

TABLE OF SUNSPOT GROUPS

JANUARY 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Lat- tude	Longi- tude						
N5075	4-6	10-13	Jan. 2	Jan. 1	Jan. 7		D10	- C 4 C 7 - J 2 J 2
N5076	11-12	358-1	--	Jan. 26	Jan. 29	A 2 D 6 B 4 A 1		
S4575	25	141	-	Jan. 15	Jan. 15	A 1		
S4576	24-27	122-127	Jan. 21	Jan. 18	Jan. 26		B 2 C 6	D14 - D10 A 1 A 1
S4577	28	131	-	Jan. 19	Jan. 19		A 1	
S4578	37-38	332-335	--	Jan. 28	Jan. 31	A 2 C 3 .. A 1		

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FEBRUARY 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Lati- tude	Longi- tude						
N5077	15-17	162-165	Feb.15	Feb.15	Feb.20		B 3	.. - - .. A 1
N5078	35-36	308-311	Mar. 3	Feb.25	Mar. 5	J 2 J 2 J 2 J 2 - J 2	C 3	J 3 J 3
S4579	10	24	-	Feb.27	Feb.27			A 1
S4580	33-34	340-343	Feb.28	Feb.28	Mar. 3		A 1	- C 3 B 4

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Group NO.	Heliographic		C.M. Passage	MARCH 1987		E-Side	C.M.	W-Side
	Lati- tude	Longi- tude		First Obs.	Last Obs.			
N5079	3-5	282-289	-	Mar. 6	Mar. 10			D14 - D19 C 8 J 2
N5080	21-22	74-79	Mar. 21	Mar. 21	Mar. 25		D 7	D11 - - D 4
N5081	1-5	292-295	Mar. 31	Mar. 26	Apr. 6	J 2 J 3 J 2 - C 6	D 7	C 6 - - J 2 J 2 J 2
S4581	22	1	-	Mar. 5	Mar. 5			A 1
S4582	33-35	74-75	-	Mar. 15	Mar. 19	J 2 J 2 J 2 J 2 C 5		
S4583	20-22	120-123	-	Mar. 18	Mar. 18		D 6	

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APRIL 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N5082	6	292	-	Apr. 1	Apr. 1			A 1
N5083	23-24	68-74	-	Apr. 12	Apr. 16	J 2 J 2 J 2 J 4 C 4		
N5084	1-3	297-298	Apr. 27	Apr. 22	May 2	J 2 J 2 J 2 J 2 -	J 2	C 3 J 2 C 3 - C 5
N5085	25-28	27-32	-	Apr. 23	Apr. 25			B 2 D 8 D 4
S4584	22-25	171-183	Apr. 9	Apr. 5	Apr. 15	C 7 D15 - D20	E21	- G11 J 3 J 3 J 3 J 3
S4585	25	206	-	Apr. 8	Apr. 8			A 1
S4586	29-34	124-138	Apr. 12	Apr. 8	Apr. 20	D 7 E17 - E27	E26	E27 E29 E20 E19 E19 D14 H 8 J2
S4587	5-7	123-127	Apr. 13	Apr. 8	Apr. 19	J 4 C 5 - C 7 C 5	C 8	J 4 J 3 J 2 J 2 J 2 J 2
S4588	7	116	-	Apr. 9	Apr. 9	J 2		
S4589	29-32	119-121	Apr. 14	Apr. 13	Apr. 14		B 3	A 2
S4590	16-17	107-110	Apr. 15	Apr. 15	Apr. 17			A 3 D 6 A 1
S4591	5	97-99	-	Apr. 16	Apr. 16			A 2
S4592	24-25	1-3	-	Apr. 21	Apr. 24			A 3 .. A 1 A 1
S4593	27-29	276-280	Apr. 29	Apr. 29	May 3			C 4 D 6 - C 6 B 2

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Group NO.	Heliographic		C.M. Passage	MAY 1987		E-Side	C.M.	W-Side
	Latitude	Longitude		First Obs.	Last Obs.			
N5086	25-33	333-346	May 22	May 16	May 28	C16 - - E38 C27 C28	C31 - C43 E32 D22 D 4 A 1	
N5087	21-23	245-254	May 28	May 26	Jun. 2	C 5 D 6	D 7 C 6 J 3 D 8 B 3	
S4594	22-23	178-179	May 6	May 2	May 8	J 2 J 2 J 2 J 2	J 2 J 4 A 1	
S4595	29-34	117-127	-	May 5	May 10	D 5 D 9 D13 D10 G13 D12		
S4596	30-31	110-111	-	May 16	May 16		J 2	
S4597	23-25	348-350	May 21	May 16	May 21	C 6 - - J 9 A 4 A 2		
S4598	20	80-82	-	May 19	May 19		J 4	

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JUNE 1957

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N5088	22	193	-	Jun. 2	Jun. 2		A 1	
N5089	27	335	-	Jun. 14	Jun. 14	A 1		
N5090	28-31	321-323	Jun. 19	Jun. 17	Jun. 19	A 1	A 5	
N5091	25	334	Jun. 13	Jun. 13	Jun. 13		A 1	
N5092	17-20	256-264	Jun. 24	Jun. 22	Jun. 30	D14 D24	D22	D21 C 9 C 5 C 4 - J 2
N5093	28	161	-	Jun. 26	Jun. 30	J 2 J 2 J 2 - A 1		
N5094	30	150	-	Jun. 26	Jun. 30	A 1 J 2 J 2 - A 1		
S4599	17-18	B4-86	-	Jun. 12	Jun. 12			J 4
S4600	10	67	-	Jun. 12	Jun. 12		J 2	
S4601	4	349	-	Jun. 18	Jun. 13		J 3	
S4602	30-31	253-257	Jun. 24	Jun. 19	Jun. 28	J 3 - - - C 6 C 4	J 2	J 2 J 3 J 2 A 1
S4603	30	223-225	-	Jun. 28	Jun. 28			J 3

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Group NO.	Heliographic		C.M. Passage	JULY 1987		E-Side	C.M.	W-Side
	Latitude	Longitude		First Obs.	Last Obs.			
N5095	27-28	24-28	-	Jul.16	Jul.16			B 3
N5096	20	249-252	Jul.22	Jul.21	Jul.23		C 4 .. C 3	
N5097	27-31	138-148	Jul.29	Jul.23	Aug. 3	J 2 D 6 E10 - - E17	E19 - D 7 - C 5 A 1	
N5098	13-15	115-122	Aug. 1	Jul.31	Aug. 6		C 8 - D18 D12 C 8 - J 2	
S4604	18-19	110-115	-	Jul. 8	Jul.10			C 3 C 5 B.3
S4605	30-32	239-241	Jul.22	Jul.17	Jul.28	D.8 - - C.6 J.7 -	J 6 J 5 J.3 - - J 2	
S4606	26-30	248-258	Jul.21	Jul.20	Jul.28		C 5 D 8 - D18 E23 E28 - - A 1	
S4607	20-24	175-187	Jul.27	Jul.21	Jul.31	C 3 - D17 D17 D15 - -	C12 C 4 - C 6	
S4608	18-19	221-227	Jul.24	Jul.23	Jul.25		C 8 C 9 C 9	
S4609	20	198	-	Jul.23	Jul.23	A 2		
S4610	20-21	187-190	-	Jul.28	Jul.28			B 3
S4611	29-30	170-177	-	Jul.29	Jul.31			C 5 - C 3

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AUGUST 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side				C.M.	W-Side				
	Latitude	Longitude													
N5099	20	87	Aug. 3	Aug. 2	Aug. 3					A 1	A 1				
N5100	6	57-60	-	Aug. 11	Aug. 11										
N5101	22	305-307	-	Aug. 11	Aug. 12										B 2
N5102	14-16	122-124	Aug. 27	Aug. 22	Aug. 29					J 3	-	-	-	C 8	J 7
N5103	17-22	204-210	-	Aug. 26	Aug. 27										A 1
S4612	21-27	39-49	Aug. 6	Aug. 2	Aug. 12										D14 D11
S4613	24-27	282-288	Aug. 15	Aug. 11	Aug. 21					D 7	D 5	D 9	-	D 5	D35 D28 E23 - E12 C 4
S4614	28-33	242-247	Aug. 18	Aug. 12	Aug. 22					C11	D11	D12	D13	C 7	C 8 C 3 - J 2 J 2 J 2
S4615	20-25	233-240	Aug. 19	Aug. 13	Aug. 22					H 4	H 9	H 9	H15	H12	H12 - H 4 H10 H23 H16
S4616	22	275-277	-	Aug. 20	Aug. 20					C 5	D11	D10	D11	D15	- D17 D15 C 9 A 2
S4617	7	106-107	Aug. 29	Aug. 29	Aug. 29										A 2
S4618	22-23	47-48	-	Aug. 29	Sep. 1										A 2
															J 3 J 2 J 2 J 4

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SEPTEMBER 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Lati- tude	Longi- tude						
N5104	26-28	245-251	-	Sep. 8	Sep. 10	A 1 C 5 B 3		
N5105	18	220	-	Sep. 15	Sep. 15			A 1
N5106	12-13	132-133	Sep. 23	Sep. 18	Sep. 29	J 2 J 2 J 2 J 2 J 2	-	J 2 - J 3 J 2 - A 1
N5107	28-30	325-336	Oct. 5	Sep. 29	Oct. 10	J 3 - - D16 D14 E27	E26	- C10 C10 J 5 J 2
S4619	9	75	-	Sep. 1	Sep. 1			J 2
S4620	24	4	Sep. 5	Sep. 1	Sep. 9	J 2 J 2 - -	-	J 2 J 2 J 2 A 1
S4621	17-24	335-345	Sep. 7	Sep. 1	Sep. 10	J 2 D 8 - - - E34	E37	E44 E37 E29
S4622	26-27	275-279	Sep. 12	Sep. 7	Sep. 14	J 2 C 4 J 3 J 5 -	-	- A 1
S4623	30-33	227-232	Sep. 16	Sep. 10	Sep. 21	J 2 - - - C11 C 7	-	- D 8 C11 C 4 A 2
S4624	29-30	190-196	-	Sep. 19	Sep. 24			A 2 D 6 D 8 C 4 - J 2
S4625	23-24	343-347	-	Sep. 29	Oct. 2	J 2 - - B 2		

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OCTOBER 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Lati-tude	Longi-tude						
N5108	33-34	288-297	Oct. 8	Oct. 4	Oct. 9	B 2 C 4 - C 9	C 3 A 2	
N5109	16	321	-	Oct. 5	Oct. 5		A 2	
N5110	20-21	314-316	-	Oct. 8	Oct. 8			C 4
N5111	19-23	188-198	Oct. 15	Oct. 9	Oct. 21	A 1 C 8 - E15 E21 C23	- -	D22 D20 - - C 4
N5112	16	152	-	Oct. 21	Oct. 21			A 1
N5113	22-24	48-50	Oct. 27	Oct. 27	Oct. 27		D 5	
N5114	26-34	353- 5	Oct. 30	Oct. 27	Nov. 6	D15 E37 E32	E30 -	E19 - - - - J 2
S4626	29	26	-	Oct. 2	Oct. 2			A 1
S4627	19	353	-	Oct. 5	Oct. 5			A 1
S4628	23	259-264	Oct. 10	Oct. 8	Oct. 13			C 3 B 2 B 4 - J 4 J 4
S4629	29-30	185-187	Oct. 16	Oct. 12	Oct. 22	J 3 J 3 J 3 -	-	J 3 J 4 - - J 5 J 2
S4630	25-27	237-242	-	Oct. 13	Oct. 18			D 6 D13 - - J 2 A 1
S4631	22-25	203-213	Oct. 14	Oct. 14	Oct. 21			C 7 - - D14 E16 - - A 1
S4632	39-43	109-116	Oct. 22	Oct. 21	Oct. 23			C 6 D 8 D 5
S4633	31-34	87-96	Oct. 23	Oct. 21	Oct. 23			D 6 C 9 D 9
S4634	19-20	342-350	Oct. 31	Oct. 27	Nov. 1	A 2 D 7 D 8 D 9	-	C 5
S4635	20-22	43-49	-	Oct. 28	Nov. 1			D 9 D17 D 9 - J 2

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NOVEMBER 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side				C.M.	W-Side					
	Latitude	Longitude														
N5115	15-17	225-227	Nov. 9	Nov. 6	Nov. 10			A 1	J 4	A 2	A 4	A 1				
N5116	30-33	268-272	-	Nov. 7	Nov. 11							B 2	D 4
N5117	17	167	-	Nov. 9	Nov. 11		J 2	J 2	A 1							
N5118	27	356	-	Nov. 23	Nov. 23			A 1								
S4636	21-23	246-253	Nov. 8	Nov. 6	Nov. 11				D 7	D 5	C 6	C 5	J 2	J 3		
S4637	26	250	-	Nov. 6	Nov. 6				A 1							
S4638	25	238-242	Nov. 8	Nov. 8	Nov. 9						D 5	C 3				
S4639	18-20	222-224	-	Nov. 8	Nov. 8				A 3							
S4640	21-27	114-120	Nov. 13	Nov. 15	Nov. 24			H 19	H 18	H 24	H 24	H 19	H 15	H 16	H 14	H 9 J 3
S4641	18-23	52-63	Nov. 22	Nov. 17	Nov. 26		J 2	J 3	D 12	D 19	D 29	E 36	E 36	E 28	D 17	C 8
S4642	16	130-132	-	Nov. 18	Nov. 19								J 2	J 3		
S4643	15	105	-	Nov. 18	Nov. 18					A 2						
S4644	32-35	64-77	-	Nov. 22	Nov. 27								B 3	D 7	D 9	E 12 E 10 E 9
S4645	22	348-353	Nov. 27	Nov. 23	Nov. 27			A 1	A 1	A 1	C 3	C 5				

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DECEMBER 1987

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side										C.M.	W-Side									
	Latitude	Longitude																								
N5119	25	240-242	-	Dec. 7	Dec. 9												J 2 J 3									
N5120	21-22	14-18	-	Dec.18	Dec.20	J 2 C 3 A 1																				
N5121	13-14	322-323	-	Dec.26	Dec.26											J 4										
S4646	21-22	314-321	-	Dec. 1	Dec. 3												C 7 C 5 J 3									
S4647	20-22	233-241	-	Dec. 7	Dec.12												D12 D15 - - - A 2									
S4648	24-26	99-104	Dec.16	Dec.14	Dec.19												A 1 D 6 D 9 B 4 J 2 A 1									
S4649	31-32	57-67	Dec.19	Dec.14	Dec.26	C 3 D 4 G16 G 6 D 6										C 5	J 3 J 2 J 2 J 2 J 2 J 2 A 1									
S4650	26	65	-	Dec.15	Dec.15	A 1																				
S4651	34	49	-	Dec.17	Dec.17	A 1																				
S4652	16	107	-	Dec.19	Dec.19												A 1									
S4653	39-40	45-53	Dec.20	Dec.20	Dec.20											B 3										
S4654	37-39	44-46	-	Dec.23	Dec.23												A 2									
S4655	20	348	Dec.25	Dec.25	Dec.25											A 2										
S4656	30-37	250-264	Dec.31	Dec.25	Jan. 7	J 2 C13 E16 E27 E23 E13										E15	E20 E12 - - - J 5 J 2									
S4657	34-35	314-319	-	Dec.30	Jan. 1												C 4 C 3 J 2									