	8 21		64	W		15	Oa.
							Oa photographs 8h 21m and 8h 35m.
June 16.	S.S.						
	9 29	11	49·5	...	E	80, 20	A group of 4 prominences.
	8 48		42		E	10	Oa.
	48		22		E	10	Oa.
	9 16		20		E	10	
	8 48		14		E	15	Oa.
	48		6		E	15	Oa.
	9 16		4		E	15	
	8 48	5		1·5	E	75	Oa.
	48		5	E		15	Oa. } Connected in Ca.
	9 18	3	9	E		15	
	10 8	5	15·5	E		15	
	9 10	4	80	E		30	
	10 2	45	87	E		25	Not in Ca. } Tops connected by a streak.
	9 52		25	W		15	Slants northwards. Top — 18° W.
	48	4	11	W		20	
	10 13	3	41·5	W		10	
	9 45		56·6	W		25	
							Examined twice. Seeing bad at the first time. Oa photographs 8h 48m and 8h 11m. Poor.
June 17.	G.N.						
	11 10	1·5	52	..	E	30	
	8 2	2	46		E	20	
	9 46	2		25	E	30	
	45	6		36	E	35	
	42			61	E	15	
	40	1·5		66	E	20	
	50			24	W	10	Oa.
	60			22	W	20	Oa.
	50	3	8		W	20	Oa.
	50		7		W	15	Oa.
	11 15	3	11		W	80	A Ca streak extends from top of this to lat. + 5°. Ca photograph 8h 50m; poor and incomplete owing to clouds. Shows one limb only from + 65° W to — 85° E.
June 18.	S.S.						
	9 8	3	...	6·5	E	20	Oa.
	42	2		28	E	20	
	40	1		32	E	30	} Connected in Ca.
	38			38	E	10	
	8 24			69	E	15	Oa. Not seen at 9h 8m.
	10 82			68	W	10	Small, detached.
	27			41	W	50	} Very faint. Meet at top.
	27			38	W	50	
	25	0·5		30·5	W	10	
	23	1		21·5	W	95	Nearly connected at base } Tops connected by a in Ca. Ca streak.
	21	1		17	W	20	
	20	2		12	W	15	
	19			6	W	10	

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks,		
			North.	South.					
1908.	H. M.	•	•	•		"			
June 18 —contd.	S.S.	10 17 15 18	8 2	11° 5' 26 32° 5'	...	W W W	80 80 40	Detached in hydrogen, but } Connected in Ca. base 8° in Ca. }	
June 18.	G.N.	9 1 8 59 55 14 14 14 14 14 14 14 14 14 14 14 14 14 24 24 9 15 15 8 14 9 12 9 2 7 2 5 4	1 2	12 5	4 10 54 56 68 73 75 88 86 71 69 67 44 89 29 9	B B B B B B B B W W W W W W W W W W	90 10 20 45 10 10 10 20 10 80 10 10 10 10 10 25 30 60 60 ±		Passing clouds. Ca photographs 9h 8m and 8h 24m. Both interrupted and obscured by cloud.
June 20.	S.S.	9 18 12 8 44 9 7 5 0 8 55 58 44 44 44 21 21 9 37 30 24 8 44 9 21 8 44	... 80 57 40 24 18 18 2 2 8 58 44 44 44 21 1 7 41° 5' 11° 6' 19° 5' 33 36° 5' 41° 5'	84° 5' 80 57 40 24 10° 5'	•	B B B B B B B B B B B B B B B B B B W W W W W W W W W W W W W W W W W W	30 10 10 10 10 50 10 10 30 75 80 80 30 10 45 60 70 20 25 25	Detached. Not in Ca. Ca. Ca. Faint. Ca. Two faint streaks meeting at top. Ca. Faint. Not seen at 8h 44m. Ca. Not seen at 8h 44m. Narrow at top. Ca. Slants northwards. Ca. Ca. Ca. Ca. photographs 8h 44m and 8h 21m.	
June 21.	G.N.	9 16 8 55 55 55 9 13 8 55 9 11 8 55 9 8 8 55 9 32 32 8 55 9 30 8 33	8 16 5 3 — 16 5 3 18 15 47 17 78 81 48 40 17 8 18	82 19 5 10 18 15 51 41° 5' 11° 6' 19° 5' 33 36° 5' 41° 5'	..	B B B B B B B B B B B B B B B W W W W W W W W W W W W W W W	20 45, 15, 20 70 15 25 30 20 75 15 15 20 75 15 15 15 20 15, 10 60 ± 45	Ca. A number of connected prominences. Ca. A Ca streak extends from this to lat. - 1°. Ca. A Ca cloud 150" high hangs over this and is connected to it by a thin Ca streak. Ca. Detsached from limb. Differently shaped at 8h 33m. Ca. Three prominences connected together. Ca streamers extend on both sides to lat. - 39° and - 52°. Ca. Ca. Meets limb again at lat. + 11°. Had changed at 8h 55m.	

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb	Height.	Remarks.	
			North.	South.				
1908.	H. M.	°	°	°		"		
June 21. —contd.	G.N.	8 55 9 20	.	25 46	W W	80 30 ±	Oa. Not in Ca. Poor weather during visual observations. Ca photographs 8h 55m and 8h 33m.	
June 22.	S.S.	9 2 8 22 9 1 1 1 8 58 12 12	4 0'5 2 1 0 5 2 0'5 1	31 25 21 18 15'5 10 7 1·5	E E E E E E E E	30 20 10 15 15 20 20 60	Ca. Not found at 8h 12m { Connected by a Ca streak. 30" in Ca. } Connected in Ca.	
		12 52 50 40 48 46 41 12 10 15 14 12	2 0'5 0'5 8 8 1 1 82 82 47'5 88 81 15	9 19 36 38 42 47 82 W	E E E E E E E W	60 15 30 25 25 10 10 10	Faint. A streak branches from it and slants northwards. Ca. Faint. Detached.	
		9 4 8 12 9 52	4 4 40 0'5	12 40 60 5	W W W	10 15 60 Low.	Connected in Ca. Not in Ca. Ca.	
June 25.	S.S.	15 20 3	1 0'5	49'5	45'5	W W	25 20 ±	Faint. Slants southwards. Faint. Top — 26° to — 84° W. Tallest at the southern end.
		8 18 18 9 3 1 0 8 59 57 51 50 15 9 28 24 22 20 16 16 18 8 18	68 82 1 1 15 20 30 76 82'5 87 59 33 22 10'5 28 29 51 56	.. E E E E E E E E W W W W W W	15 10 10 20 10 25 25 10 10 15 15 10 10 10 10 10	10 15 60 Low.	Lat — 50° W to N pole only was observed during a few short breaks in clouds. Seeing poor. Ca photographs 15h 31m and 15h 39m.	
June 26.	S.S.	8 18 18 9 3 1 0 8 59 57 51 50 15 9 28 24 22 20 16 16 18 8 18	68 82 1 1 15 20 30 76 82'5 87 59 33 22 10'5 28 29 51 56	.. E E E E E E E E W W W W W W	15 10 10 20 10 25 25 10 10 15 15 10 10 10 10 10	10 15 60 Low.	Oa. Oa. Faint. Top 4° broad. } Connected by a Ca streak. Small, detached. Faint. Oa Slants westwards Detached in hydrogen.	
June 27.	..	9 7 7 7 7	.. 1 3	66 18 24 27	E E W W	10 10 80 80	Oa. Oa. Ca. Ca. No visual observation. Ca photograph 9h 7m. Flocculus plate. No prominence plate.	
June 28.	S.S.	9 28 27 25 11 8 58	.. 1'5 1'5 0'5	21 8 21'5 46 81	.. E E E W	10 25 10 25 10	Observed visually only between lat. + 25° E. and — 80° W. Cloudy. No Ca photograph.	

REMARKS ON THE DISTRIBUTION OF THE PROMINENCES IN LATITUDE
FOR THE FIRST HALF OF THE YEAR 1908.

The mean daily profile areas in square minutes of arc for each zone of 5 degrees in latitude and for the half-year ending June 30, 1908 are represented graphically in the accompanying diagram :—



Compared with the previous six months the distribution has undergone very little change, the general form of the curve for each hemisphere remaining practically the same. It is remarkable that the south polar region has continued active, chiefly during the first three months of the year, whilst the northern polar region from latitude 70° to the pole has remained inactive, having ceased to produce prominences of any considerable size since the close of 1906.

The total mean areas for each hemisphere may be judged from the following table in which the figures for the previous six months are given for comparison :—

MEAN DAILY PROFILE AREAS OF PROMINENCES.

	1907.						1908.	
	July to December.						January to June.	
	Square minutes.						Square minutes.	
North	1.47	2.92
South	2.24	3.75
			Total	..			8.71	6.67

A very large increase is indicated in both hemispheres. The southern hemisphere has indeed been remarkably active, especially over the whole region between the equator and latitude 40° .

Metallic prominences were far more numerous in the southern hemisphere than in the northern and they were distributed over a greater range of latitude in the south. Altogether 63 were observed, 49 being south of the equator, ranging from latitude -2° to -50° , and 14 north between $+9^{\circ}$ and $+25^{\circ}$. A single high latitude metallic prominence was observed on May 27 in south latitude 78° .

The most noteworthy prominence observed during the period under review was that of February 18 in latitude -17° to -63° . A practically complete photographic record of this prominence was obtained showing the gradual increase in height and final rapid ascent of the entire mass which became separated from the sun's limb and ascended with an accelerating velocity, attaining finally a height of $9\frac{1}{2}$ minutes above the limb.

[J.E.]

NOTES.

1908.

- January 19. Lat. — 17°.5 W. Eruptive. 5° broad, almost detached from limb in hydrogen but connected in Ca at 9^h 59^m. Forms of Ca prominence at 9^h 9^m and 9^h 59^m were quite different from each other. A low elevation of chromosphere at lat. — 18° W. was metallic. D₁, D₂, b₁, b₂, b₃, b₄, 5318·6, 5018·6, 4924·1 were bright.
 20. (1) Lat. — 31° W. Top meets the last prominence. A Ca streak from top extends westwards for about 5°
 (2) Lat. — 17°.5 W. Bright jet. Metallic. D₁, D₂, b₁, b₂, b₃, b₄, bright. At 9^h 34^m this prominence appeared as a curved streak 55" away from limb. The total height was c. 0" at 10^h 0^m.
 25. Lat. + 5° E. A Ca streak connects it to limb at lat. — 2° E. This streak was not seen in photographs taken later than 8^h 52^m.
 28. Lat. — 25° E. 50" high in Ca. Ca streaks from top extend for 7° towards east and 4° towards west.
 29. (1) Lat. + 27°.5 E. A detached slanting streak 70" high at northern end, 35" at eastern.
 (2) Lat. + 9° E. Base extends to equator. Metallic; D₁, D₂, b₁, b₂, b₃, b₄, 5316·6, 5018·6, 4924·1 bright.
 30. Lat. — 19° W. Two arches touching each other and a continuous series of prominences within, 25" high.
 31. Lat. — 26° E. Metallic; D₁, D₂, b₁, b₂, b₃ bright. 25" and 40" high at 8^h 53^m and 8^h 54^m respectively. Only a faint streak 10" high at 8^h 57^m.
- February 2. Lat. — 29° E. Top runs parallel to limb for 3° towards east. A Ca streak extends 5° further east.
 7. Lat. — 1°.5 and — 7°.5 E. Metallic; lines brightest in the first of the two prominences. C slightly displaced to red at lat. — 6° E.

Bright lines :—

7065 He.	5271·2
6677 He.	5269·8 Fe.(?)
D ₁ } Na.	5234·8
D ₂ }	5227·0? Very probably the central one of the 3 lines close to one another.
5535·0 Fe.	b ₁ , b ₂ , b ₃ , b ₄ .
5447·1 Fe.	5197·8
5434·7 Fe.	5188·9
5429·9 Fe.	5018·6 Fe.
5406·0 Fe.	5016·0 He, diffused.
5404·8 Fe.	4934·1 Fe.
5397·2	4924·1 Fe.
5316·8 Fe.	4922·4 He.
5284·3 Ti.	

Time 9^h 15^m to 9^h 35^m.

8. Lat. — 6° E. A streak parallel to the limb running towards east as far as lat. — 10° E. In Ca the streak extends from lat. — 3° to — 14° E. where it meets the limb.
 12. (1) Lat. — 82°.5 W. Very faint except at base. Ca prominence 150" high and slants as far as lat. — 85° E. A Ca streak from it meets the limb at lat. — 72° W.
 (2) Lats. — 43°.5, 35°.5 and 31° W. A Ca streak passes through these and meets the limb at lat. — 24° W.
 (3) Lat. — 13° W. A streamer about 8° long proceeds northwards from the middle of it. Changed—no streamer—at 10^h 24^m. Nothing here in Ca.
 17. Lat. — 58°.5 W. At 8^h 57^m the Ca prominence consisted of a tall jet with a cloud floating over it—height 300" (which was the limit of the plate). At 9^h 11^m the cloud was smaller and the total height 270". At 9^h 51^m the height was 210".

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- February 18. (1) Lat. — 40°·5 E Slanting northwards as far as lat. — 23° E where it was highest, *i.e.* 75" high. The main prominence which was only 55" high at 8^h 56^m rose to 85" at 9^h 50^m. At 10^h 30^m the upper part of the prominences formed a long cloud quite detached from the lower portions and 120" high. The prominence was photographed 20 times in Ca and was found to be a cloud rising higher and higher till it reached a height of 9 minutes in the last photograph at 18^h 2^m.*
- (2) Lat. — 66° W. Ca. Two irregular detached streaks meeting at top 6° broad. Form-changed slowly but the prominence was visible till 17^h 17^m.
- (3) Ca photographs: 9^h 38^m, 8^h 23^m, 9^h 9^m, 9^h 54^m, 10^h 1^m, 11^h 5^m, 11^h 13^m, 13^h 59^m, 14^h 6^m, 14^h 10^m, 14^h 30^m, 14^h 36^m, 16^h 5^m, 16^h 10^m, 17^h 11^m, 17^h 17^m, 17^h 33^m, 17^h 41^m, 17^h 56^m, and 18^h 2^m. In most of these only a small part of the limb, containing the prominence at lat. — 41° E, was photographed
19. Lat. — 16°·5 W. Very bright and continuous near base. A very bright Ca flocculus close to it at the limb. Changing. O displaced slightly at several places—direction changing. Metallic. 7065, D₁, D₂, b₁, b₂, b₃, b₄ 5316·8, 5018·6, and 4924·1 strong; 6677, 5016 and 4922 faint.
- March 1 Lat. — 3° 5 W. Metallic. D₁, D₂, b₁, b₂, b₃, b₄, 5316·8, and 6677 bright. F displaced both ways 2·1 Å to violet and 2·4 Å to red. Prominence more continuous at 10^h 30^m. Very bright Ca flocculi near it.
7. (1) Lat. — 33° W. Bright and metallic at lat. — 31° W. D₁, D₂, b₁, b₂, b₃, b₄ bright throughout the height at that position.
- (2) Lat. + 13°·5 W. Metallic. D₁, D₂, b₁, b₂, b₃, b₄, 6677, 5316·8, 5018·6, 4924·1, 5016, and 4922 bright; the last two slightly.
9. Lat. + 47°·5 W. A group of five prominences connected to one another, none except the northernmost one being found in hydrogen.
13. Lat. + 1° E. Two prominences with tops connected. The top of the first is also connected to the limb at lat. + 6° E. by a Ca streak.
14. Lat. — 81° E. A cloud 10° broad at the base, but narrow at the top and with the base and top about 70" and 190" away from the limb, floats over it. The cloud was changing and had almost completely disappeared by 9^h 50^m. It was nearly connected by a streak in hydrogen to the lower prominence at 8^h 45^m. The Ca photographs show the whole prominence as connected to the limb and extending from lat. — 78° E. to — 82° W.
18. Lat. + 10° E. The main prominence is only about 50" high with its northern half brighter than the southern. A faint broken streak from the southern end slants northwards making up the total height given. Changing rapidly. The upper part of the streak was not seen on the Ca photographs.
19. Lat. + 17° E. Slants towards east. Top is connected to limb at lat. + 9° E in Ca, forming an arch 8° wide.
20. Lat. + 10° W. About 5° long, slanting, detached. Ca prominence (8^h 10^m and 8^h 27^m) was not detached, was 60" high at 8^h 10^m and 110" high at 8^h 27^m.
28. Lat. + 45° E. Three prominences connected to one another. A streak from the top of the first runs parallel to the limb towards north.
- April 4. (1) Lat. — 33°·5 W. Very bright in Ca. D₁, D₂, b₁, b₂, b₃, b₄, 5316·8, 4924·1 bright at base, brightest at western end.
- (2) Lat. — 4°·5 W. Bright, metallic. 6677, D₁, D₂, b₁, b₂, b₃, b₄, 5316·8, 5018·6, 5016, 4924·1, 4922 bright.
6. Lat. + 54° W. Ca prominence is 45" high and slants southwards over 8° and a streak from it meets the limb again between this and the last prominence
14. (1) Lat. — 21°·5 — 13°, — 5°, W. Metallic. D₁, D₂, b₁, b₂, b₃, b₄ bright. Connected in Ca. One of the connecting streaks reaches 60".
- (2) Lat. — 1° W. A streak 6° long parallel to the limb. It meets the limb in Ca at lat. + 5° W.
17. Lat. — 27° W. There are a number of faint slanting Ca streaks covering 19° to the north of this prominence. The tallest of them, 120" high, being in the northern end.

* See A.P.J., Vol. XXVIII, p. 79.

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- April 18. (1) Lat. + 73°, + 64°·5, + 57° E. Ca prominence formed a big irregular arch 90" high extending from lat. + 55°·5 E to + 82° E at 8^h 21^m. Most of it disappeared at 8^h 48^m, but there was still a detached streak 90" high.
 (2) Lat. - 2°, - 7° E. Tops connected by a streak. Metallic. D₁, D₂, b₁, b₂, b₃, b₄, and 5316·8 bright. C slightly displaced to red at several places; amounts slightly greater and F displaced 1·5 Å to violet at top, at 9^h 42^m.
 23. Lat. - 12° W. Taller portions faint. Very bright and metallic and 25" high at lat. - 10°·5 W. 4924·1, 5018·6, b₁, b₂, b₃, b₄, 5316·8, D₁, D₂, 6677 and 7065 were bright. 9^h 48^m. A few more lines were seen at 9^h 30^m. F displaced 1 Å both ways at top at that position. Maximum height only 45" in Ca.
 24. (1) Lat. - 19° E. Bright, metallic. Several bright lines. These disappeared soon.
 (2) Lats. - 12°·5, - 19°, - 23° and - 29°·5 E. In Ca these prominences are connected at the base. The height about the middle of the prominence was 90".
 25. (1) Lat - 7° W. Bright metallic. D₁, D₂, b₁, b₂, b₃, b₄, 7065, 6677 (faint), 5316·8 and 4924·1 bright. Height 45" in Ca.
 (2) Lat + 31° W. Several Ca streaks flow southwards from it, some of them passing through the last two prominences, as far as lat + 18° W
- May 13. (1) Lat. - 30° E. Detached. Slants southwards. Height 110" and 120" in Ca at 9^h 51^m and 10^h 50^m respectively and base 60" above limb in it.
 (2) Lat. - 17°·5 W. Slants northwards. Eruptive. Height remained 70" throughout but form changed rapidly as shown by Ca photographs.
 15. Lat. + 48° W. Not in Ca. Very rapidly changing. At 9^h 17^m it became a group of spikes 10" high and 2° broad.
 25. Lat. - 13° E. Only 20" high except at lat. - 14° E. Rapidly changing at that position. D₁, D₂, b₁, b₂, b₃, b₄ bright over the whole prominence. b slightly displaced to red at lat. - 11° E. at 9^h 54^m.
 27. (1) Lat - 19°·5 E. Faint. C displaced 1 Å to violet over the whole prominence. Prominence had disappeared by 9^h 28^m.
 (2) Lats. - 19°·5, - 29° - 34°·5, - 41, - 47° E. Almost continuous and maximum height only 50" in Ca.
 (3) Lat. - 78°·5 E. Metallic. 6141·9, D₁, D₂, 5535·1, 5368·0, 5316·8, 5284·2, 5276·2, 5234·8, 5197·8, b₁, b₂, b₃, b₄ (b₄ least bright of these four), 5018·6 and 4924·1 bright. 8^h 50^m to 9^h 12^m. Prominence almost completely disappeared by 9^h 12^m.
 30. Lat. - 11° E. The taller of the stems was only 15" high at 8^h 3^m in the Ca photograph. It was slowly increasing. At 8^h 7^m the height was 20", at 8^h 30^m 28", at 8^h 34^m 30" and at 9^h 12^m 45".
- June 4. Lat. - 36°·5 W. In Ca there was near this position a group of three prominences, 20", 15" and 10" high respectively and extending from lat. - 34° to - 40° W.
 8. (1) Lat. + 41° E. Detached, slanting and 4° long. Ca prominence detached at 8^h 12^m, but connected to limb at lat + 39° E. at 8^h 33^m.
 (2) Lat - 54°·5 W. Ca. A long irregular streak meeting the limb at lats. - 60° and - 49°. At 8^h 12^m it was connected to the limb at - 52° W and unconnected at the southern end and the height was 60".
 9. Lats. + 21°, 27°, 32° W. A long Ca patch passes through these and meets the limb at lat. + 15° E. There is a continuation of it on the other side in both H and Ca as far as + 35° W.
 19. Lat. - 29° W. A number of low jets in Ca on both sides of this up to lat. - 22° on one side and - 36° on the other.
 22. Lat + 60°·5 W. F displaced 1·2 Å to red at base. Height 20" at 9^h 53^m, 25" at 9^h 55^m and 30" at 9^h 57^m. Upper portion detached and no displacement in F at 9^h 57^m.

KODAIKÁNAL,
1st November 1908.

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