

Sunspot Index Data Center

SUNSPOT BULLETIN

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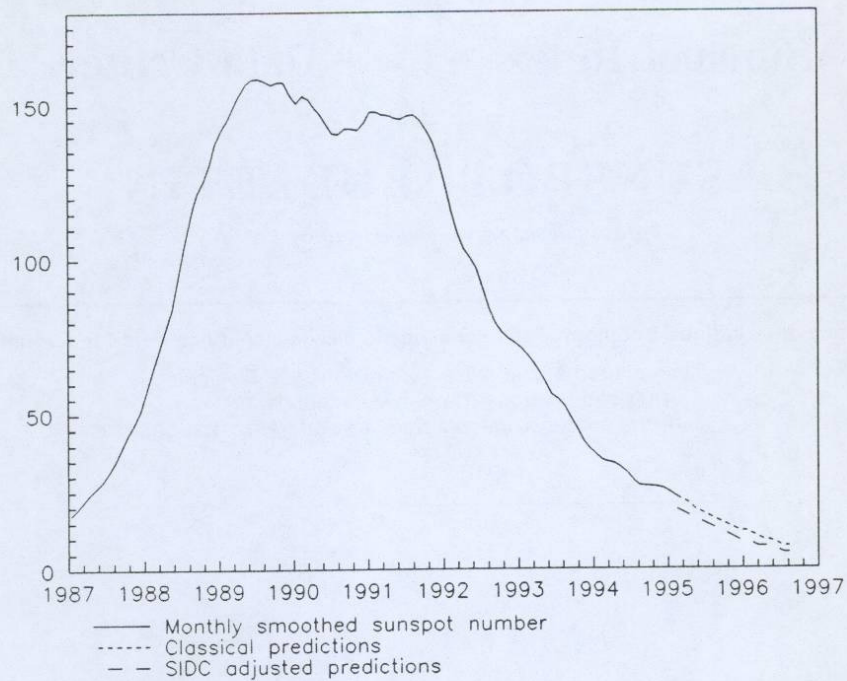
1995

n° 8

Provisional international and normalized hemispheric daily sunspot numbers for August 1995

computed at the *Observatoire Royal de Belgique*
using observations from an international network
with the *Locarno Specola Solare* as reference station.

Date	R' _I	R' _N	R' _S
1	14	14	0
2	15	15	0
3	17	17	0
4	16	16	0
5	16	16	0
6	22	17	5
7	21	14	7
8	13	13	0
9	9	0	9
10	10	10	0
11	11	11	0
12	9	0	9
13	9	0	9
14	0	0	0
15	15	8	7
16	21	21	0
17	13	7	6
18	10	5	5
19	0	0	0
20	8	0	8
21	0	0	0
22	8	8	0
23	15	15	0
24	31	18	13
25	30	17	13
26	41	30	11
27	32	23	9
28	24	24	0
29	14	14	0
30	13	13	0
31	11	11	0
Monthly mean :	15.1	11.5	3.6
Cooperating stations :	43	25	25



Predictions of the smoothed monthly Sunspot Numbers

based on the most recent provisional monthly smoothed Sunspot Number calculated for February 1995 : 23.1 ($\pm 5\%$)

Classical Method

1995 Mar.	22(± 3)	1995 Sep.	15(± 3)	1996 Mar.	10(± 3)
Apr.	21	Oct.	14	Apr.	9
May	19	Nov.	13	May	9
Jun.	18	Dec.	12	Jun.	8
Jul.	17	1996 Jan.	12	Jul.	7
Aug.	16	Feb.	11	Aug.	7

SIDC Adjusted values

1995 Mar.	18(± 2)	1995 Sep.	12(± 2)	1996 Mar.	7(± 2)
Apr.	17	Oct.	11	Apr.	7
May	16	Nov.	10	May	7
Jun.	15	Dec.	9	Jun.	6
Jul.	14	1996 Jan.	8	Jul.	5
Aug.	13	Feb.	8	Aug.	5

Brussels, September 1, 1995.

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S.I.D.C. SUMMARY OF THE URSIGRAMS

1995 AUGUST $R'_{1M} = 15.1$

Date	R' ₁	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
31	10	2	35	071	995	0	0/0	8		
1	14	8	35	073	999	0	0/0	6		
2	15	4	35	074	995	1	0/0	6	1514	
3	17	7	35	073	993	0	0/0	11		
4	16	5	36	073	997	0	0/0	6	1654	
5	16	2	36	075	999	0	0/0	8		
6	22	18	36	075	996	0	0/0	6		
7	21	9	35	074	989	0	0/0	10		
8	13	3	33	074	991	0	0/0	28		
9	9	-	35	073	988	0	0/0	29		mgst ssc 1230
10	10	0	35	073	992	0	0/0	16		
11	11	0	34	073	994	0	0/0	8	1210	
12	9	0	34	072	995	0	0/0	10		
13	9	0	33	071	995	0	0/0	14		
14	0	-	-	070	992	0	0/0	27		
15	15	2	34	071	991	0	0/0	16		
16	21	5	33	070	992	0	0/0	8		
17	13	1	32	070	998	0	0/0	12		
18	10	-	33	072	992	0	0/0	10	1442	
19	0	0	34	072	998	0	0/0	12		
20	8	0	34	071	997	0	0/0	8		
21	0	-	34	071	995	0	0/0	3		
22	8	0	33	070	898	0	0/0	18		
23	15	4	34	074	998	2	0/0	12		
24	31	16	36	077	994	7	0/0	9		
25	30	29	34	077	995	3	0/0	14		
26	41	19	35	077	998	1	0/0	9		
27	32	15	34	080	991	2	0/0	11		
28	24	17	35	082	989	4	0/0	6		
29	14	20	35	078	988	0	0/0	12		
30	13	20	35	077	992	0	0/0	6		
31	11	24	36	076	982	1	0/0	4		

Very low solar activity.

R'₁, R'_{1M} : provisional international sunspot numbers from the S.I.D.C.

PPSI : prompt photometric sunspot index from the S.I.D.C. in 10⁻⁵ w/m² : the quantity to subtract from the mean solar constant.

600 : 600 Mhz solar flux from Humain station (Belgium).

2800 : 2800 Mhz solar flux from Ottawa (origin : Ursigrams - UGEOI group 2). "The 10.7cm Flux data are provided as a service of the National Research Council of Canada."

COS : thousands of the cosmic ray counts (origin : Ursigrams - UCOSE Kerguelen).

SFI : From October 1992, Solar Flare Index from the S.I.D.C. (origin : Ursigrams - UGEOI group 3).

XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOI group 2; UGEOI group 5).

Ak : planetary geomagnetic index from Wingst, Germany (origin : Ursigrams).

SEA : sudden enhancements of atmospherics from Uccle & Humain (Royal Observatory, Belgium).

MAG : magnetic events from Dourbes station (Royal Meteorological Institute, Belgium).

Remarks : sid (sudden ionospheric disturbance); ssc (sudden storm commencement); mgst (magnetic storm); sfe (solar flare effect);

s-1-2-3-4 (class of flares); II-IV radio-burst; T (ten cm radio-burst); P (proton flare); p (proton event);

gle (ground level event : neutron event); si (sudden impulse); F (Forbush); SFI Evaluation (1 x Sn+10 x "1"+100 x ">1").

DEPARTEMENT DE RADIOASTRONOMIE ET PHYSIQUE SOLAIRE

UCCLE DAILY PROVISIONAL RELATIVE SUNSPOT NUMBERS FOR AUGUST 1995

DATE	UT	NUMBER		RELATIVE SUNSPOT NUMBERS			PPSI 10-3 WM-2	QUAL	OBS	
		OF GROUPS	OF SPOTS	TOTAL	NORTH	SOUTH				CENTRAL
1	703	1	9	19	19	0	19	1.3	3	DC
2	1337	1	11	21	21	0	21	1.5	4	DC
3	646	1	15	25	25	0	25	1.6	3	DC
4	653	1	10	20	20	0	20	1.5	3	DC
5	726	2	7	27	27	0	27	.7	4	DC
6	622	1	23	33	33	0	33	23.4	3	ST
7	744	2	11	31	20	11	31	21.6	2	DC
8	817	1	10	20	20	0	0	1.2	2	DC
9	854	0	0	0	0	0	0	.0	4	DC
10	650	0	0	0	0	0	0	.0	4	DC
11	700	1	1	11	11	0	11	.4	4	PC
12	726	0	0	0	0	0	0	.0	4	PC
13	836	0	0	0	0	0	0	.0	2	PC
14	810	0	0	0	0	0	0	.0	4	PC
15	815	0	0	0	0	0	0	.0	3	PC
16	747	2	11	31	18	13	31	1.7	3	VI
17	725	1	1	11	0	11	11	.3	2	VI
18	745	0	0	0	0	0	0	.0	3	VI
19	745	0	0	0	0	0	0	.0	4	FC
20	810	0	0	0	0	0	0	.0	3	FC
21	720	0	0	0	0	0	0	.0	2	DC
22	1355	1	1	11	11	0	11	.4	2	DC
23	827	1	8	18	18	0	18	1.6	3	DC
24	925	2	12	32	16	16	32	28.0	1	DC
25	1255	3	14	44	28	16	0	42.6	2	DC
28	808	2	9	29	29	0	0	21.5	1	DC
30	757	1	10	20	20	0	20	28.4	2	VI
31	1004	1	2	12	12	0	12	31.2	2	DC

The Sun has been observed 28 days on 31 possible.
The relative mean sunspot number is 14.8.

NORMALISED UCCLE OBSERVATIONAL SUNSPOT NUMBERS $U'=K'U$ FOR AUGUST 1995

$$K' = 0.791 (*)$$

1	15	7	24	13	0	19	0	25	34
2	16	8	15	14	0	20	0	26	***
3	19	9	0	15	0	21	0	27	***
4	15	10	0	16	24	22	8	28	22
5	21	11	8	17	8	23	14	29	***
6	26	12	0	18	0	24	25	30	15
								31	9

The Sun has been observed 28 days on 31 possible.
The normalized relative monthly mean Wolf number is 11.

* K' is the mean of the monthly K 's for the last five years.

UCCLE OBSERVATIONAL MAJOR SUNSPOT GROUPS FOR AUGUST 1995
E AND F BRUNNER'S TYPE GROUPS

NONE

PROBABLE RETURN OF MAJOR GROUPS FOR SEPTEMBER 1995

NONE