

POSITIONS AND AREAS OF SUN SPOTS—Continued

Date	Eastern standard time	Heliographic			Area		Total area for each day	Observatory
		Diff. in longitude	Longitude	Latitude	Spot	Group		
1935—Con.								
Sept. 5.....	12 30	-10.0	119.3	+20.0		25		Mount Wilson.
		-8.0	121.3	+29.0		4		
		+18.0	147.3	+20.5	307			
		+38.0	167.3	+24.0		23		
		+70.0	199.3	+31.0	33		392	
Sept. 6.....	11 35	+1.0	117.6	+19.0		154		U. S. Naval.
		+30.0	146.6	+20.0	247			
		+50.5	167.1	+22.0		154		
		+32.0	198.6	+30.0	31		586	
Sept. 7.....	9 50	+44.5	149.1	+20.0	595			Harvard.
		+63.0	167.6	+34.5		294		
		+69.5	174.1	+23.0		161	1,050	
Sept. 8.....	9 25	+28.0	119.4	+20.0	2			Mount Wilson.
		+39.0	130.4	-18.0		133		
		+53.0	144.4	+20.0	251			
		+71.0	162.4	+24.0		27	413	
Sept. 9.....	11 6	-83.0	354.3	+30.5	31			U. S. Naval.
		+54.0	131.3	-18.0		401		
		+69.5	146.8	+20.0	185		617	
Sept. 10.....	11 30	-70.0	353.8	+31.0	77			Do.
		+67.0	130.8	-19.0		278		
		+82.0	145.8	+19.0	154		509	
Sept. 11.....	11 50	-58.0	352.5	+31.0	46			Do.
		+80.0	130.5	-19.0		31	77	
Sept. 12.....	9 54	-43.0	355.6	+31.5		40	40	Harvard.
Sept. 13.....	11 42	-58.0	326.1	+26.0		46		U. S. Naval.
		-31.5	352.6	+31.0		23		
		+5.0	29.1	+28.0		31	100	
Sept. 15.....	12 45	-54.0	303.1	-24.0		35		Mount Wilson.
		-30.0	327.1	+28.0		90		
		-1.0	356.1	+27.0	2		127	
Sept. 16.....	13 21	-40.0	303.6	-25.0		185		U. S. Naval.
		-17.0	326.6	+28.0		123	308	
Sept. 17.....	11 1	-80.0	251.7	+25.0	62			Do.
		-30.0	301.7	-25.5		185		
		-6.0	325.7	+27.0		62	309	
Sept. 18.....	11 11	-68.0	250.4	+25.0	123			Do.
		-17.0	301.4	-26.0		31	154	
Sept. 19.....	11 43	-55.0	249.9	+25.0	123			Do.
		-6.0	298.9	-26.0		31		
		0.0	304.9	-25.0		31	185	
Sept. 20.....	10 57	-51.0	241.1	+27.0		31		Do.
		-41.0	251.1	+25.0	154		185	
Sept. 21.....	11 14	-35.0	243.8	+24.5	15			Do.
		-29.0	249.8	+25.0	123		138	
Sept. 22.....	9 36	-12.0	254.6	+25.0	169			Harvard.
		+14.0	280.6	+19.5		108		
Sept. 23.....	11 6	+73.0	339.6	-20.0	192		469	U. S. Naval.
		-3.0	249.4	+24.5	93			
		+13.0	265.4	+23.0		62		
		+23.5	275.9	+19.0		278		
Sept. 24.....	11 5	+48.0	300.4	+27.5		46	479	Do.
		-16.0	178.3	-26.0		62		
		+10.0	249.3	+24.5	123			
		+26.0	265.3	+22.0		93		
		+38.0	277.3	+18.0		432		
		+16.0	300.3	+27.0		62	772	
Sept. 25.....	11 22	-47.5	178.4	-26.0		185		Do.
		+23.0	248.9	+24.0		309		
		+40.0	265.9	+22.0		185		
		+50.0	275.9	+18.5		93		
		+55.5	281.4	+17.0	185			
Sept. 26.....	11 12	+80.0	305.9	+25.0	62		1,019	Do.
		-83.0	129.8	-19.5	77			
		-73.0	139.8	+21.5		93		
		-68.5	144.3	+22.0		15		
		-69.0	153.8	-23.5		93		
		-33.0	179.8	-26.0		247		
		+37.0	249.8	+25.0		185		

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Date	Eastern Standard time	Heliographic			Area		Total area for each day	Observatory
		Diff. in longitude	Longitude	Latitude	Spot	Group		
1935—Con.								
Sept. 27.....	11 52	+53.5	266.3	+22.0		123		U. S. Naval.
		+60.0	272.8	+19.0		62		
		+68.0	280.8	+17.5	247		1,142	
		-68.0	131.2	-20.0	131			
		-58.0	140.2	+21.0		93		
		-47.5	151.7	-25.0		31		
		-41.5	157.7	-23.0	46			
		-22.5	176.7	-27.5		123		
		-17.0	182.2	-25.0	31			
		+50.0	249.2	+24.0		185		
		+66.0	265.2	+22.0		340		
Sept. 28.....	14 30	+81.0	280.2	+17.5	123		1,103	Mount Wilson.
		-80.0	104.6	-18.0		9		
		-59.0	125.6	+23.0	6			
		-51.0	133.6	-19.0	161			
		-44.0	140.6	+22.5		90		
		-29.0	155.6	-23.0		28		
		-28.0	156.6	+29.0		8		
		-4.0	180.6	-25.0		109		
		+68.0	252.6	+24.0		13		
		+82.0	266.6	+22.0		414	838	
Sept. 29.....	10 58	-40.0	133.3	-19.0	62			U. S. Naval.
		-34.0	139.3	+22.0	185			
Sept. 30.....	11 2	+2.0	175.3	-27.0		62	309	Do.
		-51.0	109.1	-19.5		62		
		-27.0	133.1	-19.5	154			
		-21.0	139.1	+22.0	46			
		+16.0	176.1	-27.0		31	293	
Mean daily area for 29 days.....								454

PROVISIONAL SUN-SPOT RELATIVE NUMBERS FOR SEPTEMBER 1935

[Dependent alone on observations at Zurich and its station at Arosa]

[Data furnished through the courtesy of Prof. W. Brunner, Eidgen Sternwarte, Zurich Switzerland]

September 1935	Relative numbers	September 1935	Relative numbers	September 1935	Relative numbers
1	30	11	23	21	18
2	36	12	Ec 23	22	Mc 21
3	37	13	33	23	a
4	a 47	14	Ec 29	24	Mc 56
5	48	15	26	25	Ec 59
6	47	16	33	26	d 69
7	48	17	d 34	27	d 80
8	Wc 47	18	a 33	28	71
9	d 53	19	31	29	78
10	32	20	20	30	61

Mean, 29 days = 42.2.

a = Passage of an average-sized group through the central meridian.
b = Passage of a large group or spot through the central meridian.
c = New formation of a center of activity; E, on the eastern part of the sun's disk; W, on the western part; M, in the central circle zone.
d = Entrance of a large or average-sized center of activity on the east limb.