LATE DATA AND CORRECTIONS TO TABLE 2

	Fairbanks		Cambridge*	
	Gram-calories	Departures	Gram-calories	Departures
Jan. 1	9	+8	139	+7
Jan. 8	17	+11	165	+18
Jan. 15	27	+16	119	−21
Jan. 22	38	+27	153	+1
Accumulated departures on January 28	+303		+42	

* The figures for Cambridge are 94.6% of the original figures.

POSITIONS, AREAS, AND COUNTS OF SUN SPOTS

[Communicated by Capt. J. F. Hellweg, U. S. Navy (Ret.), Superintendent, U. S. Naval Observatory.] All measurements and spot counts were made at the Naval Observatory from plates taken at the observatories indicated. Difference in longitude is measured from the central meridian, positive toward the west. Latitude is positive toward the north. Areas are corrected for foreshortening and expressed in millionths of Sun's hemisphere. For each day, under longitude, latitude, area of spot or group, and spot count, are included assumed longitude of center of the disk, assumed latitude of center of the disk, total area of spots and groups, and total spot count.

Date	Eastern standard time		Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Area of spot or group	Spot count	Plate quality	Observatory
1941	h	m		°	°	°	°				
Feb. 1	11	7	8018	−39	293	−12	39	97	11	VG	U. S. Naval.
			8019	−31	301	+9	35	48	2		
			8018	−27	305	−12	27	218	5		
			8016	+2	334	−1	6	145	1		
			8015	+8	340	−10	9	6	3		
			8014	+21	353	+12	28	436	24		
			8020	+28	0	−10	28	24	3		
			8017	+76	48	−1	77	48	4		
					(332)	(−6)		1022	53		
Feb. 2	10	55	8021	−75	244	−15	75	12	2	G	Mt. Wilson.
			8018	−26	293	−12	27	97	11		
			8019	−19	300	+9	24	36	1		
			8018	−16	303	−11	16	218	6		
			8016	+8	327	−3	10	24	3		
			8016	+15	334	−1	16	121	1		
			8014	+34	353	+12	40	436	18		
			8020	+41	0	−11	41	48	6		
					(319)	(−6)		992	48		
Feb. 3	12	3	8022	−80	225	−9	80	194	1	VG	U. S. Naval.
			8021	−62	243	−15	63	12	1		
			8018	−12	293	−12	13	97	10		
			8019	−4	301	+10	16	36	2		
			8018	−1	304	−11	5	218	5		
			8016	+29	334	−1	30	97	1		
			8014	+49	354	+12	53	242	15		
			8020	+53	358	−12	53	24	3		
					(305)	(−6)		920	38		
Feb. 4	11	23	8022	−68	224	−9	68	121	1	F	Do.
			8025	−29	263	−10	29	24	3		
			8018	−1	291	−11	5	48	3		
			8019	+8	300	+10	18	24	2		
			8018	+12	304	−10	13	242	13		
			8024	+16	308	−4	16	6	1		
			8023	+23	315	+5	26	24	1		
			8016	+42	334	−1	43	73	1		
			8014	+64	356	+12	69	194	6		
			8020	+65	357	−12	65	48	2		
					(292)	(−6)		804	33		
Feb. 5	11	33	8026	−79	200	+14	80	145	4	G	Do.
			8022	−54	225	−10	54	73	3		
			8025	−14	265	−8	14	73	14		
			8018	+12	291	−11	13	48	3		
			8019	+20	299	+10	26	12	4		
			8018	+26	305	−11	27	145	11		
			8023	+38	317	+4	40	48	13		
			8016	+56	335	−1	57	24	2		
			8014	+78	357	+12	80	145	4		
			8020	+78	357	−12	78	12	1		
					(279)	(−6)		725	59		
Feb. 6	11	39	8026	−65	201	+14	70	121	2	F	Do.
			8026	−60	206	+14	65	121	4		
			8022	−40	226	−9	40	73	1		
			8025	0	266	−8	2	48	5		
			8018	+26	292	−10	26	48	1		
			8018	+40	306	−10	40	145	6		
			8023	+53	319	+4	56	24	4		
					(266)	(−6)		580	23		

POSITIONS, AREAS, AND COUNTS OF SUN SPOTS—Con.

Date	Eastern standard time		Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Area of spot or group	Spot count	Plate quality	Observatory
1940	h	m		°	°	°	°	°			
Feb. 7	11	2	8026	−51	202	+15	56	73	3	G	Mt. Wilson.
			8026	−43	210	+15	49	12	2		
			8022	−27	226	−9	27	24	4		
			8025	+13	266	−9	13	48	4		
			8018	+40	293	−10	40	24	1		
			8018	+55	308	−10	55	145	8		
			8023	+67	320	+4	69	24	5		
					(253)	(−7)		350	27		
Feb. 8	11	22	8026	−37	202	+16	44	48	4	VG	U. S. Naval.
			8026	−27	212	+15	35	24	1		
			8022	−13	226	−9	13	24	1		
			8025	+28	267	−9	28	36	2		
			8018	+53	292	−11	53	6	1		
			8018	+68	307	−11	68	24	1		
					(239)	(−7)		162	10		
Feb. 9	10	55	8028	−82	145	−10	82	145	1	G	Mt. Wilson.
			8027	−44	183	+9	48	48	7		
			8026	−23	204	+15	32	48	5		
			8026	−14	213	+14	26	12	1		
			8022	−3	224	−7	3	12	3		
			8025	+41	268	−10	41	24	1		
					(227)	(−7)		289	18		
Feb. 10	10	50	8028	−68	145	−10	68	145	1	F	U. S. Naval.
			8027	−32	181	+10	36	48	2		
			8026	−12	201	+15	26	36	3		
			8026	−3	210	+15	23	12	1		
			8022	+11	224	−6	11	12	3		
			8025	+55	268	−9	55	6	1		
					(213)	(−7)		259	11		
Feb. 11	11	25	8028	−55	145	−10	55	97	3	F	Do.
			8027	−17	183	+9	24	24	3		
			8026	+12	212	+13	23	73	6		
					(200)	(−7)		194	12		
Feb. 12	10	52	8028	−42	145	−11	42	73	2	F	Do.
			8026	+27	214	+13	34	97	3		
					(187)	(−7)		170	5		
Feb. 13	11	30	8030	−58	116	+4	60	48	6	G	Mt. Wilson.
			8028	−28	146	−12	28	97	1		
			8029	0	174	+12	19	24	2		
			8026	+40	214	+13	45	121	10		
					(174)	(−7)		290	19		
Feb. 15	12	28	8031	−80	67	−3	80	48	1	F	U. S. Naval.
			8030	−25	122	+5	29	48	3		
			8028	−1	146	−12	5	97	1		
			8026	+71	218	+13	74	97	1		
					(147)	(−7)		290	6		
Feb. 16	12	2	8031	−68	66	−3	68	145	4	F	Do.
			8028	+12	146	−12	13	97	1		
					(134)	(−7)		242	5		
Feb. 17	12	3	8031	−55	66	−3	55	145	4	G	Do.
			8028	+25	146	−12	25	97	2		
					(121)	(−7)		242	6		
Feb. 18	12	21	8031	−47	60	−5	47	48	3	F	Do.
			8031	−40	67	−1	41	24	1		
			8028	+39	146	−12	39	121	2		
					(107)	(−7)		193	6		
Feb. 19	11	49	8031	−33	61	−5	33	36	3	G	Do.
			8031	−27	67	−2	28	12	1		
			(*)	+35	129	−13	35	97	11		
			8028	+52	146	−12	52	73	1		
					(94)	(−7)		218	16		
Feb. 20	12	1	8031	−13	68	−2	15	48	4	F	Do.
			(*)	+49	130	−13	49	145	6		
			8028	+65	146	−13	65	48	1		
					(81)	(−7)		241	11		
Feb. 21	11	3	8032	−77	351	+15	79	73	4	F	Do.
			(*)	+60	128	−15	60	48	3		
			(*)	+68	136	−13	68	121	1		
					(68)	(−7)		242	8		
Feb. 23	11	5	8032	−49	353	+17	54	291	5	F	Do.
					(42)	(−7)		291	5		

POSITIONS, AREAS, AND COUNTS OF SUN SPOTS—Con.

Date	Eastern standard time		Mount Wilson group No.	Heliographic: Difference in longitude	Heliographic: Longitude	Heliographic: Latitude	Heliographic: Distance from center of disk	Area of spot or group	Spot count	Plate quality	Observatory
1940	h	m		°	°	°	°	°			
Feb. 24	12	1	8034	−70	318	+11	73	145	1	F	U. S. Naval
			8037	−57	331	+7	60	48	5		
			8032	−35	353	+17	43	339	5		
					(28)	(−7)		532	11		
Feb. 25	11	55	8034	−57	318	+11	60	242	2	VG	Do.
			8037	−43	332	+7	46	133	13		
			8032	−22	353	+17	33	436	16		
			(*)	−16	359	−9	16	12	2		
			(*)	−15	0	+15	27	24	4		
					(15)	(−7)		847	37		
Feb. 26	12	1	8034	−43	319	+11	47	291	2	G	Do.
			8037	−30	332	+8	34	145	5		
			8036	−20	342	+7	25	24	3		
			8032	−9	353	+17	26	485	9		
			8038	+40	42	−18	41	6	1		
					(2)	(−7)		951	20		
Feb. 27	14	24	8039	−78	270	+12	79	73	2	G	Mt. Wilson.
			8034	−29	319	+11	35	242	1		
			8037	−15	333	+ 8	22	97	19		
			8036	− 8	340	+ 7	17	12	7		
			8032	+ 7	355	+17	26	679	19		
			8038	+53	41	−17	53	12	2		
					(348)	(−7)		1,115	50		

Mean daily area for 25 days_____=486

*=Not numbered.
VG=very good; G=good; F=fair; P=poor.

PROVISIONAL RELATIVE SUNSPOT NUMBERS FOR JANUARY 1941

Based on observations at Zurich and Locarno. Data furnished through the courtesy of Prof. W. Brunner, Eidgen. Sternwarte, Zurich

January 1941	Relative numbers	January 1941	Relative numbers	January 1941	Relative numbers
1	*a 42	11	* 59	21	a 34
2		12	a 28	22	*Mac 40
3		13	a 25	23	43
4	*Maac 50	14	24	24	d 40
5	73	15	8?	25	44
6	74	16	d —	26	59
7	Ecd —	17	22	27	* 62
8		18	Ec 29	28	Ecd —
9	Wc 58	19	* 12?	29	*Wc 96
10	32	20	32	30	
				31	b 71

Mean, 24 days=44.0

*=Observed at Locarno.
a=Passage of an average-sized group through the central meridian.
b=Passage of a large group through the central meridian.
c=New formation of a group developing into a middle-sized or large 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.