

TABLE OF SUNSPOT GROUPS

JANUARY 2002

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side		C.M.	W-Side	
	Latitude	Longitude								
N7639	8-10	80-84	-	Jan. 2	Jan. 4				A 2 - D 8	
N7640	13-18	319-333	Jan. 9	Jan. 4	Jan. 14	J 3 J 2 D 9 C12 C17	D37	E48 E33 E28 - F14		
N7641	12	26	-	Jan. 7	Jan. 7			A 1		
N7642	10-12	288-296	Jan. 12	Jan. 7	Jan. 14	A 1 J 2 D 5 D 6 C 5	C 3	- C 5		
N7643	9-10	330-333	Jan. 9	Jan. 8	Jan. 10		A 3	A 2 B 6		
N7644	28-29	266-272	Jan. 14	Jan. 8	Jan. 20	J 2 C 3 C 5 C 4 C 5 -	J 2	- - J 2 J 3 J 2 J 2		
N7645	4-13	211-227	Jan. 17	Jan. 11	Jan. 24	J 2 G 8 - G23 - -	G26	E29 E18 E15 - G 7 G 6 A 1		
N7646	2	220-221	-	Jan. 18	Jan. 18			A 2		
N7647	27-28	165-168	Jan. 21	Jan. 19	Jan. 23		A 1 B 2 -	C 3 A 1		
N7648	16-20	146-156	Jan. 23	Jan. 19	Jan. 28	C 6 D14 - D23	D24	C14 C11 - D15 B 6		
N7649	13	152	Jan. 22	Jan. 19	Jan. 23	A 1 A 1 -	..	A 2		
N7650	15-19	188-193	-	Jan. 20	Jan. 20			A 3		
N7651	8	155	-	Jan. 20	Jan. 20	A 1				
N7652	22	197-202	-	Jan. 23	Jan. 25				A 2 C 3 J 2	
N7653	2	143	Jan. 23	Jan. 23	Jan. 23		A 1			
N7654	8- 9	119-123	Jan. 25	Jan. 23	Jan. 25		C 5 C 6	B 2		
N7655	12-13	113-117	Jan. 25	Jan. 23	Jan. 28		J 3 B 3	D 7	- D 5 C 6	
N7656	4-11	40-57	Jan. 30	Jan. 25	Feb. 4	C 3 - D42 E45 -	F56	E50 E43 - - C 9		
N7657	11	154	-	Jan. 27	Jan. 27				A 1	
N7658	9-11	358-2	Feb. 3	Jan. 28	Feb. 8	J 2 - J 3 J 2 J 2 -	-	C 3 - J 2 J 2 A 1		
N7659	13-15	2-8	Feb. 3	Jan. 30	Feb. 8	J 4 B 2 .. -	-	.. - A 1		
S7375	18-19	85-88	-	Jan. 2	Jan. 6				A 2 - D 5 D 4 A 1	
S7376	3- 7	82-90	-	Jan. 2	Jan. 6				B 6 - D 7 D 9 D10	
S7377	14	106	-	Jan. 4	Jan. 4				A 1	
S7378	6-11	41-48	-	Jan. 4	Jan. 4			B 6		
S7379	16-22	35-41	Jan. 4	Jan. 4	Jan. 6		C15	J 2 B 4		
S7380	14-15	322-323	Jan. 9	Jan. 4	Jan. 14	J 2 J 2 J 2 J 2 J 2	J 2	J 3 J 2 J 3 - J 2		
S7381	127-29	3-12	Jan. 6	Jan. 6	Jan. 7		B 3	B 3		
S7382	3- 7	305-321	Jan. 10	Jan. 7	Jan. 14		A 1 C 7 C13	C18	D15 E24 - F24	
S7383	11-18	257-268	Jan. 14	Jan. 8	Jan. 18	J 2 D10 D25 E24 C21 -	C26	- - J 3 A 1		
S7384	9-11	7-11	-	Jan. 9	Jan. 11				C 4 C 7 D 4	
S7385	2- 5	226-231	Jan. 17	Jan. 11	Jan. 22	J 2 J 2 - J 2 - -	C 5	J 2 J 3 J 2 - J 2		
S7386	21	268	-	Jan. 12	Jan. 12	J 2				
S7387	14	293	-	Jan. 14	Jan. 14				A 1	
S7388	28	214	-	Jan. 14	Jan. 14	A 1				
S7389	9-12	192-204	Jan. 19	Jan. 14	Jan. 25	J 3 - - C 6 C10	C 8	C11 - D11 C10 J 6 J 2		
S7390	23-24	218-225	Jan. 17	Jan. 17	Jan. 23		C11	B10 C13 C10 - J 2 J 2		
S7391	4- 9	128-137	Jan. 24	Jan. 18	Jan. 30	H 2 D 7 D 7 - C15 H14	H14	C12 - H 6 H10 - H 3		
S7392	1- 3	193-198	-	Jan. 20	Jan. 24			C 5 - D16 D 7 J 3		
S7393	13-14	144-149	Jan. 23	Jan. 22	Jan. 27		C11	C 5 C 4 C 3 - A 1		
S7394	9	142	-	Jan. 22	Jan. 22		A 1			
S7395	32-33	200-201	-	Jan. 23	Jan. 25				A 3 J 2 A 1	
S7396	3	147	Jan. 23	Jan. 23	Jan. 23		A 2			
S7397	16	106-107	-	Jan. 23	Jan. 24		A 3 A 1			
S7398	1- 2	91-97	Jan. 27	Jan. 23	Jan. 28	B 2 B 7 B 9 -	A 4	A 2		
S7399	20-23	79-84	Jan. 28	Jan. 23	Jan. 30	A 1 C 3 C 4 - C12	C11	- J 5		
S7400	1- 3	123	Jan. 25	Jan. 24	Jan. 25		A 2	A 3		
S7401	2	142	-	Jan. 25	Jan. 25				A 2	
S7402	17	108	-	Jan. 25	Jan. 25		A 1			
S7403	22	108	-	Jan. 25	Jan. 25		A 1			
S7404	22-24	91-92	Jan. 27	Jan. 27	Jan. 27		A 2			
S7405	1- 3	32-36	Feb. 1	Jan. 27	Feb. 6	J 3 C 5 - J 4 C 7	C 5	- - J 3 - J 2		
S7406	10-18	17-29	Feb. 1	Jan. 27	Feb. 8	D10 D14 - E36 E48	E44	- - E57 - E28 C17 A 2		
S7407	23-24	129-132	-	Jan. 28	Jan. 30				D 6 - C 3	
S7408	18	46	-	Jan. 28	Jan. 28		A 1			
S7409	11-13	10-13	Feb. 2	Jan. 30	Feb. 7		A 2	-	C13 - D 9 J 2	
S7410	24-27	318-330	Feb. 5	Jan. 30	Feb. 8	J 2 D 9 D12 - - E33	-	C10 B 7 A 2		
S7411	6	32-34	Feb. 31	Jan. 31	Feb. 1			A 4 A 3		
S7412	18	30	-	Jan. 31	Jan. 31			A 1		
S7413	2-10	318-326	Feb. 6	Jan. 31	Feb. 11	D 4 D 5 - - C 9 -	C 9	C 9 D 5 D 4 J 2 J 2		

INTERNATIONAL SPACE

REPORT

NO.

TABLE OF SUNSPOT GROUPS

FEBRUARY 2002

Group No.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side		C.M.	W-Side	
	Latitude	Longitude								
N7660	15-18	336-341	Feb. 5	Feb. 1	Feb. 9	D 6	- - D12	-	C14 C11 C 6 A 1	
N7661	12	20-25	-	Feb. 4	Feb. 6				B 2 - A 1	
N7662	8-11	298-301	Feb. 8	Feb. 4	Feb. 11	J 4	- C 5 C 8	J 5	C 8 J 4 J 4	
N7663	11-13	282-287	Feb. 9	Feb. 4	Feb. 9	J 4	- C 5 C11 C11	J 5		
N7664	6	275	-	Feb. 6	Feb. 6	A 2				
N7665	15	257-260	-	Feb. 8	Feb. 9		C 4 A 1			
N7666	18-19	220-224	-	Feb. 8	Feb. 11	A 1 C 7 C 6 C 4				
N7667	6	336	-	Feb. 9	Feb. 9				J 2	
N7668	14	299	-	Feb. 9	Feb. 9				A 1	
N7669	21-23	197-206	Feb. 15	Feb. 9	Feb. 21	J 2 J 2 J 2	- - C 4	C 3	J 2 - - J 2 J 2 J 2	
N7670	11-19	197-218	Feb. 15	Feb. 9	Feb. 20	J 3 E11 E19	- - F58	F55	F34 - - D 7 D 8	
N7671	8	205	-	Feb. 14	Feb. 14		A 1			
N7672	23	230	-	Feb. 15	Feb. 15				A 1	
N7673	13	218	-	Feb. 15	Feb. 15				A 2	
N7674	7- 8	196-200	-	Feb. 16	Feb. 16				B 6	
N7675	12	159	-	Feb. 19	Feb. 20				A 1 A 1	
N7676	9-12	57-60	Feb. 26	Feb. 20	Feb. 27	J 2 J 3 C 5 C 8 C 7 C 6	A 3	A 3		
N7677	19	158	-	Feb. 21	Feb. 21					A 1
N6778	3	90	-	Feb. 21	Feb. 22		A 1 A 1			
N7679	4- 5	131-134	-	Feb. 22	Feb. 22				C 4	
N7680	20-23	52-62	Feb. 26	Feb. 24	Mar. 3		D 9 D17	D21	D18 - D26 D11 D 7	
N7681	14-20	8-25	Mar. 1	Feb. 24	Mar. 7	J 2 J 3 D 6 D17	-	E33	E24 G27 G27 - - G11	
N7682	22	356	-	Feb. 26	Feb. 26	A 1				
N7683	26	87-89	-	Feb. 27	Mar. 1				B 2 - A 2	
S7414	19	43	-	Feb. 1	Feb. 1				A 1	
S7415	31	1	-	Feb. 4	Feb. 4				A 2	
S7416	23-25	276-281	Feb. 9	Feb. 4	Feb. 14	D10 - D13 D14 C12	C11	C 6 C 6 - - J 2		
S7417	8	306	-	Feb. 6	Feb. 6		A 1			
S7418	29	256	-	Feb. 6	Feb. 8	J 3 A 3 A 1				
S7419	11-14	266-276	Feb. 10	Feb. 8	Feb. 15		A 1 D15	D30	E37 - - D18 C 9	
S7420	2- 4	250-254	Feb. 11	Feb. 10	Feb. 16		C 8	D 9	- - A 1 A 1 A 1	
S7421	21-22	220-224	Feb. 14	Feb. 11	Feb. 14	D 7 - -	A 2			
S7422	14	198	Feb. 15	Feb. 11	Feb. 15	A 1 - - ..	A 1			
S7423	29	250	-	Feb. 14	Feb. 15				J 2 J 2	
S7424	3- 5	126-137	Feb. 20	Feb. 15	Feb. 21	B 4 B 4 - -	A 1		
S7425	15-22	126-145	Feb. 20	Feb. 15	Feb. 26	B 6 F20 - - F51	F46	G44 E37 E28 E20 D14 C 8		
S7426	4	207	-	Feb. 16	Feb. 16				A 1	
S7427	11	149-155	Feb. 19	Feb. 19	Feb. 20				C 4 A 2	
S7428	12-13	131-134	Feb. 20	Feb. 19	Feb. 21		A 3	A 1 A 2		
S7429	8-10	186-193	-	Feb. 20	Feb. 22					C 5 D 7 C 7
S7430	14-19	107-114	Feb. 22	Feb. 21	Feb. 27		A 2 ..	B 6 C 9 C14 C14 C10		
S7431	18-21	95-102	Feb. 23	Feb. 21	Mar. 1		A 2 B 4	A 2 ..	D15 D16 D10 - C 4	
S7432	19-22	117-123	-	Feb. 22	Feb. 26				B 7 D10 D 8 C 5 J 2	
S7433	24-27	38-46	Feb. 27	Feb. 22	Mar. 4	A 1 C 3 A 1 ..	B 4	B 8 -	D12 D12 C 8 C 4	
S7434	10	45	-	Feb. 22	Feb. 24	J 2 J 2 A 1				
S7435	12-13	25-31	Feb. 28	Feb. 24	Mar. 1	J 2 D 6 C 6 B 3	-	A 2		
S7436	1- 3	113-121	-	Feb. 25	Feb. 27					C 8 D15 D 7
S7437	18-19	29-34	Feb. 28	Feb. 26	Mar. 2		C 5 D11	-	C 5 B 3	

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TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	MARCH 2002											
	Latitude	Longitude				E-Side					C.M.	W-Side					
N7684	16	307	-	Mar. 1	Mar. 2	A 1 A 1											
N7685	10	352-353	Mar. 3	Mar. 3	Mar. 3						A 3						
N7686	12-13	320-321	Mar. 5	Mar. 3	Mar. 11	A 4 J 3					- A 1					
N7687	5-	6357- 2	-	Mar. 7	Mar. 8							D 4 C 4					
N7688	16	338-339	-	Mar. 7	Mar. 7							J 3					
N7689	7	253	Mar. 11	Mar. 7	Mar. 11	J 2					A 2						
N7690	18-20	214-221	Mar. 13	Mar. 7	Mar. 19	J 2 J 2 C 5 C 7 C 3 J 2						C 5	C 4 - J 5 J 2 - A 1				
N7691	14	209	-	Mar. 9	Mar. 12	J 2 J 2 A 1 A 1											
N7692	19-20	203-209	Mar. 14	Mar. 11	Mar. 16	D 5 C 6 C 6					B 4	- A 1					
N7693	23	197	-	Mar. 13	Mar. 13	A 1											
N7694	16-17	111-113	-	Mar. 19	Mar. 23	A 3 A 4					-	- A 1					
N7695	13-17	152-160	-	Mar. 23	Mar. 24							D11 C 3					
N7696	6- 8	72-79	Mar. 24	Mar. 23	Mar. 30						A 3	C 4 D14 D13 - D25 - D 8					
N7697	8-11	33-46	Mar. 27	Mar. 23	Apr. 1	C11 C14 C14 C20					-	D19 - D 9 D 6 A 1					
N7698	14-17	25-30	Mar. 28	Mar. 23	Mar. 28	C 4 C 5 C 4 C 5 -					B 2						
N7699	6- 7	11-12	-	Mar. 23	Mar. 30	J 2 J 2 J 2 J 2 -	J 2					-	A 2				
N7700	4	88	-	Mar. 28	Mar. 28							A 1					
N7701	9-14	313-328	Apr. 2	Mar. 28	Apr. 7	D 8 - E32 E44 E39					F36	E36 E28 E24 - G10					
N7702	9-14	301-310	Apr. 3	Mar. 30	Apr. 7	D10 D17 D25 D28					D23	D16 D20 - C 5					
N7703	0- 4	291-303	Apr. 3	Mar. 30	Apr. 7	D10 D20 D30 E37					E39	E39 E35 - E27					
S7438	20-21	67-69	-	Mar. 1	Mar. 1							A 2					
S7439	7	333	-	Mar. 1	Mar. 1	A 2											
S7440	3- 7	7308-319	Mar. 6	Mar. 1	Mar. 11	C 5 C 6 B 8 C12 -					-	C27 D16 C12 D 4 J 2					
S7441	15	48	-	Mar. 3	Mar. 3							A 1					
S7442	17	321	-	Mar. 3	Mar. 3	A 1											
S7443	22-24	284-290	Mar. 8	Mar. 3	Mar. 10	J 2 C 5 - - C14					C10	A 1 A 2					
S7444	2- 4	4264-271	Mar. 9	Mar. 3	Mar. 14	J 3 J 2 - -	J 3 J 3					J 3	C 6 J 3 J 2 J 3 J 3				
S7445	18	47-50	-	Mar. 4	Mar. 4							A 2					
S7446	4	27	-	Mar. 4	Mar. 4							A 1					
S7447	28-29	326-328	-	Mar. 4	Mar. 4	A 3											
S7448	9-11	282-287	Mar. 8	Mar. 4	Mar. 10	C 3 - - C 4					D12	D11 B 4					
S7449	7-13	186-199	Mar. 15	Mar. 9	Mar. 20	C 4 E20 E28 E31 E38 E29						-	E35 E28 - E14 G11				
S7450	18-21	178-181	Mar. 16	Mar. 10	Mar. 23	A 1 J 2 J 2 J 2 J 2 -					J 3	J 3 - C 8 C 7 - - J 2					
S7451	29	223	-	Mar. 11	Mar. 11	A 2											
S7452	17-19	164-172	Mar. 17	Mar. 11	Mar. 20	J 2 A 3 J 4 J 3 -	B 3					B20	- D13 C 6				
S7453	11	277	-	Mar. 12	Mar. 13							A 1 J 2					
S7454	17-21	135-147	Mar. 19	Mar. 13	Mar. 25	B 4 E 7 - E 8 E17 -					E19	G13 - - G10 D 8 D 4					
S7455	30-31	174-180	Mar. 16	Mar. 16	Mar. 20							C 7 D 5 - A 2 A 1					
S7456	18-21	70-77	Mar. 24	Mar. 20	Mar. 28	D 8 - - C15					J 7	J 5 J 4 - J 3					
S7457	12-17	44-56	Mar. 26	Mar. 20	Mar. 31	J 2 - -	C13 C22 C20					E25	- E25 - B 6 D 4				
S7458	2- 4	97-104	-	Mar. 23	Mar. 28							B 2 C 6 D14 D 9 - J 3					
S7459	16-18	343-349	Mar. 31	Mar. 28	Apr. 5	C 4 - C11					D16	D11 C10 C 7 J 3 C 5					
S7460	10-14	285-293	Apr. 4	Mar. 30	Apr. 7	J 3 D13 d16 D26 C19					C14	C13 - J 6					
S7461	18-19	288-292	Apr. 4	Mar. 31	Apr. 4	C 3 J 2 C 8 B 2					A 1						

TABLE OF SUNSPOT GROUPS

APRIL 2002

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side				C.M.	W-Side									
	Latitude	Longitude																		
N7704	3-62	246-250	Apr. 7	Apr. 2	Apr. 7	A 1	C 4	J 4	A 2	-	A 1									
N7705	7-21	201-222	Apr. 10	Apr. 4	Apr. 15	C 5	E 18	-	F 28	-	F 45	F 48	-	-	F 34 F 24					
N7706	12-14	276-284	Apr. 5	Apr. 5	Apr. 5						C 9									
N7707	18-21	179-181	Apr. 12	Apr. 7	Apr. 18	J 2	-	-	D 8	D 8	-	-	J 4	J 4	-	-	J 2			
N7708	10-15	153-167	Apr. 14	Apr. 10	Apr. 19	E 6	D 8	-	-	-	E 13	D 9	-	-	J 2	J 2				
N7709	18-20	158-160	-	Apr. 10	Apr. 11	J 4	A 5													
N7710	4-	5200-205	-	Apr. 14	Apr. 15											C 5 A 2				
N7711	7- 8	79-85	Apr. 20	Apr. 14	Apr. 23	J 2	J 2	-	-	J 5	C 5	C 7	-	J 3	J 2					
N7712	5-16	147-150	Apr. 15	Apr. 15	Apr. 15						A 3									
N7713	8-12	66-72	Apr. 21	Apr. 18	Apr. 27	J 4	D 12	D 19			-	D 25	D 19	-	-	C 4 J 2				
N7714	4- 7	11-20	Apr. 25	Apr. 22	Apr. 29	D 9	D 14	-	-		-	D 13	D 10	D 6	D 6					
N7715	9-15	359- 7	Apr. 26	Apr. 22	Apr. 29	C 9	C 13	-	-		D 17	D 23	D 23	D 11						
N7716	13-14	350-352	Apr. 26	Apr. 23	Apr. 29	A 1	-	-	-		..	D 8	C 6	B 2						
N7717	1-16	313-327	Apr. 29	Apr. 23	May 3	J 3	-	-	G 12	G 11	G 17	G 17	-	-	G 16	G 6				
N7718	21	335-336	-	Apr. 29	Apr. 29							A 2								
S7462	19-20	52	-	Apr. 1	Apr. 1											A 1				
S7463	5	328-329	Apr. 1	Apr. 1	Apr. 4						A 2	A 1	A 3	A 1						
S7464	14	354-357	-	Apr. 2	Apr. 3											B 2 A 1				
S7465	7	318	-	Apr. 3	Apr. 3							A 1								
S7466	8	297	Apr. 3	Apr. 3	Apr. 3						A 1									
S7467	12	281	-	Apr. 3	Apr. 3											A 1				
S7468	9-10	195-196	Apr. 11	Apr. 5	Apr. 15	J 2	-	J 2	-	-	J 2	J 2	-	-	J 2	J 2				
S7469	1-	2257-261	-	Apr. 7	Apr. 10							D 9	-	-	J 2					
S7470	27-30	228-238	Apr. 8	Apr. 7	Apr. 14							B 7	-	-	E 18	D 19	-	-	A 3	
S7471	17	231	-	Apr. 7	Apr. 7							A 1								
S7472	17-18	190-192	-	Apr. 7	Apr. 10	J 3	-	-	A 1											
S7473	14-16	221-224	-	Apr. 10	Apr. 11							C 7	A 5							
S7474	13-16	197-207	Apr. 11	Apr. 10	Apr. 15						A 4	C 7	-	-	D 5	D 6				
S7475	12-18	144-158	Apr. 14	Apr. 11	Apr. 20						C 8	-	-	E 35	E 32	-	-	E 34	E 41	E 26
S7476	1-	5111-122	Apr. 17	Apr. 11	Apr. 20	D 4	-	-	E 33	D 30	-	-	C 19	D 10	D 7					
S7477	25	140	-	Apr. 14	Apr. 14							A 1								
S7478	14-18	136-137	-	Apr. 15	Apr. 15							A 2								
S7479	6-	7105-107	Apr. 18	Apr. 18	Apr. 18							A 3								
S7480	19-20	84-94	Apr. 19	Apr. 18	Apr. 23							D 16	D 18	C 16	-	C 7	C 3			
S7481	11-12	72-78	Apr. 20	Apr. 18	Apr. 20							A 2	D 7	B 7						
S7482	20	129	-	Apr. 19	Apr. 19											A 1				
S7483	2	108	-	Apr. 19	Apr. 19							A 1								
S7484	13-17	53-63	Apr. 22	Apr. 19	Apr. 26							A 2	B 4	-	A 4	B 8	-	-	C 5	
S7485	2	99	-	Apr. 20	Apr. 20											A 1				
S7486	28-29	1	-	Apr. 22	Apr. 22															
S7487	15-17	340-349	Apr. 27	Apr. 22	Apr. 28							A 2								
S7488	22-23	33-35	Apr. 23	Apr. 23	Apr. 23	D 10	D 10	-	-	C 9	C 4	B 7								
S7489	1- 3	46-54	-	Apr. 26	Apr. 27											C 6 A 1				
S7490	12-13	36-41	-	Apr. 26	Apr. 27											B 4 A 1				
S7491	14-15	27-28	-	Apr. 26	Apr. 27											A 2 A 1				
S7492	21	30	-	Apr. 27	Apr. 27											A 1				
S7493	27-28	244-246	May 5	Apr. 29	May 6	A 1	-	-	J 4	J 3	-	A 3	A 1							

TABLE OF SUNSPOT GROUPS

MAY 2002

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side		C.M.	W-Side	
	Latitude	Longitude								
N7719	11-13	299-303	-	May 2	May 3				B10 B 3	
N7720	15-16	264-271	May 3	May 2	May 9		D10	D12	- C 7 C 7 - - A 1	
N7721	17-19	237-240	May 5	May 2	May 6		J 6 C17 -	C13	C12	
N7722	18-21	220-227	May 6	May 2	May 13		J 2 C 4 - C 5	C 3	- - J 2 - - J 2 A 1	
N7723	21-23	281-289	-	May 3	May 6				C 8 - C11 C 5	
N7724	22-25	200-202	-	May 5	May 6		C 4 J 2			
N7725	14-18	175-181	May 10	May 5	May 14		D 6 D 6 - - D14	-	- C 4 D 6 A 1	
N7726	11	74	-	May 13	May 15		J 2 J 3 J 2			
N7727	4- 5	25-26	May 21	May 20	May 27			J 2	J 3 J 3 J 2 J 2 J 2 - J 2	
N7728	3-16	8-20	May 22	May 20	May 28			D47 E80	E58 E50 E49 E36 - E22 C13	
N7729	13-16	342-354	May 24	May 20	May 29			C 8 C 8 C 8 C 8	C12 C18 - C 4 A 1 A 1	
N7730	15	336	May 25	May 20	May 29			J 2 J 2 J 3 J 2 J 2	J 2 - J 2 J 2 A 1	
N7731	11-18	308-323	May 26	May 20	Jun. 1		A 2 J 4 J 5 C 7 E21 E25	-	C25 C23 C17 C14 C 8 J 2	
N7732	10-11	321-323	May 26	May 22	May 28		A 1 A 1 A 2 A 1	-	A 4 A 2	
N7733	16	303	May 27	May 27	May 27			A 1		
N7734	4- 6	258-265	May 31	May 27	Jun. 5		D 7 D12 D10 D10	D 9	D 8 D 5 D 4 D 4 B 2	
N7735	9-10	258-263	-	May 27	May 30		C 5 C 6 C 7 A 3			
N7736	21	288	-	May 28	May 28			A 1		
N7737	19-22	214-218	Jun. 3	May 29	Jun. 7		A 1 J 2 J 2 J 2 J 2	C 7	C 5 C 7 C 6 J 3	
N7738	24	216-217	-	May 29	Jun. 2		A 1 A 2 A 4 A 4 B 3			
S7494	25-28	221-231	May 6	May 2	May 9		D 8 D 8 - D16	D13	- - C 4	
S7495	14-18	228-234	May 6	May 2	May 6		B 6 J 2 - D 9	C 8		
S7496	12-20	206-219	May 7	May 2	May 14		D11 C22 - D24 D29	-	- D26 - - E34 E18 D 7	
S7497	18-19	241-245	May 5	May 3	May 9		B 8 -	A 3	A 1 - - A 1	
S7498	20-21	221-225	May 6	May 5	May 9			C 8	- - J 2	
S7499	16	220	May 6	May 5	May 6			A 1	A 1	
S7500	4- 9	187-192	May 9	May 5	May 14		D15 D15 - -	D12	- - C19 D14 B 6	
S7501	8- 9	170-171	-	May 5	May 9		A 1 J 2 - - A 3			
S7502	0- 6	127-142	May 13	May 9	May 15		G11 - - E26	C17	C24 D18	
S7503	15-16	157-161	-	May 12	May 15				B 5 C 4 A 1 A 1	
S7504	14-15	147-149	May 12	May 12	May 12			A 3		
S7505	4- 7	105-112	May 15	May 12	May 20		C 9 D10 C13	C 6	- - - - A 1	
S7506	18-23	83-95	May 16	May 12	May 22		E12 G 8 G 7 G 6	-	- - - H 2 H 2 H 2	
S7507	19-21	30-34	May 21	May 15	May 25		J 4 - - - J 9	C11	C 8 C 5 J 3 A 1	
S7508	12	32	May 21	May 15	May 22		J 2 - - - J 2	J 2	A 2	
S7509	18-23	326-339	May 25	May 20	May 31		E18 E25 E20 E21 E19	E19	- E16 C 7 C 5 J 2 J 2	
S7510	14	1-358	May 23	May 22	May 27			B 3	C 3 B 2 .. - A 1	
S7511	7-10	307-310	May 27	May 22	Jun. 1		J 2 C 5 J 4 J 4 -	J 3	J 4 J 2 C 5 J 3 J 2	
S7512	19	22	-	May 24	May 24				A 1	
S7513	12	314	-	May 24	May 25		A 1 C 4			
S7514	10	303	May 27	May 27	May 27			A 1		
S7515	18-20	230-235	Jun. 2	May 28	Jun. 3		A 3 D 7 D14 C11 C10	C 7	B 5	
S7516	12-18	206-219	Jun. 3	May 28	Jun. 10		C 4 E19 E29 E32 E35 E39	E40	E30 E29 D23 D12 - C 4 J 2	
S7517	8- 9	258-262	May 31	May 30	Jun. 1			A 2	J 4 B 4	
S7518	18-21	287-290	-	May 31	Jun. 3				D 4 C 7 C 8 J 5	

TABLE OF SUNSPOT GROUPS

Heliographic		JUNE 2002				E-Side		C.M.		W-Side	
Group NO.	Latitude	Longitude	C.M. Passage	First Obs.	Last Obs.						
N7739	14-15	215-218	Jun. 3	Jun. 3	Jun. 4			C 4	B 4		
N7740	24	154	-	Jun. 3	Jun. 7	J 2 J 2 J 2 J 2 J 2					
N7741	16-20	163-172	Jun. 7	Jun. 4	Jun. 13	D 8 D14 D11		D19	- D16 D10 - J 2 A 1		
N7742	20	195	Jun. 5	Jun. 5	Jun. 5			A 2			
N7743	4- 5	124-126	Jun. 10	Jun. 5	Jun. 12	J 2 J 2 J 3 - A 4		A 1	- A 1		
N7744	6- 7	149-150	-	Jun. 9	Jun. 13			J 2 J 4 - J 2 A 1			
N7745	6- 7	116-118	-	Jun. 9	Jun. 9	A 3					
N7746	12	70	-	Jun. 10	Jun. 10	J 2					
N7747	10-12	116-117	-	Jun. 12	Jun. 12			A 3			
N7748	14	18	-	Jun. 13	Jun. 14	A 1 A 1					
N7749	10	19	-	Jun. 14	Jun. 14	A 1					
N7750	18-19	10-14	Jun. 19	Jun. 14	Jun. 19	A 1 - - -		B 2			
N7551	19-21	348-355	Jun. 20	Jun. 14	Jun. 24	J 2 - - - - C 8		- C 8 C 4 - C 4			
N7752	13-14	351-354	-	Jun. 19	Jun. 21			C 6 - A 1			
N7753	12-16	309-322	Jun. 23	Jun. 19	Jun. 28	G 4 - J 3 C15		- C10 - - - J 2			
S7519	17-21	185-191	Jun. 5	Jun. 1	Jun. 10	J 2 C10 D12 D20		D20	D17 D14 - C 5 J 2		
S7520	27-30	171-176	Jun. 6	Jun. 1	Jun. 7	D 8 D 9 C 8 C 7 C 7		B 5 A 3			
S7521	27-28	226-228	Jun. 2	Jun. 2	Jun. 5			A 1 A 3 .. A 1			
S7522	19-20	153-154	Jun. 8	Jun. 2	Jun. 10	J 2 A 1 J 2 J 2 J 2 J 2		- J 3 A 1			
S7523	2- 3	145-151	Jun. 8	Jun. 3	Jun. 10	A 1 J 3 J 3 A 3 ..		- .. B 2			
S7524	32-34	182-186	-	Jun. 6	Jun. 9			A 1 C 6 - A 1			
S7525	11-17	138-150	Jun. 8	Jun. 6	Jun. 14	A 2 D15		- E36 E40 - E13 E 9 C 4			
S7526	13	165-166	Jun. 7	Jun. 7	Jun. 7			A 2			
S7527	21-22	133-138	Jun. 9	Jun. 7	Jun. 9	A 2 -		B 3			
S7528	17-23	83-88	Jun. 13	Jun. 7	Jun. 19	H 2 - H 2 H 2 - H 9		H 5 H 4 - - - - J 2			
S7529	17-18	68-69	Jun. 14	Jun. 9	Jun. 14	J 2 C 4 - J 5 J 6		A 4			
S7530	3- 5	121-124	-	Jun. 14	Jun. 14			C 4			
S7531	13-16	37-43	-	Jun. 19	Jun. 21			D11 - B 2			
S7532	5	33-34	-	Jun. 19	Jun. 21			A 3 - B 3			
S7533	7-12	289-296	Jun. 24	Jun. 19	Jun. 28	C 5 - C16 C18 -		H16 - - - H 3			
S7534	10	318	Jun. 22	Jun. 22	Jun. 22			A 1			
S7535	11-12	253-259	Jun. 27	Jun. 22	Jul. 3	J 2 - D12 - -		- B 6 - - - .. C 3			
S7536	24	293	Jun. 24	Jun. 24	Jun. 24			A 1			
S7537	26	252-255	-	Jun. 24	Jun. 24	C 5					
S7538	17	256	-	Jun. 24	Jun. 24	A 1					
S7539	16-19	228-241	Jun. 29	Jun. 28	Jul. 5	C 4		- - - C23 E27 C23 C 5			
S7540	14-15	204-207	Jul. 1	Jul. 28	Jul. 7	J 2 - -		- C 4 J 3 J 2 J 2 - A 1			

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	JULY 2002		C.M.	W-Side
	Latitude	Longitude				E-Side			
N7754	2	124	-	Jul. 2	Jul. 4	A 2 A 1 A 1			
N7755	15-23	2 -23	Jul.15	Jul. 9	Jul.23	J 4 - C22 F43 - F71	-	F84 - F78 F68 E36 E18 J 2	
N7756	10	4	-	Jul.11	Jul.14	A 1 A 1 - A 1			
N7757	9	40	-	Jul.16	Jul.16			J 3	
N7758	14	27	-	Jul.16	Jul.16			A 1	
N7759	13-18	285-287	Jul.22	Jul.16	Jul.28	J 2 - J 2 J 2 J 3 J 3	-	C 5 J 3 J 3 J 3 - J 2	
N7760	7	16	-	Jul.18	Jul.18			A 1	
N7761	15	328	Jul.19	Jul.18	Jul.20			A 1	
N7762	14-17	242-248	Jul.25	Jul.21	Jul.29	D 4 - C 9 C 8	J 5	J 5 - A 1 A 1	
N7763	16-17	259-261	Jul.24	Jul.23	Jul.24			C 3	
N7764	10-14	209-218	Jul.28	Jul.23	Aug. 1	A 1 C 8 D15 D22 -	D25	D29 - D16 B 2	
N7765	4-	7236-241	Jul.26	Jul.24	Jul.29		D22	- C11 B 5	
N7766	13	233	-	Jul.25	Jul.25	D 5 C 9			
N7767	8-	9287-290	-	Jul.26	Jul.26	A 1			
N7768	19-21	174-180	Jul.30	Jul.26	Jul.31	D 8 - C13 C10	-	A 2	C 4
N7769	9	183-186	-	Jul.28	Jul.29				
N7770	6	201	-	Jul.31	Jul.31	B 3 B 2			
N7771	5-	6112-116	-	Jul.31	Aug. 2			A 1	
N7772	13-15	107-114	Aug. 4	Jul.31	Aug. 6	A 2 C 5 B 4			
						D 4 D 4 D 5 D 6	D 6	C 4 C 4	
S7541	9-10	262-268	-	Jul. 2	Jul. 3				D 5 A 1
S7542	24	198	Jul. 2	Jul. 2	Jul. 2		A 1		
S7543	13-19	148-159	Jul. 5	Jul. 2	Jul.11	D13 E22 D21	C23	- D10 D12 D 8 - J 2	
S7544	18-19	138-142	Jul. 6	Jul. 3	Jul. 8	A 3 C 6 A 5	-	A 2 A 2	
S7545	20-22	115-118	Jul. 8	Jul. 3	Jul. 8	A 1 B 3 B 3 - A 2	A 3		
S7546	27-30	160-167	Jul. 4	Jul. 4	Jul. 9		B 3	D 9 - D 9 B12 B 3	
S7547	32-33	108-114	Jul. 8	Jul. 4	Jul. 9	C 6 D 7 - D10	D11	D 9	
S7548	19	82-85	Jul.10	Jul. 5	Jul.16	J 2 - J 2 C 3 J 2	-	J 2 J 2 - J 2 - A 1	
S7549	16	68	-	Jul. 8	Jul.16	A 1 A 1 - - .. - J 3	
S7550	11-13	53-58	Jul.12	Jul. 9	Jul.14	A 2 - C 9	C 7	- J 4	
S7551	16	63	Jul.12	Jul.12	Jul.12		A 1		
S7552	19	20-22	-	Jul.14	Jul.14		A 2		
S7553	6-	8306-316	Jul.20	Jul.16	Jul.25	C 3 - B 7 C13	B12	C10 - D12 C 6 B 2	
S7554	4-	9289-301	Jul.21	Jul.16	Jul.26	D12 - D32 E40 E50	E51	- E41 E43 E40 C23	
S7555	20-21	280-281	Jul.23	Jul.23	Jul.24		A 3	A 1	
S7556	18-19	242-243	Jul.25	Jul.23	Jul.28	A 2 A 4	J 5	A 2 - A 1	
S7557	12	217	-	Jul.23	Jul.25	J 2 A 1 A 1			
S7558	17-24	200-220	Jul.27	Jul.23	Aug. 4	A 1 D13 D27 E44	-	F49 F49 - F49 F32 F30 F11 A 1	
S7559	8-19	198-211	Jul.28	Jul.23	Aug. 4	D23 E36 E45 E63 -	E63	E52 - E54 E42 E16 E15 J 2	
S7560	4-	9186-201	Jul.29	Jul.28	Aug. 4		D25	D38 - E54 F51 F25 F24 C 7	
S7561	16-17	175-178	-	Jul.28	Jul.29	B 4 C 5			
S7562	15-18	149-152	Aug. 2	Jul.28	Aug. 6	C 3 J 2 - J 2 J 2	J 2	J 2 J 3 J 2 J 2	
S7563	21-22	132-136	-	Jul.28	Aug. 2	A 1 C 4 - J 2 J 2 J 2			

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	AUGUST 2002				C.M.	W-Side									
	Latitude	Longitude				E-Side														
N7773	13-16	66-72	Aug. 8	Aug. 2	Aug.10	C 3	C 4	C 9	C 9	C10	-	-	-	A 1						
N7774	6-12	37-48	Aug.10	Aug. 4	Aug.14	J 5	C 5	D20	-	-	-	C27	C21	C 9	C 7	J 2				
N7775	16-21	360- 9	Aug.12	Aug. 6	Aug.17	J 2	-	-	-	D10	D12	D 8	D10	D13	-	-	J 2			
N7776	12-16	328-338	Aug.15	Aug.10	Aug.20	A 2	B 5	B 9	D23	C25	-	-	-	C20	-	-	C 4			
N7777	10-14	308-323	Aug.16	Aug.10	Aug.22	J 2	C 5	E12	C21	E35	-	-	E36	-	-	D13	C 7	C 5		
N7778	16-21	14-15	-	Aug.11	Aug.11	-	-	-	-	-	-	-	-	-	-	-	-	A 3		
N7779	18	356	-	Aug.11	Aug.11	-	-	-	-	-	-	-	-	-	-	-	-	A 1		
N7780	13	285	Aug.18	Aug.13	Aug.21	J 2	J 2	-	-	J 2	-	-	-	J 2	A 1	-	-	A 2		
N7781	3	6- 8	-	Aug.14	Aug.14	-	-	-	-	-	-	-	-	-	-	-	-	A 2		
N7782	23	357	-	Aug.14	Aug.14	-	-	-	-	-	-	-	-	-	-	-	-	A 2		
N7783	14-18	262-269	Aug.20	Aug.14	Aug.26	C 5	-	-	D15	-	-	C 9	C10	C 7	-	A 2	..	D 5		
N7784	20-21	290-291	-	Aug.17	Aug.17	-	-	-	-	-	-	-	-	-	-	-	-	A 3		
N7785	16-17	251-252	-	Aug.17	Aug.17	A 4	-	-	-	-	-	-	-	-	-	-	-	-		
N7786	6-10	52-72	Sep. 4	Aug.31	Sep.10	F36	F48	F48	F53	-	-	-	-	-	-	-	-	C15	C 6	C 5
S7564	5- 9	140-152	Aug. 2	Aug. 1	Aug. 6	-	-	-	-	-	B 9	D16	D25	E34	E29	E16	-	-		
S7565	4- 5	72-80	Aug. 7	Aug. 2	Aug.13	A 1	J 2	J 3	J 2	J 2	-	-	-	-	D11	C 6	D 9	J 2		
S7566	26-28	143-149	-	Aug. 3	Aug. 5	-	-	-	-	-	-	-	A 6	B 5	B 4	-	-	-		
S7567	3	117	-	Aug. 5	Aug. 5	-	-	-	-	-	-	-	A 1	-	-	-	-	-		
S7568	20	32	-	Aug. 6	Aug. 6	-	-	-	-	-	-	-	-	-	-	-	-	-		
S7569	6- 8	311-323	Aug.16	Aug.10	Aug.17	J 2	C 5	E 9	E 9	E 8	-	-	-	-	D 6	-	-	-		
S7570	15-18	35-41	-	Aug.12	Aug.14	-	-	-	-	-	-	-	-	-	-	C 9	C11	D11		
S7571	3-12	294-307	Aug.17	Aug.12	Aug.22	H17	H27	H34	-	-	H77	-	-	-	H55	H49	H37	-		
S7572	9-11	331-334	-	Aug.13	Aug.14	-	-	-	-	B 5	B 9	-	-	-	-	-	-	-		
S7573	7	2	-	Aug.14	Aug.14	-	-	-	-	-	-	-	-	-	-	-	-	A 1		
S7574	12-14	348-351	Aug.14	Aug.14	Aug.17	-	-	-	-	-	A 1	-	-	-	C 4	-	-	-		
S7575	16	304	-	Aug.14	Aug.14	-	-	-	-	-	-	-	-	-	-	-	-	A 1		
S7576	16-23	273-285	Aug.19	Aug.14	Aug.24	A 2	-	-	D26	-	-	E39	C22	C15	-	C 4	-	-		
S7577	11-20	223-238	Aug.22	Aug.17	Aug.28	J 2	-	-	C 5	B 8	C22	-	C25	C14	J 5	J 3	J 3	-		
S7578	15-18	212-218	Aug.24	Aug.20	Aug.28	J 2	C 6	J 3	-	-	C 7	-	C 6	J 2	C 4	D 6	-	-		
S7579	9-13	214-218	Aug.24	Aug.20	Aug.26	A 1	B 3	B 7	-	-	A11	-	A 5	B 3	-	-	-	-		
S7580	4-10	196-205	Aug.25	Aug.20	Aug.31	H 2	H 2	H 7	-	H18	H10	-	H15	H15	H12	-	-	J 2		
S7581	22	213	-	Aug.21	Aug.21	-	-	-	-	-	-	-	-	-	-	-	-	-		
S7582	14	201-204	-	Aug.21	Aug.22	-	-	-	-	-	-	-	-	-	-	-	-	-		
S7583	3-10	155-161	Aug.28	Aug.22	Sep. 3	J 2	-	H13	D16	C17	H14	H24	-	-	C33	C25	D11	J 2		
S7584	19-22	242-248	-	Aug.24	Aug.27	-	-	-	-	-	-	-	-	-	-	D16	D15	D10	D 5	
S7585	15	146	-	Aug.24	Aug.25	A 1	A 1	-	-	-	-	-	-	-	-	-	-	-		
S7586	11-13	195-196	Aug.25	Aug.25	Aug.25	-	-	-	-	-	A 4	-	-	-	-	-	-	-		
S7587	24	199	Aug.25	Aug.25	Aug.25	-	-	-	-	-	A 1	-	-	-	-	-	-	-		
S7588	2- 5	128-135	Aug.30	Aug.26	Sep. 3	J 2	J 2	J 3	-	-	-	-	D12	C 6	C 3	C 4	-	-		
S7589	17	161	Aug.28	Aug.28	Aug.31	-	-	-	-	-	A 2	-	-	-	A 1	-	-	-		
S7590	14-16	122-124	-	Aug.28	Aug.28	-	-	-	-	-	-	-	-	-	-	-	-	-		
S7591	9	175	-	Aug.31	Aug.31	-	-	-	-	-	-	-	-	-	-	-	-	A 1		
S7592	16-19	70-75	Sep. 4	Aug.31	Sep.10	D 8	D10	D 8	C 6	-	-	-	-	-	-	-	-	J 2	J 2	A 1
S7593	12-16	44-53	Sep. 6	Aug.31	Sep.10	D 4	D 5	D 9	D 8	-	-	-	-	-	C13	C 4	A 1	-	-	

TABLE OF SUNSPOT GROUPS
SEPTEMBER 2002

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N7787	12-13	75-81	Sep. 3	Sep. 1	Sep. 8			
N7788	5- 7	26-32	Sep. 7	Sep. 1	Sep. 9			
N7789	9	21	-	Sep. 2	Sep. 3			
N7790	13-18	353- 4	Sep. 9	Sep. 8	Sep. 12			
N7791	11-12	324-325	-	Sep. 8	Sep. 10			
N7792	28	315-317	-	Sep. 8	Sep. 8			
N7793	11-12	294-302	Sep. 14	Sep. 9	Sep. 19			
N7794	17-22	318-324	Sep. 12	Sep. 10	Sep. 18			
N7795	11	312-314	-	Sep. 12	Sep. 12			
N7796	1- 2	308-309	-	Sep. 12	Sep. 12			
N7797	2- 3	281-282	-	Sep. 18	Sep. 19			
N7798	14-18	264-268	-	Sep. 18	Sep. 20			
N7799	18-22	178-184	-	Sep. 24	Sep. 27			
N7800	5- 7	129-136	Sep. 26	Sep. 24	Oct. 2			
N7801	27-28	129-132	Sep. 26	Sep. 24	Sep. 27			
N7802	12	142	-	Sep. 25	Sep. 25			
N7803	9-15	70-82	Oct. 1	Sep. 25	Oct. 4			
N7804	20	124	Sep. 27	Sep. 27	Sep. 27			
S7594	2- 3	71-77	Sep. 4	Sep. 1	Sep. 8			
S7595	9	35	-	Sep. 1	Sep. 3			
S7596	17-20	24-34	Sep. 7	Sep. 1	Sep. 12			
S7597	2	87	-	Sep. 3	Sep. 3			
S7598	2-14	287-309	Sep. 14	Sep. 8	Sep. 20			
S7599	22	291	-	Sep. 9	Sep. 10			
S7600	6- 9	321-326	Sep. 12	Sep. 10	Sep. 12			
S7601	0- 3	240-250	Sep. 18	Sep. 18	Sep. 20			
S7602	11-15	225-236	Sep. 19	Sep. 18	Sep. 25			
S7603	11-15	214-209	Sep. 20	Sep. 18	Sep. 24			
S7604	15-18	204-209	-	Sep. 18	Sep. 20			
S7605	7-10	199-205	Sep. 21	Sep. 18	Sep. 27			
S7606	10-16	184-196	Sep. 22	Sep. 18	Sep. 27			
S7607	7	168	-	Sep. 19	Sep. 20			
S7608	21-25	145-154	Sep. 25	Sep. 25	Sep. 27			
S7609	24	110	-	Sep. 27	Sep. 27			

TABLE OF SUNSPOT GROUPS

NOVEMBER 2002

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side						C.M.	W-Side						
	Latitude	Longitude																	
N7827	3	307	-	Nov. 2	Nov. 5	J 2 - J 2 A 2													
N7828	19	12	-	Nov. 4	Nov. 4								A 1						
N7829	19-20	318-321	Nov. 6	Nov. 5	Nov. 8	C 6						-	- A 1						
N7830	10-12	284-289	Nov. 8	Nov. 8	Nov. 11							D15	D10 C 8 A 1						
N7831	12-14	242-252	-	Nov. 8	Nov. 10	J 2 B 8 C 5													
N7832	10-15	230-241	Nov. 12	Nov. 11	Nov. 18	C 5						-	.. C 9 D33 E19 E15 E10						
N7833	23-26	128-131	Nov. 20	Nov. 14	Nov. 26	H 2	H 2	H 2	H 2	H 2	H 2	H 2	-	- H 2 H 2 - H 2					
N7834	25-29	111-114	Nov. 21	Nov. 20	Nov. 23	A 5						-	- B 3						
N7835	13-15	1 - 8	Nov. 30	Nov. 24	Nov. 30	A 1 - J 2 - B12 B 8						B 3							
N7836	15-18	350-354	-	Nov. 28	Nov. 30	A 4 A 1 A 1													
N7837	10	337	-	Nov. 28	Nov. 29	A 2 A 1													
N7838	19-22	326-327	Dec. 2	Nov. 28	Dec. 5	J 2 J 2 J 2 -						J 2	J 2 - A 2						
N7839	8-12	285-297	Dec. 5	Nov. 30	Dec. 6	C 8 - C22 D24 -						C19	C14						
S7635	6-12	299-316	Nov. 6	Nov. 2	Nov. 11	C 6 - E26 E59						-	- F58 F47 F35 F29						
S7636	16-17	289-295	Nov. 8	Nov. 2	Nov. 14	D 4 - D 5 D 6 - -						J 2	J 2 J 2 J 2 - J 2 J 2						
S7637	9-14	266-273	Nov. 9	Nov. 4	Nov. 15	J 5 C11 - - J 9						C10	C17 C16 - D 8 D 6 J 5						
S7638	1	269	-	Nov. 8	Nov. 8	A 1													
S7639	17-20	240-247	Nov. 11	Nov. 8	Nov. 15	C 6 C 4 C 4						J 2	- J 2 D 7 B 3						
S7640	12-20	196-211	Nov. 15	Nov. 9	Nov. 20	E16	E29	F49	-	E55	F70	E59	F47 F52 F27 F23 G13						
S7641	1	208	-	Nov. 13	Nov. 13	J 3													
S7642	15-16	174-177	-	Nov. 14	Nov. 16	J 2 B 4 J 4													
S7643	13-19	128-139	Nov. 20	Nov. 14	Nov. 24	J 2 C 6 E12 E10 E 7 D 9						D14	- - D 5 D 7						
S7644	14-19	99-115	Nov. 22	Nov. 16	Nov. 28	C 7 E11 F17 F22 F29 -						-	C35 F39 - G10 - F10						
S7645	13-15	117-121	Nov. 21	Nov. 19	Nov. 24	A 4 C 6						-	- C 7 A 2						
S7646	1- 3	49-53	Nov. 26	Nov. 23	Nov. 29	J 2 J 2 -						J 3	- C 5 A 1						
S7647	24	350	-	Nov. 28	Nov. 28	A 1													
S7648	16-20	313-326	Dec. 3	Nov. 28	Dec. 6	D14 D12 E16 - E21						E20	- E11 D 5						
S7649	8	65-68	-	Nov. 30	Nov. 30								B 4						
S7650	16-19	286-299	Dec. 5	Nov. 30	Nov. 11	C 4 - C 6 C 4 -						J 3	J 3 - - - J 2 J 2						

TABLE OF SUNSPOT GROUPS

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Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N7840	12-15	249-256	Dec. 8	Dec. 2	Dec. 11	A 1 C 4 - C 9 C 17 -	-	- C 8 B 3
N7841	12-14	309-315	-	Dec. 5	Dec. 6			C 4 D 14
N7842	14-16	234-241	-	Dec. 5	Dec. 6	C 4 C 6		
N7843	22	288	-	Dec. 6	Dec. 6			A 1
N7844	11	233	Dec. 10	Dec. 10	Dec. 10		A 1	
N7845	13	193	-	Dec. 10	Dec. 10	A 1		
N7846	4	176	-	Dec. 10	Dec. 10	A 1		
N7847	22-23	173-174	-	Dec. 10	Dec. 11	J 2 A 2		
N7848	17	231	-	Dec. 11	Dec. 12			A 1 J 4
N7849	23-26	118-122	Dec. 18	Dec. 12	Dec. 23	J 2 - D 5 D 5 D 6 D 9	-	- C 7 - - J 2
N7850	4-8	143-149	Dec. 16	Dec. 14	Dec. 20		D 14	D 22 - - J 3
N7851	16-19	115-123	Dec. 18	Dec. 14	Dec. 20	D 10 C 14 D 15 D 18	-	- C 5
N7852	15-24	97-110	Dec. 19	Dec. 14	Dec. 23	D 5 D 18 E 28 E 34	-	E 26 - - C 12
N7853	30	99	Dec. 20	Dec. 20	Dec. 20		A 1	
N7854	12	9	-	Dec. 23	Dec. 23	A 1		
N7855	13-14	353-355	Dec. 28	Dec. 26	Dec. 30	A 2 A 1 A 1
N7856	18-19	320-324	Dec. 30	Dec. 26	Jan. 2	J 2 J 2 J 2 C 4	J 2	J 2 J 2 J 2
N7857	14	327	-	Dec. 26	Dec. 29	A 1 .. A 1 A 1		
N7858	16	21-24	-	Dec. 28	Dec. 29			D 7 C 3
S7651	7	319-323	-	Dec. 2	Dec. 2			B 3
S7652	8	280	-	Dec. 5	Dec. 5			A 1
S7653	16-17	214-217	Dec. 11	Dec. 5	Dec. 12	A 1 J 2 - - - C 7	J 8	C 6
S7654	24-25	280-288	-	Dec. 10	Dec. 10			B 2
S7655	6	256	-	Dec. 10	Dec. 11			J 2 A 2
S7656	5-7	208-211	Dec. 11	Dec. 10	Dec. 11		J 5	C 10
S7657	8-13	182-191	Dec. 13	Dec. 10	Dec. 17	D 26 D 28 D 23	-	D 18 D 9 C 3 J 3
S7658	16-18	173-179	Dec. 14	Dec. 10	Dec. 17	J 3 J 5 J 3	-	D 16 C 13 C 5 C 3
S7659	23-30	118-136	Dec. 17	Dec. 14	Dec. 23	D 10 E 19 E 20	E 35	- - F 51 - - G 15
S7660	13-18	112-126	Dec. 18	Dec. 14	Dec. 23	G 12 E 23 G 16 E 27	-	- C 19 - - E 26
S7661	19-20	183-184	-	Dec. 15	Dec. 15			A 2
S7662	13	102	Dec. 19	Dec. 15	Dec. 20	A 1	-	A 1
S7663	23-24	83-89	Dec. 21	Dec. 20	Dec. 27		C 5	- - D 7 - - C 4 C 6
S7664	7-9	63-75	Dec. 22	Dec. 20	Dec. 28		E 30	- - C 21 - - J 3 J 2 J 2
S7665	7-8	291-297	Jan. 1	Dec. 29	Jan. 4	C 3 C 9 C 9	C 7	D 11 - J 2
S7666	13-14	343-345	-	Dec. 30	Dec. 30			A 2
S7667	12	286	-	Dec. 31	Dec. 31	A 1		
S7668	7-9	283-286	-	Dec. 31	Jan. 1	A 6 B 3		