

SUNSPOT - BULLETIN

1982 , No. 3

Provisional Sunspot - Numbers for MARCH 1982

Dependent on observations at Locarno Specola Solare ,
 complemented by an international network and
 determined at the Observatoire Royal de Belgique.
 Twenty six cooperating stations on 1982 April 1st
 on 9h UT.

Day	R _I	Day	R _I
1	167	16	156
2	174	17	180
3	175	18	168
4	177	19	167
5	163	20	149
6	165	21	153
7	146	22	146
8	140	23	144
9	116	24	122
10	122	25	152
11	119	26	147
12	135	27	182
13	155	28	189
14	153	29	169
15	140	30	162
		31	132

Mean = 153 .7

Predictions of the smoothed
 monthly Sunspot - Numbers

Classical Method		SIDC Adjusted Values	
1982 Apr. 126	Jul 119	1982 Apr. 138	Jul. 131
May. 124	Aug 116	May. 136	Aug. 128
Jun. 122	Sep 113	Jun. 134	Sep. 125

Brussels , April 1st , 1982

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S.I.D.C. SUMMARY OF URSIGRAMS

1982 March $R_{im} = 153, 7$

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
R_I	167	174	175	177	163	165	146	140	116	122	119	135	155	153	140
PPSI	251	270	243	222	253	219	191	168	124	105	132	161	132	170	235
10,7cm	236	238	234	249	252	241	232	216	195	184	181	183	188	204	211
XFI	8	11	24	10	29	6	105	6	5	17	7	5	3	17	22
XI	0/0	0/0	1/0	0/0	1/0	0/0	0/1	2/0	0/0	1/0	0/0	0/0	1/0	0/0	1/0
A_K	46	20	14	12	16	2	7	13	22	16	9	10	12	14	9
	ssc		2b		sid		2b		sid		ssc				

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
R_I	156	180	168	167	149	153	146	144	122	152	147	182	189	169	162	132
PPSI	294	323	344	327	272	220	+	172	194	179	265	257	267	251	+	156
10,7cm	230	233	229	224	219	214	215	204	190	191	195	198	201	199	198	185
XFI	18	21	41	46	23	28	21	21	21	36	23	34	37	47	138	82
XI	0/0	0/0	2/0	2/0	0/0	0/0	0/0	1/0	1/0	2/0	1/0	1/0	1/0	1/0	2/1	5/0
A_K	6	14	18	12	13	26	27	23	12	21	13	8	5	12	14	18
	sid			2b		sid		2b		sid		2b		ssc		sid

Rmk : 2b : bright flare of class 2
 ssc : sudden storm commencement (mag)
 sid : sudden ionospheric disturbance .
 F// : two parallel ribbons flare .

- 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 : Prompt Photometric Sunspot Index from the S.I.D.C. in $10^{-5} W.m^{-2}$. Quantity to subtract at 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 the S.I.D.C. on the base of the ursigrams . XFI = number of C class flares $\times 10$ + nb of M $\times 10$ + nb of X $\times 100$. (C: not assoc. with signif. X rays ; M assoc with signif. X rays ; X assoc with import. X flux) .
- XI : X- flare index from ursigrams (nb. of M-flares / nb. of X)
- A_K : Geomagnetic Index of Kingst from ursigrams .