

TABLE OF SUNSPOT GROUPS

FEBRUARY 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side						C.M.	W-Side					
	Latitude	Longitude			
N4951	7-8	302-310	Feb. 9	Feb. 5	Feb. 12		J 2	D 6	C12	C11	C 7	C 9	J 4	C 3				
N4952	5	165-169	-	Feb. 15	Feb. 16			C 3	B 2									
N4953	9-16	107-126	Feb. 23	Feb. 18	Mar. 1		H21	H26	H36	C56	C50	-	C34	-	-	H12 H 9 H 8 H 3		
N4954	7-12	84-92	Feb. 25	Feb. 19	Mar. 2	J 2	H10	H 9	H11	-	D15	-	-	D19	D16	D13 D14 D 8		
N4955	19	48	-	Feb. 24	Feb. 24		A 1											
S4385	14-15	43-46	Feb. 1	Feb. 1	Feb. 1						D 5							
S4386	12-15	336-346	Feb. 6	Feb. 1	Feb. 13	J 3	-	-	J 5	J 8	C10	C 7	D 8	D14	D23	D18 C 9 J 2		
S4387	8-15	293-306	Feb. 9	Feb. 4	Feb. 15	G 8	E10	E14	E16	E17	E24	E23	E17	E14	G10	G 6 C 4		
S4388	15-18	326-330	Feb. 7	Feb. 5	Feb. 8				A 3	A 2	B 3	A 3						
S4389	10-13	273-279	Feb. 11	Feb. 5	Feb. 16	A 1	J 2	J 2	J 2	J 2	J 2	C 5	J 3	J 2	J 3	A 1		
S4390	12-18	259-271	Feb. 12	Feb. 6	Feb. 18	C 3	C 5	C 7	D24	D32	D40	E39	E34	E29	E17	C15 - C 6		
S4391	15-16	311-314	-	Feb. 9	Feb. 13							B 2	C 3	A 1	D 5	J 2		
S4392	16	302	-	Feb. 11	Feb. 11							A 2						
S4393	6-7	196-201	-	Feb. 13	Feb. 22		A 1	A 1	..	..	-	..	..	..	..	D 5
S4394	7	185	-	Feb. 13	Feb. 19	A 1	A 2	A 1	A 2	-	..	A 1						
S4395	22	158	-	Feb. 16	Feb. 16		A 1											
S4396	21	251	-	Feb. 18	Feb. 18											A 1		
S4397	18-21	149-156	Feb. 21	Feb. 18	Feb. 24		A 1	B 2	..	..	A 1	B10	-	C 7		
S4398	10	179	-	Feb. 19	Feb. 19							A 1						
S4399	10-16	44-53	Feb. 28	Feb. 24	Mar. 5	D22	-	-	D30	D29	D29	D23	C21	D24	D13	G10 C 4		
S4400	12-14	69-75	-	Feb. 28	Mar. 3							A 1	C 5	D12	C 3	J 2		
S4401	16-17	341-344	-	Feb. 29	Mar. 2		B 3	B 3	A 2									

S4420	13-15	90-95	-	Mar.25	Mar.29
S4421	16	43-46	Mar.27	Mar.26	Mar.27
S4422	10-14	345-353	Mar.31	Mar.26	Apr. 6
S4423	12-18	316-336	Apr. 2	Mar.27	Apr. 8
S4424	11-12	21-29	Mar.29	Mar.29	Apr. 2
S4425	9-13	280-285	Apr. 5	Mar.31	Apr. 8

C 5 D 9 D10 - C 4

G 3 B 2

J 2 C 4 - D 9 G11 C 7 - C 7 - D10 - A 1

D 8 - F34 F37 F38 - F32 - G24 - G12 G 7 G 4

D 8 D 9 C 7 - D 6

C 4 - C 4 - A 1

- A 7 B 9 A 4

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APRIL 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side					C.M.	W-Side				
	Latitude	Longitude			
N4970	1	205	-	Apr. 6	Apr. 6	A 1										
N4971	4-	5262-264	-	Apr. 9	Apr. 9							A 2				
N4972	4-	9135-147	Apr.16	Apr.12	Apr.22	D15 E22 E26 - -					-	D27 D24	- D10 D10 D 5			
N4973	12	134-137	-	Apr.17	Apr.18							B 3 A 2				
N4974	2-	4149-157	-	Apr.18	Apr.21							B 4 - D10 D 8				
N4975	16-17	328-329	-	Apr.26	Apr.26	A 2										
N4976	9	283	-	Apr.28	Apr.28	A 1										
S4426	17	310	-	Apr. 2	Apr. 2							A 1				
S4427	12	267-268	Apr. 6	Apr. 6	Apr. 6						A 2					
S4428	19	255	Apr. 7	Apr. 7	Apr. 7						A 1					
S4429	17	291	-	Apr. 8	Apr. 8							A 1				
S4430	21	151	-	Apr.17	Apr.17							A 1				
S4431	15-19	77-87	Apr.21	Apr.17	Apr.25	D14 D15 - C10					C 8	A 2 A 1 A 3 A 2				
S4432	10-14	35-39	Apr.24	Apr.18	Apr.29	J 2 - J 2 C 8 C 4 J 2					C 7	C11 C 8 C 6 J 7 J 5				
S4433	17	101	-	Apr.20	Apr.20							A 1				
S4434	11-14	346-357	Apr.27	Apr.21	May 3	A 1 C 6 D 9 D10 D11 D16					D18	C17 C17 C 6 - J 3 J 2				
S4435	9-18	330-344	Apr.28	Apr.22	May 5	J 3 E22 E28 E37 E49 E42					E50	E55 E41 - G30 G22 G20 D 9				
S4436	10	29	Apr.24	Apr.23	Apr.24						A 1	A 1				
S4437	14-17	347-355	Apr.27	Apr.24	May 3	A 3 C11 D20					D27	D29 D27 D29 - D15 D 9				
S4438	11-16	310-319	Apr.30	Apr.26	May 6	B 2 A 2 D17 D28					D25	- D24 D20 C16 C 7 C 4				
S4439	22	328	Apr.29	Apr.29	Apr.29						A 1					

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Group NO.	Heliographic		C.M. Passage	MAY 1984		E-Side	C.M.	W-Side
	Latitude	Longitude		First Obs.	Last Obs.			
N4977	1-9	143-162	May 12	May 6	May 19	J 4 F22 F36 F56 F62 F79	F84	- F69 F55 - F35 C30 C11
N4978	2-4	164-168	May 11	May 10	May 12		A 1 A 2 A 3	
N4979	14	149-152	-	May 14	May 15			C 5 A 1
N4980	3	353	May 24	May 24	May 24		A 1	
N4981	0	336-338	May 26	May 26	May 26		A 2	
S4440	16	302-304	-	May 2	May 3			A 2 A 2
S4441	1-2	163-165	May 11	May 6	May 14	J 2 J 2 J 2 J 3 J 2	J 3 J 4	- A 2
S4442	11-12	270-273	-	May 8	May 8			C 3
S4443	7-8	187-190	May 10	May 9	May 12		A 1 D 5	C 3 J 2
S4444	12-13	246-252	-	May 11	May 11			C 3
S4445	12-15	146-151	-	May 14	May 17			D13 D 7 - J 2
S4446	15-16	49-53	May 20	May 15	May 24	J 2 - J 2 C 5 C 6	- C 3	- J 2 J 2
S4447	12	96	May 17	May 17	May 17		A 1	
S4448	13-16	86-91	May 17	May 17	May 19		C 5 C11	B 6
S4449	8-15	348-6	May 24	May 18	May 30	B 2 F16 - F33 - F39	F44 F42	C28 - C15 C 5 J 3
S4450	17	94	-	May 19	May 19			A 1
S4451	7-14	334-341	May 25	May 21	May 29	D 7 - C21 C15	D19 D14	- C 7 B 4
S4452	7	73	-	May 23	May 24			A 2 A 1
S4453	16	0	-	May 23	May 23		A 1	
S4454	18	332	-	May 24	May 24			A 1
S4455	11-15	243-257	Jun. 1	May 26	Jun. 7	J 2 - E 9 E16 E19 -	E17 E17	- G 8 G10 C 3 J 2
S4456	19	307	May 28	May 28	May 28		A 2	
S4457	17	257	-	May 28	May 28		A 1	
S4458	9-11	287-290	May 29	May 29	May 30		B 3 B 3	

TABLE OF SUNSPOT GROUPS
JULY 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N4991	7-8	122-125	Jul. 8	Jul. 3	Jul.10	J 4 D 5 J 4 - A 1	-	- B 6
N4992	1-2	109-111	-	Jul. 3	Jul. 7	A 1 J 2 J 3 - J 2		
N4993	8	168	-	Jul. 7	Jul. 7			A 2
N4994	8	157	-	Jul. 7	Jul. 7			A 1
N4995	8-9	42-46	-	Jul.20	Jul.20			
N4996	1	209-212	-	Jul.24	Jul.25	B 2 A 1		B 3
S4467	5-12	104-113	Jul. 9	Jul. 4	Jul.12	D 8 D 8 - D 7 -	-	D13 D 8 C 9
S4468	1	102	-	Jul. 4	Jul. 5	A 1 A 1		
S4469	9-10	58-67	Jul.12	Jul.10	Jul.15		D 9 D 8 D 8	- C 4 J 3
S4470	7-8	27-30	Jul.15	Jul.10	Jul.15	A 1 A 1 A 1 - C 5	B 2	
S4471	16-17	357-2	-	Jul.12	Jul.15	J 2 - A 1 B 2		
S4472	7-8	306-317	Jul.21	Jul.19	Jul.26		B 3 J 2	- C11 C 7 D 5 C 6 J 2
S4473	15-17	316-323	Jul.20	Jul.20	Jul.20		B 2	
S4474	16	216	Jul.28	Jul.23	Jul.30	J 2 J 2 J 2 J 2 J 2	J 2	A 1 A 1
S4475	20	213-215	-	Jul.29	Jul.30			A 2 A 1
S4476	16-17	112-116	-	Jul.31	Aug. 4	J 2 - C 4 C 7 B 4		

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AUGUST 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N4997	5-7	45-55	Aug.10	Aug. 4	Aug.15	A 3 J 2 B 3 - C16 C25	D21	D17 D 8 - B 5 A 1
N4998	8	115	-	Aug. 8	Aug. 8			A 1
N4999	12	44	Aug.10	Aug. 8	Aug.11	A 1 ..	A 1 A 1	
N5000	11	41	-	Aug.12	Aug.12			A 1
N5001	1-2	11-15	Aug.12	Aug.12	Aug.16		A 3 -	B 5 B 2 A 1
N5002	12	334	Aug.15	Aug.15	Aug.15		A 1	
N5003	4	24	-	Aug.16	Aug.18			A 1 .. J 2
S4477	0	55	-	Aug. 6	Aug. 6	A 1		
S4478	9	244	Aug.22	Aug.17	Aug.26	J 2 J 2 J 2 J 2 J 2	-	J 2 J 2 J 2 A 1
S4479	12-16	218-224	Aug.24	Aug.20	Aug.29	A 1 .. - B 3	D 7	D12 B13 - C10 J 2
S4480	5-8	130-137	Aug.30	Aug.25	Sep. 6	A 1 C 7 - C13 D17	D21	D23 D29 D24 D19 D18 C 6 A 1

TABLE OF SUNSPOT GROUPS
SEPTEMBER 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N5004	8	67	-	Sep. 1	Sep. 1	A 1		
N5005	3	33	-	Sep. 2	Sep. 5	A 1 A 1 A 1 A 1		
N5006	0-2	49-51	Sep. 6	Sep. 3	Sep. 6	J 3 A 1 C 8	J 4	
N5007	10	105-107	-	Sep. 6	Sep. 8			A 2 - B 4
S4481	11-13	93-101	-	Sep. 3	Sep. 6			C 7 D 11 D 6 C 3
S4482	2	50	-	Sep. 3	Sep. 4	A 1 A 1		
S4483	1	29	-	Sep. 8	Sep. 8			
S4484	4	333	-	Sep. 8	Sep. 11	A 2 - J 2 A 1	A 1	
S4485	8	246	-	Sep. 22	Sep. 23			A 1 A 1

TABLE OF SUNSPOT GROUPS
OCTOBER 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Lati- tude	Longi- tude						
N5008	2- 5	190-201	Oct.19	Oct.15	Oct.25	B 2 D11 - E14	-	- C 9 C 4 J 2 J 2 J 2
N5009	0	186-188	-	Oct.21	Oct.21		A 2	
S4486	4- 5	334-337	Oct. 9	Oct. 9	Oct. 9		D 5	

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NOVEMBER 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Latitude	Longitude						
N5010	14-15	256-262	Nov.11	Nov. 9	Nov.14			
N5011	16-19	147-152	-	Nov.21	Nov.25			
S4487	9-11	47-50	-	Nov. 4	Nov. 5			
S4488	16	281	-	Nov. 5	Nov. 5			
S4489	6	176	Nov.17	Nov.14	Nov.17			
S4490	10-13	50-63	Nov.26	Nov.21	Dec. 2			
S4491	11-12	138-141	-	Nov.23	Nov.23			
S4492	12	46	-	Nov.25	Nov.25			
S4493	11-12	35-41	Nov.28	Nov.25	Dec. 3			

J 5 C 9

-

D10 A 5 B 6

C10 C 3 D 6 J 2

D 5 A 1

A 1

A 1 - J 2 J 2

D 4 G 5 G 6 - E19 E16

G12 E20 E15 G 8 - D 6

D 5

A 1

D 7 D 9 C 7

C 7

C 4 .. - A 1 A 1

TABLE OF SUNSPOT GROUPS

DECEMBER 1984

Group NO.	Heliographic		C.M. Passage	First Obs.	Last Obs.	E-Side	C.M.	W-Side
	Lati-tude	Longi-tude						
N5012	16-17	259-264	-	Dec. 3	Dec.10	A 1 D 6 D 5 - A 1	..	.. A 1
N5013	14-17	145-148	Dec.17	Dec.13	Dec.21	A 2 B 3 B 3 -	D 8	- J 2 J 2 J 2
N5014	7	106	-	Dec.21	Dec.21			A 1
S4494	7	291	-	Dec. 3	Dec. 4	A 1 A 1		
S4495	4-	5262-266	Dec. 8	Dec. 5	Dec. 9	A 1 - D 6	J 5	J 4
S4496	10	233	-	Dec. 8	Dec. 9	J 2 A 2		
S4497	12-14	217-222	-	Dec.13	Dec.17			D11 D 7 D 7 - D 4
S4498	5- 7	41-45	Dec.25	Dec.24	Dec.26	A 2	C 3	B 3
S4499	11	348-351	Dec.29	Dec.25	Dec.31	B 2 C 3 A 1 -	A 3	A 1 A 1