



SUNSPOT - BULLETIN

1982 , No. 8

Provisional Sunspot - Numbers for *august* 1982

Dependent on observations at Locarno Specola Solare ,
 complemented by an international network and
 determined at the Observatoire Royal de Belgique.

26 cooperating stations

Day	R _I	Day	R _I
1	55	16	86
2	68	17	93
3	68	18	105
4	81	19	91
5	97	20	77
6	128	21	79
7	144	22	90
8	150	23	71
9	161	24	79
10	155	25	101
11	157	26	98
12	138	27	104
13	113	28	120
14	100	29	132
15	100	30	134
		31	109

Mean = 105.9

Predictions of the smoothed
 monthly Sunspot - Numbers

Classical method				SIDC Adjusted values			
1982	Sep. 105	1982	Dec. 97	1982	Sep. 113	1982	Dec. 105
	Oct. 103	1983	Jan. 95		Oct. 111	1983	Jan. 103
	Nov. 100		Feb. 93		Nov. 108		Feb. 101

Brussels , September 1 , 1982
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OBSERVATOIRE ROYAL DE BELGIQUE

DEPARTEMENT 4 RADIOASTRONOMIE ET PHYSIQUE SOLAIRE

NOMBRES RELATIFS DE WOLF JOURNALIERS

SUNSPOT RELATIVE NUMBERS

STATION UCCLE BELGIUM

AOUT 1982

DATE	TU	NOMBRE DE GROUPES	NOMBRE DE TACHES	NOMBRE DE WOLF	PPSI 10-6 WM-2	QUALITE	OBSER
1	0920	4	47	87	406.	3	CG
2	0743	5	40	90	679.	2	HB
3	1130	5	29	79	710.	1	HB
5	0912	4	19	59	874.	2	GE
6	0743	5	56	106	1102.	2	GE
7	1320	10	136	236	1686.	2	CG
8	0850	9	54	144	1096.	1	GE
9	1420	10	131	231	1787.	3	AK
10	1206	8	80	160	1822.	2	HB
11	1130	10	107	207	2116.	3	AK
12	0825	8	89	169	1069.	3	AK
13	1550	5	67	117	1194.	2	AK
14	0950	6	57	117	1254.	2	CG
15	1120	6	51	111	1021.	1	CG
16	0955	5	53	103	971.	2	AK
17	1153	6	40	100	833.	2	HB
18	0705	7	38	108	878.	2	HB
19	0758	5	39	89	572.	2	HB
20	0750	5	28	78	374.	1	HB
23	0700	3	31	61	621.	2	HB
24	1145	4	33	73	637.	2	GE
25	0835	5	37	87	1040.	1	HB
26	1514	5	50	100	1120.	2	GE
27	0620	6	42	102	1094.	2	HB
28	0829	8	48	128	1008.	2	GE
29	0757	9	61	151	1077.	3	PC
30	0844	9	47	137	747.	3	HB
31	0925	9	29	119	463.	2	HB

LE SOLEIL A ETE OBSERVE 28 JOURS SUP 31 POSSIBLES
 LE NOMBRE RELATIF DE WOLF MOYEN EST DE 119.6
 EDITEUR RESPONSABLE
 A. KOECKELNBERGH
 OBSERVATOIRE ROYAL DE BELGIQUE
 UCCLE BELGIUM

NORMALISED UCCLE OBSERVATIONAL SUNSPOT NUMBERS

U'=K'U FOR 1982				AUGUST					
K' = 1.000 (*)									
1	94	7	257	13	127	19	97	25	94
2	98	8	156	14	127	20	85	26	108
3	86	9	251	15	120	21	***	27	111
4	***	10	174	16	112	22	***	28	139
5	64	11	225	17	108	23	66	29	164
6	115	12	184	18	117	24	79	30	149
								31	129

THE SUN WAS OBSERVED 28 DAYS ON 31 POSSIBLE
 THE NORMALISED RELATIVE MONTHLY MEAN WOLF NUMBER IS 129

* K' IS THE MEAN OF THE MONTHLY K'S FOR THE LAST FIVE YEARS

UCCLE OBSERVATIONAL MAJOR SUNSPOTS FOR 1982 AUGUST
 E AND F BRUNNER'S TYPE GROUPS

UCCLE NO	EAST LIMB		DATE AND TYPE			WEST LIMB		
	DATE	IST	OBS	CMP	LAST OBS	DATE		
2-1725	8	3.5	5	G	8 10.2	16	J	8 17.0
11-1725	8	8.9	13	D	8 15.6	20	G	8 22.4

PROBABLE RETURN OF MAJOR GROUPS FOR 1982 SEPTEMBER

NO	NEW EAST LIMB	NEW CMP	NEW WEST LIMB
2	8 31.8	9 7.5	9 14.3
11	9 4.8	9 11.6	9 16.3