

SUNSPOT - BULLETIN

1982 , No. 5

Provisional Sunspot - Numbers for MAY 1982

Dependent on observations at Locarno Specola Solare ,
 complemented by an international network and
 determined at the Observatoire Royal de Belgique.
 Twenty three cooperating stations on June 1st , 0930 UT.

Day	R _I	Day	R _I
1	63	16	69
2	57	17	76
3	46	18	89
4	58	19	110
5	63	20	112
6	64	21	98
7	69	22	121
8	89	23	107
9	47	24	110
10	53	25	88
11	58	26	117
12	75	27	130
13	78	28	108
14	58	29	102
15	52	30	66
		31	89

Mean = 81,4

Predictions of the smoothed
 monthly Sunspot - Numbers

Classical method			SIDC Adjusted Values		
1982 Jun. 124	Sep. 116		1982 Jun. 137	Sep. 129	
Jul. 122	Oct. 113		Jul. 135	Oct. 126	
Aug. 119	Nov. 110		Aug. 132	Nov. 123	

Brussels , June 1st , 1982
 A . Koeckelenbergh .

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S.I.D.C. OBSERVATIONS

1963 MAY 1971 83 4

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
R_{Im}	63	57	46	58	63	64	69	69	47	53	58	75	78	58	52
PPSI	64	68	106	79	100	124	137	111	127	92	67	59	56	53	65
10,7cm	149	145	145	142	146	150	148	148	137	128	130	130	127	129	129
XFI	9	16	13	14	2	5	2	2	2	3	2	17	2	0	0
XI	0/0	1/0	0/0	1/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	1/0	0/0	0/0	0/0
A_K	20	26	35	16	13	7	7	6	6	6	12	6	8	12	20

510

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
R_{Im}	69	76	89	108	112	98	129	107	110	66	147	130	108	102	56	89
PPSI	98	118	114	124	177	162	105	124	80	55	81	105	144	147	115	83
10,7cm	136	142	143	152	155	165	163	155	147	142	154	171	171	170	139	133
XFI	5	5	23	13	22	36	36	31	6	22	42	25	59	149	7	29
XI	1/0	0/0	1/0	0/0	1/0	2/0	0/0	2/0	0/0	0/0	1/0	0/0	4/0	4/1	4/0	1/0
A_K	13	15	21	14	10	10	5	3	5	12	24	41	25	30	21	32

510
20

535

2h

- R_{Im} : provisional International monthly Sunspot-Number from the S.I.D.C.
- R_I : provisional International daily Sunspot-Number from the S.I.D.C.
- PPSI : Pongst Photometric Sunspot Index from the S.I.D.C. in $10^{-5}W.m^{-2}$. (quantity to subtract as the mean solar constant due to the presence of sunspots .)
- 10,7 cm : 2800 Mhz solar flux from the ursigrams , in $10^{-22}W.m^{-2}Hz^{-1}$
- XFI : X-flare Index from S.I.D.C. on the base of the ursigrams . XFI number of B class flares $2a + nb$ of M x 10 + $2b$ of X x 100 . (Class notes: 2a: no soft X rays ; b: assoc with soft X rays ; X class with import. X flux .)
- XI : X-flare Index from ursigrams (nb. of M-flares / nb. of X)
- A_K : Geomagnetic Index of Wignst from ursigrams .

OBSERVATOIRE ROYAL DE BELGIQUE

DEPARTEMENT 4 RADIOASTRONOMIE ET PHYSIQUE SOLAIRE

NOMBRES RELATIFS DE WOLF JOURNALIERS

SUNSPOT RELATIVE NUMBERS

STATION UCCLE BELGIUM

MAI 1982

DATE	TU	NOMBRE DE GROUPES	NOMBRE DE TACHES	NOMBRE DE WOLF	PSPI 10-6 WM-2	QUALITE	OBSER
2	0915	5	24	74	433.	2	CG
4	0655	4	17	57	612.	2	GE
6	1720	4	32	72	1109.	2	AK
7	1015	4	38	78	1265.	3	HB
8	0855	5	48	98	1105.	2	AK
9	1000	3	23	53	1270.	2	CG
10	1430	5	35	85	922.	3	AK
11	0655	5	27	77	660.	2	GE
12	1330	7	21	91	613.	4	AK
13	0754	8	16	96	643.	2	GE
14	1425	6	9	69	593.	1	GE
15	0818	5	11	61	720.	3	HB
16	1100	7	20	90	952.	2	CG
17	1120	5	20	70	1047.	2	CG
19	0755	9	38	128	1233.	2	GE
21	1344	6	21	81	989.	2	PC
23	0805	7	27	97	851.	1	HB
24	0730	7	25	95	748.	1	GE
25	1211	6	17	77	688.	1	GE
26	0950	8	83	163	1112.	3	AK
27	0843	7	46	116	1353.	1	GE
28	1244	7	47	117	1407.	1	GE
29	1000	7	63	133	1487.	2	CG
30	0738	7	33	103	1437.	2	GE
31	0550	10	32	132	1045.	2	GE

LE SOLEIL A ETE OBSERVE 25 JOURS SUR 31 POSSIBLES
 LE NOMBRE RELATIF DE WOLF MOYEN EST DE 92.5
 EDATEUR RESPONSABLE
 A. KOECKELENBERGH
 OBSERVATOIRE ROYAL DE BELGIQUE
 UCCLE BELGIUM

