

TABLE OF SUNSPOT GROUPS

JANUARY 2004

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side						C.M.	W-Side								
	Latitude	Longitude				.	.	.	.	.	.		.	.	.	.	.	.	.
N7993	2- 8	7-12	Jan.12	Jan. 7	Jan.15		D11	D11	D18	D15	H13	H10	H10	H 9	H10						
N7994	9	45-47	-	Jan. 8	Jan. 8						A 2										
N7995	8-11	261-268	Jan.20	Jan.19	Jan.25						C 3	D14	-	D18	C10	C 4	J 2				
N7996	7- 9	249-257	Jan.21	Jan.19	Jan.26						C14	D15	-	D14	D12	D 7	A 1	A 1			
N7997	13	258	-	Jan.19	Jan.19						A 1										
N7998	5	86	-	Jan.31	Jan.31						J 2										
N7999	11-15	42-45	Feb. 6	Jan.31	Feb.11		B 4	D14	-	-	D20	D15	D29	-	C18	C 7	B 2	A 1			
S7860	3- 7	121-130	Jan. 4	Jan. 1	Jan. 7					D19	D20	D17	C15	C 8	C 7	A 1					
S7861	6-14	69-79	Jan. 7	Jan. 1	Jan.14		J 2	H11	H18	H27	H31	H38	H46	C45	C40	C33	C21	H10	H 7	J 2	
S7862	11-15	280-294	Jan.19	Jan.13	Jan.25		C 3	E 9	E12	-	-	-	E36	E27	-	E 7	C 3	J 2	J 2		
S7863	8- 9	330-333	Jan.15	Jan.14	Jan.19							J 3	B 5	-	-	-	A 1				
S7864	19	278	Jan.19	Jan.19	Jan.19								A 1								
S7865	14-16	266-271	Jan.20	Jan.20	Jan.25								D 6	-	D 7	C 5	J 3	J 2			
S7866	18-20	159-163	Jan.28	Jan.26	Jan.31						A 2	..	A 1	..	C 5	B 2					
S7867	10-11	77-82	-	Jan.29	Feb. 1		J 2	C 4	C 5	C 4											
S7868	8-10	112-119	Feb. 1	Jan.30	Feb. 6						C 4	C 7	D10	-	-	C 6	J 2	A 1			

TABLE OF SUNSPOT GROUPS
FEBRUARY 2004

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N8000	14	86-88	-	Feb. 1	Feb. 1	A 3		
N8001	16-17	309-315	Feb.13	Feb.10	Feb.16	A 1 C 7 B 9	D10	B 6 B 5 J 3
N8002	7-8	333-336	-	Feb.14	Feb.16			C 4 D 7 J 2
N8003	2	216	Feb.20	Feb.15	Feb.21	J 2 J 2 J 2 J 2 J 2	J 2	J 2
N8004	12-17	157-167	Feb.24	Feb.20	Feb.28	A 1 C 6 - D27	D26	D46 E49 E33 E35
N8005	6	140	-	Feb.24	Feb.24	A 1		
S7869	8	102	-	Feb. 4	Feb. 4			A 1
S7870	7-8	69-73	Feb. 4	Feb. 4	Feb. 5		D 7	D 5
S7871	4-6	48-52	Feb. 6	Feb. 4	Feb. 6	A 2 C 3	B 4	
S7872	4-9	21-30	Feb. 8	Feb. 4	Feb.13	D15 D15 D25 -	D28	D21 D22 D17 D 8 J 2
S7873	7-10	303-310	Feb.13	Feb. 8	Feb.19	C 6 D 8 D12 D12 D10	D 6	D 7 D 8 C 4 J 2 J 2 J 3
S7874	4	19	-	Feb. 9	Feb. 9			A 1
S7875	13	289	-	Feb.10	Feb.12	J 2 J 2 J 2		
S7876	8-9	336-338	-	Feb.12	Feb.13			A 3 J 5
S7877	15-16	270-274	Feb.16	Feb.13	Feb.16	C 5 C 3 A 1	A 1	
S7878	16-17	250-254	-	Feb.14	Feb.16	A 1 A 3 C 6		
S7879	15	287	-	Feb.16	Feb.16			A 1
S7880	3	163	-	Feb.20	Feb.20	A 1		
S7881	11-12	154-159	-	Feb.20	Feb.23	C 3 C 3 - A 1		
S7882	22	148	Feb.26	Feb.21	Feb.28	J 2 - J 2 J 2 J 2	J 2	J 2 A 1
S7883	3-5	137-146	Feb.26	Feb.23	Mar. 3	D 8 D12 C14	D19	D16 D15 - - J 5 J 2
S7884	15-16	125-128	Feb.27	Feb.27	Feb.28		A 2	B 6
S7885	9-14	65-75	Mar. 2	Feb.27	Mar. 9	J 2 D12 - -	C20	D22 D16 D22 D24 C11 C 3 A 1
S7886	9	151	-	Feb.28	Feb.28			A 1

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	MARCH 2004					C.M.	W-Side							
	Latitude	Longitude				E-Side						W-Side							
N8006	10	261	-	Mar.10	Mar.10	A 1													
N8007	18-19	300-305	-	Mar.13	Mar.17							D 9	D12	C 9	C 5	J 2			
N8008	14-16	139-152	Mar.24	Mar.19	Mar.29	D 7 - E14 - E29					-	-	E20	E16	C 7	A 1			
N8009	8	163-168	-	Mar.26	Mar.28							D 4 D 4 B 2							
N8010	12-16	50-61	Mar.31	Mar.26	Apr. 6	C15 C18 C26 D28 D33					C25	C22	C11	D 5	-	J 2	J 2		
S7887	11-13	11-16	Mar. 7	Mar. 5	Mar.10	D 6 C10					C 8	J 3	J 3	J 2					
S7888	11-15	295-313	Mar.12	Mar. 6	Mar.17	H 2 G11 G17 G22 G21 -					-	G17	G16	C 7	D 5	D 5			
S7889	13	3	-	Mar. 7	Mar. 7	A 1													
S7890	3- 4	49-54	-	Mar. 9	Mar.10							B 4 J 2							
S7891	14	336	Mar.10	Mar. 9	Mar.10	A 1					A 1								
S7892	11-15	221-226	Mar.18	Mar.13	Mar.19	J 3 J 3 J 3 C 5 J 3					-	J 2							
S7893	17	307	-	Mar.15	Mar.17							A 1 .. A 1							
S7894	1- 5	172-183	Mar.22	Mar.16	Mar.27	A 1 B 6 - D26 - C24					-	E26	-	-	E11	J 3			
S7895	18	234	Mar.17	Mar.17	Mar.17						A 1								
S7896	17-18	266-270	-	Mar.19	Mar.19							D10							
S7897	1-+1	149-152	Mar.24	Mar.19	Mar.29	J 2 - J 2 - J 2					-	-	C 5	J 2	J 3	A 1			
S7898	5	147	-	Mar.23	Mar.23	A 2													
S7899	13	119-120	-	Mar.23	Mar.23	A 2													
S7900	12-13	76-81	Mar.29	Mar.26	Mar.29	C 4 D 7 B 6					A 1								
S7901	3- 4	62-63	Mar.30	Mar.26	Apr. 5	J 2 J 2 J 2 J 2					J 2	J 2	J 2	J 2	J 2	-	J 2		
S7902	13-16	47-52	Mar.31	Mar.26	Apr. 1	C 3 C 5 C11 C 8 A 2					B 6	B 3							
S7903	15	108	-	Mar.28	Mar.28							A 1							
S7904	12-16	5-15	Apr. 3	Mar.29	Apr. 8	A 4 D10 C15 C14 C17					C18	-	C14	C 8	C 8	A 2			

TABLE OF SUNSPOT GROUPS

Group NO. Heliographic Latitude Longitude C.M. Passage First Obs. Last Obs. E-Side W-Side

TABLE OF SUNSPOT GROUPS
APRIL 2004

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side		C.M.	W-Side	
	Latitude	Longitude				.	.		.	.
N8011	10	286-287	-	Apr. 5	Apr. 6	A 2	A 2			
N8012	14-15	156-157	Apr.20	Apr.15	Apr.20	J 2	J 3 J 2 J 4 -	A 1		
N8013	14-16	44-54	Apr.28	Apr.24	May 2	B 2	D13 D15 -	D 8	C 6 -	A 4 A 1
N8014	17	71	Apr.26	Apr.26	Apr.26			A 2		
S7905	13-18	312-318	Apr. 7	Apr. 2	Apr.13	J 2	C 4 - C16 C19	C18	D15 C13 C 8 -	C 7 J 2
S7906	8	25	-	Apr. 7	Apr. 7					J 2
S7907	14-17	241-250	Apr.13	Apr.12	Apr.18			C 5 C11	- D13 D 6 C 7	A 3
S7908	10-11	175-178	Apr.18	Apr.13	Apr.18	J 2	- J 3 C 3 J 2	A 2		
S7909	4- 9	124-130	Apr.22	Apr.17	Apr.24	A 3	D 8 - D14 C 9	C 6	C13 B 4	
S7910	17-19	174-182	Apr.18	Apr.18	Apr.22			C 5	- D 9 C 5 B 3	
S7911	6- 9	104-116	Apr.23	Apr.18	Apr.29	D10	- D24 D25 C20	C15	C15 C11 J 4 -	J 4 J 2
S7912	5- 6	198-203	-	Apr.20	Apr.22					A 2 C 4 C 4
S7913	2- 6	156-160	-	Apr.21	Apr.22				B 4 B 4	
S7914	14	111-114	-	Apr.24	Apr.25			B 2	A 1	
S7915	12-15	59-65	-	Apr.29	May 1				A 2 -	B 6

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	MAY 2004		C.M.	W-Side
	Latitude	Longitude				E-Side			
N8015	10	190-195	May 14	May 14	May 15			C 8	C12
N8016	3	184-185	-	May 14				A 2	
N8017	17-18	92-93	-	May 24	May 28				J 3 J 2 J 2 J 2 J 2
S7916	14-16	30-36	-	May 1	May 2				J 3 D10
S7917	8-11	26-35	-	May 1	May 2				C19 D17
S7918	10-12	316-323	-	May 6	May 8				C 9 J 2 J 2
S7919	18	279-281	May 7	May 6	May 7			A 3	A 2
S7920	11	252	-	May 8	May 8				A 1
S7921	7-11	194-200	May 14	May 8	May 15	J 2	- - J 4 - -	C 6	C 7
S7922	3	191-192	-	May 11	May 11				A 2
S7923	4	183	May 15	May 11	May 15		J 3 - -	A 1	A 1
S7924	0- 4	173-180	May 15	May 11	May 15		A 1 - -	D33	D37
S7925	8- 9	120-121	May 19	May 14	May 26	J 2	J 2 - - -	-	- - - - J 3 J 2 J 2
S7926	7- 8	100-104	-	May 24	May 26				C 4 C 5 A 1
S7927	7-14	34-49	May 25	May 24	Jun. 1			C45	E55 C45 E47 E32 E25 - E 9 J 4
S7928	14-15	31-34	-	May 24	May 25				B 4 A 2
S7929	1	303	-	May 29	May 29				A 1
S7930	12-16	278-286	Jun. 3	May 29	Jun. 7	C 4	- D18 D19 D15	D17	C14 B11 - A 1
S7931	11	262-263	-	May 31	Jun. 2	J 4	J 4 A 2		

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	JUNE 2004						C.M.	W-Side
	Latitude	Longitude				E-Side							
N8018	9	327-330	-	Jun. 2	Jun. 2								B 2
N8019	5-	6259-261	Jun. 5	Jun. 5	Jun. 5						A 3		
N8020	11-14	70-83	Jun. 19	Jun. 13	Jun. 24	J 2	E14	E13	E24	-	E33	G18	- - C12 - H 3
N8021	4-	5187-189	-	Jun. 14	Jun. 14								A 2
N8022	8-	9337-343	Jun. 26	Jun. 24	Jun. 29						B 6	-	- B 5 B 7 A 1
N8023	9-13	248-255	Jul. 3	Jun. 28	Jul. 6		C 5	C 6	C 8	C 7	C 8	C 6	C 7 - C 4
S7932	7-	8244-245	-	Jun. 2	Jun. 5		J 2	J 2	A 2	A 2			
S7933	11	335-339	-	Jun. 3	Jun. 4								J 2 B 2
S7934	7-	8223-226	Jun. 8	Jun. 5	Jun. 9			C 5	-	C 6	-	C 7	
S7935	7-	8213-214	Jun. 9	Jun. 9	Jun. 9						A 2		
S7936	3-	4204-205	Jun. 9	Jun. 9	Jun. 9						J 3		
S7937	9	157	Jun. 13	Jun. 13	Jun. 13						J 2		
S7938	10-11	121-122	Jun. 16	Jun. 13	Jun. 22		J 2	J 3	J 2	J 2	J 2	-	J 2 J 2 - - J 2
S7939	5-	6111-114	Jun. 16	Jun. 14	Jun. 16				B 2	..	A 1		
S7940	6-16	46-66	Jun. 20	Jun. 14	Jun. 27	A 3	E12	E23	-	G43	G46	-	- G57 - G39 - - C 4
S7941	9	161-163	-	Jun. 16	Jun. 18								A 3 - A 1
S7942	12-13	74-76	-	Jun. 22	Jun. 22								A 3
S7943	8-	9 23-29	-	Jun. 22	Jun. 22						B 5		
S7944	7-	9253-259	Jul. 3	Jun. 27	Jul. 6	A 1	C 3	C 6	C 7	J 3	C 5	C 6	B 5 - A 1

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	JULY 2004												
	Latitude	Longitude				E-Side						C.M.	W-Side					
N8024	4	222	-	Jul. 8	Jul. 8													
N8025	11-14	78-82	Jul.16	Jul.10	Jul.22	J 2	J 2	-	C 8	-	C 6	-	C 9	C 8	J 2	J 2	J 2	J 2
N8026	12-15	165-172	-	Jul.11	Jul.15								A 1					
N8027	11-12	155-157	-	Jul.11	Jul.11								A 3 - D17 - B 6					
N8028	15-17	129-134	-	Jul.13	Jul.15								J 3					
N8029	4-13	338-356	Jul.23	Jul.17	Jul.28	H 8	E25	F42	F57	F81	F86	F97	F102	F92	-	F47	C31	
N8030	21	24	-	Jul.19	Jul.19								C 8 - A 1					
N8031	14	333-334	-	Jul.23	Jul.23								A 2					
N8032	8-	9257-267	Jul.29	Jul.27	Aug. 4								A 2					
													D14 D11					
													- D15 D11 D 7 D 8 C 6 C 4					
S7945	5- 8	122-131	Jul.12	Jul. 7	Jul.18	J 2	B 4	C10	D11	C22	-	C17	-	D12	-	J 2	J 2	
S7946	7- 8	171-173	Jul. 9	Jul. 9	Jul.11								C 6 C 4 A 2					
S7947	15	76	-	Jul.11	Jul.11								A 1					
S7948	7	67	Jul.17	Jul.13	Jul.17								J 2 - A 1 - A 1					
S7949	15-17	50-53	Jul.18	Jul.13	Jul.21								A 1 - .. - .. A 5 A 3 A 2 A 1					
S7950	4-13	36-52	Jul.19	Jul.13	Jul.24	C14	-	E33	-	E35	E42	C42	C41	D26	C20	C 8	C 3	
S7951	11	59	-	Jul.15	Jul.17								A 1 - A 1					
S7952	14-17	57-64	Jul.17	Jul.15	Jul.17								A 2 - B 5					
S7953	10	55	Jul.18	Jul.18	Jul.18								A 1					
S7954	10-15	341-349	Jul.23	Jul.18	Jul.28								C 8 C10 C14 C15 C12 C16 C12 C 4 - C 4 A 1					
S7955	6-10	170-185	Aug. 5	Jul.30	Aug.10	J 2	C 3	C 9	C19	E22	E24	-	-	C25	C16	C 9	D 6	

TABLE OF SUNSPOT GROUPS

AUGUST 2004

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side						C.M.	W-Side									
	Lat- tude	Longi- tude				.	.	.	.	.	.		.	.	.	.	.	.	.
N8033	11	75	Aug.12	Aug. 7	Aug.14		J 2	J 2	J 2	J 2	J 2	J 2	J 2	J 2	J 2	J 2						
N8034	17	42-43	-	Aug.10	Aug.13		J 2	J 4	J 3	A 2												
N8035	5-11	344-352	Aug.19	Aug.13	Aug.25	D 5	D 4	-	D 8	-	D 18	D 11	D 11	D 12	D 10	-	D 5	C 7				
N8036	13-14	345-350	Aug.19	Aug.16	Aug.20				A 2	-	C 6	C 5	A 3									
N8037	5	357	Aug.18	Aug.18	Aug.18							A 2										
N8038	11-15	326-331	Aug.21	Aug.18	Aug.22				C 5	D 7	D 11	D 17	D 10									
N8039	7-13	259-270	Aug.25	Aug.19	Aug.31	J 2	G 4	G 8	G 12	-	C 5	C 13	C 9	G 12	G 9	C 4	-	J 2				
N8040	5	316-319	-	Aug.22	Aug.22								B 4									
N8041	4	271	-	Aug.26	Aug.31								A 1	..	..	..	-	J 2				
S7956	5- 6	91-93	-	Aug. 7	Aug. 8				A 2	A 1												
S7957	9-17	76-96	Aug.12	Aug. 7	Aug.18	C 6	D 12	D 29	E 50	E 70	E 72	F 86	F 78	-	F 54	-	D 19					
S7958	8- 9	54-56	Aug.14	Aug.10	Aug.11				A 1	A 2												
S7959	7- 8	25-31	Aug.16	Aug.11	Aug.16	A 1	D 5	C 5	C 3	-	J 2											
S7960	7	73	-	Aug.14	Aug.14								A 1									
S7961	11	353	Aug.19	Aug.19	Aug.19							A 1										
S7962	9-11	287-298	Aug.23	Aug.21	Aug.29				D 12	D 23	-	E 17	D 13	D 11	J 2	J 2	J 2					

TABLE OF SUNSPOT GROUPS

SEPTEMBER 2004

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side					C.M.	W-Side					
	Lati- tude	Longi- tude			
N8042	2-	9344-357	Sep.15	Sep. 9	Sep.20	J 2	-	D20	D26	D34	D46	E40	E44	C31	C18	J 5	D 8
N8043	0	50	Sep.11	Sep.11	Sep.11							A 1					
N8044	20	336	Sep.16	Sep.16	Sep.16							A 2					
N8045	4-	5332-334	-	Sep.19	Sep.19									J 6			
N8046	2-	3137-141	-	Sep.30	Sep.30						C 6						
N8047	14	134	-	Sep.30	Sep.30						A 1						
N8048	16	116	-	Sep.30	Sep.30						A 1						
S7963	9	173	-	Sep. 3	Sep. 3									J 2			
S7964	8-13	89-97	Sep. 7	Sep. 3	Sep.13	J 2	-	-	C 5	C 6	H 3	C 8	-	C 5	C 6	J 3	
S7965	8-	9178-181	-	Sep. 6	Sep. 6										D 4		
S7966	2-	684-89	Sep. 8	Sep. 6	Sep.14			D 8	D15	D18	D21	-	C 9	J 3	J 3	A 2	
S7967	7-10	129-138	-	Sep. 7	Sep.11								C 7	D16	D16	-	H 5
S7968	13	86	Sep. 8	Sep. 8	Sep.12						A 2	..	-	..	A 1		
S7969	10-13	267-277	Sep.21	Sep.15	Sep.26	J 2	C 3	D11	E14	D24	D18	-	D13	-	D 5	J 2	J 2
S7970	10	302-305	-	Sep.20	Sep.20								B 4				
S7971	8-	9140-141	Oct. 1	Sep.26	Oct. 7	J 2	-	J 2	-	J 2	-	-	-	-	-	J 2	J 2
S7972	7	167-168	-	Sep.30	Sep.30								A 2				
S7973	8-12	95-96	Oct. 4	Sep.30	Oct. 7	J 2	-	-	-	-	-	-	D 6	A 2			

TABLE OF SUNSPOT GROUPS

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	OCTOBER 2004																		
	Latitude	Longitude				E-Side						C.M.	W-Side											
N8049	13	126	-	Oct. 7	Oct. 7																		A 1	
N8050	9-12	353-358	Oct.12	Oct.12	Oct.14									B 6	C 7	A 2								
N8051	8	283	Oct.18	Oct.18	Oct.18										A 1									
N8052	8-15	167-181	Oct.26	Oct.21	Oct.31				C11	D14	E26	E33	E53	-	E46	C34	C21	-	C 4					
N8053	12	155	Oct.27	Oct.22	Nov. 2				J 2	J 2	C 3	J 2	-	J 2	J 2	J 3	-	J 2	J 2	J 2				
N8054	12-16	130-143	Oct.29	Oct.23	Nov. 4				J 2	E 9	E19	-	E12	C14	C21	-	C24	D16	D11	D11	D 4			
N8055	15-19	115-124	Oct.30	Oct.27	Oct.31									-	A 1	B 4	B 8							
S7974	8	350	Oct.12	Oct.12	Oct.12									A 1										
S7975	10-13	270-282	Oct.18	Oct.13	Oct.24				C 3	C12	C12	C16	C22	C18	-	-	E17	E18	C10	B 3				
S7976	8-10	259-264	Oct.19	Oct.17	Oct.21									C 7										
S7977	19	228	-	Oct.17	Oct.18				A 1	J 2														
S7978	1- 5	213-219	Oct.23	Oct.17	Oct.29				J 2	J 2	-	-	J 2	D10	D23	D20	D14	-	J 2	J 2	J 2			
S7979	4- 6	243-249	Oct.20	Oct.18	Oct.25									J 2	-	-	D13	C 8	A 2	C 4	A 1			
S7980	6	288-293	-	Oct.21	Oct.23																			
S7981	+1-	2138-140	Oct.28	Oct.23	Nov. 3				J 2	J 3	J 4	-	D 9	J 6	C 8	-	J 5	C 7	C 4	A 1				
S7982	16-18	158-166	Oct.27	Oct.24	Oct.29									D 6	J 2	C 3								
S7983	7- 9	176-178	-	Oct.27	Oct.27										A 3									
S7984	12-18	70-85	Nov. 2	Oct.28	Nov. 9				D 9	E14	-	E36	E47	E48	E47	F34	F32	F21	G14	G10	J 2			
S7985	7	127	-	Oct.31	Oct.31										A 1									
S7986	13-14	40-47	Nov. 5	Oct.31	Nov. 8				D 4	D 4	D 4	D 5	C 3	C 8	D 5	B 5	A 1							

TABLE OF SUNSPOT GROUPS

DECEMBER 2004

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side					C.M.	W-Side					
	Latitude	Longitude				.	.	.	.	.		.	.	.	.	.	.
N8062	7	325	-	Dec. 5	Dec. 5				J 2								
N8063	5	330	Dec. 8	Dec. 6	Dec. 9				A 1 ..	A 1	A 2						
N8064	11-14	307-314	-	Dec. 12	Dec. 15									D17	D11	D11	C 3
N8065	3- 6	338-344	Jan. 3	Dec. 29	Jan. 6		D 8	H11	- C22	C21	C13	C 8	D 7	J 4			
S7997	21	68	-	Dec. 2	Dec. 2									A 1			
S7998	6- 8	262-275	Dec. 12	Dec. 8	Dec. 18		A 1	A 1	- -	A 1	.. ..	.. ..	..	B 3	E 9	J 2	
S7999	15	213	-	Dec. 14	Dec. 14				A 1								
S8000	8-11	148-152	-	Dec. 17	Dec. 18				J 2	B 4							
S8001	7-11	120-132	Dec. 23	Dec. 17	Dec. 28		J 3	J 3	- C 4	E14	E21	D17	C16	C12	C 6	J 2	C 8
S8002	3	134-137	Dec. 22	Dec. 22	Dec. 24							C 3	B 2	C 4			
S8003	21	72	-	Dec. 29	Dec. 29									A 1			