

TABLE OF SUNSPOT GROUPS

JANUARY 1972

Group No.	Heliographic		N. Hemisphere																													
	Lat- Tude	Long- Tude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
N2874	→		-- C5 J5 J3																													
N2875	13°	355°	* A2																													
N2876	7-10	317-321	* C10 C5 C4 A1																													
N2877	12-13	315-321	* B4 D6 B5																													
N2878	21-22	316-317	* A3																													
N2879	14-17	102-109	D5 D7 C4 B3 - D16 D7																													
N2880	19-21	119-126	* A2 C8																													
N2881	15°	19°																														
N2882	13-14	328-329	A1 A1																													
N2883	12-14	313-317	J3 J4 J3 J2 J3 →																													
N2884	5-6	305-308	A2 C4 B4 C3 *																													
N2885	10-11	11-13	A1 B2 B3 * B2																													

13.5

Fr-b.1

Group No	Heliographic		S. Hemisphere																																	
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
S2145	⇒		-	J3	J3	J2	-	J2	J2	J2	J2																									
S2146	⇒		-	C5	J4	J3																														
S2147	⇒		-	A2																																
S2149	22°	298°	A1				*																													
S2150	11-12	286-289	A2	B4	C5	-	A1	*																												
S2151	8-9	322-323	A2																																	
S2152	22°	249-250	A2	J3	-	J3	J3	J5	J3																											
S2153	8-10	192-200																																		
S2154	11-12	219-222																																		
S2155	10-12	109-115																																		
S2156	12-19	91-102																																		
S2157	13-15	110-114																																		
S2158	7°	177°																																		
S2159	10-11	47-49																																		
S2160	5-8	42-47																																		
S2161	13-16	40-46																																		
S2162	13-17	338-348																																		
S2163	9-12	52-57																																		
S2164	5°	354																																		
S2165	14-18	340-344																																		

(*) Dec. 31
(*) Dec. 27

12-1

- - Central Meridian-passage
- * - prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

Observer.
K. Fujimori

TABLE OF SUNSPOT GROUPS
FEBRUARY 1972

Group No.	Heliographic		N. Hemisphere																											Remarks				
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		28	29		
N2882	⇒																																	
N2886	9-12	304-313																																
N2887	8	268																																
N2888	1-2	273-277																																
N2889	8	130																																
N2890	15-22	122-127																																
N2891	24	92-97																																
N2892	5-10	18-30																																
N2893	9-15	11-23																																
N2894	17-18	110-112																																
N2895	7	86-89																																
N2896	11	4																																
N2897	4	319																																
N2898	9-11	292-300																																
N2899	20	264																																

11.3

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A2 (x) Met. 2

Heliographic		S. Hemisphere																												Remarks		
Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		28	29
S2165	⇒		-	c6																												
S2166	16-11	306-309		D8	-	-	c4																									
S2167	7-10	192-199					B3	-	-	B4	*																					
S2168	16-20	250-255					*			D12	C13																					
S2169	4-5	224-227								C4	B2																					
S2170	5	129																														
S2171	7-10	140-147								J2	A1	*																				
S2172	14-17	95-104								A1	-	-																				
S2173	8-10	58-62																														
S2174	12-13	107-111																														
S2175	18-22	74-93																														
S2176	5-7	59-62																														
S2177	10-16	38-50																														
S2178	10-12	99-100																														
S2179	14-22	329-351																														
S2180	8-10	288-291																														
S2181	7-10	255-261																														
S2182	3	253																														
S2183	5-10	222-228																														

- - Central Meridian-passage
- * - prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

Observer. K. Fujimori

10.8

TABLE OF SUNSPOT GROUPS
MARCH 1972

GROUP NO.	Heliographic		N. Hemisphere																																						
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
N2898	→		D17	D16	D8	J6	A3																																		
N2900	11-13°	201-208°	J3	C5	C4	C5	J3	B3																																	
N2901	6°	276°	*			A2																																			
N2902	15-18°	117-129°							J2	-	J2	J2	C5	C5	-	J4	J3	J2	-	J2	J2																				
N2903	13-17°	100-115°										E16	E22	E21	E33	-	E35	E33	G24	-	J2	J2																			
N2904	5-11°	84-98°											C4	-	C10	D22	D24	-	G18	G5																					
N2905	7-12°	28-33°																			J2	J2	C4	-	C16	C12	-	-	C18	-	-	C5									
N2906	25-28°	132-135°													*	B2																									
N2907	14°	46°															A1	-	-	A1	*																				
N2908	7-10°	326-338°																					C9	-	-	D24	-	-	E31	-	C12	C7									
N2909	15°	38°																					*											A2							
N2910	10-12°	355-5°																							*										C13	-	A1				

13.0

(-)
Feb. 27

Heliographic		S. Hemisphere																																	
Group No.	Lat. - Lude	Longtude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
S2179	⇒		J9	J4																															
S2180	⇒		A2	A2																															
S2181	⇒		B9	B12	B7	B2	A2																												
S2183	⇒		C6	D9	D13	C10	C5	J4	J3	-	J2	A1																							
S2184	4-12	181-201	H2	F12	F24	F23	F45	F43	F71	-	F50	G21	G29	G17	-	J2																			
S2185	9-10	231-232				B2																													
S2186	3'	250			*		A1																												
S2187	17-20	144-147						J2	J2	J2	-	J4	J5	C5	C8	-	J2	J2	J2																
S2188	18'	92'								J2	J2	J3	J3	-	J3	J2	J2	-	A2	A1															
S2189	5'-6'	53'-58'																																	
S2190	5'	99-102																																	
S2191	7-10	59-65																																	
S2192	17-20	12-20																																	
S2193	7-8	49-54																																	
S2194	20	345'																																	
S2195	13'	3'																																	
S2196	10-11	308-315																																	
S2197	5-6	301-302																																	
S2198	17-20	341-343																																	
S2199	7-8	186-198																																	
S2200	25'	250'																																	
S2201	6'	216'																																	
S2202	8-12	200-205																																	

11.2

(C) ⇒
Feb. 25
(C)
Feb. 29

(C) ⇒
Feb. 25

(C) ⇒
6.7 APR. 4
* J2 ⇒
(C) ⇒
A1 APR. 2
(C) ⇒
C.9 APR. 3

TABLE OF SUNSPOT GROUPS
APRIL 1972

Heliographic			N. Hemisphere																												Remarks								
Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30						
N2911	1-2	208-216			D6	B6	C7	B5																															
N2912	9	141								*	J2																												
N2913	10-11	92-98											*	A3	A3																								
N2914	8-9	27-28												J2	J2	-	J2	J2	J3	J3	-	J2																	
N2915	7	318																																					
N2916	12-16	337-344																																					
N2917	16-17	248-253																																					
N2918	7-11	298-304																																					
N2919	4-5	232-238																																					

9-1

Heliographic		S. Hemisphere																												Remarks					
Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		28	29	30		
S2199	⇒		98	912	96	c9	c9																												
S2200	⇒		A1																																
S2201	⇒		•• A1 A1																																
S2202	⇒		B8 B6 B3 B2 B5																																
S2203	13°	270°	A1																																
S2204	7°-8°	128°-129°		A1	J2	-	-	-	-	C3	-	-	A1																						
S2205	13°-15°	86°-96°									D16	-	-	C13	J3	-	A1																		
S2206	16°-17°	85°-86°									C3	*																							
S2207	5°-9°	81°-89°									D27	-	-	D34	C24	-	B6																		
S2208	9°-14°	50°-59°									C14	-	-	C23	C13	-	B11	B5	B3																
S2209	5°-7°	5°-10°																																	
S2210	7°-12°	330°-334°																																	
S2211	7°-12°	318°-330°																																	
S2212	13°	351°																																	
S2213	15°	21°																																	
S2214	6°	250°-254°																																	
S2215	2°-3°	320°-325°																																	
S2216	13°-15°	270°-279°																																	
S2217	10°-12°	109°-113°																																	

- - Central Meridian-passage
- * - prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

Observer. K. Fujimori

10.2

TABLE OF SUNSPOT GROUPS

MAY 1972

Group No.	Heliographic		N. Hemisphere																															
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N2917	⇒		J2	J2																													(*)	
N2920	8'	107'	A1	-	A1																													Apr. 26
N2921	15'-20'	87-97'																																
N2922	9'	103'																																
N2923	5'-7'	88-93'																																
N2924	5'-7'	32-33'																																
11.5 N2925	13'-14'	79-83'																																
N2926	12'-13'	2'-8'																																
N2927	10'	323'																																
N2928	7'	308-310'																																
N2929	12'-16'	295-300'																																
N2930	13'	346'																																
N2931	11'-16'	158-169'																																
N2932	17'-18'	152-132'																																
N2933	14'	74-97'																																

(*)
Apr. 26
June 2
June 4

Heliographic		S. Hemisphere																															
Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
S 2218	5-7	126-129	B2	B3	A1																												
S 2219	19	226	J2																														
S 2220	12-18	90-98	C7 - D21 D38 D38 - - D34 D19 C12																														
S 2221	2	110	A1																														
S 2222	5-9	5-16	D8 D14 D23 - - - D31 D37 D19																														
S 2223	2-5	325-337	D11 - - - E45 E38 E36 - - C15 J5 J7																														
S 2224	9	322	J2 J2 A2																														
S 2225	9-16	291-303	D22 E25 E32 - - E39 E40 G23 G15 G12 E17																														
10.4 S 2226	10-12	343-344	* A4																														
S 2227	19-20	280-286	* A2 A1 B4 C4 C3																														
S 2228	7	303	* A1																														
S 2229	2	148	A1																														
S 2230	6-8	190-193	* B6																														
S 2231	14	155-157	B2																														
S 2232	11-12	97-99	J2																														
S 2233	13-17	87-92	D5																														

- - Central Meridian-passage
- * - prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

Observer - K. Fujimori

TABLE OF SUNSPOT GROUPS
JUNE 1972

Group No.	Heliographic		N. Hemisphere																														Remarks		
	Lat- tude	Longi- tude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
N2931	⇒		c49	-	-	-	H3																												(1) May 30, 31
N2932	⇒		A1 *																																
N2933	⇒		J3	-	-	-	B2																												N2921 同群
N2934	8-9	97-101				*	J5 B5																												
N2935	7-8	57-63					D9 C13 *																												
N2936	5-6	45-48					C4 J6	*																											
N2937	20	46-49																																	
N2938	5	42																																	
N2939	10-12	303-307																																	
N2940	7-11	234-243																																	
N2941	0-1	315-316																																	
N2942	10	283-286																																	
N2943	7-10	167-175																																	42921 同群
N2944	5-6	165-169																																	B4 C12 C19 H17 - C19 - - - C6 ⇒
N2945	5-6	160-161																																	J3 J5 J4 J4 - J3 - - - J2 ⇒
N2946	14-16	247-248																																	J2 J3 J3 J5 - A3 *
N2947	11	262																																	* B2
N2948	4-12	102-110																																	* A1
N2949	2-7	95-101																																	J3 - - - D30 July 1
N2950	11-14	40-51																																	D8 July 2, 3, 4 July 5

8.3

Heliographic		S. Hemisphere																				Remarks													
Group No.	Lat-tude	Longi-tude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		20	21	22	23	24	25	26	27	28	29	30		
S 2232	⇒		J3	-	-	-	J4	J2	-	-	J2	J2	A1																					S 2220 同47	
S 2233	⇒		D6	-	-	-	C14	C22	-	-	C12	J2	J2																					S 2220 同47	
S 2234	15°	126-122	B2		*																														
S 2235	5-10	73-84	A1	-	-	-	D38	D59	-	-	D47	D33	H24																					同48	
S 2236	3-7	124-129		*			C19	C13																											
S 2237	6-10	88-91					B5																												
S 2238	12°	93°					A1	*																											
S 2239	8-15	295-310												A2	E14	-	E39	E51	E38	E50	-	-	G16	G10	G9	C5	J2						S 2225 同47		
S 2240	11°	352°																																	
S 2241	12-14	338-342												*	A1																				
S 2242	10°	328°												*	A1	J4	C7	-	-	A1															
S 2243	4°	266-270																																	
S 2244	17°	292-293															B2	A2	-	-	A3	D4	J2												
S 2245	23-24	246-247															A2	*																	
S 2246	5-11	222-239															J2	-	-	A1	A1														
S 2247	10-12	210-222															C4	-	-	E42	E43	E36	C26	C14	H14	-	H3						同48		
S 2248	7°	128-129																																	
S 2249	10-13	81-87																																	* A2 (-) ⇒ J2 July 3

- Cental Meridian-passage
- * - Prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

Observer,
K. Fujimori

TABLE OF SUNSPOT GROUPS
JULY 1972

Group No.	Heliographic		N. Hemisphere																																		
	Lat. - Tude	Longi. - Tude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		30	31			
N2943	⇒		c 3																																	(*) Jun. 26	
N2944	⇒		A 1																																(*) Jun. 26		
N2948	⇒		D 41 D 43 D 25																																		
N2949	⇒		c 5 B 3																																		
N2950	⇒		c 7 c 12 c 14 -			.		-	-	-	A 2																										
N2951	7-13	12-20	J 2 c 4 -			-	-	-	-	c 28		-	-	-	-	J 2																					
N2952	14'	151'	A 1																																(*) Jun. 28		
N2953	0-1	106-109	* B 5																																		
N2954	15-18	302-310								D 5					*																						
N2955	11-14	4-6								*					H 11																						
N2956	9-16	204-205													J 2 - - -	J 4 J 3 J 5	J 5 A 3																			(*) Jun. 30	
N2957	21'	296'												*	A 1																						
N2959	13-15	229-239													B 8 D 9	D 12 C 10 C 9																					
N2959	9'	192'													A 1	*																					
N2960	4-5	109-131													A 1 J 2 J 2 -	J 3 J 3 -	J 3 J 2 -	J 2																		→	
N2961	6-16	135-141																																			
N2962	5-18	127-141																																			
N2963	7-8	101-106																																			
N2964	9-19	2-18																																			(*) Jun. 27 N2955(2) H 14 Aug. 4, 5

12-6

Heliographic

S. Hemisphere

Group No.	Lat - Eude	Long - Eude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
S2249	⇒		J2	J2	C7	-	-	-	-	-	J2																								
S2250	2-3	86-88	A4	A5																															
S2251	2-3	15-26								* C9																									
S2252	7-12	352-0								C21	-	-	-	-	-	B7																			
S2253	10-11	295-276								J2	-	-	-	-	-	J3																			
S2254	12	347								*						A1																			
S2255	7-8	322-326													*	C8																			
S2256	7-10	237-242														C4	-	-	-	J5	C8	J5	J5	C9	C5										S-2246
S2257	8-12	223-233														H4	-	-	-	C26	C21	C17	C18	C13	B3									S2247	
S2258	21	260																																	
S2259	11-12	207-211																																	
S2260	12	275																																	
S2261	5-6	238-239																																	
S2262	19-20	206-207																																	
S2263	1-4	102-107																																	
S2264	9	194																																	
S2265	9	167																																	
S2266	12-17	81-90																																	
S2267	7-8	150																																	S2250 S2253 S2247
S2268	14-15	69-74																																	
S2269	15-20	55-67																																	
S2270	5-7	86-87																																	
S2271	2-4	22-30																																	* A2 (1) ⇒ C7 Aug. 3

9.5

TABLE OF SUNSPOT GROUPS
AUGUST 1972

Group No.	Heliographic		N. Hemisphere																																
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
N2960	⇒		J2																																
N2963	⇒		A2																																
N2964	⇒		H17 - H35 - H63 H60 - H28 H29																																
N2965	8-10	353-357						*		B2 B2																									
N2966	15-18	339-344																																	
N2967	15-17	237-244																																	
N2968	13-15	212-215																																	
N2969	17-18	249-253																																	
N2970	6	155																																	
N2971	8-11	107-117																																	
N2972	17-19	72-80																																	
N2973	13-15	7-14																																	
N2974	13-18	336-353																																	
N2975	13-18	326-331																																	
N2976	9-13	16-22																																	
N2977	5	20																																	

135

(C)
July 27
(G)
July 29
M733
W2455E

(C) ⇒ 2955
Sept. 1 2964) LE

(C) ⇒
Sept. 2, 3,
2966 D

(C) ⇒
Sept. 4

~~Sept. 4~~

A1/A2

Heliographic

S. Hemisphere

Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
S2266	⇒		D24 - D12 - J3																															
S2268	⇒		A4																															(1) Jul. 20
S2269	⇒		C20 - C10 - B3 A1																															(1) Jul. 31
S2271	⇒		B7 - C14 - C20 C12 - J2																															
S2272	6-9	17-26	* B6 B4 - C9 D18																															
S2273	5-7	353-358	B3 B3																															
S2274	15-17	303-307	*																															
S2275	8-10	240-245	B3 B2																															
S2276	24-27	154-170	J5 B5 B5 B3																															
S2277	13	246	J2 J2 C7 C5 C6 J5 - - - J5 J3																															
S2278	10-12	178-184	* A2																															
S2279	3-5	107-114	C10 C10 C11 - - - C9 A1																															
S2280	13-17	76-81	C13 C13 - - - A1																															
S2281	18-19	57-63	C10 C11 - - - J4 J4 C4																															(1) 回帰 ⇒
S2282	14-15	74-95	J5 J3 - - - C11 J4 A3																															S2289 回
S2283	5-7	35-38	B3 *																															
S2284	5-8	82-90	J3 - - - C9 C7 J4																															⇒
S2285	11-12	37-43	*																															D12 D18 D13 ⇒
S2286	2-6	15-19	C4 B3																															
S2287	2.5	334-336	C5 C8 A2																															⇒
			C5 B2																															(1) ⇒ Sept. 3

11.7

- - Central Meridian-passage
- * - Prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

(1) 回帰 S 2205, S2220, S2233 S2249, S2266

Observer

K. Fujimori

TABLE OF SUNSPOT GROUPS
SEPTEMBER 1972

Heliographic			N. Hemisphere																												Remarks							
Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		29	30					
N2973	⇒		D13	C10	A2																																	
N2974	⇒⇒		C35	C27	C21	C15	G6	G4	G4	J2																												
N2975	⇒⇒		J5	J3	B14	B8	B6	B9	B7	J3																												
N2976	⇒⇒		B8	A8	A2	A1																																
N2978	10°	5°	*	A1																																	(c) Aug. 31	
N2979	4°	7°	*		A1																																	
N2980	5°-6°	306-307					A1	A2	B2																													
N2981	17°	259-262								B3	B6	*																										
N2982	18°-20°	236-241											C10	--	--	C10	C5	J2																				
N2983	10°	301°							*				A1																									
N2984	6°-8°	152-156																									B5	--	--	B6	B4	B5						
N2985	11°	135°																																				
N2986	12°-14°	172-173																																				
N2987	8°-9°	5°-8°																																				
N2988	16°	78-82																																				
N2989	10°-12°	306-315																																				(c) →
N2990	16°-19°	70-294																																				B8 Oct. 2
																																						(c) →
																																						B4 Oct. 5

11.6

Heliographic S. Hemisphere

Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Remarks		
S2280	⇒				J5																												(.)		
S2283	⇒				J2 J2 A2																												Aug. 27		
S2284	⇒				B6																												Aug. 30		
S2286	⇒				B4 A1 B4 A1 A1																												Aug. 26		
S2287	⇒				A1 .. A1 A1																												Aug. 31		
S2288	14°	35°			A2																												(*)		
S2289	7-9°	317-325°			J3 D12 D13 C10 C8 B8 D14 D9																												Aug. 30		
S2290	4-8°	22-33°			D14 D12 G9 E8 A2																												(*)		
S2291	3°	2°			* A1																												Aug. 31		
S2292	14-15°	341-349°			* C9 B5																														
S2293	24°	329°			* A1																														
S2294	4-5°	301-305°			B3 A1 C7																														
S2295	5-6°	254-261°			A2 #																														
S2296	19°	240°			A1 .. - - A1																														
S2297	10-13°	182-190°																																	
S2298	8-9°	160-166°																																	S 2298 (2)
S2299	14-15°	77-81°																																	
S2300	9-11°	114-117°																																	(1) (2)
S2301	2-7°	27-43°																																	
S2302	7-9°	332-340°																																	→
S2303	8°	270-275°																																	→
																																		J.2	

9.6

- - Central Meridian-passage
- * - Prearrange-day of Meridian-passage
- ⇒ - Continued group from Last Month

(1) (2) ----- S2205, S2220, S2233, S2247, S2266, S2280, S2299

K. Fujimori

TABLE OF SUNSPOT GROUPS
OCTOBER 1972

Group No.	Heliographic		N. Hemisphere																															
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
N2987	⇒		D11	D10	D19	-	J2	-	A2																									
N2970	⇒		D4	D5	D6	-	J2	-	J2	-	J3	J2																						
N2991	16°	257°	A1					*																										
N2992	19°	243°	J1	J2	-	J2			*																									
N2993	18°	282-284					B3																											
N2994	10°	139°																																
N2995	11°	257°							*																									
N2996	19-20°	200-204																																
N2997	18°	186°																																
N2998	8-9°	308-311																																
N2999	1°	291°																																
N3000	17°	289-291																																
N3001	4-5°	287-289																																
N3002	10-13°	250-256°																																

S2982

B3 B5 *

A2

B2

NOV 1
NOV 2
NOV 3

12.4

Heliographic		S. Hemisphere																																	
Group No.	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
S2301	⇒		B3																																(.) 52290D
S2302	⇒		D17 D11 C9 - B4																																Sept. 26
S2303	⇒		J2 J2 C4 - J2 - A1																																(.) Sept. 30
S2304	20°	245°	A1 J4 - " - A1																																
S2305	5-7°	252-258°	A2 - B7 - B8 - A2 B9 - D6 A1																																
S2306	16°	303°	* A1 - A1																																
S2307	5-7°	63-71°																																	
S2308	12-18°	47-61°																																	
S2309	14-20°	20-29°																																	
S2310	7-12°	348-353°																																	
S2311	5-7°	54-56°																																	
S2312	5°	43-48°																																	
S2313	15-16°	343-350°																																	
S2314	7-15°	309-322°																																	
S2315	12°	335-339°																																	
S2316	8-11°	279-282°																																	
S2317	7°	267-269°																																	

- - Central Meridian-passage
- * - Prearrange-day of Meridian-passage
- ⇒ - Continued group from Last month

K. Fujimori

TABLE OF SUNSPOT GROUPS

Group No.	Heliographic		N. Hemisphere																														Remarks		
	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
N3002	⇒		A2 B9 *																																
N3003	5-7'	179-207							*				D11 D11 C6																						
N3004	8-9'	53-55'																																	
N3005	13'	336'																																	

S. Hemisphere

S2310	⇒		A1																																	
S2314	⇒		H68 H49																																	
S2316	⇒		B5 A2																																	
S2317	⇒		A3 A2																																	
S2318	5'	287'	*							A1 - J2																										
S2319	11-12'	247-250'			*					C5																										
S2320	3'	75-77'																																		
S2321	12-14'	55-60'											A2 J2 J3 J2 - A1 A2 A2																							
S2322	5-7'	346-351'											H2 H3 H4 - H12 J9 C10 J6 J2	J2 J2 - J2																				S2308		
S2323	14-17'	42-49'																																	S2310	
S2324	4-7'	0-12'																																		
S2325	8-9'	322-325'																																		
S2326	2-5'	296-299'																																	S2314	
S2327	15'	9'																																		
S2328	11-12'	259-261'																																		
S2329	12'	317'																																		
S2330	15-16'	280-286'																																		

8.4

9.8

(*)
Oct. 27
(*) 未観測
Oct. 29, 30

S2308

S2310

S2314

A1 B4 - →

