

Kodaikanal Observatory.

BULLETIN No. XXIII.

LIST OF PROMINENCES OBSERVED BETWEEN 1910 JANUARY 1 AND 1910 JUNE 30.

This list is a continuation of that published in Bulletin No. XXI. and contains all the prominences recorded both visually and photographically during the first half of 1910.

The methods of observation and the observers are the same as for the last list.

The following table shows the number of days on which observations were made:—

									Days.
Complete visual observations	..	..	..	..	..	..	..	..	136
Partial do do.	..	..	..	..	..	..	..	..	29
No do do.	..	..	..	..	..	..	..	..	16
Complete spectroheliograph records	..								160
Partial do do.	..	..	..	..	..	..	..	..	14
No do do.	..	..	..	..	..	..	..	..	7

Date and observer.	Hour L.S.T.	Base.	Latitude		Limb.	Height.	Remarks.
			North.	South.			
1910	H. M.	°	"	"		"	
January 1. A.Y.S	9 2	..	84		E	15	Ca.
	2		75.5		E	10	Ca.
	8 41		55		E	15	
	39		39		E	40 ±	See Note 1.
	37	2	38		E	45	
	37		28		E	15	Consists of faint streaks 75" high in Ca.
	33	2	24		E	10	
	29		16		E	40, 60 ±	See Note 2.
	9 2		7.5		E	75	Ca. A small detached cloud seen only at 9h 2m.
	8 24	1		12.5	E	15	
	20			36	E	15	
	20	1		39.5	E	40	Faint.
	9 2			41.5	E	45	Ca
	8 18	1		73	E	20	
	16			85.5	E	10	
	59			60	W	10	
	9 2	2		58	W	20	Ca. Faint.
	8 58	2		25	W	30	At 16h 10m in Ca, it was separated from the limb, and was 150" high.
	9 2			5	W	15	Ca
	8 54	1	2		W	20	In Ca at 9h 2m this was a cloud 120" high, and connected to limb by a fine streak.
	50	3	15.5		W	20	See Note 3
	47	2	29		W	25	A thin Ca streak flows northwards from top
	45		37		W	20	
	44	2	46		W	35	Very bright in Ca.
	9 14		79.5		W	30	Ca. Seen only at 9h 14m.
	2		84		W	30	Ca. photographs 9h 2m, 9h 14m, and 16h 10m.
January 2 A.Y.S	9 40		57	..	E	20 ±	
	8		50		E	20 ±	

Date and observer	Hour L.S.T	Base.	Latitude		Limb.	Height	Remarks.
			North.	South.			
1910.	H. M.	°	°	°		"	
January 2. A.Y.S.	9 4	...		67	W	10 ±	Only a small prominence 10" high at 9h 50m. 15" high in Ca. Only a degree broad in Ca
—contd.	18	2		34.5	W	20 ±	
	0	2.5		27.5	W	20	
	0			22	W	10	
	47		9		W	25 ±	
	45		33		W	10	
	40	1.5	48.5		W	25	
	43		54		W	15	Ca photographs 9h 39m (focculus), 9h 24m (prominence) poor.
January 3. A.Y.S.	9 56	2	.	42	E	20	Ca.
	10 10			62	E	15	
	10		32		W	15	
	7		38		W	10	
	8	5	50.5		W	15, 25		Northern portion faint Very poor weather Ca photograph (focculus) 10h 10m
January 4.	15 42		...	40	E	15	Ca.
	42			42	E	15	Ca.
	42	7		14.5	W	20	Ca.
	42		Equator.		W	10	Ca.
	42	3	4.5		W	10	Ca.
	42	0.5	14		W	10	Ca.
	42	0.5	16		W	10	Ca.
	42		20		W	15	Ca.
January 6. S.S.	8 32	.	64.5		E	10	No visual observations Ca photographs, (focculus only), 15h 42m and 15h 40m.
	8	0.5	35		E	30	Ca.
	27	1	19		E	40	Faint
	8	1.5		16	E	10	Ca. A small arch
	23	1		41	E	10	
	22	5		47.5	E	30	
	21	1		53.5	E	15	
	8			55	W	20	Ca.
	52	1		19	W	25	
	45	1	9		W	50	
	43		19		W	10	
	42	1	33		W	10	
	37	1	55		W	25	
	8	1	68.5		W	20	Ca Seeing poor. Ca photographs 8h 8m and 8h 16m. Fair
January 7. A.Y.S.	8 26	8	20		E	25, 30	25" and 50" high in Ca
	5		11		E	20	Ca.
	5	9	2.5		E	35	Ca. Faint; small portions of this 15" high were seen in C.
	14	7		50.5	E	40	
	5			77.5	E	10	Ca.
	8			79	E	15	60" high in Ca.
	8			82	E	15	
	5			80	W	15	Ca.
	5			79	W	10	Ca.
	5			89	W	20	Ca. Faint.
	9 15			38.5	W	15	
	8 5	8		30.5	W	30	Ca. Top slants westwards.
	5			28	W	15	Ca. Meets the last.
	9 14			22	W	10	
	8 55	5		17.5	W	40, 80	See Note 1.
	49	12		6	W	40	See Note 2.
	33		74		W	25	
	40	11	59.5		W	60, 90	
	.5		48		W	15	Ca.
	45	1	9.5		W	20	Double. C was slightly displaced to red at base. See Note 3.
January 8. S.S.	8 55	.	72.5		E	10	
	52	0.5	68.5		E	10	Ca.

Date and observer.	Hour I S T.	Base	Latitude		Limb	Height	Remarks.
			North	South			
1910.	H. M.	°	°	°		"	
January 8. S.S. — cont'd.	8 52 50 52 52 45 48 40 40 35 52 52 52 9 11 8 52 52 9 9 8 52 52 52 59 52		83 5 28 24 5 10		E E E E E E E E E W W W W W W W W W W W W	15 20 45 30 10 10 30 35 15 10 15 30 40 10 10 10 40 20 30 30 30	Ca In Ca it bends and meets limb again at +80° E Ca. Ca Slants north] Connected in Ca Ca. Ca. Ca. Ca. Two streaks Ca C and D ₃ were slightly displaced to violet at top. Ca faint. Slants up to -6° W. Slants north. Slants south. Double Ca Ca photographs 8h 52m and 8h 17m
January 9. A.Y.S.	8 42 42 38 37 35 33 32 30 9 0 8 59 42 57 42 56 55 55 42 43 41 41	1 6 5 1 6 2 2 8	50 43 33 8 5 0 5 1 4 15 55 5 61 5 64 5		E E E E E E E E W W W W W W W W W W W W	15 60 40 10 30 15 50 35 15 10 45 25 20 10 45 15 45 10 10	Ca Ca A small portion of this, 10" high, was seen in C Top flows northwards Faint. Ca Ca A detached streak parallel to limb. Ca. Seeing poor. Ca photographs 8h 42m and 9h 14m; rather poor.
January 10 S.S.	9 5 1 8 19 54 53 51 55 45 40 9 22 8 35 55 9 17 8 55 9 10	.. 1 1 1 1 1 1 4 0 5 2 2 3	85 5 88 5 60 41 37 33 12 48 82 81 5 89 15 Equator. 55 5		E E E E E E E E E W W W W W W	10 30 15 80 70 50 15 60 20 20 20 20 50 10 20	Very faint, broader at top, and slants up to +47° E. } Connected in Ca. Ca. Not seen at 8h 36m Not seen at 9h 22m. Ca. Double See Note. Ca. Ca photographs 8h 55m and 8h 16m.
January 11. A.Y.S.	8 44 28 25 44 44 44	2 7 2	64 5 44 5 36 20 14 5	...	E E E E E E	30 140 50 10 10 10	Ca. Seen only at 8h 44m. Ca. A small portion of this was very faintly seen in C. Top faint. Ca. Ca. Ca. Faint.

Date and observer.	Hour I.S.T	Base.	Latitude		Limb.	Height.	Remarks.
			North	South.			
1910.	H. M.	°	°	°		"	
January 11. A.Y.S. —contd.	8 21	6		2	E	25	} Connected by a thin Ca streak. Faint, and 80" high in Ca. A Ca streak from the base of this meets limb at -28° E. Ca. Ca. 50" high in Ca Ca. Ca. Ca. Ca. An arch. Only one of the stems was seen in C. Ca streamers from top flow to -30° W. 70" and 80" high in Ca. Ca. Ca. Ca. Ca photographs 8h 44m and 8h 18m.
	20			9	E	15	
	19	2		15	E	20	
	17			22	E	10	
	15			37	E	10	
	44			43	E	15	
	44			44	E	15	
	14	2		50	E	35	
	12			82	E	10	
	44			88	E	15	
	44			85.5	W	15	
	44	2		52	W	10	
	44			40.5	W	45, 60	
	39	7		19.5	W	30, 40	
	44				W	10	
	44		48		W	10	
	30	5	58.5		W	40	
44		68.5		W	15		
January 12. S.S.	8 23	7	40.5		E	75	Ca. A very faint prominence 15" high was seen here at 8h 54m. Ca. A Ca streak from top meets limb again at +22° E. Ca. Ca. Ca. Ca. Ca. Ca. Faint. Ca. Ca. Very faint. Ca photograph (through cirrus) 8h 23m.
	52	1.5	21		E	20	
	25		17		E	10	
	48	3		2.5	E	30	
	45	4		33	E	40	
	41	1		51.5	E	35	
	23	1		58.5	E	10	
	39			63.5	E	10	
	23	0.5		69.5	E	10	
	23			85	E	25	
	23	1		69.5	W	10	
	9 22			57	W	10	
	8 23	1		38	W	10	
	23	3		30.5	W	30	
	9 16	2		26	W	15	
	8 23	0.5	4		W	10	
23		11		W	10		
9 8		14		W	30		
8 23		27		W	30		
23		41		W	20		
9 5		43		W	20		
January 13. S.S.	9 2	2	44		E	20	Double. Faint, slender, and detached.
	10 13	1	41.5		E	20	
	9 1	0.5	36.5		E	15	
	10 13		24.5		E	15	
	12		14		E	15	
	10	8		7	E	30	
	8 55			15.5	E	35	
	53			25.5	E	25	
	53			33.5	E	10	
	10 6			85	E	10	
	19	1		18.5	W	35	
9 14			15.5	W	10		
10 17			3.5	W	20		
January 14 S.S.	8 30	...	79		E	10	Seemg bad. Ca photograph (rather poor, flocculus). 8h 45m.
	30	2	44		H	30	
	30		8		E	15	
	54		7		E	15	

Date and observer.	Hour I.S.T		Base	Latitude		Limb	Height	Remarks.
				North	South.			
1910.	II.	M.	°	°	°		''	
January 14. —contd.	S.S.	8 52	..		1	E	15	Extends to +4° E in Ca In Ca, the base extends from -2° to -10°, and the top from +1° to -10° E. Ca. At -28° E. there was a detached slanting streak 80" high Ca.
		49	2.5		7	E	45	
		30	14		80	E	45	
		30			49	E	10	
		40			85	E	10	
January 15	S.S.	8 20	...	85.5	.		30	Ca.
		20		85		E	15	Ca.
		20		78		E	15	Ca.
		9 13	3	48.5		E	25	
		8 20		45		E	10	Ca.
		20		42		E	15	Ca.
		9 10	3	38.5		E	15	
		8	6	10		E	20	Extends to +17° E. at top.
		5	1	4.5		E	15	
		8 20			15	E	75	Ca. A short detached streak parallel to limb.
		9 0	0.5		22.5	E	20	See Note 1.
		8 20			38	E	30	Ca. Slants south.
		55	1		51	E	40	Slants south. } Tops meet.
		55	0.5		54.5	E	20	
		53			69.5	E	10	
		20			71.5	E	10	Ca.
		53			74.5	E	10	
		51			79	E	15	
		49			79	W	15	
		47			58.5	W	10	
		46	0.5		50.5	W	10	
		9 34	1		38	W	15	} See Note 2.
		32	1		32.5	W	40	
		31	2		21	W	80	
		28	0.5	13.5		W	10	
		26	4	22		W	20	Two small prominences connected by a streak.
		8 20	1	31.5		W	25	Ca.
20		33		W	25	Ca.		
9 25		35		W	20	Not in Ca.		
8 20		36		W	210	Ca. See Note 3.		
9 22	0.5	43		W	15			
20	2	55.5		W	30	Ca photographs 8h 20m, 8h 7m, 8h 59m, 9h 45m, and 11h 19m,		
January 16	G.N.	8 57	...	82.5	.	E	10	Ca.
		57		81.5		E	10	Ca.
		57		77		E	30	Ca.
		57		67.5		E	10	Ca.
		57		63.5		E	10	Ca.
		57		68.5		E	10	
		9 25	4	49		E	45	
		20	3	33.5		E	40	
		8 57	5	18.5		E	30	Ca.
		57	12		11	E	60, 70	Ca.
		9 4	3		27.5	E	70	
		8 57	2		31	E	20	Ca.
		57			34	E	15	Ca.
		57	1		45.5	E	45	Ca.
		9 0	4		51	E	15	
		8 59			64.5	E	15	
		57			79	E	10	Ca.
		57			81.5	E	10	
		57			74.5	W	10	Ca.
		57			71.5	W	10	Ca.
		57	14		25	W	20, 25, 40	Ca. Connected to the limb by four stems.
		57	8	1.5		W	15	Ca.
57	4	23		W	25	Ca.		
57	2	27		W	15	Ca.		
57	4	49		W	20	Ca.		
57	2	55.5		W	30	Ca.		
57		59.5		W	25	Ca.		
57		60.5		W	25	Ca.		

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height	Remarks
			North.	South.			
1910.	H. M.	°	'	"		"	
January 17. S.S.	8 37	..	82'	...	E	10	Ca
	37		78		E	10	Ca
	44	5	49		E	50	
	41	3	34.5		E	45	
	38	1	18.		E	35	A Ca streak from top meets limb at lat. -13° E.
	35	0.5		7	E	10	<i>See Note.</i>
	37			37	E	20	Ca A short detached slanting streak.
	31	0.5		44	E	30	} Connected in Ca
	28			50.5	E	10	
	25			60	E	10	
	7			58.5	W	10	Ca Seen only at 8 ^h 7 ^m .
	9 8	1.5		42.5	W	30	Slants south slightly.
	4	2		26	W	70	
	1	1		2	W	40	} Connected at base in Ca.
	1		1.5		W	40	
	8 37	4	22		W	70	Ca. Faint. Bends north.
	37		38.5		W	120	Ca. Rather faint 3° broad, but detached from limb.
	37	0.5	54.5		W	15	Ca.
	37	0.5	57.5		W	15	Ca.
	56		58.5		W	15	Ca photographs 8 ^h 37 ^m and 8 ^h 7 ^m .
January 18. G.N.	8 2	..	71.5	..	E	15	Ca.
	2		68.5		E	15	Ca.
	55	6	50.5		E	30	
	2	1	41.5		E	15	Ca.
	2	1	37		E	15	Ca.
	51	9	64.5		E	60	<i>See Note.</i>
	2		15		E	90	Ca. An overhanging cloud connected to limb by a narrow stem at $+21^{\circ}$ E
	47	4		5	E	15	
	45	5		20.5	E	50	Only 30" in Ca at 8 ^h 2 ^m but was 45" at 11 ^h 42 ^m .
	40			57.5	E	20	A Ca streamer extends to -14° E.
	9 0	3		48.5	W	50	
	0	2		27	W	45	Ca photographs 8 ^h 2 ^m and 11 ^h 42 ^m .
January 19. S.S.	8 31	..	75		E	10	Ca.
	31	3	71		E	30	Ca
	9 10		60.5		E	10	
	7	5	52		E	45	
	1	3	36.5		E	35	
	8 31		34		E	15	Ca.
	55	3		12	E	20	
	53	2		19	E	30	Streaks at top extend from -14° E to -21° E.
	50	0.5		24	E	15	
	50	0.5		25	E	15	
	50	0.5		26	E	15	
	31	0.5		59.5	E	10	Ca.
	40			47.5	W	10	
	39	1		43.5	W	40	} Connected in Ca.
	38	1		41.5	W	20	
	31	6		10	W	45	Ca.
	31	2	Equator		W	45	Ca. Faint. Surmounted by a streak 4° long.
	31	4	6		W	40	Ca
	9 21	4	23		W	20	Ca photographs 8 ^h 31 ^m and 8 ^h 17 ^m
January 20. G.N.	8 19	...	79		E	15	Ca.
	19		70.5		E	10	Ca
	19		55.5		E	25	Ca.
	45	5	52		E	70	Only 40" high in Ca at 8 ^h 19 ^m .
	43	1	22		E	30	
	42	1	10		E	20	
	41	3		3	E	40	
	19	5		29.5	E	10	Ca
	19			51.5	E	10	Ca
	19	2		85	E	10	Ca
	19			38.5	W	10	Ca
	18			56.5	W	10	Ca.

Date and observer.	Hour I S T	Base.	Latitude		Limb.	Height	Remarks
			North.	South			
1910.	R M.	°	°	°		"	
January 20. —contd.	G.N.						
	8 53	12	.	46	W	45, 25	
	19			23	W	10	Ca.
	19			15	W	15	Ca.
	19	8		5	W	40, 40	Ca. A cloud connected to limb by 3 stems.
	19	6	10		W	40	Ca.
	19		15		W	30	Ca.
	19		19		W	30	Ca.
	50	2.5	25		W	45	Ca photographs 8 ^h 19 ^m and 8 ^h 6 ^m .
January 21.	S.S.						
	8 26	1	61.5	.	E	10	Ca.
	9 13		50.5		E	80	Slants north. Top broader.
	8 26		48		E	10	Ca.
	9 1	0.5		2	E	15	
	0	8		11	E	25	See Note.
	8 55			21.5	E	20	A Ca streak from top extends to -16° E.
	55	1		30.5	E	20	} A streak from top extends to -22° E.
	55	1		31.5	E	20	
	49			73.5	E	15	
	26			78	E	15	Ca.
	47	1		82	E	15	
	26			85	W	10	Ca.
	26			82	W	15	Ca.
	44			78.5	W	15	
	26	1		69.5	W	15	Ca.
	26			51.5	W	10	Ca.
	40	1		47.5	W	50	} A slanting Ca streak connects the tops of these 3 prominences.
	38	5.5		42	W	80	
	33			30.5	W	15	
	26			9	W	20	Ca.
	26			5	W	20	Ca.
	26		Equator.		W	20	Ca.
	9 25		5.5		W	10	
	22		31		W	20	Extends to -25° W in Ca.
	8 26	7	54		W	45	Ca. An irregular arch. Ca photographs 8 ^h 26 ^m , 8 ^h 14 ^m , 9 ^h 5 ^m , and 10 ^h 19 ^m
January 22.	S.S.						
	8 21	..	84.5	..	E	15	Ca.
	21		84		E	15	Ca.
	21		65.5		E	15	Ca.
	9 22	6	55.5		E	60	Chromosphere slightly elevated for 4° further north.
	2	1.5	16		E	25	Ca prominence extends from +11° to +22°.
	8 21	2	9		E	15	Ca.
	21		4		E	10	Ca.
	21		2		E	10	Ca.
	21			2	E	10	Ca.
	21			4	E	30	Ca.
	59			5.5	E	20	} Bright, metallic. Faint in Ca.
	21			8	E	30	
	21			10	E	15	Ca.
	51			50.5	E	10	Ca.
	21			64.5	E	25	Ca. Seen only at 8 ^h 21 ^m . Slants east.
	21			68.5	W	15	Ca.
	44			57.5	W	15	
	43			54.5	W	30	
	40	9		47	W	75	
	9 41	2		6	W	20	Not in Ca.
	8 21	7	6.5		W	20	Ca.
	9 38	5	28.5		W	20	A group of 3 prominences.
	8 21		36.5		W	40	Ca. A faint, detached cloudlet. Ca photographs 8 ^h 21 ^m and 8 ^h 39 ^m .
January 23.	S.S.						
	9 28	0.5	75		E	10	Ca.
	46	12	60.5		E	45	
	28	1	37.5		E	40	Ca.
	28		27		E	20	Ca. A very small detached cloudlet.
	41	6	20		E	45	
	37			8	E	20	Connected to the next.
	35			8	E	25	Connected to the next.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb	Height.	Remarks.
			North	South			
1910.	H. M.	'	°	°		"	
January 23. —cont'd	S.S.						
	9 35	1		11 5	E	00	Slants south. A Ca streamer, 10° long and 105" high, flows north from it. } Connected in Ca.
	35	1 5		17	E	20	
	35	1 5		20 5	E	20	} Connected at base.
	29			31 5	E	20	
	28			39	E	20	
	9			34	W	15	
	3	7		47	W	80	
	8 58	2		24	W	30	Slants north
	10 3	5	2 5		W	30	A Ca streak from top flows to +9° W.
	9 28		11		W	20	Ca A short detached streak.
	10 1	1 5	17 5		W	25	} Connected in Ca.
	0	0 5	22 5		W	45	
	9 59	6	28		W	45	} Detached.
	55		34		W	20	
	54	1	37 5		W	20	Ca Faint.
	28	4	53 5		W	20	Ca
	28		73		W	20	Ca photographs 9h 28m and 9h 0m.
January 24	G.N.						
	9 15	3	50		E	70	
	10 6		48 5		E	20	
	9 34	1	36		E	15	Ca. Very faint.
	10 5	2	31		E	20	
	9 34	3	24 5		E	20	Ca. Faint.
	34				E	20	Ca.
	12	1 5		8	E	80 ±	
	34			17	E	20	Ca
	34			18	E	40	Ca. Faint.
	34	3		50	W	30	Ca.
	20	4		27	W	50	
	22			9	W	20	
	34		38		W	15	Ca.
	34	3	51		W	45	Ca.
							Poor weather. Ca photograph 9h 34m. Poor.
January 25	S.S.						
	8 22	3	60		E	20	Ca.
	9 15	4	54 5		E	90	Narrow at top. Slants south.
	13	2	51		E	20	Not in Ca.
	9	0 5	45		E	10	
	8 22		41		E	10	Ca.
	9 9		34		E	35	Detached. Slants north. Connected to limb, and 3° broad at base in Ca.
	8 22		25		E	15	Ca. Faint.
	22		21		E	15	Ca. Faint.
	22		18		E	20	Ca.
	22		17		E	15	Ca.
	22		13		E	10	Ca.
	22	4	3		E	40	Ca.
	9 1	2		2 5	E	50	Slants south. } Tops connected by Ca streaks. Vertical in Ca. }
	8 22			14	E	45	Ca. Two detached dots.
	22	0 5		15	E	10	Ca.
	22	4		24	E	55	Ca.
	22			31	E	70	Ca
	22			36 5	E	80	Ca. Two faint, slanting, detached streaks.
	22			43 5	E	80	Ca. Four faint detached dots.
	56			49	E	15	
	22			64 5	E	15	Ca.
	22	1		69 5	E	15	Ca.
	22	0 5		72	E	15	Ca.
	45	4		50 5	W	40	
	41			33	W	10	
	39	4		29	W	30	
	9 35	1	2 5		W	20	
	32		11 5		W	20	
	30	4	19		W	40	A streak from top flows south and meets the last in Ca.
	8 22		36		W	15	Ca.
	9 25	7	48		W	45	Ca.
							Ca photographs 8h 22m and 8h 9m.

Date and observer	Hour I.S.T	Base	Latitude.		Limb.	Height	Remarks.
			North.	South.			
1910.	H. M.	"	"	"	"	"	
January 26. A.Y.S	9 0	8	58.5	.	E	85	See Note.
	8 55	6	48.5		E	10	
	55	6	40		E	30	
	50	1.5	18		E	30	A Ca streak from top, 50" high, slants and almost meets the limb again at +13° E
	3	3	6.5		E	15	Ca.
	46	5		2.5	E	25, 45	Three prominences
	32	1		23.5	E	20	
	9 17			34	E	15	
	8 28			47	E	10	
	28			54.5	E	20 ±	Rather faint. 10" high at 8 ^h 11 ^m in Ca.
	3			54.5	W	15	Ca. Faint
	9 14	2		50.5	W	40	Top slants southwards
	8 11			45.5	W	15	Ca. Seen only at 8 ^h 11 ^m .
	11			38	W	25	Ca. Do.
	9 12		7		W	10	Ca.
	8 3	2	21		W	20	Ca.
	9 9	6	46.5		W	20, 45	Two prominences with tops connected.
	5		65.5		W	15	Ca. photographs 8 ^h 3 ^m and 8 ^h 11 ^m .
January 27. G.N	8 3	5	58	..	E	25	Ca.
	45	2	40.5		E	40	Only 20" high in Ca.
	43	1	30		E	40	} Connected at top in Ca.
	41	4	23		E	70	
	41		18		E	50	} Ca.
	3		Equator.		E	20	
	37			20	E	20	
	37			28	E	25	
	30	5		42	E	40	
	3	3		54	W	20	Ca.
	3			27	W	20	Ca.
	55	1.5		10	W	30	} Tops connected in Ca.
	55	2		0	W	40	
	55			2	W	40	
	55	1.5	3		W	60	} Only 45" high in Ca.
50	4	44.5		W	60	Ca. photographs 8 ^h 3 ^m and 8 ^h 15 ^m .	
January 28 S.S.	8 5	...	68	...	E	30	Ca.
	5		58.5		E	10	Ca.
	9 18		55.5		E	10	
	8 5		58.5		E	10	Ca.
	9 15	3	44.5		E	80	
	10		30		E	60	
	10	1	25		E	50	} Detached from limb but connected to the next prominence. In Ca they form a group extending from +21° to +33° E, and 45" and 60" high.
	7	1	20		E	20	
	3	4		3	E	20	
	8 18	0.5		12	E	15	Ca. Seen only at 8 ^h 18 ^m .
	9 1			27	E	10	
	8 59	1		36	E	25	} In Ca they form a connected group extending from -34° to -51°.
	57	1		39.5	E	45	
	54	1		48	E	40	
	5			62.5	E	15	Ca.
	9 35			78	W	15	See Note.
	8 42			67.5	W	10	
	37	2		46.5	W	15	
	32	1.5		23	W	15	
	32	1		19	W	15	Slants south in Ca.
38			11	W	10		
9 31	10	14		W	15	Extends to +2° W. in Ca.	
27	6	46.5		W	50		
24	4	56.5		W	25		
8 5		65.5		W	10	Ca.	
5		76.5		W	15	Ca. photographs 8 ^h 5 ^m and 8 ^h 18 ^m .	

Date and observer.	Hour I S T	Base.	Latitude		Limb	Height.	Remarks.
			North	South			
1910.	H. M.	°	°	°		"	
January 30. A.Y.S.	9 49	2		7	E	15	
	45			12	E	20	
	45	3		15.5	E	35	
	42			22.5	E	10	
	41			34	E	15	
	40			36	E	10	
	39	1.5		49.5	E	30	
	35	1		64	E	40	± Very faint.
	33			88	E	10	
	31			84	W	20	
	30	1		78.5	W	15	
	29	2		49.5	W	30	
	24			47.5	W	10	
	23			40	W	20	
	18	1	14		W	20	
	11	4	28		W	50	
	0	6	43		W	45, 70	
	54		53.5		W	10	
8 51		61.5		W	10		
9 32		84		W	10		
January 31 G.N.	10 32			21.5	E	30	
	11 8	1.5		15	W	40	
	5	2.5		6	W	40	
	2	2	6		W	30	
	2	1.5	17		W	20	
	10 54		21		W	15	Ca.
11 0	1.5	38.5		W	40	Ca photograph (foculus plate) 10 ^h 54 ^m . Poor.	
February 1. S.S.	8 30	0.5	88	...	E	15	Ca.
	9 15	2	40.5		E	40	Faint.
	8 30	2	38.5		E	25	Ca.
	30	1	0.5		E	40	Ca.
	30			3	E	15	Ca. Faint.
	30			7	E	15	Ca.
	30	3		11.5	E	45	Ca.
	30			15	E	60	Ca.
	9 3			25	E	45	Detached. } Connected, and 30" high in Ca.
	3	0.5		27	E	30	
	3			29	E	15	30" high in Ca
	8 30	1		34	E	15	Ca.
	30			36	E	15	Ca.
	9 0			43.5	E	15	
	8 57	2		46.5	E	45	
	59			50.5	E	20	
	30	1		66.5	E	15	Ca
	43			46	W	10	
	9 58	3		17	W	65	
	56	1		8.5	W	20	
55			1	W	10		
54	1	4		W	15		
52		15.5		W	10		
52	3	18.5		W	10		
50	5	38.5		W	35	Double.	
43		49.5		W	40	Very faint.	
42	3	56		W	30	Faint. 6" broad at top.	
32		81		W	15		
32		82		W	15		
							Ca photographs 8 ^h 30 ^m and 8 ^h 51 ^m .
February 2. A.Y.S.	15 24	...	31.5	..	E	15	Ca.
	14 26	2	8		E	10	
	15 24		Equator.		E	15	Ca.
	14 25			15	E	15	±
	25			17	E	15	±
	22	4		42.5	E	30	3 prominences close together.
	20			33.5	W	15	
50	2		19	W	45, 30	Base extends in Ca to — 17° W	

Date and observer.	Hour I.S.T.		Base.	Latitude.		Lamb.	Height	Remarks.
				North.	South.			
1910	H.	M.	°	°	°			
February 2. A.Y.S. —cont'd	14	49			11.5	W	10	
	15	24			4.5	W	45	Ca. Two faint streaks meeting at top.
		24		10		W	25	(a.
	14	48	2.5	13.5		W	25	Bright.
		46	4	36		W	40	A thin Ca streak from top of this meets hmb at + 28° W.
		40	6	52.5		W	185, 80	
		38		78.5		W	10	
February 3. ..	14	40	2	29		E	70	Poor seeing. Ca photographs 15 ^h 24 ^m and 15 ^h 47 ^m .
		40	1	26		E	80	Ca.
		40		1		E	15	Ca.
		40			41.5	E	10	Ca.
		40			49.5	E	10	Ca.
		40			52.5	E	10	Ca.
		40			54.5	E	10	Ca.
		40			15	E	20	Ca.
		40			8	E	45	Ca. A streamer extends to 0°.
		40	1	38		E	15	Ca
February 4. S.S.	8	6	...	88.5		E	15	Ca.
		6		88		E	15	Ca.
		6		78		E	45	Ca.
		6	2	50.5		E	15	Ca.
	9	8	1	48.5		E	20	
		8	1	44.5		E	20	} Connected in Ca.
		2	2	29		E	60	70° high in Ca.
		1	3	18.5		E	25	See Note 1. } Connected by a Ca streak.
	8	57	8	.7		E	40	Changing.
		55	1		0.5	E	10	
		6			6	E	20	Ca.
		6	1	34.5		E	10	Ca.
		49	10	47.5		E	50	Very faint except at the two ends.
		44		75		E	10	
		6		82		E	10	Ca.
		38	0.5	79.5		W	10	Very faint.
		35		39.5		W	15	Faint.
		34		25		W	20	Detached, and 2° long. Extends to — 32° W. in Ca.
		32			15	W	60	See Note 2.
		29			12	W	25	Detached.
		27			8	W	25	See Note 3.
		25			1	W	20	Faint.
		6	0.5	48.5		W	10	Ca.
		6	2	52.5		W	25	Ca.
		6	0.5	66		W	10	Ca.
	9	14		71		W	10	O slightly displaced to red. Height rapidly increasing. 20° high at 9 ^h 16 ^m .
	8	6		88.5		W	10	Ca.
February 5. A.Y.S.	9	6	..	81		E	10	Seeing poor. Ca photographs 8 ^h 6 ^m , 8 ^h 18 ^m , and 8 ^h 59 ^m .
		2		75.5		E	25	Bright. O slightly displaced to V at top. D ₁ , D ₂ , b ₁ , b ₂ , b ₃ , and b ₄ were bright
	8	43	1	49		E	80	Ca
		43		40.5		E	10	Ca.
		43		38.5		E	10	Ca.
		59	1	30.5		E	25	
		47	21	18.5		E	45, 30, 20	} Connected.
		41	2	4		E	20	
		39			1.5	E	30	Faint.
		34	8		13	E	30	Ca streaks proceed both ways from base to — 6° and — 22° E
		43			34.5	E	10	Ca.
		43			38.5	E	15	Ca.
		43			42.5	E	10	Ca.
		19	2	44.5		E	15	
		43		38.5		W	10	Ca.
		43		27		W	10	Ca.
		43		25		W	10	Ca.

Date and observer	Hour I.S.T.	Base	Latitude.		Limb	Height	Remarks.
			North.	South.			
1910.	H. M.	°	°	°		"	
February 5. A.Y.S. —contd.	8 43	.	...	28	W	20	Ca Detached.
	9 29	1		9.5	W	50	Top broader. Streaks from top flow to + 5°, and - 14° W.
	20	1		0.5	W	30 ±	Faint
	15		9		W	10	
	15	1	12		W	20	
	13		25		W	40	A Ca streak from top meets limb at + 19° W.
	10		33		W	10	
	8 48		39		W	15	
	9 9	2	61.5		W	15	Ca.
	7	1	71.5		W	15	Ca photographs 8h 43m and 8h 53m.
February 6 G.N.	8 46	.	80.5		E	15	Ca. Faint
	46		87.5		E	20	Ca. } Connected by Ca streaks
	55	1.5	27		E	60	
	55	3	22		E	70	
	51		15		E	20	
	51	2	11		E	20	
	50		2.5		E	25	
	48	14		18	E	40, 50, 35	
	46			57.5	E	30	Ca
	48			83.5	E	15	
	46			19	W	30	Ca. Bends, and extends to meet the next prominence.
	9 7	3		9	W	60	
	8 40	1	22		W	20	Ca. Meets the next prominence.
	9 4	1.5	27		W	30	A Ca streamer starts from the top, and proceeds to + 14° W.
8 46		30		W	10	Ca.	
46		52.5		W	15	Ca.	
9 2	1.5	60.5		W	75	Ca photographs 8h 46m and 8h 25m.	
February 7 S.S.	9 15	0.5	61	...	E	15	
	8 19	0.5	55.5		E	45	Ca. A streak extends to + 51°.
	9 14	1	40.5		E	30	Very faint.
	5	6	24		E	60	Ca prominence extends from + 12° to + 33°. Extension on the north side was faint.
	0	0.5	10		E	20 ±	Very faint. C slightly displaced to violet.
	8 54			9	E	10	
	53	2		12	E	25	
	50			21.5	E	10	
	46			47.5	E	15	
	46			51.5	E	15	
	44			55.5	E	15	
	19	1.5		78	E	15	Ca. Seen only at 8h 19m.
	19			67	W	20	Ca. Faint
	33	0.5		39	W	10	
	19			30	W	20	Ca
	9 30			20	W	10	
	29	1		3.5	W	20	
8 19	1	7		W	25	Ca.	
9 28	1	34		W	10		
23	5	56		W	30		
21	2	60.5		W	10		
February 8. A.Y.S.	9 16	...	70		E	10	Ca photographs 8h 9m and 9h 11m.
	16		69		E	10	Ca.
	16		67		E	10	Ca.
	16	10	42.5		E	30	Ca. A group of small prominences.
	8 45	10	21		E	45	
	34			28	E	15	
	30	4		52.5	E	20	40" high in Ca.
	25	1		88.5	W	15	
	9 16			44.5	W	10	
	16	3		3.5	W	20	Ca. Top extends both ways to 0° and - 10°.
	8 59		3		W	10	
	55	2	38.5		W	30	
	9 16		56.5		W	10	Ca.
18		60.5		W	10	Ca photographs 9h 16m and 8h 44m.	

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1910.	H. M.	°	°	°			
February 9 G. N.	9 18	2	80.5	.	E	20	Ca.
	8 39		53.5		E	20	
	9 16	7	45		E	40	Ca.
	8 35	2	25		E	45	
	9 18	3	21.5		E	45	Ca. Only a part of this was seen in C at 8 ^h 35 ^m
	16		11		E	15	Ca.
	10 0	1	2		E	80	
	8 33	8	10		E	40	See Note.
	28	5		52	E	60	
	25			66	E	10	
	10 7			75.5	W	15	
	6			83.5	W	15	
	8			52.5	W	10	
	9 18			38.5	W	15	Ca.
	16	1		4	W	30	Ca. Bends and meets the next prominence
	10 5	1	3		W	50	
	9 16	12	26		W	20, 30	Ca. Only a part of this was seen in C at 8 ^h 40 ^m .
	16	1	45.5		W	40	Ca.
	10 3		59.5		W	40	Only 20' high in Ca. Ca photographs 9 ^h 16 ^m and 8 ^h 26 ^m .
February 10. S.S.	9 34		68.5	.	E	10	
	32	1	45.5		E	70 ±	40' high in Ca. Slants north.
	8 45	1.5	34		E	25	Ca. Rather faint. Slants south.
	9 26	6	24		E	40	
	8 45		9		E	15	Ca.
	9 24	2	2		E	20	Extends to +5° E., and is 40' high in Ca.
	20			3.5	E	40	See Note 1.
	20	5		6	E	15	
	7	3		13.5	E	25	See Note 2.
	3	0.5		23.5	E	15	} Connected.
	1			28.5	E	15	
	0			38.5	E	10	
	8 59			45.5	E	15	Very faint.
	57	4		49.5	E	45	
	51			68	E	10	Very faint.
	49	1		79.5	E	10	
	31	1		23	W	20	} Very faint. } Tops connected in Ca
	31	0.5		17	W	20	
	29	1		14.5	W	10	
	11		8		W	15	Ca. Seen only at 8 ^h 11 ^m .
	45	0.5	18		W	10	Ca.
	45	3	24.5		W	30	Ca. A group of 3 prominences
	9 43		27		W	30	
	8 45	1	38.5		W	20	Ca.
	45	4	58.5		W	15	Ca.
							N W. quadrant observed through cirrus. Ca photographs 8 ^h 45 ^m and 8 ^h 11 ^m .
February 11. G.N.	8 46	..	69	...	E	10	
	45		49.5		E	20	
	10	1	34.5		E	25	Ca.
	10	6	28		E	30	Ca. Only a part of this was seen in C.
	10	4	19		E	30, 40	Ca. Only a part of this was seen in C.
	10		4		E	10	Ca.
	41	5		15	E	25	
	38	15		44.5	E	45, 35, 25	A number of prominences joined together.
	33			75.5	E	15	
	52			40.5	W	10	
	52			33	W	25	
	52			31	W	25	
	51			29	W	30	
	51			24	W	25	
	10		20		W	25	Ca.
	10		30		W	30	Ca.
	10		43.5		W	40	Ca.
	10		46.5		W	30	Ca.
	10		49.5		W	30	Ca.
	49	2	57.5		W	45	Only 20' high in Ca. Ca photographs 8 ^h 10 ^m and 8 ^h 44 ^m .

Date and observer.	Hour I.S.T.		Base.	Latitude.		Limb.	Height.	Remarks.
				North.	South.			
1910.	H	M	°	°	°			
February 12. S.S.	9	40	0.5	58.5	...	E	10	} Connected and 40" high in Ca. 20" high, and extends to - 10° E. in Ca. A group of 3 prominences. 70" high in Ca.
		38		37		E	70	
		35	0.5	25.5		E	55	
		18	2	14		E	15	
		12	2		18	E	10	
		6	12		38.5	E	50	
		4	1		50	E	20	
		0	0.5		52	E	15	
	8	58			55	E	15	
		47			50	W	10	
		42	3		38	W	50	
		42	1		34	W	55	
		42			30	W	10	
	9	51		21		W	25	
	8	18	1	30		W	20	
	9	47	2	44.5		W	35	
		45	3	56.5		W	20	
February 13. S.S.	9	30		55.5	...	E	20	Ca
		21	1	52.5		E	30	} Faint. 60" high in Ca. Top bends, and meets the last prominence in Ca. Ca. Two small connected arches. U slightly displaced to red at - 53° at 9h 53m. In Ca, the prominence consisted of small scattered dots 40" high. Ca. Ca photographs 9h 30m and 9h 38m.
		19	4	37.5		E	90 ±	
		16	1.5	20		E	20	
		16	1	15.5		E	30	
		12	4	6		E	25	
		9	2		10	E	30	
		7			17.5	E	10	
		30			44	E	80	
		5			45.5	E	10	
	8	59			66	E	10	
		58	1.5		70.5	E	10	
		50	7		40	W	80	
	9	33	4		20	W	10	
		31		3		W	20	
		30		24		W	15	
		28	3	56.5		W	15	
		25		66		W	10	
		24		71		W	15	
February 14. G.N.	9	0	5	37		E	60	75" high in Ca.
	8	55	9.5	20		E	50, 60	45" high in Ca.
		50	4	5		E	80	A Ca streamer extends to the equator.
		44	2		16	E	45	Only 20" high in Ca.
		42	0.5		20	E	10	
		39	1		54.5	E	15	
		38	0.5		64	E	20	
	9	16	4		42	W	65	
		13	2		29	W	30	A Ca streamer extends to lat. - 20°.
		11	2		11	W	35	Only 25" high in Ca.
	8	24	1		28	W	30	Ca. Faint.
	9	8	2		26	W	30	
	8	24			5	W	60	Ca.
		24	1	30		W	20	Ca.
		24		39.5		W	45	Ca. A cloud connected to limb by a stem. Ca photographs 8h 24m and 8h 14m.
February 15. S.S.	9	17		78	...	E	10	
		11		34.5		E	10	
		9	7	22.5		E	25	
		7		8		E	20	
		4	1.5		9	E	20	
		2			17	E	10	
		0	2		24	E	40	20" only in Ca.
		0	2		30	E	20	
	8	47			58.5	W	10	
		38	2		45.5	W	30	Slants westwards.
		36			41.5	W	15	
		8			30	W	160	Ca. Detached dots.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1910.	H. M.	°	°	°			
February 16. S.S. —contd.	8 33 31 28	5		24 18 6 5	W W W	80 10 25	Top flows westwards. 7° broad in Ca, and top flows southwards. Ca photographs 8 ^h 8 ^m , 8 ^h 25 ^m , 8 ^h 35 ^m , 9 ^h 13 ^m , 10 ^h 18 ^m , and 10 ^h 23 ^m . } <i>See Note.</i>
February 16. A.Y.S.	8 47 47 30 44 30 39 39 34 30 24 30 26 9 15 7 3 8 58 56 54 51	1 2 2 2 1 1 1 7 2 4 0 5 5 1 1	56 5 51 5 21 18 9 1 12 16 88 3 5 48 5 48 5 21 28 31 59 5 67	.. .. .. .. 6 12 16 88 3 5 48 5 48 5 6 8 5 17 22 30 47 5 78 5 75 5 61 48 5 24 5 26	E E E E E E E E E E E E W W W W W W W W W	15 20 15 15 10 45 10 20 60 10 85 20 30 90 15 30 30 10 20 40, 45 50 15 45, 15 15 10 10 10 40 30 30	Ca. Ca. 30" high in Ca. A faint streak. 60" high in Ca. Ca. Two detached streaks. Only 25" high in Ca. A Ca streak meets limb at -40°W. <i>See Note.</i> Top bends, and meets limb, and 30" high in Ca. Ca photographs 8 ^h 30 ^m , 8 ^h 44 ^m , 9 ^h 15 ^m , 9 ^h 44 ^m , and 9 ^h 49 ^m .
February 17. G.N.	8 44 58 55 50 44 42 26 40 37 35 26 26 26 9 3 8 26 9 0	... 0 5 9 17 7	75 5 51 5 38 5 88 14	... 8 5 17 22 30 47 5 78 5 75 5 61 48 5 24 5 26	E E E E E E E E E E E E W W W W	20 20 20 40 35 40, 45 50 15 45, 15 15 10 10 10 40 30 30	Ca. Seen only at 8 ^h 44 ^m . 3 prominences close together. Ca. Seen only at 8 ^h 44 ^m . Ca. Faint. Ca streamers extend from top to lat. -22°E. Ca. Ca. Ca. Ca. 2 prominences close together. Ca photographs 8 ^h 26 ^m and 8 ^h 44 ^m .
February 18. ...	10 25 25	6	... 26	44 5	W W	40 20	Ca. Ca. No visual observations. Ca photograph (focculus) 10 ^h 25 ^m , poor and in- complete.
February 19. A.Y.S.	9 20 8 41 9 18 15 7 46 25 25 25 28 23 22	5 1 28 6 1 1 5 1 0 5	46 20 41 5 2 5 11 5 40 5 12 5 5 18 26 5 36 62	... 11 5 40 5 12 5 5 18 26 5 36 62	E E E E E W W W W W W W W	45 40 10 30 30 45 15 15 20 30 10 10	Ca. A slanting streak. Faint in Ca. Seeing poor. Ca photograph (focculus) 8 ^h 41 ^m .
February 20. G.N.	10 47 55 55 55 47 46	4 2 5 2 5	52 5 35 5 31 5 30 9 18 5	..	E E E E E E	30, 15 10 10 15 40 45	Ca. Ca. Ca.

Date and observer.	Hour I.S.T.		Base.	Latitude.		Limb.	Height.	Remarks.
				North.	South.			
1910.	H.	M.	°	°	°		"	
February 24. S.S.	8	48	..	70	..	E	15	Ca
	9	13	6	58.5		E	60	
		7		40.5		E	15	2° broad in Ca.
		0		29		E	70	A faint streak 40" high in Ca.
		0		27		E	70	A faint streak 10" high in Ca.
		0		23		E	70	Do.
	8	48			6.5	E	40	See Note 1.
		49	4	8	20	E	30	
		49	1		28.5	E	30	} Connected by a Ca streak.
		49	1		31	E	20	
		48			48.5	E	35	Ca.
		48			51.5	E	25	Ca.
		42			67	E	10	
		39			88	W	20	Faint O was slightly displaced both ways at base.
		35	5		51	W	30	
		31	1		20.5	W	45	
	9	31			18	W	35	See Note 2.
	8	48			16	W	60	Ca. A detached cloudlet.
		28	3		11.5	W	10	
	9	30		8		W	10	
	8	48		18		W	15	Ca.
	9	29	1	16.5		W	20	} Tops connected by a Ca streak.
		29	2	20		W	20	
		24	1	26.5		W	25	
		24		32.5		W	10	
		22	11	46		W	70	Ca photographs 8h 35m and 8h 43m.
February 25. A.Y.S.	8	59	...	78.5	...	E	10	
		59		78		E	10	
		58		71.5		E	25	Ca. Rather faint. Seen only at 8h 56m.
		55	8	57.5		E	45, 50	
	9	58		45.5		E	10	Ca.
	8	50		41		E	45	Very faint. An arch covering 3° of limb.
	9	56		27		E	15	Ca.
	8	37		20		E	15	Faint.
		31		5		E	10	
		31		3.5		E	10	
	9	56			5	E	10	Ca.
		56			8	E	10	Ca.
		56			14	E	10	Ca.
		56			16	E	20	Ca.
	8	27	1		20.5	E	20	Top flows eastwards to — 24° E.
		25	5		39	E	20	Three prominences.
	9	56			40.5	E	15	Ca.
		36			68.5	E	10	
	8	22			82.5	W	10	
	9	56			81.5	W	10	Ca.
		56			78	W	10	Ca.
		56			69	W	15	Ca.
		34	6		58	W	30	
		32	8		43.5	W	45	} Faint } Connected in Ca and 30", 120", and 100" high in it.
		26	5		38	W	65	
		56			27	W	20	Ca. Faint.
		22	11		14.5	W	35	See Note.
	8	56		2		W	15	Ca. An arch seen only at 9h 56m.
	9	56	1	5.5		W	20	Ca. Faint.
		15	17	21.5		W	45	
		10	1.5	35		W	30	
		9		39.5		W	10	
		3	6	48.5		W	50	
		56		82		W	25	Ca. Observed through cirrus. Ca photographs 9h 56m and 8h 43m.
February 26. G.N.	8	59	6	55.5	...	E	60, 75	Ca. Changing slightly.
		59	2	24		E	15	Ca.
		59		5		E	15	Ca.
		59		2		E	10	Ca.
		59			2	E	40	Ca.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb.	Height.	Remarks.
			North.	South.			
1910.	H. M.	°	°	°			
February 26. G.N. —contd.	8 59	..	...	5	E	30	Ca.
	59			7	E	20	Ca. Detached
	59			12	E	10	Ca.
	35	1		40	E	20	
	59			45.5	E	10	Ca.
	34			72.5	E	15	
	34			74.5	E	20	
	9 2	3		55	W	50	
	2			47	W	15	
	8 59			37.5	W	90 ±	Faint jets } Connected by a number of Ca streaks. Changing and 150", 165", and 45" high in Ca.
	59			8	W	30	Ca. Slants southwards.
	59				W	20	Ca.
	53	18	4		W	30, 60, 80	
	45	3	16		W	20	
	59		32		W	20	
	43	5	39.5		W	30	Ca.
	39		48		W	100	
			75.5		W	20	
							Ca photographs 8 ^h 59 ^m , 8 ^h 37 ^m , 9 ^h 22 ^m , and 10 ^h 33 ^m .
February 27. A.Y.S.	8 52	.	75.5	.	E	10	Ca.
	35	2	58.5	.	E	20	
	52		52.5	.	E	10	Ca.
	33	1	22	.	E	20	A Ca streak from the top flows to + 27° E.
	52		14	.	E	80	Ca.
	30		5	.	E	20	A Ca streak from the base of this flows to + 10° E
	30		3	.	E	20	Connected with the last in Ca.
	30			3	E	25	75" in Ca.
	29	1.5	17.5	.	E	20	
	52		20	.	E	15	Ca.
	52	1	23.5	.	E	25	Ca. } Tops connected by a streak which extends to
	52	1	30	.	E	25	Ca. } - 85° E.
	27		38	.	E	10	30" in Ca.
	27		42.5	.	E	10	
	27		46.5	.	E	10	Surmounted by a Ca detached cloudlet 40" high.
	25		49.5	.	E	10	
	57		72.5	.	W	10	Not seen at 8 ^h 20 ^m .
	20	2	55.5	.	W	35	
	21		50.5	.	W	15	Connected and 60", 45", and 50" high
	54		42.5	.	W	35 ±	Very faint } in Ca.
	52		36.5	.	W	15	Ca.
	50	6	10	.	W	45	
	47	1.5	24	.	W	30	
	52		36.5	.	W	25	Ca.
	45	4	39.5	.	W	40	80" high in Ca.
	39		51.5	.	W	10	
	39	1	58	.	W	30	A Ca streak from top flows to + 64° W.
							Ca photographs 8 ^h 52 ^m and 9 ^h 18 ^m .
February 28. S.S.	9 23	...	69	...	E	15	Ca.
	23		64	...	E	15	Ca.
	23		62	...	E	40	Ca. A detached cloudlet.
	23		61	...	E	10	Ca.
	2		58	...	E	25	See Note 1
	28		39.5	...	E	15	Ca.
	23	3	36	...	E	20	Ca.
	23		31.5	...	E	10	Ca.
	23		30.5	...	E	10	Ca.
	8 53		22.5	...	E	70	Very faint in C. The Ca prominence consists of streaks scattered over 6° of limb.
	9 23		18	...	E	15	Ca.
	23		6	...	E	10	Ca.
	23			8	E	80	Ca. A streak.
	23			8	E	120	Ca. A streak slanting and meeting the top of the last.
	8 54			5	E	15	Very faint
	51			18.5	E	30	Do.
	48	5		28.5	E	40	Ca streaks from base flow to - 34° E.

Date and observer.	Hour I.S.T.	Base.	Latitude.		Limb	Height.	Remarks.	
			North.	South.				
1910.	H. M.	°	°	°		''		
February 28. S.S. —contd.	9 23	4	..	81.5	E	20	Ca.	
	8 40	5	..	45	E	30	Ca.	
	36			58.5	E	10	Faint	
	56			80	W	30	Ca.	
	56			77	W	45	Ca. } Seen only at 8 ^h 56 ^m .	
	56			67	W	15	Ca. }	
	9 23			60	W	20	Ca.	
	8 28			57.5	W	10		
	28			52.5	W	20	Faint.	
	26	1		21.5	W	15	See Note 2.	
	24	5		12.5	W	40	Top flows southwards	
	9 23			7	W	20	Ca. An arch.	
	23			4	W	40		
	28				2	W	40	} Connected and slightly changing in Ca.
	23			Equator.	W	40		
	11			4	W	25		
	7	2		53.5	W	35	± See Note 3.	
	23			58.5	W	30	Ca.	
	23			79.5	W	10	Ca. Ca photographs 9 ^h 23 ^m , 8 ^h 17 ^m , and 8 ^h 56 ^m .	
	March 1. G.N.	8 10	...	88	..	E	10	Ca.
10			82.5		E	10	Ca.	
10			80		E	10	Ca.	
10			78.5		E	15	Ca.	
46		1	60.5		E	30	} Connected.	
46		3	56		E	30		
10		3	41		E	30	Ca.	
10			37		E	50	Ca.	
10			24		E	15	Ca.	
42			18		E	20		
10		3		0.5	E	90	Ca.	
40		1		25.5	E	20	See Note 1.	
38		5		44	E	30		
48				77	W	15	Ca. Seen only at 8 ^h 48 ^m .	
9 5		3		51	W	50	25" high in Ca.	
8 10				46.5	W	60	Ca.	
9 3		1		25	W	10		
8 50		5		4.5	W	100	± See Note 2.	
45	13		21.5	W	70			
10			34.5	W	15	Ca.		
10	3		58	W	80	Ca. Ca photograph 8 ^h 10 ^m .		
March 2. A.Y.S.	8 47	...	88	...	E	10		
	47		82.5		E	10		
	57		79.5		E	15	Ca.	
	57		70.5		E	10	Ca.	
	42		60		E	45	± See Note 1.	
	42		55.5		E	20		
	38	0	52.5		E	25	45" high in Ca.	
	32		45.5		E	10		
	32	2	34.5		E	20	C slightly displaced to violet at base.	
	27		29		E	10	35" high in Ca.	
	25		26		E	10		
	25		18.5		E	10		
	57		9		E	10	Ca.	
	22	1		0.5	E	50	Top faint Slants to + 8° E.	
	20			25	E	10		
	20			3.5	E	10		
	18	2		43.5	E	40		
	57			47.5	E	10	Ca.	
	18			50.5	E	15	Faint	
	18	1		73	E	10		
	9 27			69	W	10		
	8 57			86.5	W	10	Ca.	
9 26	3		26.5	W	20			
25	4		14	W	50	Faint and changing in Ca.		
5	3		8.5	W	20	See Note 2.		

Date and observer.	Hour L.S.T.	Base.	Latitude.		Limb.	Height	Remarks.	
			North.	South.				
1910.	H. M.	"	"	"		"		
April 2. —contd.	G.N.	8 27	2	47.5	E	45		
		25	1	54.5	E	15		
	14		28	W	15	Ca		
	9 6	3	20.5	W	35	20" high in Ca.		
	4	6	11	W	45			
	4	1	4	W	30			
	4	1	1.5	W	70	Faint } Connected and 70" and 80" high in Ca.		
	0		34.5	W	25	A number of jets extending from + 30° to + 40° W.		
	8 14	1	51.5	W	20	Ca		
	55	2.5	56.5	W	45	An arch		
	14		63.5	W	30	Ca.		
						Ca photographs 8h 14m and 8h 6m.		
	April 3	A.Y.S.	8 45	2	49.5	E	30	Ca.
			45		40.5	E	15	Ca.
23				29.5	E	10		
22			1	24.5	E	30	Two jets	
45				20	E	10	Ca	
19			13		4.5	E	30	A thin Ca streak from the base flow to + 6° E.
14					32	E	30	
7					42.5	E	10	
7			1.5		45.5	E	10	
4			1		60	W	10	See Note.
54			6		16	W	40	Changing
45					5	W	10	Ca.
50				Equator.		W	10	
49			1	12.5		W	15	
49			2	15		W	35	Faint. } A Ca streak from + 8° W, connects the tops of these prominences, and meets limb again at + 28° W.
49			0.5	19		W	15	
44			2	33		W	30	
40				38.5		W	15	30" high in Ca.
40				41.5		W	10	
34			5	56		W	50	High wind and unsteady limb. Ca photographs 8m 45m and 8h 35m.
April 4	S.S.	8 23	..	75	E	10	Ca.	
		43	4	57.5	E	60	45" high in Ca. A Ca streak from top, meets limb at + 53°.	
		23		48.5	E	15	Ca	
		41		45.5	E	10		
		23		43.5	E	10	Ca.	
		23		42.5	E	10	Ca. Faint	
		40	3	25.5	E	25		
		37		9.5	E	20		
		36	2	1.5	E	50	Two Ca streaks from top } Tops connected by a flow as far as + 11° W. } streak; 25", 30" and 40" high in Ca.	
		36	2		5	E	50	
		34	2		10	E	50	
		34			29	E	25	Detached.
		34	1		33.5	E	10	
		23			44.5	E	15	Ca. Faint.
		32			47.5	E	10	A Ca streak from top 35" high extends to - 51° E.
		30	10		55.5	E	30	
		29			66	E	10	
		23			83	E	10	Ca.
		23			79	W	15	Ca.
		25			62	W	15	
		53		4		W	10	
		23		8		W	15	Ca Detached.
		52	3	15.5		W	45	
51	4	26		W	45	Connected in Ca and extend from + 11° to + 36° W.		
50		30		W	30			
49		35		W	10			
48	1	47		W	20	See Note.		
47	5	56		W	70			
10		60.5		W	30	Ca. Seen only at 8h 10m. High wind from East. Ca photographs 8h 23m and 8h 10m.		

