Bulletin Werkgroep Zon — Januari 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	vSloo	Sp 7	Zans	Zijle
1			0		0					
2			0		0		0			0
3				0	0				0	0
4	13		0	0	0		25	0		0
5	14		12	24	0		14	13	13	
6										
7	0			0	0		0			
8										
9	0				0					
10									0	
11	11		12		0				12	0
12	0		0		0		0		0	
13	0									
14			17		12					
15										
16	17		18	18	14		26	19	18	
17	31		29	19	13	14	36		17	16
18										
19	48		47		25	27	44	37	35	
20	49		47		23			77	42	
21	46	47	57		35		80		50	
22										
23			63		24					
24	46								47	
25										
26										
27	25				11			13	11	28
28			34		11					
29										
30	41		40	42	11		62		26	
31										
observ	15	1	15	7	19	2	10	6	13	6
k	0,93	1,17	0,85	0,84	1,85	1,60	0,68	1,03	1,16	1,09
st.dev.	0,16	—	0,13	0,32	0,55	0,06	0,15	0,37	0,32	0,49
st.d./k	0,18	—	0,15	0,38	0,30	0,04	0,22	0,36	0,27	0,44

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Iden = J.A. Idenburg [Rf 125]	vSlo = B. van Slooten [90]
Gr 6 = Mw G. Gravers [60]	Jn .9 = D. Jannink [9]	Sp 7 = T. Spaninks [75]
Groe = A. Groenewegen [102]	Jn 4 = D. Jannink [40]	Zans = W. Zanstra [Rf 155]
		Zijle = W.A. Zijlema [90]

spot Index Data Center

SUNSPOT BULLETIN

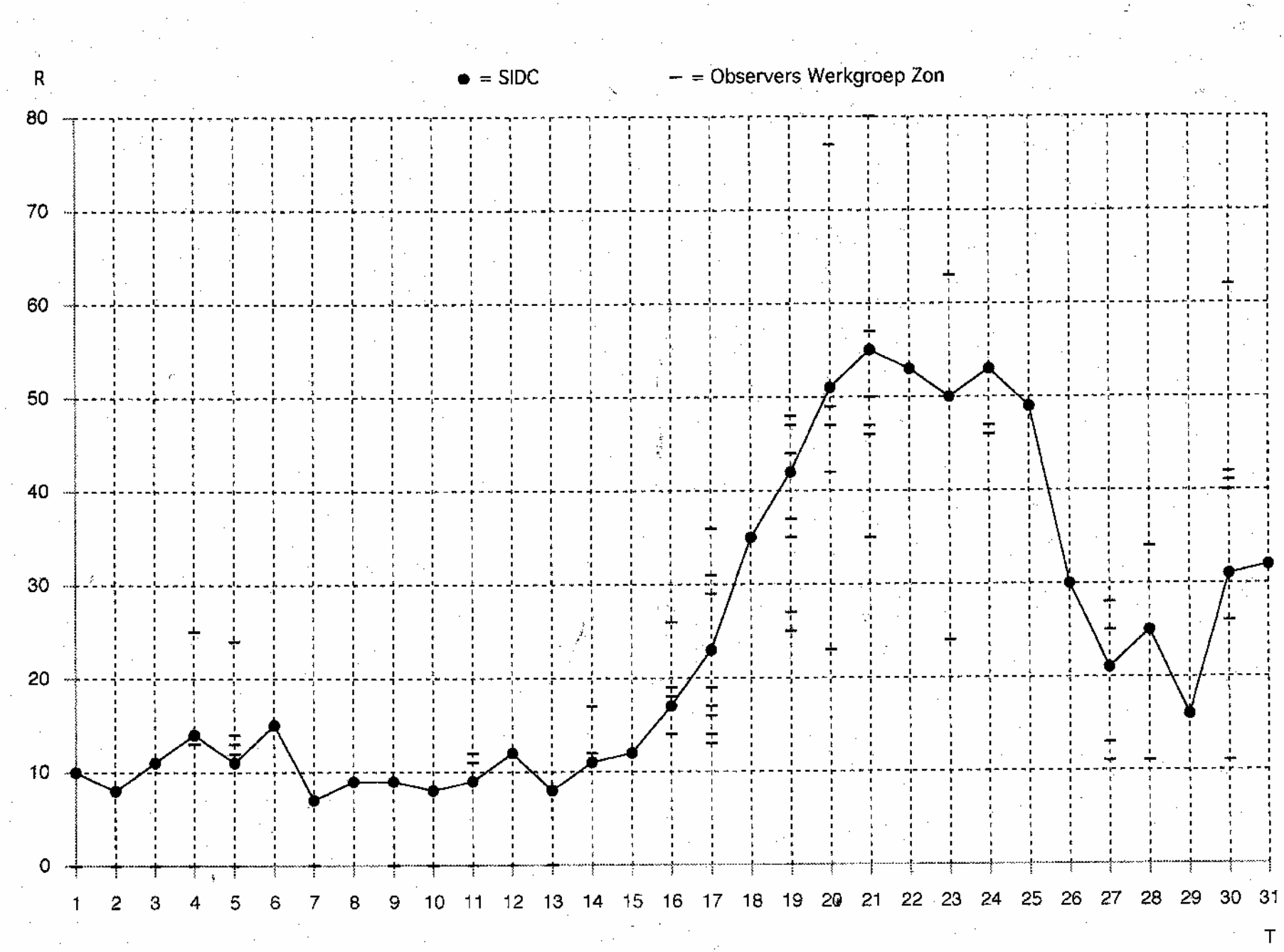
S.I.D.C. SUMMARY OF THE URSIGRAMS

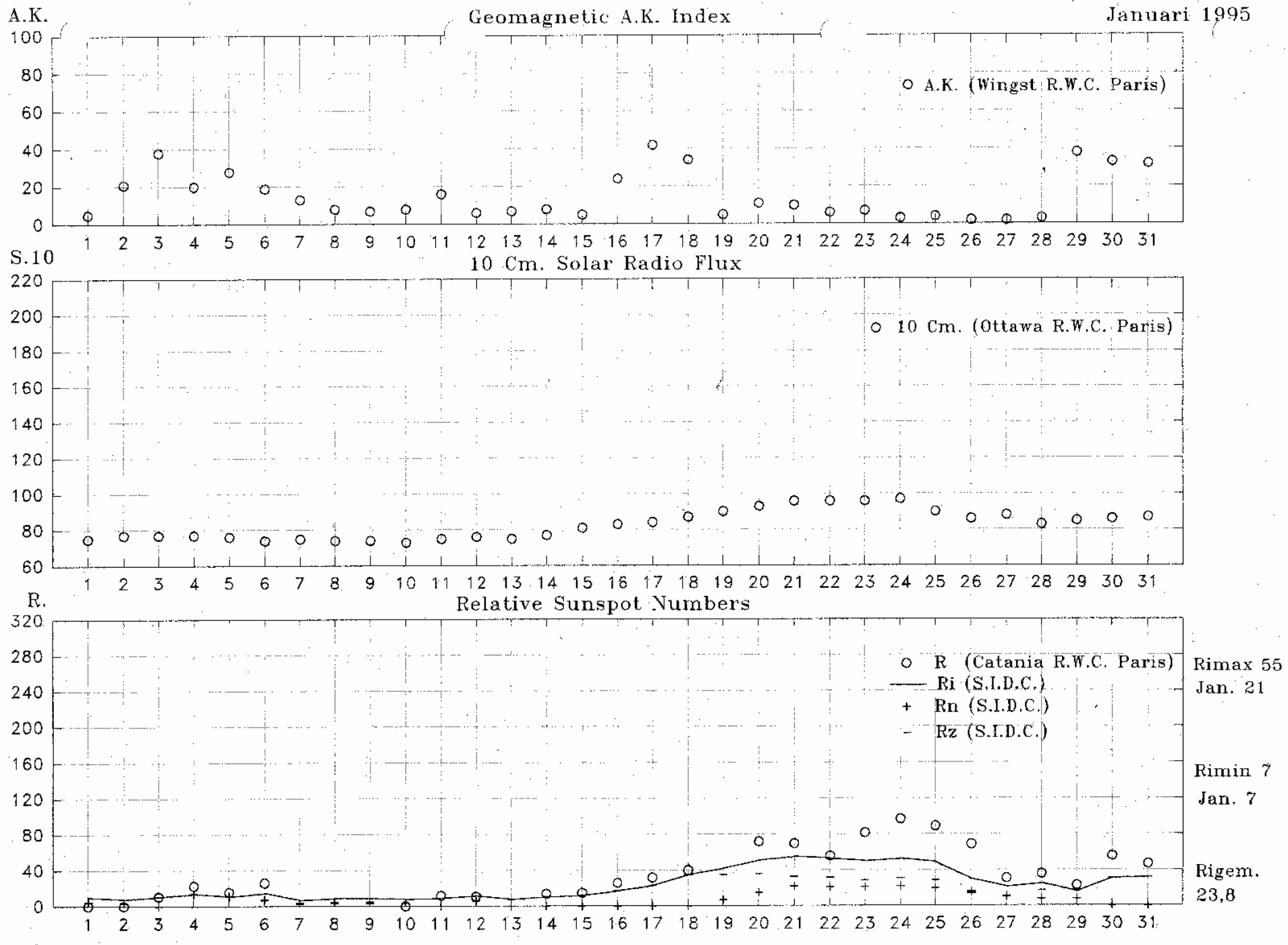
1995 JANUARY . R_{IM} = 23.8

Date	Rf	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
31	7	0	37	077	990	0	0/0	6		
1	10	0	38	075	996	0	0/0	5		
2	8	0	37	077	993	1	0/0	21		
3	11	0	38	077	990	1	0/0	38		0006,1532 bp
4	14	1	37	077	987	0	0/0	20		
5	11	2	38	076	983	0	0/0	28		
6	15	3	38	074	981	0	0/0	19		
7	7	-	38	075	984	0	0/0	13		
8	9	1	37	074	988	0	0/0	8		
9	9	1	38	074	993	0	0/0	7		
10	8	1	38	073	996	0	0/0	8		
11	9	1	38	075	998	0	0/0	16		
12	12	0	37	076	1000	0	0/0	6		
13	8	1	38	075	991	0	0/0	7		
14	11	4	38	077	993	0	0/0	6		
15	12	10	38	081	998	1	0/0	5		
16	17	15	38	083	994	1	0/0	24		
17	23	27	38	084	986	0	0/0	42		
18	35	39	38	087	990	1	0/0	34		
19	42	29	38	090	998	0	0/0	5		
20	51	41	38	093	996	6	0/0	11		
21	55	38	40	096	995	7	0/0	10		
22	53	37	40	096	997	1	0/0	9		
23	50	49	40	096	995	5	0/0	7		
24	53	62	41	097	999	24	0/0	3		
25	49	33	40	090	999	1	0/0	4		
26	30	32	39	086	997	15	0/0	2	1525	
27	21	12	37	088	990	23	0/0	2		
28	25	10	38	083	988	13	0/0	3		
29	16	7	38	085	990	7	0/0	38		
30	31	6	39	086	986	6	0/0	33		
31	32	12	40	087	988	27	0/0	32		

Very low activity , slightly increasing from 19.

Rf, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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 $n*10 x "1"=>100 x ">1").


R
● = SIDC
– = Observers Werkgroep Zon
80
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
Geomagnetic A.K. Index
Januari 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 55
Jan. 21
Rimin 7
Jan. 7
Rigem.
23,8

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

januari 1995

	S.I.D.C.		Balster		Idenburg		Jannink 40		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	5	5										
2	4	4							0	0		
3	0	11			0	0						
4	14	0	13	0	0	0			13	12	0	0
5	11	0	14	0	24	0			14	0		
6	8	7										
7	4	3	0	0	0	0			0	0		
8	5	4										
9	5	4	0	0								
10	4	4										
11	0	9	0	11								
12	6	6	0	0					0	0		
13	0	8	0	0								
14	0	11										
15	0	12										
16	0	17	0	17	0	18			0	26		
17	0	23	0	31	0	19	0	14	0	36		
18	0	35										
19	7	35	0	48			0	27	0	44		
20	15	36	13	36								
21	22	33	17	29					39	41		
22	21	32										
23	21	29										
24	22	31	23	23								
25	20	29										
26	16	14										
27	11	10	13	12								
28	8	17										
29	8	8										
30	0	31	0	41	0	42			11	51		
31	0	32										

Bulletin Werkgroep Zon — Februari 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	vSlo	Sp 7	Vers	Zans	Zijle
1											
2	41		40	31	12	15	58	46	18	31	
3	53		42		12		67				
4			42								
5											
6			44								
7											
8											
9			11	26	11		24		23	24	11
10											
11											
12	12	11	11		11	11	11		11	11	11
13					11						
14	23		23		11		37		22	22	23
15	25			22	22						
16	37				22	22					
17	42		38		22		33		27	34	43
18					24					41	
19		49					67			60	59
20				71	14		59			58	
21			41								
22	72		46	75	25		63	88	15	49	
23	58				23		56				
24										27	
25					11						
26	39	24	25	23	23		39	41	13	24	25
27	48		40	41	24			50	32	39	
28											
observ	11	3	12	7	16	3	11	4	8	12	6
k	0,80	1,10	0,99	0,90	1,82	1,73	0,76	0,67	1,55	0,94	1,02
st.dev.	0,17	0,17	0,23	0,29	0,80	0,87	0,22	0,15	0,84	0,21	0,33
st.d./k	0,22	0,15	0,23	0,32	0,44	0,50	0,29	0,23	0,54	0,22	0,32

Aanvulling Bulletin januari '95: D. Verschuuren: observ. = 6; k = 1,88; st. dev. = 0,22; st. dev. / k = 0,12.

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	Vers = D. Verschuuren [Rf 40]
Gr 6 = Mw G. Gravers [60]	Jn 4 = D. Jannink [40]	Zans = W. Zanstra [Rf 155]
Groe = A. Groenewegen [102]	vSlo = B. van Slooten [90]	Zijle = W.A. Zijlema [90]
Iden = J.A. Idenburg [Rf 125]	Sp 7 = T. Speninks [75]	

Sunspot Index Data Center

SUNSPOT BULLETIN

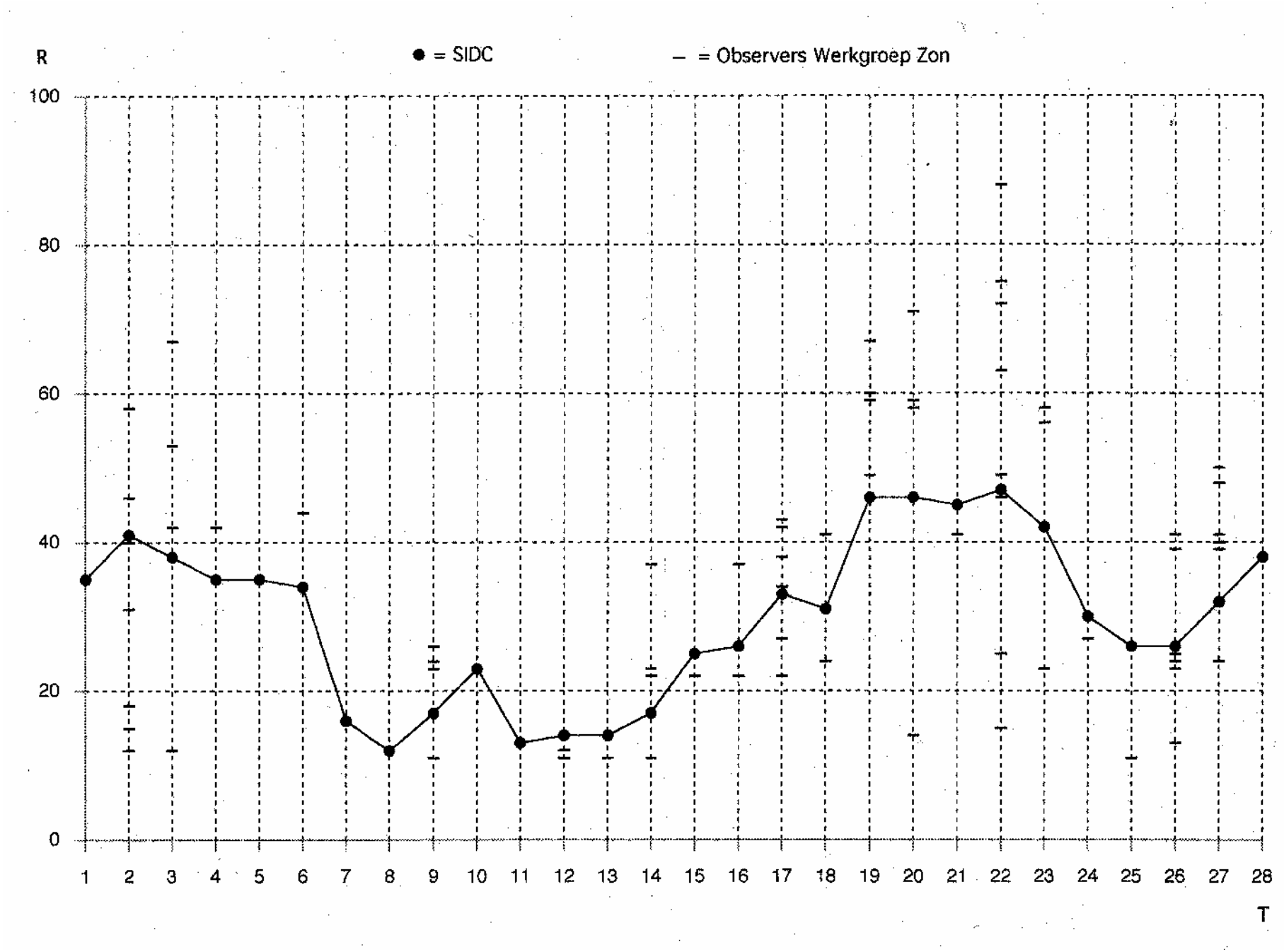
S.I.D.C. SUMMARY OF THE URSIGRAMS

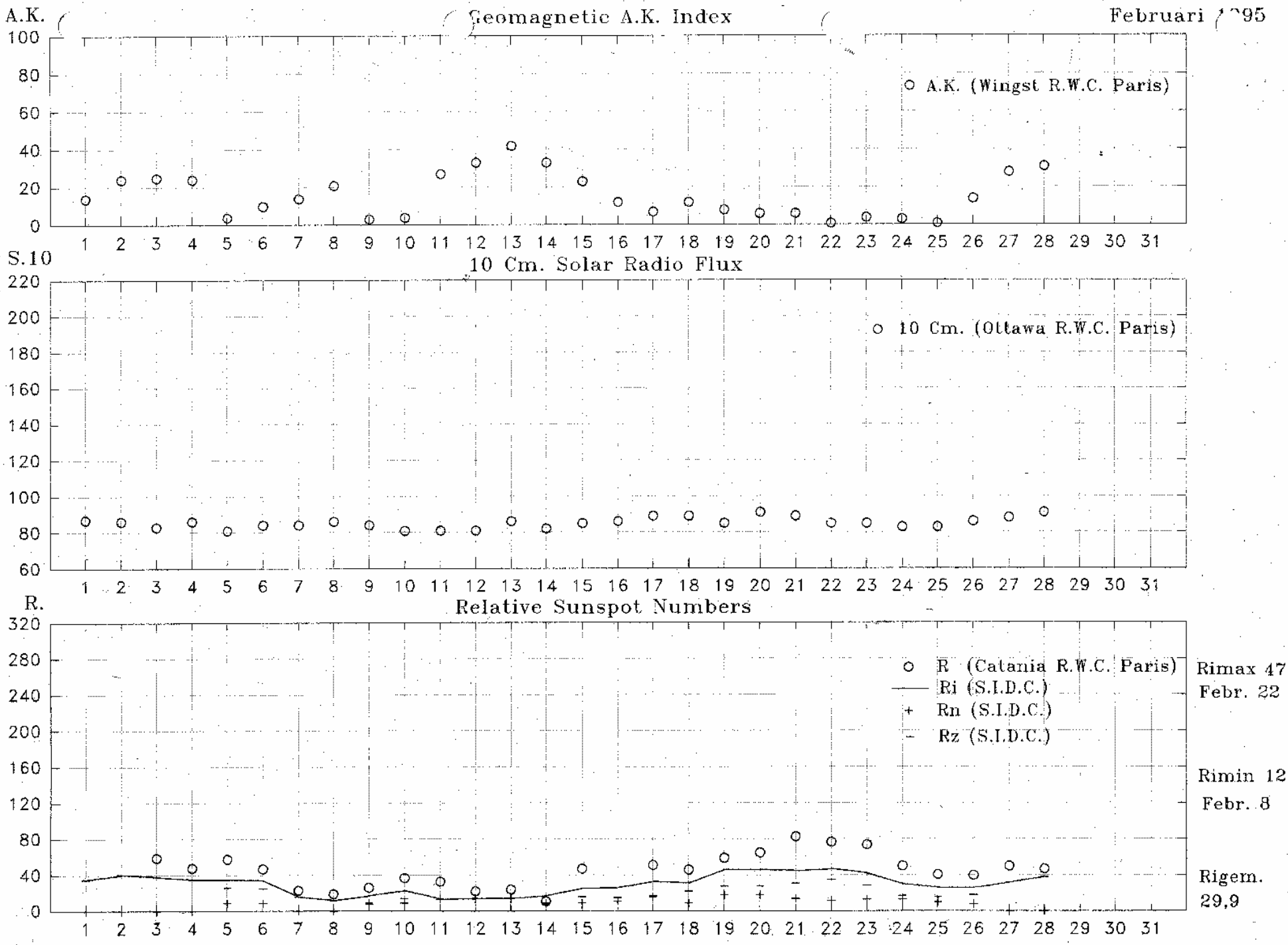
1995 FEBRUARY R_{IM} = 29.9

Date	R_I	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG	
31	32	12	40	087	988	27	0/0	32			
1	35	16	38	087	989	25	2/0	14			0819 s -1N
2	41	26	38	086	985	2	0/0	24	1300		
3	38	29	39	083	988	111	1/0	25			0135 s -2B
4	35	21	39	086	989	111	1/0	24	1544		1536 S -2B, T, SID
5	35	35	39	081	985	12	0/0	4	1350		
6	34	21	38	084	988	16	0/0	10			
7	16	17	38	084	990	2	0/0	14			
8	12	7	38	086	989	0	0/0	21			
9	17	4	40	084	991	1	0/0	3			
10	23	7	39	081	995	0	0/0	4			
11	13	9	38	081	992	1	0/0	27			
12	14	17	-	081	991	1	0/0	33			
13	14	14	40	086	992	0	0/0	42			
14	17	16	38	082	998	1	0/0	33			
15	25	24	38	085	999	1	0/0	23			
16	26	13	38	086	998	1	0/0	12			
17	33	23	39	089	998	4	0/0	7			
18	31	24	40	089	990	4	0/0	12			
19	46	34	41	095	991	6	0/0	8			
20	46	46	41	091	988	55	1/0	6	1358		
21	45	57	41	089	989	3	0/0	6			
22	47	41	41	085	-	1	0/0	1			
23	42	35	41	085	999	1	0/0	4			
24	30	10	40	083	998	0	0/0	3			
25	26	15	39	083	998	0	0/0	1			
26	26	15	39	086	999	10	0/0	14			1115 T
27	32	26	39	088	996	0	0/0	28			
28	38	39	38	091	993	1	0/0	31			

Moderate solar activity in the beginning of the month with two centers of activity, then moderate to low.

R_I, R_{IM} : 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 - UGEOR group 3).
XI : X-flares Index from the Ursigrams (X-flares/X-flares) (origin : Ursigrams - UGEOR group 2; UGEOI group 3).
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); sgmt (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 S=<10 x 10<I=<100 x I>100).


R
● = SIDC
– = Observers Werkgroep Zon
100
80
60
40
20
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
T


A.K.
Geomagnetic A.K. Index
Februari 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 47
Febr. 22
Rimin 12
Febr. 8
Rigem.
29,9

Zonnevlekkengetallen noordelijk- en zuidelijk halfrond

(Hemispheric sunspot numbers)

Februari 1995

	S.I.D.C.		Balster		Idenburg		Jannink 40		v. Slooten	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	0	35								
2	0	41	0	41	11	20	0	15	0	58
3	0	38	0	53					0	67
4	0	35								
5	9	26								
6	9	25								
7	0	16								
8	0	12								
9	8	9			13	13			11	13
10	9	14								
11	13	0								
12	14	0	12	0			11	0	11	0
13	14	0								
14	9	8	12	11					26	11
15	9	16	12	13	22	0				
16	11	15	23	14			11	11		
17	16	17	13	29					11	22
18	9	22								
19	18	28							27	40
20	18	28			47	24			29	30
21	14	31								
22	12	35	25	47	35	40			16	47
23	13	29	18	40					21	35
24	13	17								
25	10	16								
26	8	18	14	25	23	0			14	25
27	0	32	0	48	41	0				
28	0	38								

Bulletin Werkgroep Zon — Maart 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonneviekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	Scho	vSlo	Sp 7	Vers	Zans	Zijle
1			59		36			80	87			54
2	65		57		37			75	75	58	68	
3	69		57		39				91	42		
4	80	82	72		48			103	94	58	70	88
5												
6	36			53	23			37				
7	45		39	51	22	35		39	48	41	50	
8	25			37	11			27				
9	23		11	11	0			11	11	11	12	0
10	0		0	0	0			0	0	0	0	0
11	12	11	11	11	0		11	11	11		0	11
12	24	0	12		0		13	11	0		0	25
13	0		0	0	0			23	0		0	0
14	12		11		0			11	0		0	13
15	16		12	15	12			31		15	15	13
16	22		16		13	13		19	17	15	15	17
17			18		13							
18	54		32		13			55				
19	43	46	37		14		42	52	51	41	53	
20	56		42		25			55		42	54	48
21	61		42		24			58	68	27	69	
22	47		34		26	28		68	55	43		
23	64		49		27			69	55	40	37	
24	59		46		24			65		44		
25		38	41		35	36	48	65			46	
26		35	41		11							
27	39		14		13			40	26		19	13
28										28		
29	35		16		13			35		18		
30	34		22		12			31		18	28	
31												
observ	24	6	26	8	28	4	4	25	17	17	18	12
k	0,75	0,92	1,04	0,79	1,78	1,20	0,86	0,73	0,76	1,06	0,91	0,97
st.dev.	0,15	0,20	0,27	0,21	0,61	0,28	0,09	0,15	0,14	0,22	0,25	0,50
st.d./ k	0,20	0,22	0,25	0,26	0,34	0,23	0,10	0,20	0,18	0,21	0,27	0,51

Observers		[...] = Refractor, d = ... mm;		[Rf...] = Reflector, d = ... mm	
Bals	= H.A.M. Balster [70]	Jn .9	= D. Jannink [9]	Sp 7	= T. Spaninks [75]
Gr 6	= Mw G. Gravers [60]	Jn 4	= D. Jannink [40]	Vers	= D. Verschuuren [Rf 40]
Groe	= A. Groenewegen [102]	Scho	= A. Scholten [60]	Zans	= W. Zanstra [Rf 155]
Iden	= J.A. Idenburg [Rf 125]	vSlo	= B. van Slooten [90]	Zijle	= W.A. Zijlema [90]

Sunspot Index Data Center

SUNSPOT BULLETIN

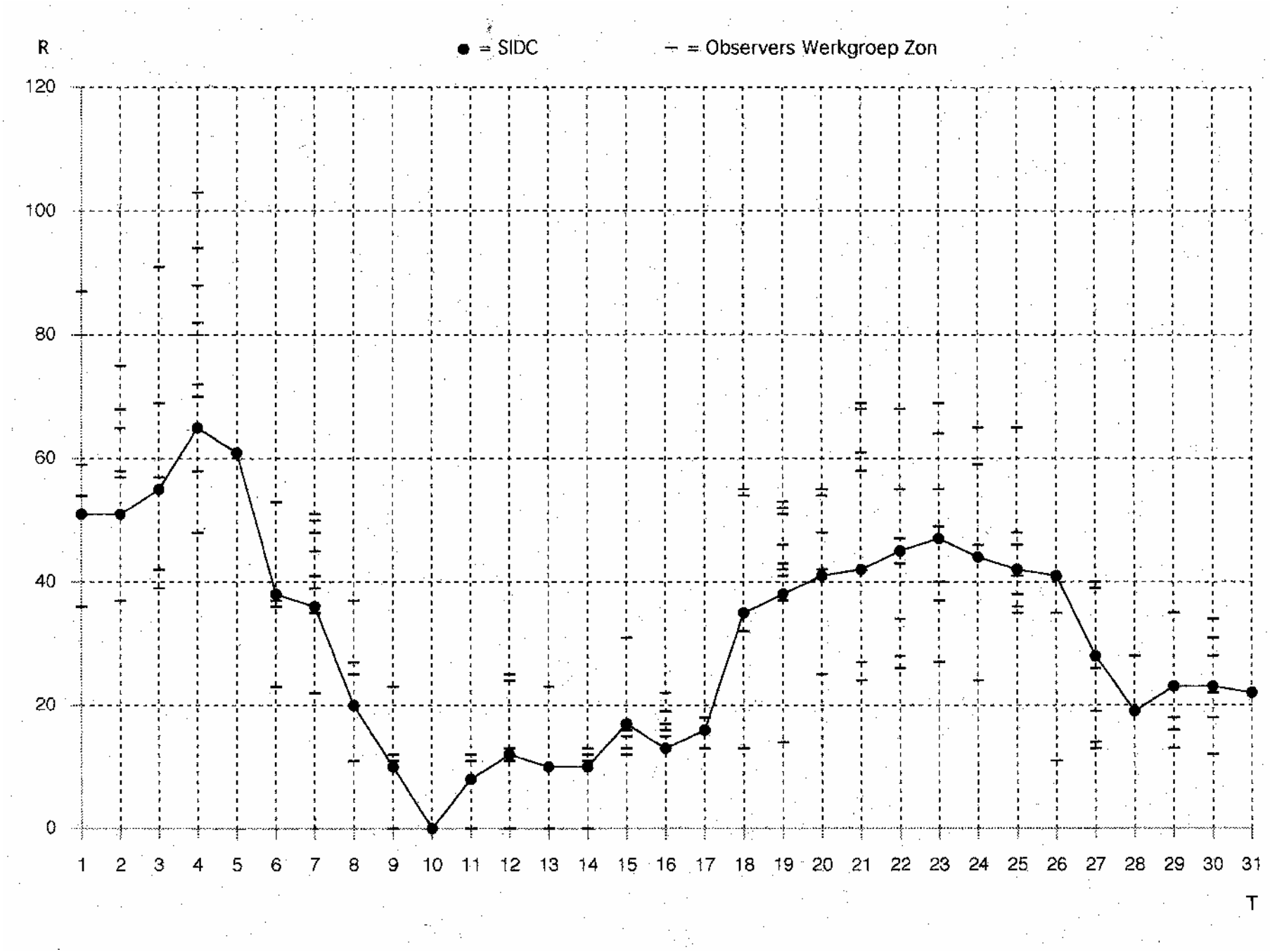
S.I.D.C. SUMMARY OF THE URSIGRAMS

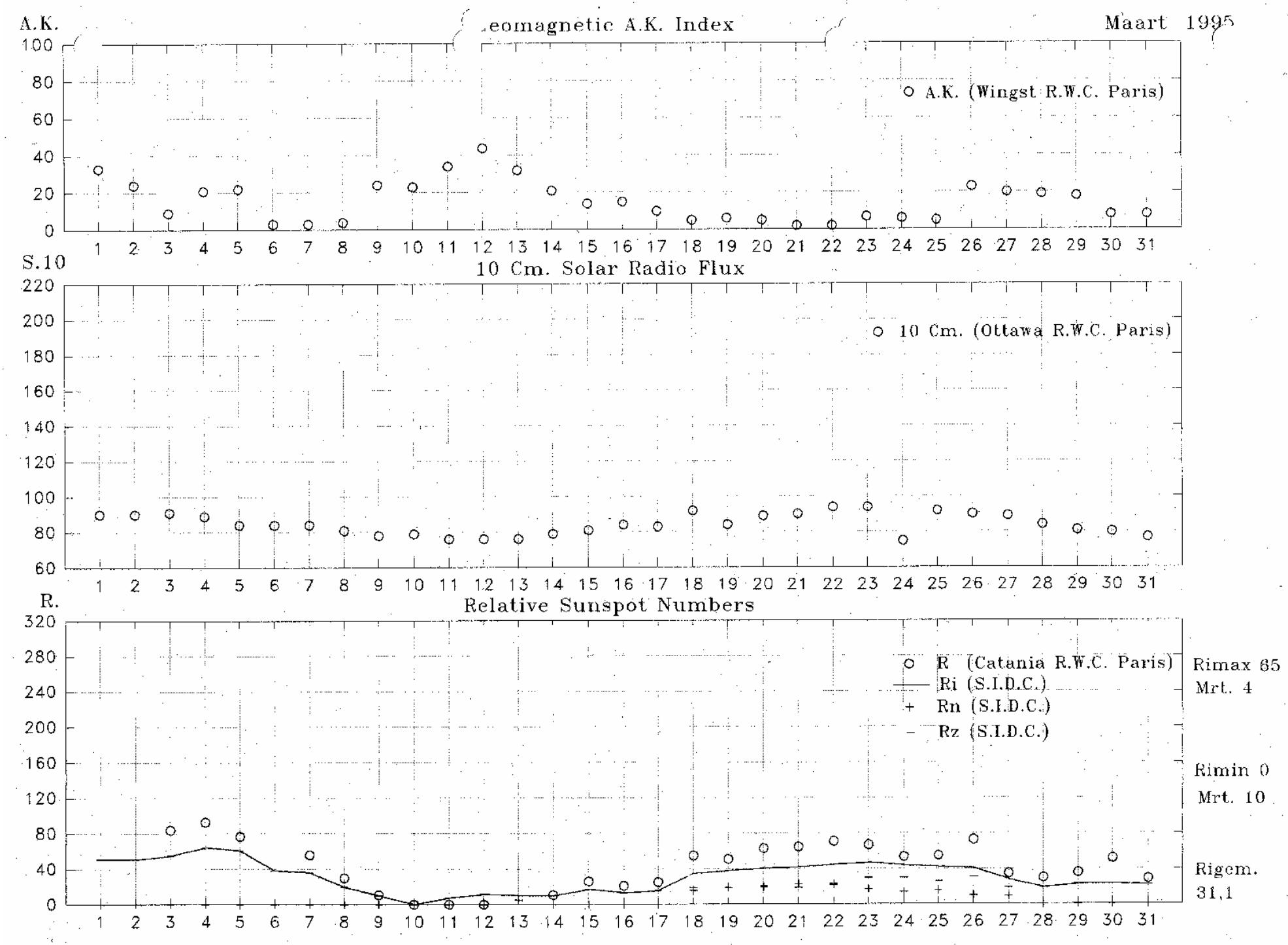
1995 MARCH R_{IM} = **31.1**

Date	Rf	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
28	38	39	38	091	993	1	0/0	31		
1	51	69	38	090	993	0	0/0	33		
2	51	58	39	090	987	0	0/0	24		
3	55	86	42	091	922	2	0/0	9		
4	65	83	40	089	983	1	0/0	25		
5	61	49	41	084	984	1	0/0	22		
6	38	34	42	084	978	10	0/0	3		
7	36	22	36	084	985	2	0/0	3		
8	20	7	36	081	998	7	0/0	4		
9	10	1	35	078	998	1	0/0	24		
10	0	-	36	079	990	0	0/0	23		
11	8	0	35	076	991	0	0/0	34		
12	12	1	36	076	981	0	0/0	44		
13	10	1	35	077	985	0	0/0	32		
14	10	2	37	079	982	2	0/0	21		
15	17	8	37	081	987	1	0/0	14		
16	13	13	37	084	991	13	0/0	15	1417	
17	16	24	37	083	996	0	0/0	10		
18	35	37	38	092	996	1	0/0	5		
19	38	51	39	084	994	0	0/0	6		
20	41	41	39	089	997	9	0/0	5		
21	42	54	40	090	996	4	0/0	2		
22	45	56	39	094	992	12	1/0	2	1407+1627	
23	47	52	39	094	999	1	0/0	7		1037(ssc)
24	44	42	38	095	986	3	0/0	6		
25	42	21	38	092	994	1	0/0	5		
26	41	23	38	090	998	6	0/0	23		
27	28	26	38	089	988	3	0/0	20		
28	19	31	39	084	988	4	0/0	19		
29	23	31	38	081	992	15	0/0	18		
30	23	33	38	080	987	1	0/0	8		
31	22	24	38	077	992	0	0/0	8		

Very low to moderate solar activity.

Rf, Rf_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
120
100
80
60
40
20
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
eomagnetic A.K. Index
Maart 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 65
Mrt. 4
Rimin 0
Mrt. 10
Rigem.
31,1

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

maart 1995

	S.I.D.C.		Balster		Idenburg		Jannink 40		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	0	51									0	80		
2	0	51	0	65							0	75		
3	0	55	0	69										
4	0	65	0	80							0	103		
5	0	61												
6	0	38	0	36	0	53					0	37		
7	0	36	0	45	0	51	0	35			0	39		
8	0	20	0	25	0	37					0	27		
9	0	10	0	23	0	11					0	11	0	11
10	0	0	0	0	0	0					0	0	0	0
11	0	8	0	12	11	0			0	11	0	11	0	11
12	0	12	0	24					0	13	0	11	0	0
13	5	5	0	0	0	0					12	11	0	0
14	0	10	0	12							0	11	0	0
15	0	17	0	16	15	0					0	31		
16	0	13	0	22			0	13			0	19		
17	0	16												
18	16	19	27	27							28	27		
19	19	19	24	19					24	18	27	25	26	25
20	20	21	29	26							28	27		
21	23	19	41	20							33	25	42	26
22	23	22	22	25			14	14			40	28	24	31
23	17	30	24	40							26	43	22	33
24	14	30	23	36							25	40		
25	16	26					12	24	30	18	31	34		
26	10	31												
27	9	19	12	27							12	28	0	26
28	0	19												
29	0	23	11	24							0	35		
30	0	23	12	22							0	31		
31	0	22												

Bulletin Werkgroep Zon — April 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	Scho	vSlo	Sp 7	Sp15	Vers	Zans	Zijle
1		14	11								12		
2	26	13	12		12			13	25			12	12
3		28	24										
4	0	13	0		0			0			0	12	
5	0	0	0		0			0			0	0	0
6					0			0				0	0
7			0		0			0					
8	0	0	0		0	0		0	0		0	0	
9	0	0			0			12		11			
10					0								
11	17	17			0			16	16			15	13
12	23	22			11			24				25	30
13	39	39		54	13		43	44				25	
14		36			14	14		53				36	45
15					28								
16	45	37			31			75	60		43	49	
17													
18		38	41		26			58				39	
19	43	39	29	49	26	31		59			36	37	
20	20	20	16	31	12			37	19		22	21	
21	17	19		14	12			20			16	14	15
22	0							13			0		
23	0				0			0	0		0	0	
24	0	0	0	0	0			0	0			0	0
25		0	0	0	0		0	0	0		0	0	0
26		0	0		0			0			0	0	0
27			0		0			0					
28		0	0		0			0					
29	0	0	0	0	0			0				0	12
30		0			0			0				0	
observ	16	22	16	7	26	3	2	25	8	1	12	20	11
k	0,83	0,94	1,22	0,75	1,70	1,91	0,72	0,73	0,85	0,73	1,08	0,99	0,90
st.dev.	0,21	0,24	0,32	0,15	0,52	1,14	—	0,20	0,32	—	0,20	0,22	0,31
st.d./k	0,25	0,26	0,26	0,20	0,30	0,60	—	0,27	0,38	—	0,19	0,23	0,34

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	Sp 7 = T. Spaninks [75]
Gr 6 = Mw G. Gravers [60]	Jn 4 = D. Jannink [40]	Sp15 = T. Spaninks [150 mm]
Groe = A. Groenewegen [102]	Scho = A. Scholten [60]	Vers = D. Verschuuren [Rf 40]
Iden = J.A. Idenburg [Rf 125]	vSlo = B. van Slooten [90]	Zans = W. Zanstra [Rf 155]
		Zijle = W.A. Zijlema [90]

Sunspot Index — Date Center

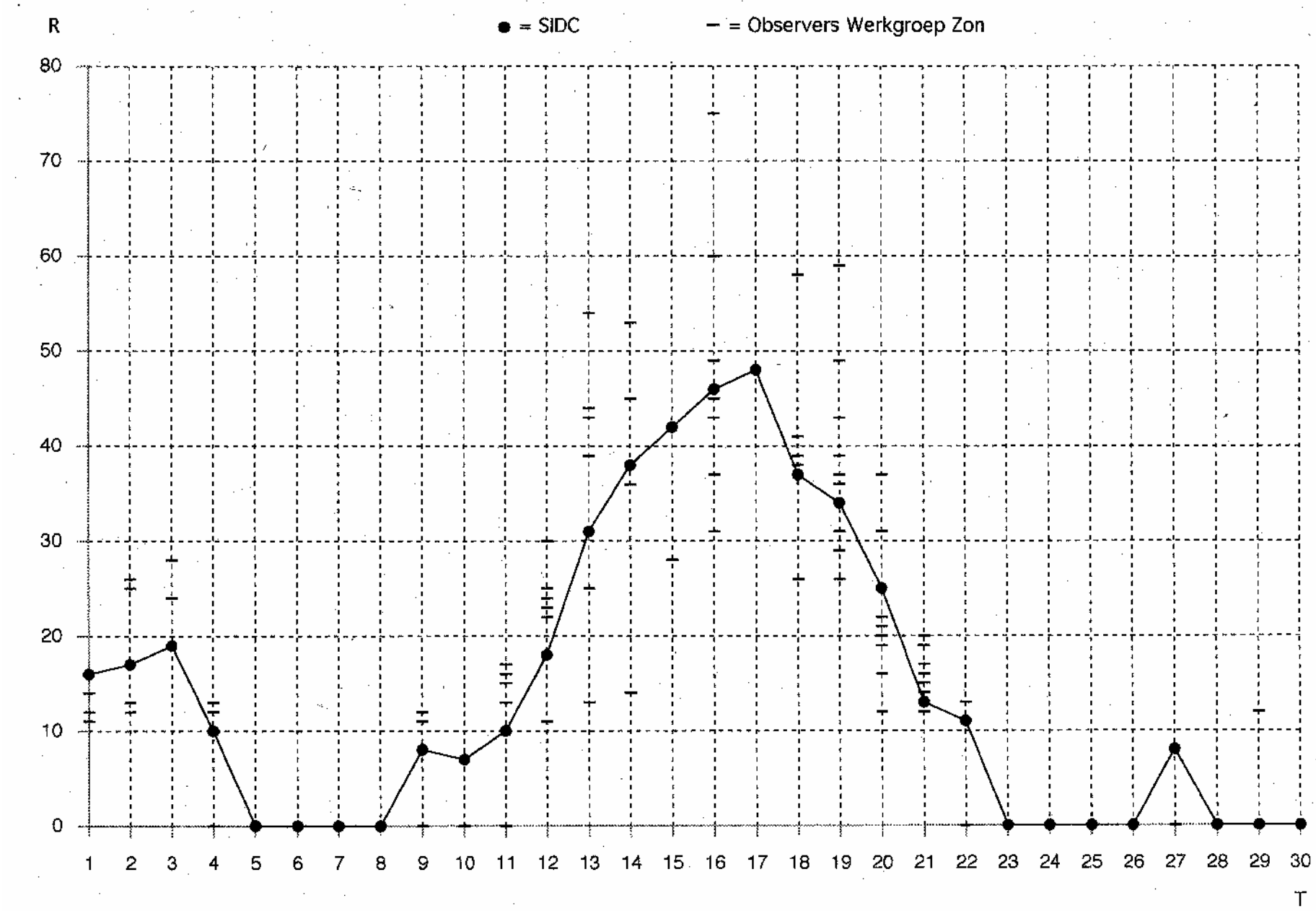
SUNSPOT BULLETIN

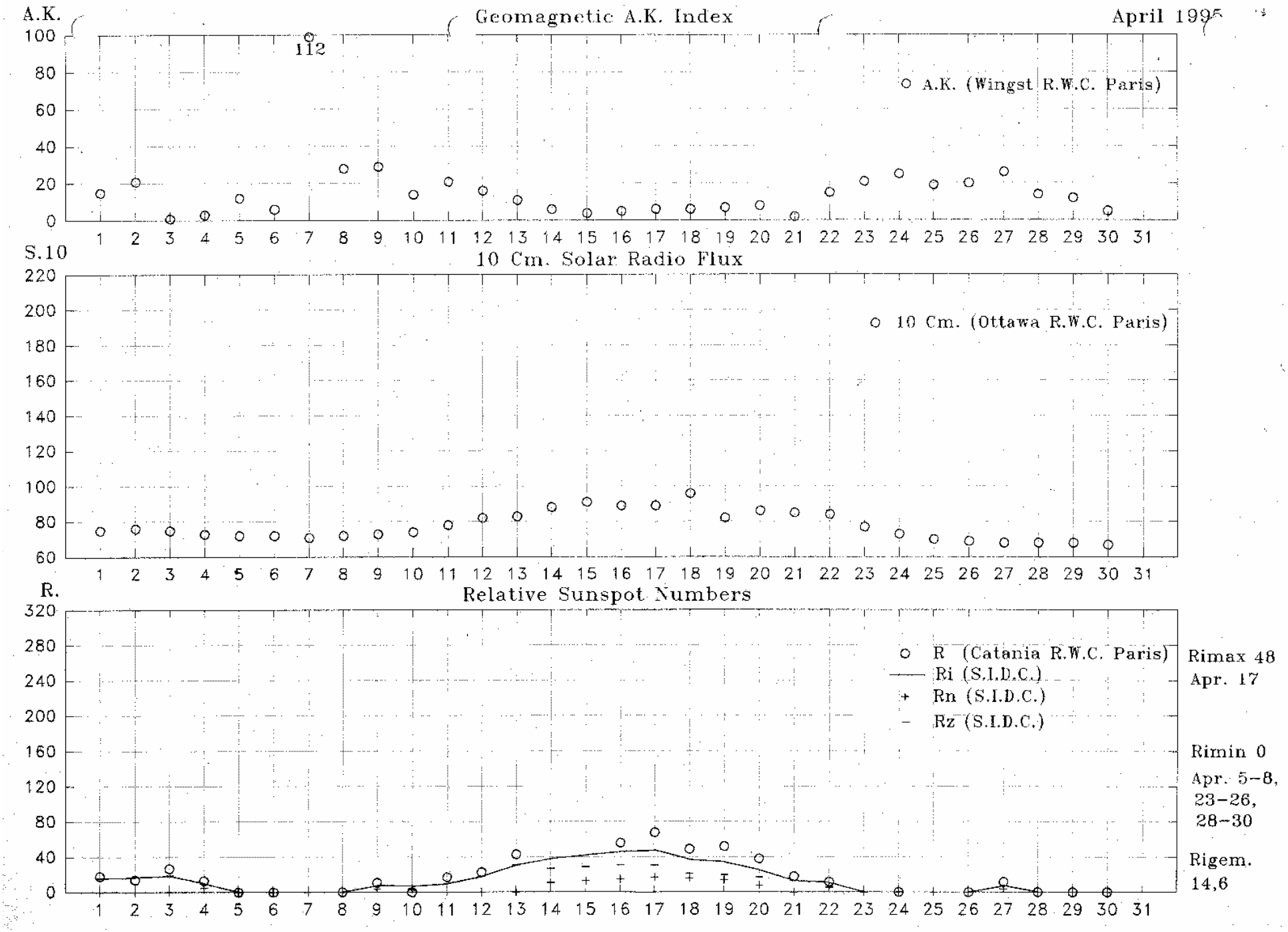
S.I.D.C. SUMMARY OF THE URSIGRAMS

1995 APRIL R_{IM} = **14.6**

Date	R_I	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
31	22	24	38	077	992	0	0/0	8		
1	16	19	35	075	994	0	0/0	15		ssc 1436
2	17	4	34	076	989	0	0/0	21	1400	
3	19	3	33	075	990	0	0/0	1		
4	10	0	33	073	991	0	0/0	3		mgst 2330
5	0	-	33	072	991	0	0/0	12		
6	0	-	-	072	986	0	0/0	6		
7	0	0	32	071	991	0	0/0	112		
8	0	-	32	072	991	0	0/0	28		
9	8	0	33	073	987	0	0/0	29		
10	7	0	36	074	989	0	0/0	24		
11	10	4	33	078	996	2	0/0	21		
12	18	9	33	082	997	14	0/0	16		
13	31	40	33	083	991	7	0/0	(5)		
14	38	58	36	088	999	1	0/0	6		
15	42	83	-	091	998	1	0/0	4		
16	46	72	-	089	997	2	0/0	5		
17	48	69	-	089	991	1	0/0	6		
18	37	88	-	090	987	6	0/0	11		
19	34	54	-	092	995	5	0/0	7		
20	25	25	-	086	991	0	0/0	8		
21	13	7	-	085	997	3	0/0	2		
22	11	0	-	084	999	100	2/0	15	1145-1709-1730 S-2F	1128
23	0	-	-	077	999	0	0/0	21		
24	0	-	-	073	999	0	0/0	25		
25	0	-	-	070	999	0	0/0	19		
26	0	-	-	069	997	0	0/0	20		
27	8	0	-	068	989	0	0/0	26		
28	0	-	-	068	989	0	0/0	14		
29	0	0	-	068	991	0	0/0	12		
30	0	-	-	067	995	0	0/0	5		

R_I, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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 : sfd (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 n1+100 x n>1).


R
● = SIDC
– = Observers Werkgroep Zon
80
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
T


A.K.
Geomagnetic A.K. Index
April 1995
112
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 48
Apr. 17
Rimin 0
Apr. 5–8,
23–26,
28–30
Rigem.
14,6

Zonnevlekkengetallen noordelijk- en zuidelijk halfrond

(Hemispheric sunspot numbers)

April 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	0	16			0	11										
2	0	17	0	26	0	12							0	13	0	25
3	0	19			0	24										
4	5	5	0	0	0	0							0	0		
5	0	0	0	0	0	0							0	0		
6	0	0											0	0		
7	0	0			0	0							0	0		
8	0	0	0	0	0	0			0	0			0	0	0	0
9	4	4	0	0									12	0		
10	4	3														
11	0	10	0	17									0	16	0	16
12	0	18	0	23									0	24		
13	0	31	13	26			54	0			13	30	13	31		
14	11	27							14	0			20	33		
15	13	29														
16	15	31	20	25									27	48	20	40
17	17	31														
18	16	21			0	41							26	32		
19	14	20	16	27	0	29	0	49	31	0			22	37		
20	8	17	0	20	0	16	0	31					13	24	19	0
21	0	13	0	17			0	14					0	20		
22	6	5	0	0									0	13		
23	0	0	0	0									0	0	0	0
24	0	0	0	0	0	0	0	0					0	0	0	0
25	0	0			0	0	0	0			0	0	0	0	0	0
26	0	0			0	0							0	0		
27	4	4			0	0							0	0		
28	0	0			0	0							0	0		
29	0	0	0	0	0	0	0	0					0	0		
30	0	0											0	0		

Bulletin Werkgroep Zon — Mei 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	Scho	vSlo	Sp 7	Vers	Zans	Zijle
1	0	0	0	0	0		0	0	0		0	11
2	0		0	0	0		0	0	0	0	0	0
3	0	0	0	0	0		0	0	0		0	0
4	12	12	12	0	0		0	0	0		0	12
5	12		13		0		0	13	11		0	15
6	12	0	11		0		0	11	0	0	0	0
7	12	12	11	12	11	11	11	12	13		11	11
8	14		12		11			12				
9	14		13		11			14				
10			14		11		15	16				14
11	16		14		11			16			17	12
12	29				11				31		19	39
13	29				24	25	39	44			32	43
14	30	32	28	42	14		34	58	43	18	32	35
15	48		33	56	13			63	45			40
16	54			45	26				51		39	48
17					31							
18		43			27			53				43
19	59	38	36	47	26	25		63	56		35	45
20	34		29	31	13			39	37			33
21		16	14		13		15	21	16		16	17
22	14	16	11	13	0			14			12	13
23	0	0		0	0			0	0		0	0
24	0				0			0			0	0
25	0				0		0	0				0
26	0		0		0		0	0	0	0	0	0
27			0		0			0	0		0	
28	11				0		12	12	13		0	0
29	16	14	13	26	0			18	15		16	13
30	13	12	12		0			13	13			13
31	11		11		0			11			0	12
observ	26	13	22	13	31	3	14	28	20	4	22	27
k	0,76	0,80	0,85	0,70	1,42	1,06	0,76	0,69	0,75	1,50	0,89	0,78
st.dev.	0,09	0,11	0,11	0,13	0,59	0,34	0,07	0,09	0,10	—	0,20	0,10
st.d./ k	0,11	0,14	0,12	0,18	0,42	0,32	0,09	0,14	0,13	—	0,22	0,13

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	Sp 7 = T. Spaninks [75]
Gr 6 = Mw G. Gravers [60]	Jn 4 = D. Jannink [40]	Vers = D. Verschuuren [Rf 40]
Groe = A. Groenewegen [102]	Scho = A. Scholten [60]	Zans = W. Zanstra [Rf 155]
Iden = J.A. Idenburg [Rf 125]	vSlo = B. van Slooten [90]	Zijle = W.A. Zijlema [90]

Correctie Bulletin maart 1995. Grafiek van 10 cm solar radio flux op 24 maart: 95 (i.p.v. 75)

Sunspot Index Data Center

SUNSPOT BULLETIN

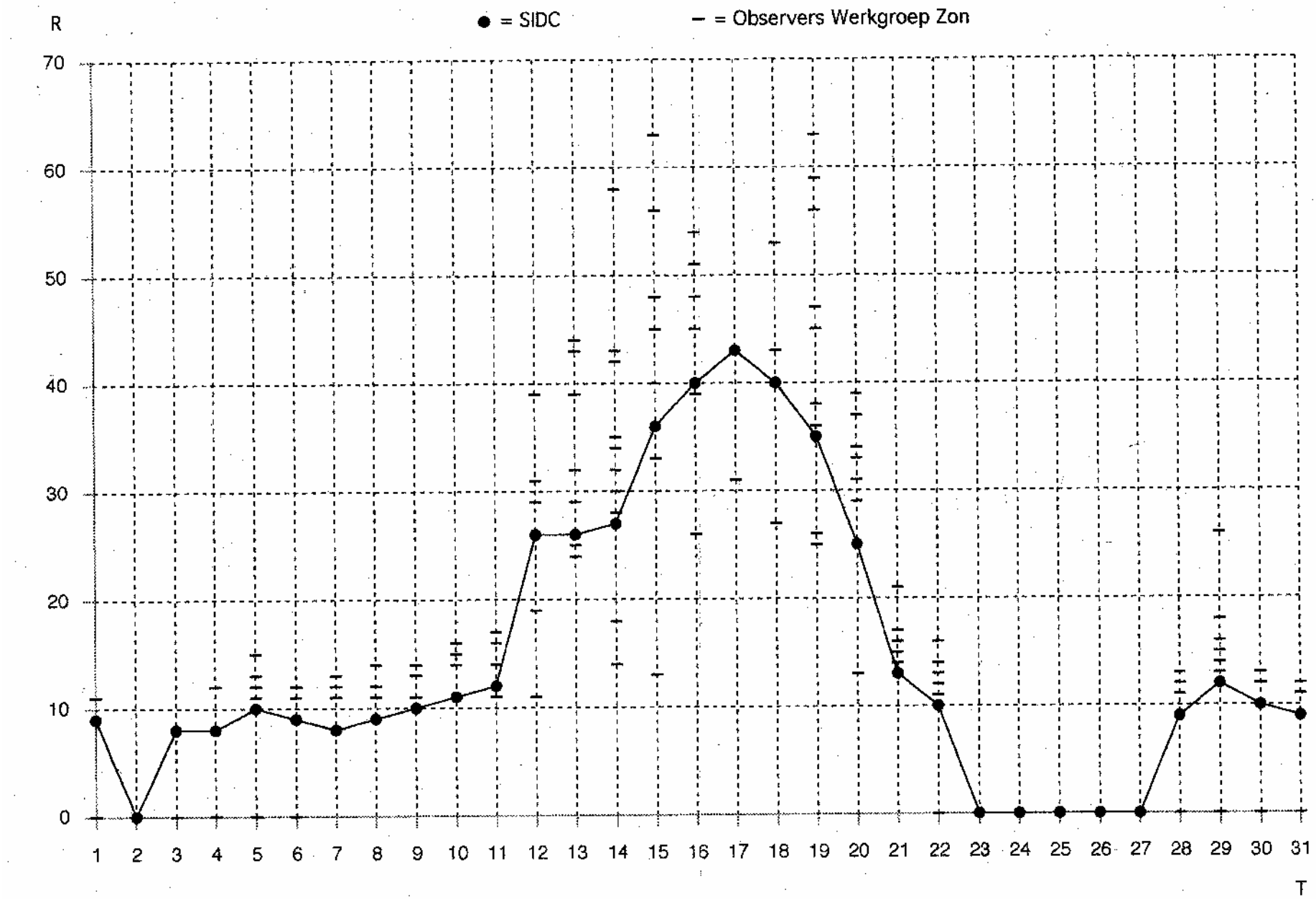
S.I.D.C. SUMMARY OF THE URSIGRAMS

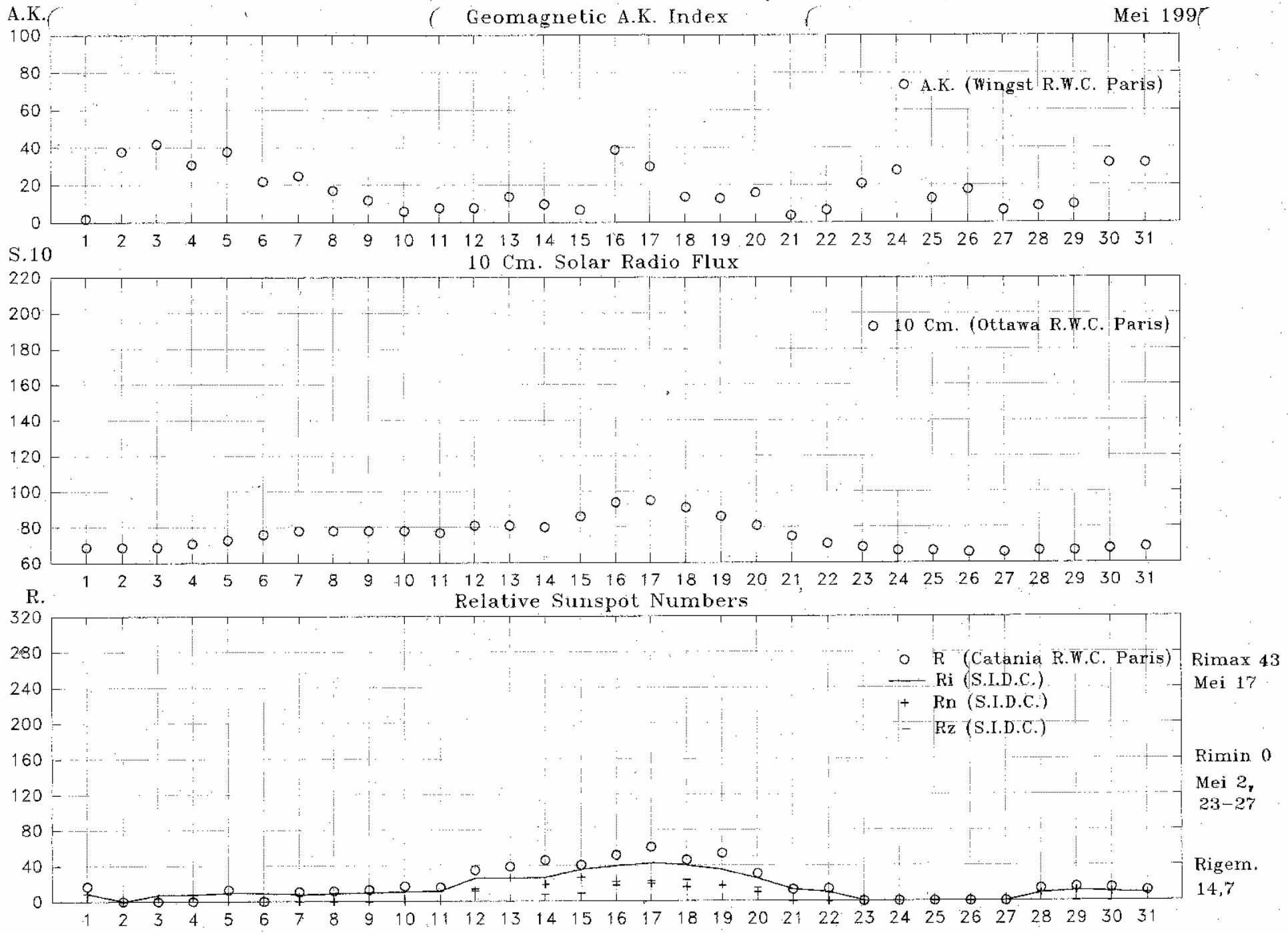
1995 MAY R_{IM} = 14.7

Date	R_I	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG	
30	0	-	-	067	995	0	0/0	5			
1	9	1	31	069	1000	0	0/0	2			ssc,mgst (2200)
2	0	-	31	069	1000	0	0/0	38			
3	8	-	31	069	994	0	0/0	42			
4	8	1	31	071	989	0	0/0	31			
5	10	1	31	073	990	0	0/0	38			
6	9	0	32	076	990	0	0/0	22			
7	8	3	33	078	994	0	0/0	25			
8	9	12	34	078	997	0	0/0	17			
9	10	15	34	078	994	0	0/0	12			
10	11	17	34	078	992	0	0/0	6	1710		
11	12	18	36	077	998	0	0/0	8			
12	26	17	36	081	988	1	0/0	8			
13	26	27	37	081	989	14	0/0	14			
14	27	27	37	080	997	2	0/0	10			
15	36	30	36	086	997	7	0/0	7			
16	40	65	36	094	993	28	0/0	39	1123		ssc (1048)
17	43	83	36	095	993	4	0/0	30			
18	40	95	36	091	993	3	0/0	14			
19	35	47	36	086	997	3	0/0	13			
20	25	25	36	081	995	0	0/0	16			
21	13	12	35	075	999	1	0/0	4			
22	10	4	32	071	995	0	0/0	7			
23	0	-	31	069	997	0	0/0	21			
24	0	-	31	067	994	0	0/0	28			
25	0	-	31	067	1000	0	0/0	16			
26	0	-	31	066	997	0	0/0	18			
27	0	-	31	066	-	0	0/0	7			
28	9	1	31	067	998	0	0/0	9			
29	12	4	31	067	-	0	0/0	10			
30	10	3	31	068	991	0	0/0	32			
31	9	1	31	069	985	0	0/0	32			

Very low solar activity increasing slightly in the middle of the month, then decreasing again.

R_I, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
Geomagnetic A.K. Index
Mei 199
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 43
Mei 17
Rimin 0
Mei 2,
23-27
Rigem.
14,7

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

mei 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	9	0	0	0	0	0	0	0			0	0	0	0	0	0
2	0	0	0	0	0	0	0	0			0	0	0	0	0	0
3	4	4	0	0	0	0	0	0			0	0	0	0	0	0
4	4	4	0	12	0	12	0	0			0	0	0	0	0	0
5	0	10	0	12	0	13					0	0	0	13	0	11
6	0	9	0	12	11	0					0	0	0	11	0	0
7	0	8	0	12	11	0	12	0	11	0	0	11	0	12	0	13
8	0	9	0	14	12	0							0	12		
9	0	10	0	14	13	0							0	14		
10	0	11			14	0					0	15	0	16		
11	0	12	0	16	14	0							0	16		
12	12	14	12	17											13	18
13	26	0	16	13					25	0	22	19	25	19		
14	19	8	19	11	17	11	30	12			22	12	42	16	28	15
15	27	9	35	13	20	13	15	41					48	15	32	13
16	22	18	30	24			0	45							27	24
17	20	23														
18	16	24											21	32		
19	18	17	30	29	0	36	0	47	11	14			29	34	26	30
20	10	15	12	22	0	29	0	31					15	24	14	23
21	0	13			0	14					0	15	0	21	0	16
22	0	10	0	14	0	11	0	13					0	14		
23	0	0	0	0			0	0					0	0	0	0
24	0	0	0	0									0	0		
25	0	0	0	0							0	0	0	0		
26	0	0	0	0	0	0					0	0	0	0	0	0
27	0	0			0	0							0	0	0	0
28	9	0	11	0							0	12	12	0	13	0
29	12	0	16	0	13	0	26	0					18	0	15	0
30	10	0	13	0	12	0							13	0	13	0
31	9	0	11	0	11	0							11	0		

Bulletin Werkgroep Zon — Juni 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 5	Groe	Iden	Jn .9	Jn 4	Scho	vSlo	Sp 7	Vers	Zans	Zijle
1	0	0	0		0		0	0				
2	0	0		0	0			0			0	0
3	12			15	0			27	13	0	0	
4	14	17			0			21				
5					12		35	41	48		19	25
6												
7					23			33				
8	38				14		25	36			30	22
9												
10					15			37			26	38
11	24		19		14			35			24	
12	26		22		13			25			23	22
13	22	14	17		0			27			18	26
14												
15												
16												
17												
18	12	25	23		0		23	13			11	
19	23	13	26		11		25	26			11	28
20	16	13	17		11			16	16			
21	14		16		11		15	16	16			22
22	14	12	18		11	11		22			19	26
23	17	12	17		11			21			19	18
24	17		14		11		18	16				17
25	13	12	15		11		16	17	13		18	17
26	14	12	16		11		15	17	13	11	11	21
27	13	13	13		0			14	24		13	14
28	11	0	0		0		13	13	0		0	12
29	0	0	0		0		0	12	0		0	12
30	41	38	42		0		29	33	34	28	19	31
observ	21	15	17	2	24	1	12	24	10	3	18	17
k	0,87	1,01	0,84	0,80	1,54	1,55	0,80	0,76	0,79	1,03	1,05	0,83
st.dev.	0,15	0,33	0,20	—	0,40	—	0,20	0,13	0,20	0,09	0,30	0,21
st.d./k	0,17	0,32	0,24	—	0,26	—	0,25	0,17	0,25	0,09	0,28	0,26

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	Sp 7 = T. Spaninks [75]
Gr 5 = Mw G. Gravers [50]	Jn 4 = D. Jannink [40]	Vers = D. Verschuuren [Rf 40]
Groe = A. Groenewegen [102]	Scho = A. Scholten [60]	Zans = W. Zanstra [Rf 155]
Iden = J.A. Idenburg [Rf 125]	vSlo = B. van Slooten [90]	Zijle = W.A. Zijlema [90]

Sunspot Index Data Center

SUNSPOT BULLETIN

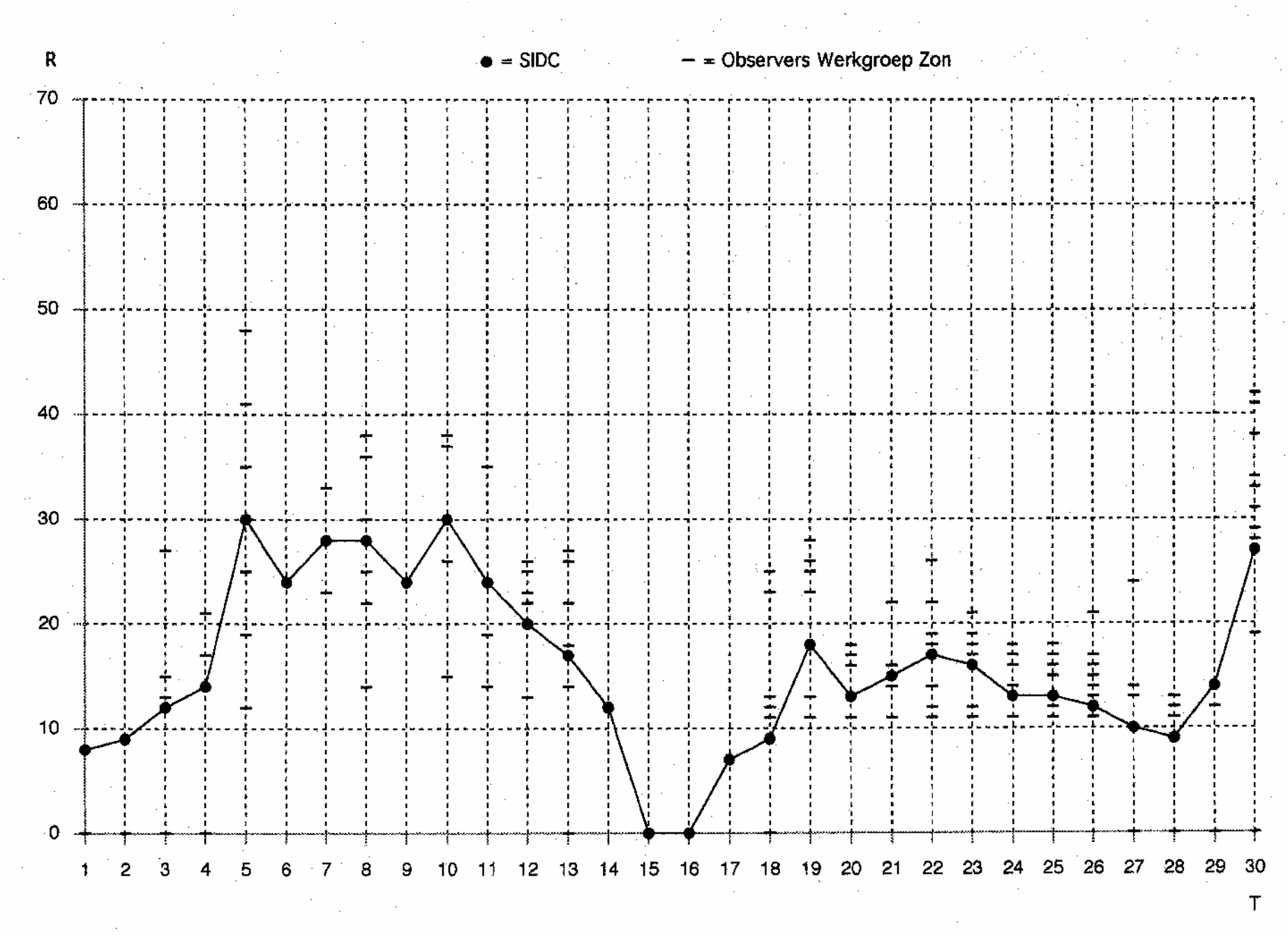
S.I.D.C. SUMMARY OF THE URSIGRAMS

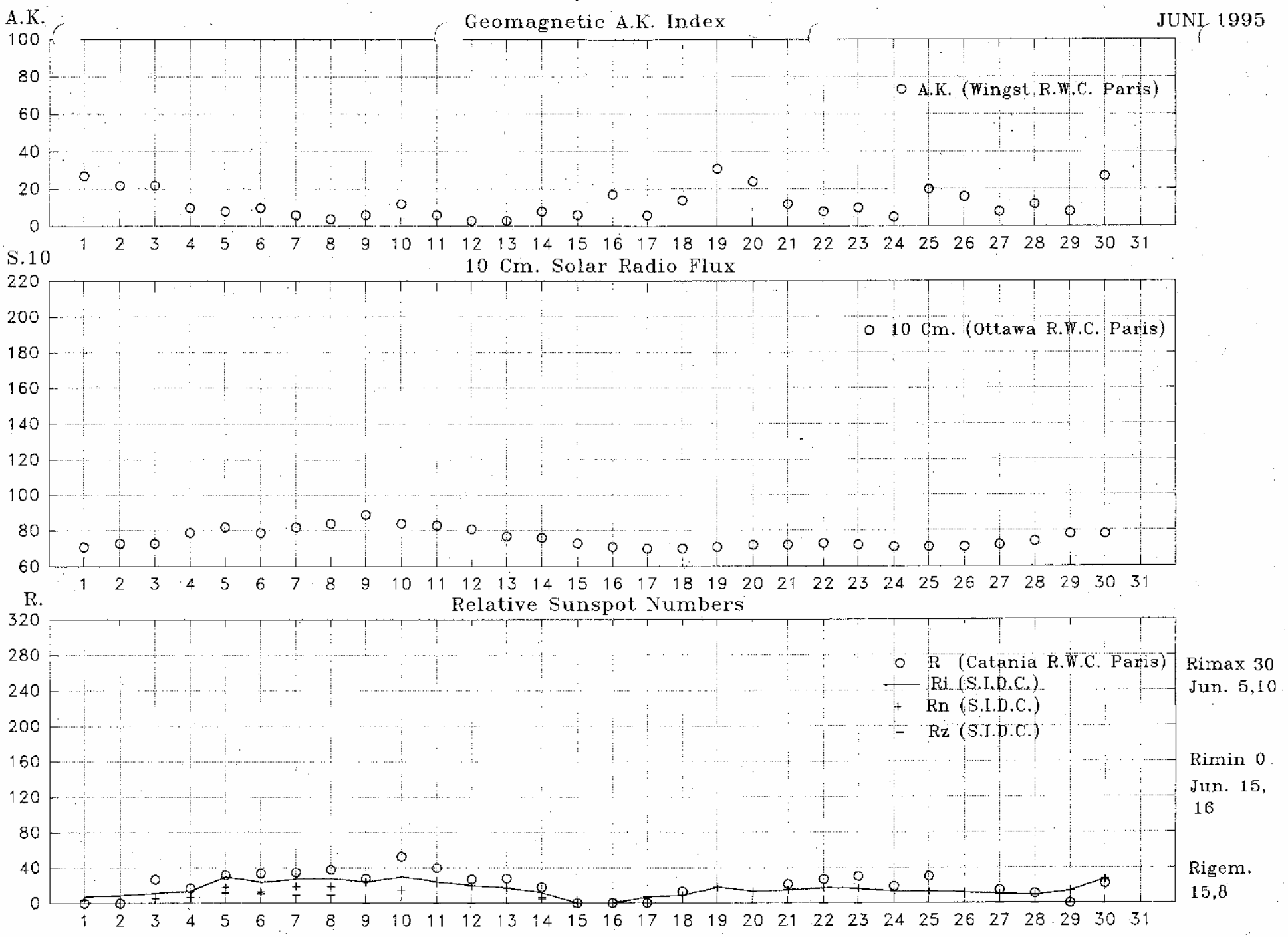
1995 JUNE R_{IM} = 15.8

Date	Rf	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
31	9	1	31	069	985	0	0/0	32		
1	8	0	33	071	992	0	0/0	27		
2	9	1	32	073	993	0	0/0	22		
3	12	2	-	075	993	2	0/0	22		
4	14	7	34	079	993	9	0/0	10		
5	30	18	-	082	996	10	0/0	8		
6	24	15	36	079	999	6	0/0	10		
7	28	17	36	082	999	1	0/0	6		
8	28	26	37	084	992	3	0/0	4		
9	24	35	38	089	995	0	0/0	6		
10	30	34	39	084	992	1	0/0	12		
11	24	33	36	083	991	0	0/0	6		
12	20	12	36	081	997	2	0/0	4		
13	17	5	36	077	994	1	0/0	3		
14	12	1	36	076	994	0	0/0	8		
15	0	0	36	073	993	0	0/0	6		
16	0	0	32	071	999	0	0/0	17		
17	7	0	33	070	995	0	0/0	6		
18	9	3	34	070	999	1	0/0	14		
19	18	4	33	071	1000	0	0/0	31		
20	13	5	33	072	997	0	0/0	24		
21	15	11	33	072	997	2	0/0	12		
22	17	17	33	073	996	0	0/0	8		
23	16	8	33	072	998	4	0/0	10		
24	13	8	31	071	999	0	0/0	5		
25	13	9	34	071	997	0	0/0	20		
26	12	6	33	071	996	0	0/0	16		
27	10	2	33	072	998	0	0/0	8		
28	9	1	33	074	999	1	0/0	12		
29	14	2	35	078	990	2	0/0	8		
30	27	5	36	078	988	3	0/0	27		mgst-ssc (1010)

Low to very low solar activity.

Rf, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
T


A.K.
Geomagnetic A.K. Index
JUNI 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 30
Jun. 5,10
Rimin 0
Jun. 15,
16
Rigem.
15,8

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

juni 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	4	4	0	0	0	0					0	0	0	0		
2	0	9	0	0			0	0					0	0		
3	6	6	0	12			15	0					16	11	13	0
4	7	7	0	14									21	0		
5	18	12									11	24	11	30		
6	13	11														
7	19	9											20	13		
8	19	9	26	12							25	0	23	13		
9	24	0														
10	15	15											37	0		
11	24	0	24	0	19	0							35	0		
12	20	0	26	0	22	0							25	0		
13	17	0	22	0	17	0							27	0		
14	7	5														
15	0	0														
16	0	0														
17	0	7														
18	9	0	12	0	11	12					11	12	13	0		
19	18	0	23	0	14	12					13	12	26	0		
20	13	0	16	0	17	0							16	0	18	0
21	15	0	14	0	16	0					15	0	16	0	16	0
22	17	0	14	0	18	0			11	0			22	0		
23	16	0	17	0	17	0							21	0		
24	13	0	17	0	14	0					18	0	16	0		
25	13	0	13	0	15	0					16	0	17	0	13	0
26	12	0	14	0	16	0					15	0	17	0	13	0
27	10	0	13	0	13	0							14	0	24	0
28	9	0	11	0	0	0					13	0	13	0	0	0
29	14	0	0	0	0	0					0	0	12	0	0	0
30	27	0	41	0	42	0					29	0	33	0	34	0

Bulletin Werkgroep Zon — Juli 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 5	Groe	Iden	Jn .9	Jn 4	Scho	vSlo	Sp 7	Sp15	Vers	Zans	Zan(J)	Zijle
1	38	27	26		11		39	43			14	27		25
2	26		17	15	11		15	28			12	15		31
3					12									
4	14		16	14	12		16	18				12		16
5	28	26	28		11			29				12		14
6	31	27	33	61	22			32				26		33
7	31	29	29	50	22		28	34	27		38	29		35
8	25	26	26	36	23		24	28			25	24		26
9	28		33	36	11			33			26	25		32
10	23		28	11	11		11	25	12			24		27
11	12			11	11			25	11			11		12
12	11		12		11		11	22				11		11
13	0		13	0	0		12	22	0			0		11
14	17		16	18	0		14	20				19		17
15	21				14		21	30				19		19
16	22				13		18	22			14	18		18
17	20		16	25	12			19			12			17
18						13								
19					0								46	32
20	25	11	15		0		12	31	15				30	27
21	12		13		0		0	23		13			14	11
22		0	0		0		0	14			0		15	15
23	0	0	0		0		0	0	0		0		0	0
24	0	0	0		0		0	0	0		0			0
25	0	0	0		0		0	0			0		0	0
26	0	0	0		0			0			0		0	0
27		0	0		0		0	0						
28	0		0		0			0					0	0
29	0	0	0		0		0				0		0	0
30	0	0	0		0		0	11	0		0		0	0
31	13	0	15		0		0	12	13		0		17	15
observ	26	15	25	11	30	1	21	27	9	1	15	15	11	28
k	0,97	1,17	1,00	1,01	1,63	1,08	1,18	0,76	1,35	1,23	1,37	1,18	0,74	0,97
st.dev.	0,23	0,46	0,27	0,53	0,53	—	0,43	0,11	0,42	—	0,54	0,33	0,26	0,28
st.d./k	0,24	0,39	0,27	0,52	0,33	—	0,37	0,15	0,31	—	0,39	0,28	0,35	0,29

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn 4 = D. Jannink [40]	Vers = D. Verschuuren [Rf 40]
Gr 5 = Mw G. Gravers [50]	Scho = A. Scholten [60]	Zans = W. Zanstra [Rf 155]
Groe = A. Groenewegen [102]	vSlo = B. van Slooten [90]	Zan(J) = W. Zanstra [100, Jura]*
Iden = J.A. Idenburg [Rf 125]	Sp 7 = T. Spaninks [75]	Zijle = W.A. Zijlema [90]
Jn .9 = D. Jannink [9]	Sp15 = T. Spaninks [Rf 150]	*Jura Sternwarte, Switzerland

Sunspot Index Data Center

SUNSPOT BULLETIN

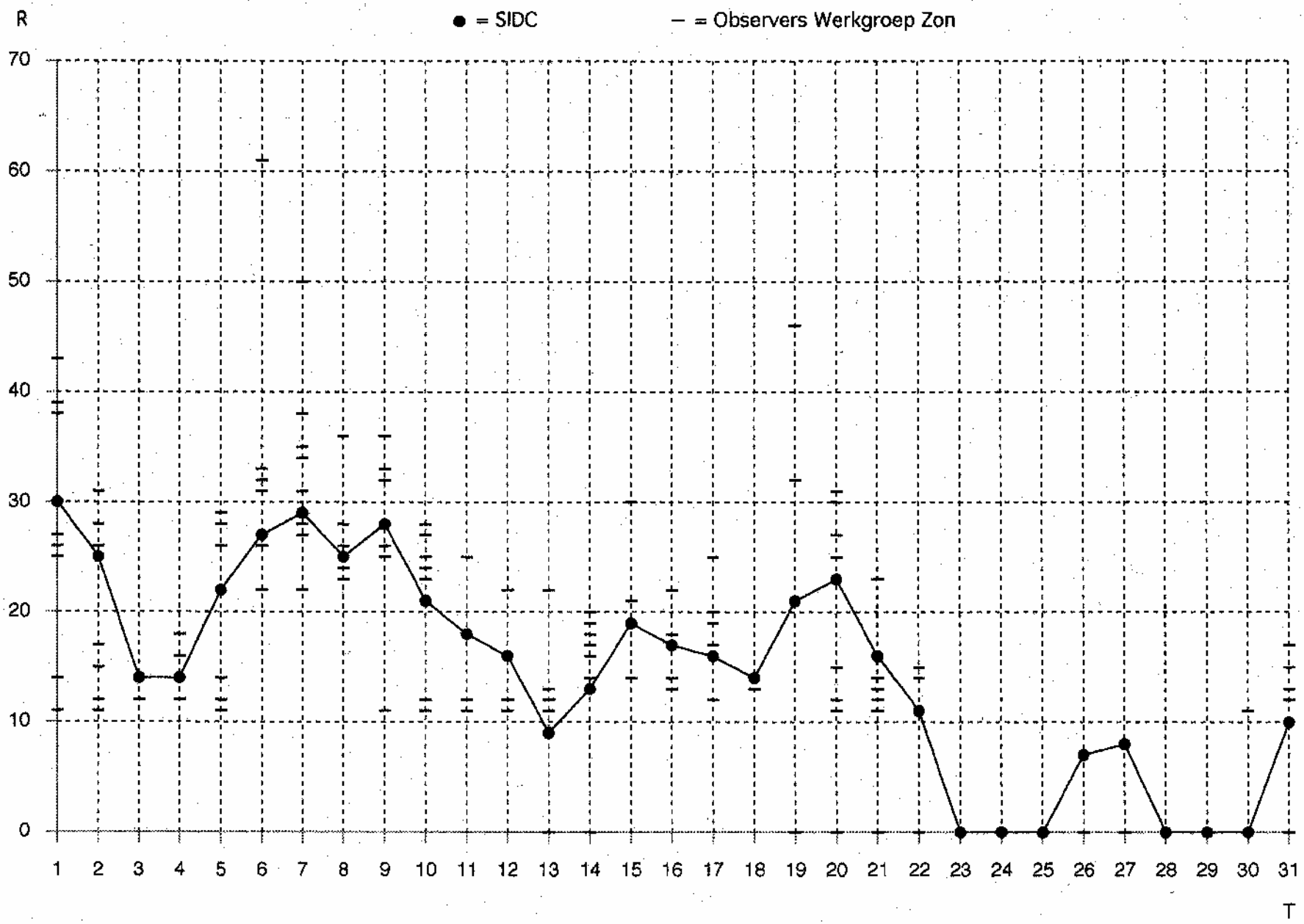
S.I.D.C. SUMMARY OF THE URSIGRAMS

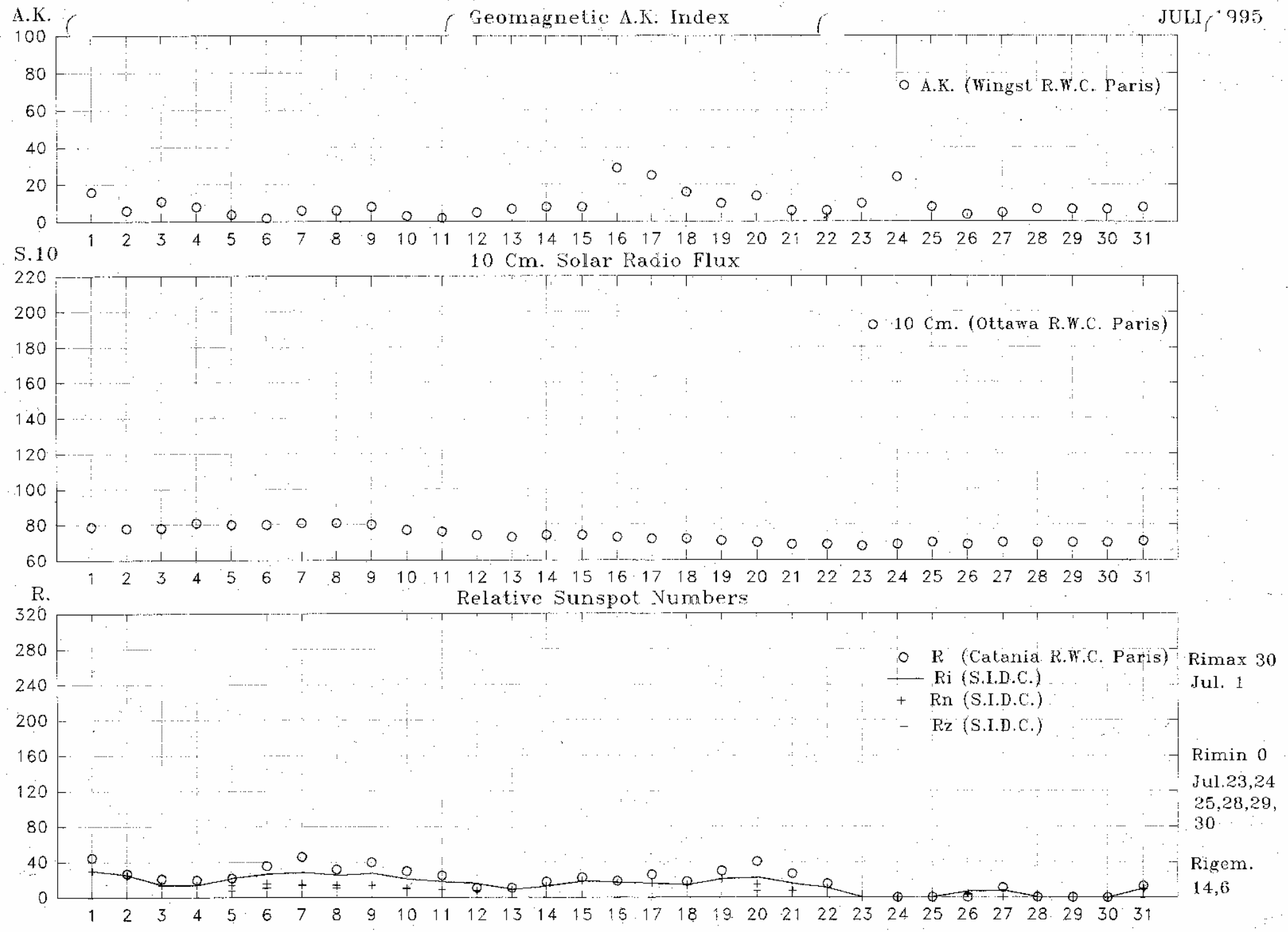
1995 JULY R_{IM} = **14.6**

Date	R_I	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG	
30	27	5	36	078	988	3	0/0	27			mgst(1010)ssc(1015
1	30	10	36	079	992	11	0/0	16			
2	25	18	37	078	987	0	0/0	6			
3	14	22	37	078	992	0	0/0	11			ssc(2114)
4	14	26	37	081	996	0	0/0	8			
5	22	37	38	080	999	2	0/0	4			
6	27	42	38	080	1000	0	0/0	2			
7	29	41	37	081	996	2	0/0	6			
8	25	36	37	081	994	1	0/0	6			
9	28	34	37	080	991	1	0/0	8			
10	21	18	36	077	994	0	0/0	3			
11	18	12	36	076	996	0	0/0	2			
12	16	3	-	074	997	0	0/0	5			
13	9	2	36	-	996	-	-	7			
14	13	7	36	074	997	0	0/0	8			
15	19	32	36	074	999	0	0/0	8			
16	17	30	35	073	999	0	0/0	29			
17	16	21	35	072	996	0	0/0	25	1504		
18	14	14	35	072	991	2	0/0	16			
19	21	8	34	071	992	0	0/0	10			
20	23	6	35	070	994	0	0/0	14			
21	16	2	33	069	997	0	0/0	6			
22	11	2	34	069	996	0	0/0	6			
23	0	0	33	068	998	0	0/0	10			
24	0	0	33	069	999	0	0/0	24			mgst-ssc(0252)
25	0	0	33	070	994	0	0/0	8			
26	7	1	34	069	994	0	0/0	6			
27	8	0	34	070	994	0	0/0	5			
28	0	0	34	070	995	0	0/0	7			
29	0	0	34	070	999	0	0/0	7			
30	0	0	34	070	999	0	0/0	7			
31	10	2	35	071	995	0	0/0	8			

Very low solar activity- geomagnetic activity : low to active.

R_I, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
Geomagnetic A.K. Index
JULI 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 30
Jul. 1
Rimin 0
Jul.23,24
25,28,29,
30
Rigem.
14,6

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

juli 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	30	0	38	0	26	0					39	0	43	0		
2	25	0	26	0	17	0	0	15			15	0	28	0		
3	14	0														
4	14	0	14	0	16	0	0	14			16	0	18	0		
5	14	8	17	11	17	11							18	11		
6	16	11	15	16	16	17	11	50					17	15		
7	15	14	15	16	13	16	12	28			14	14	17	17	13	14
8	14	11	12	13	11	15	11	25			11	13	12	16		
9	14	14	13	15	14	19	11	25					15	18		
10	10	11	12	11	11	17	11	0			11	0	11	14	12	0
11	9	9	12	0			11	0					11	14	11	0
12	8	8	11	0	12	0					11	0	11	11		
13	9	0	0	0	13	0	0	0			0	12	22	0	0	0
14	13	0	17	0	16	0	0	18			0	14	20	0		
15	19	0	21	0							0	21	30	0		
16	17	0	22	0					0	13	0	18	22	0		
17	16	0	20	0	16	0	25	0					19	0		
18	14	0														
19	21	0														
20	15	8	13	12	15	0					12	0	17	14	15	0
21	8	8	12	0	13	0					0	0	11	12	13	0
22	11	0			0	0					0	0	14	0		
23	0	0	0	0	0	0					0	0	0	0	0	0
24	0	0	0	0	0	0					0	0	0	0	0	0
25	0	0	0	0	0	0					0	0	0	0		
26	4	3	0	0	0	0							0	0		
27	0	8			0	0					0	0	0	0		
28	0	0	0	0	0	0							0	0		
29	0	0	0	0	0	0					0	0				
30	0	0	0	0	0	0					0	0	11	0	0	0
31	10	0	13	0	15	0					0	0	12	0	13	0

Bulletin Werkgroep Zon — Augustus 1995

NVWS Werkgroep Zon. Sekretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 01820-39082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 5	Gr 5*	Gr 6	Groe	Iden	Jn .9	Jn 4	Scho	vSlo	Sp 7	Vers	Zan(J)	Zan	Zijl(J)	Zijl
1	16	14			17		0		16	17			16			15
2		16			18		0		17	15	15		19			18
3		12			16		0			19	14		17			22
4		0			14		0		0	14			18		21	
5				12	28		0		12	12			15		16	
6			18		27		12		20	34	22		28			
7			15				11			19			18			17
8	13		0		12		0			14			14			22
9	0		0		0		0		0	0						0
10	0		0		0	0	0		0	0			0			0
11	0		0		0	0	0		0	22	0		0			11
12			0		0	0	0		0	0	0		0			0
13	0			0	0		0			0						
14	0			0	0	0	0		0	0						0
15	0			14	0		0			0						0
16	26			24	26		0			27			0			30
17	11			11	0	0	0			11	0		0			11
18	0			0	0	0	0			0	0		0			
19	0				0	0	0			0						0
20	0		0		0	0	0		0	0						0
21	0		0		0	0	0		0	0				0		0
22	11				11		0			0				0		11
23	15		16		21	0	0			18						23
24	36		32		34		23			41		34		32		
25	32		33				24			36				42		
26	49					47	34	34	38	57		38		38		65
27							11		27	45				40		31
28	27			27		47	11	11		29				12		34
29	15			15	19	11	11			19				16		
30	13				15		11		14	16		12		15		22
31	12				13		11			15				14		16
observ	23	4	12	9	26	13	31	2	15	31	7	3	14	10	2	23
k	0,92	1,12	1,09	1,05	0,85	0,89	1,61	1,69	1,05	0,86	1,07	1,02	0,94	1,01	0,88	0,82
st.dev.	0,11	0,26	0,21	0,18	0,18	0,38	0,59	0,69	0,17	0,20	0,12	0,10	0,13	0,42	0,17	0,21
st.d./k	0,12	0,23	0,20	0,18	0,18	0,43	0,37	0,41	0,16	0,23	0,12	0,10	0,14	0,41	0,19	0,26

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	Vers = D. Verschuuren [Rf 40]
Gr 5* = Mw G. Gravers [50]	Jn 4 = D. Jannink [40]	Zan(J) = W. Zanstra [100]
Gr 5 = Mw G. Gravers [50]	Scho = A. Scholten [60]	Zan = W. Zanstra [Rf 155]
Gr 6 = Mw G. Gravers [60]	vSlo = B. van Slooten [90]	Zijl(J) = W.A. Zijlema [100]
Groe = A. Groenewegen [102]	Sp 7 = T. Spaninks [75]	Zijl = W.A. Zijlema [90]
Iden = J.A. Idenburg [Rf 125]		

* = Denekamp and Puimichel

(J) = Jura Sternwarte, Switzerland

Sunspot Index Data Center

SUNSPOT BULLETIN

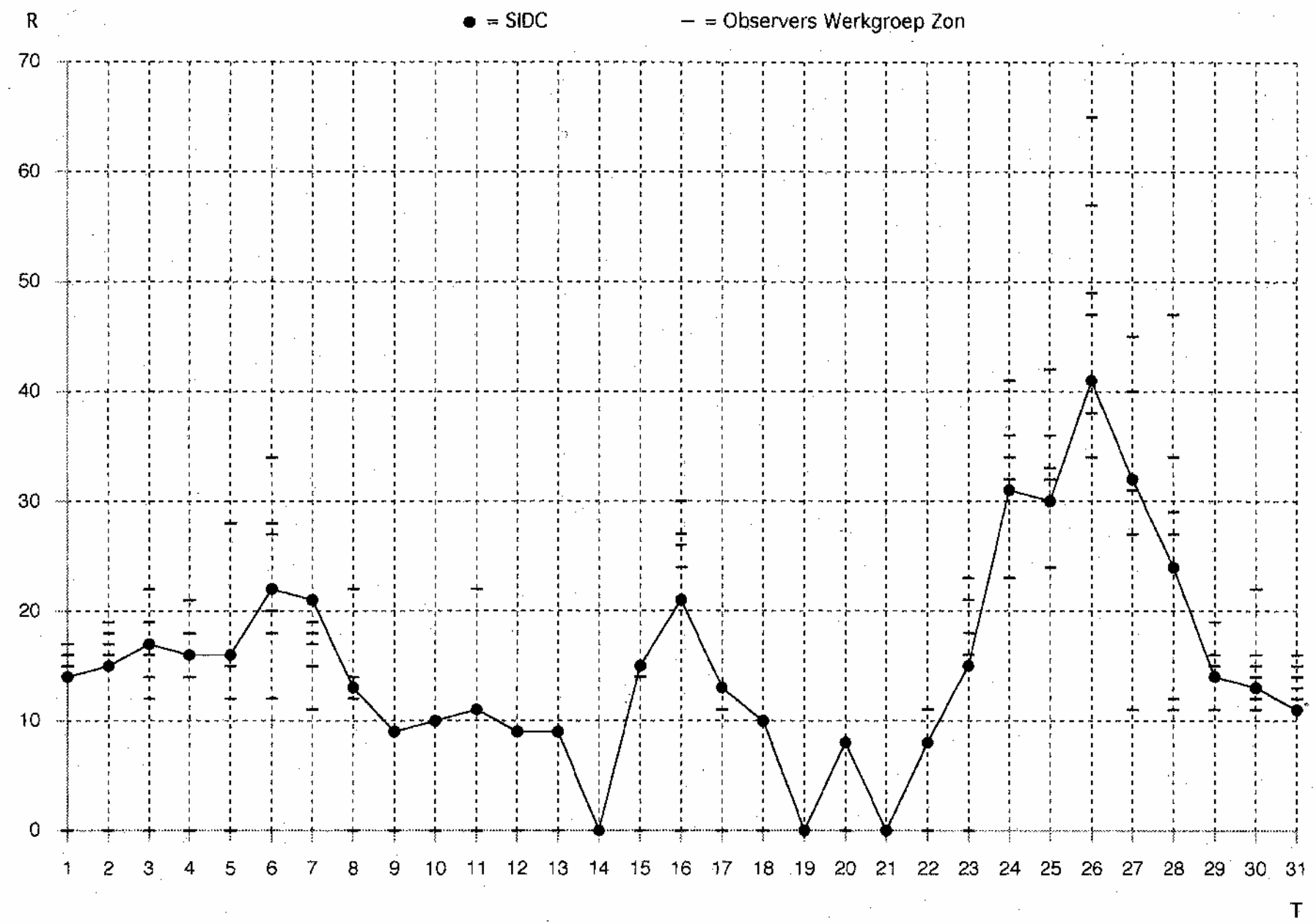
S.I.D.C. SUMMARY OF THE URSIGRAMS

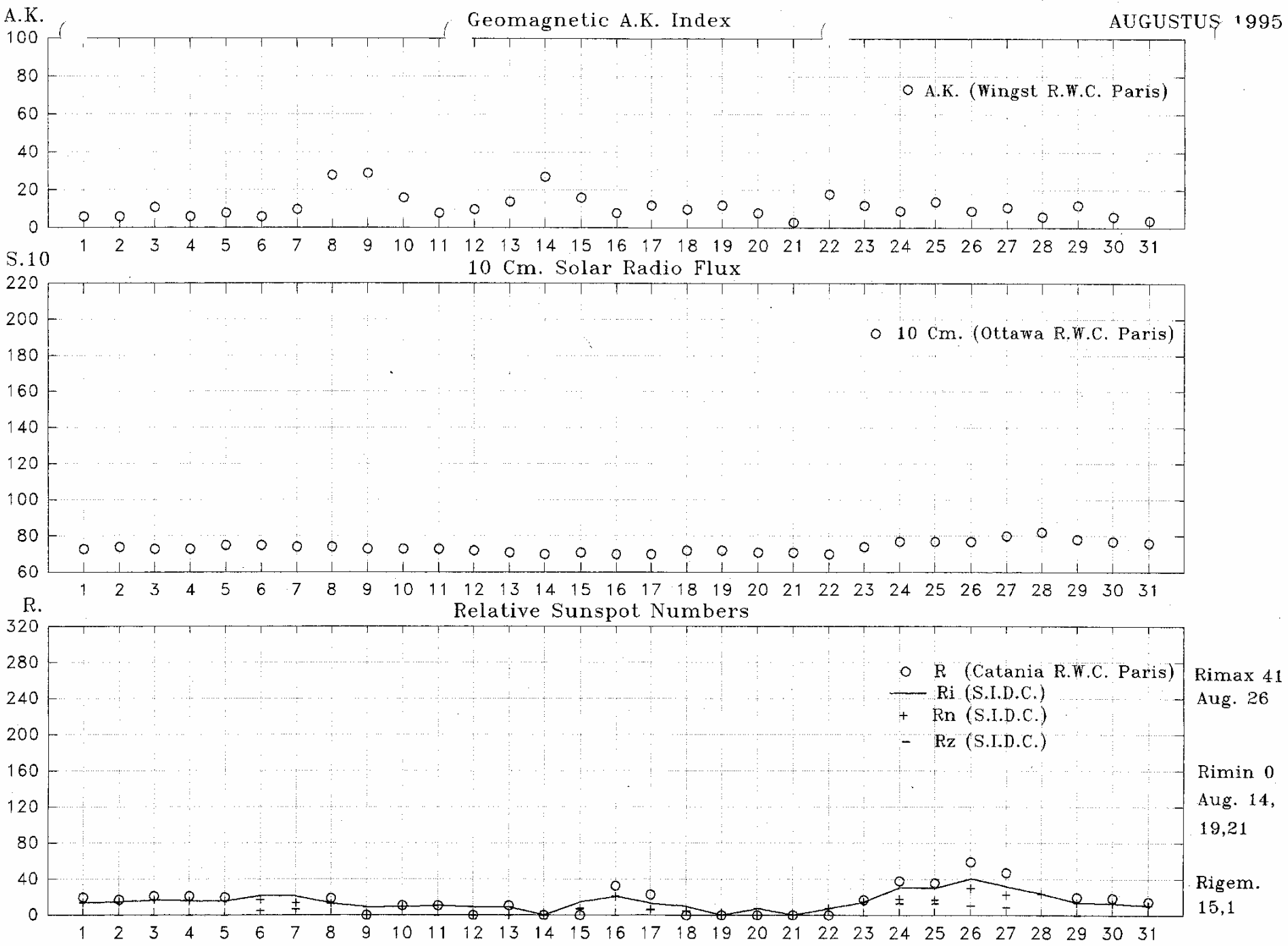
1995 AUGUST Rf_M = 15.1

Date	Rf	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.

Rf, Rf_M : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
Geomagnetic A.K. Index
AUGUSTUS 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 41
Aug. 26
Rimin 0
Aug. 14,
19,21
Rigem.
15,1

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

augustus 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	14	0	16	0	17	0					16	0	17	0		
2	15	0			18	0					17	0	15	0	15	0
3	17	0			16	0							19	0	14	0
4	16	0			14	0					0	0	14	0		
5	16	0			28	0					0	12	12	0		
6	17	5			27	0					0	20	34	0	22	0
7	14	7											19	0		
8	13	0	13	0	12	0							14	0		
9	0	9	0	0	0	0					0	0	0	0		
10	10	0	0	0	0	0	0	0			0	0	0	0		
11	11	0	0	0	0	0	0	0			0	0	22	0	0	0
12	0	9			0	0	0	0			0	0	0	0	0	0
13	0	9	0	0	0	0							0	0		
14	0	0	0	0	0	0	0	0			0	0	0	0		
15	8	7	0	0	0	0							0	0		
16	21	0	14	12	26	0							15	12		
17	7	6	0	11	0	0	0	0					0	11	0	0
18	5	5	0	0	0	0	0	0					0	0	0	0
19	0	0	0	0	0	0	0	0					0	0		
20	0	8	0	0	0	0	0	0			0	0	0	0		
21	0	0	0	0	0	0	0	0			0	0	0	0		
22	8	0	0	11	11	0							0	0		
23	15	0	15	0	21	0	0	0					18	0		
24	18	13	20	16	17	17							23	18		
25	17	13	17	15									18	18		
26	30	11	37	12			36	11	23	11	15	23	41	16		
27	23	9									13	14	32	13		
28	24	0	27	0			23	24	11	0			29	0		
29	14	0	15	0	0	19	0	11					19	0		
30	13	0	13	0	0	15					14	0	16	0		
31	11	0	12	0	0	13							15	0		

Bulletin Werkgroep Zon — September 1995

NVWS Werkgroep Zon. Secretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 0182-539082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 5	Gr 6	Groe	Id 12	Id 9	Jn .9	Jn 4	vSlo	Sp 7	Vers	Zans	Zijle
1	12	14			22		11		12		11	13	13
2									11				
3	12		12	11			11		11			11	11
4	22						11		24		11		
5	12	12		11	11		11		11		11	11	
6	11			11	11		11		11			11	11
7	0				0		0		0			0	0
8							0					0	
9	0		0	0			0		0				
10	0		0				0		0	0		0	
11						0	0		0		0		
12	12			13			0		0		0	11	12
13				12					0		0		
14	0			0			0		0		0	0	0
15	13			13		0	0		12		0	0	
16	12			11		0	0		11		0	0	0
17	0						0		0			0	0
18	0					0	0		11			0	0
19	14			26			0		14		14	13	14
20	29			30		25	12		21		28	16	20
21	28					28	13	24	18			17	
22	42					29	13		28			28	33
23	36		38				22						
24	35		36				11	11	28		23	24	41
25	35				22		11		34		24	23	37
26													
27	34						0					24	38
28	11				0		0		11		0	0	11
29	0				0		0		11			0	0
30	0			0			0						
observ	25	2	5	12	7	7	27	2	25	1	14	22	17
k	0,79	0,99	0,75	0,77	0,94	0,89	1,58	1,82	0,90	—	1,09	1,03	0,78
st.dev.	0,15	0,49	0,08	0,28	0,47	0,13	0,68	1,28	0,21	—	0,31	0,26	0,11
st.d./k	0,19	0,49	0,11	0,36	0,49	0,15	0,43	0,70	0,24	—	0,29	0,26	0,14

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Id 12 = J.A. Idenburg [Rf 125]	vSlo = B. van Slooten [90]
Gr 5 = Mw G. Gravers [50]	Id 9 = J.A. Idenburg [Rf 90]	Sp 7 = T. Spaninks [75]
Gr 6 = Mw G. Gravers [60]	Jn .9 = D. Jannink [9]	Vers = D. Verschuuren [Rf 40]
Groe = A. Groenewegen [102]	Jn 4 = D. Jannink [40]	Zans = W. Zanstra [Rf 155]
		Zijle = W.A. Zijlema [90]

Correctie Bulletin aug. '95: W.A. Zijlema [90], Jura Sternwarte, Switzerland

Sunspot Index Data Center

SUNSPOT BULLETIN

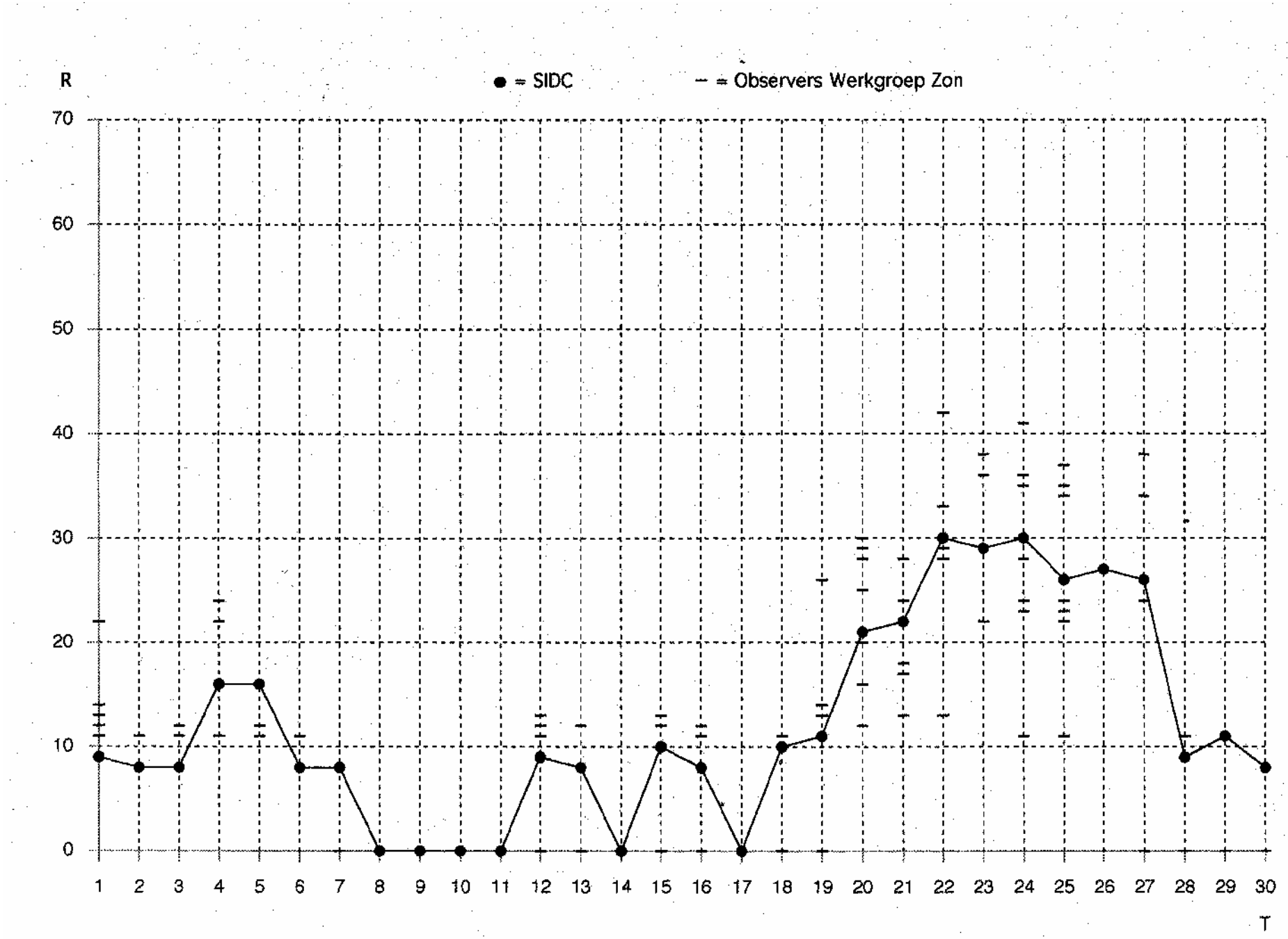
S.I.D.C. SUMMARY OF THE URSIGRAMS

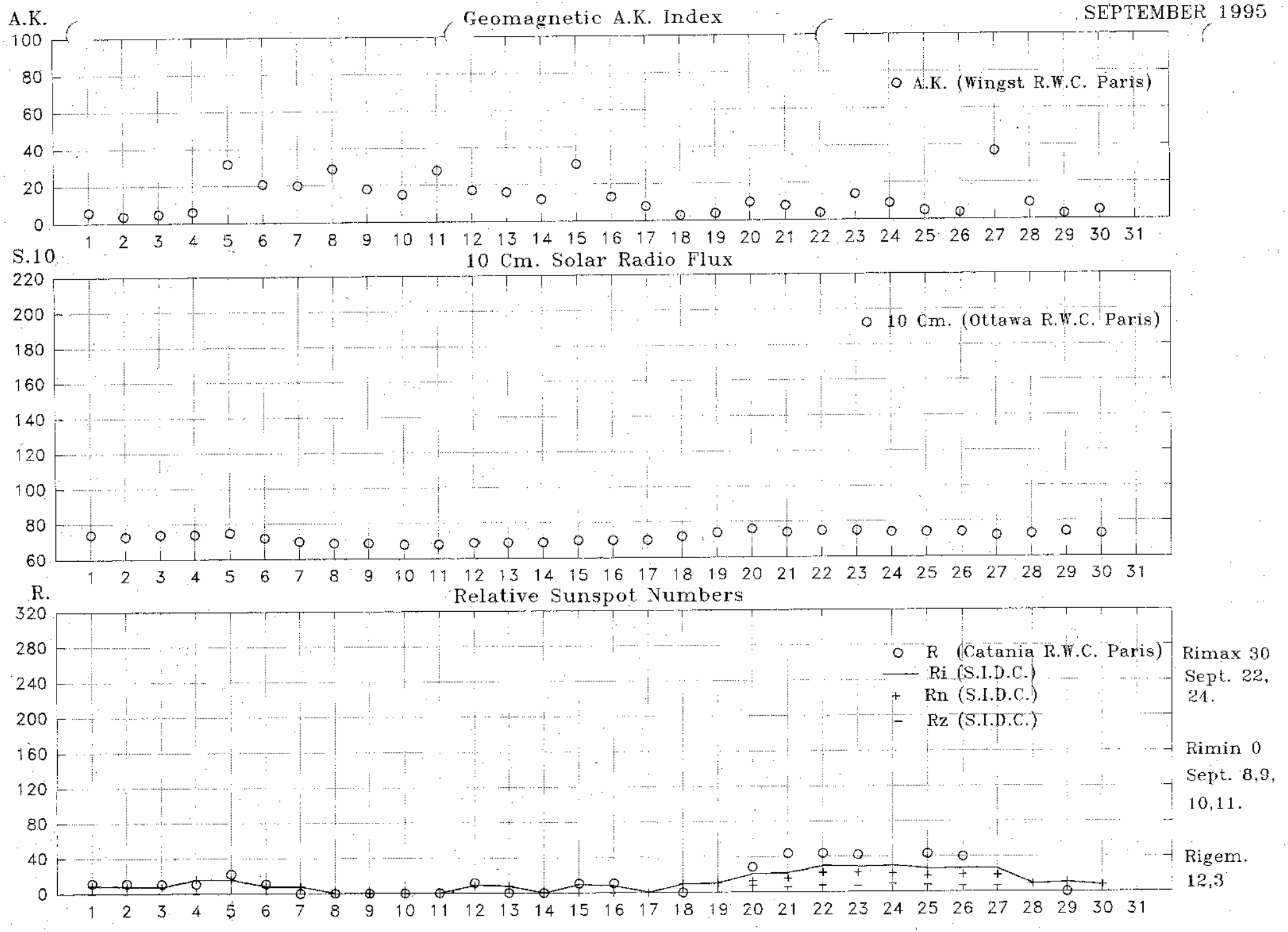
1995 SEPTEMBER R_{f_M} = 12.3

Date	R_f	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
31	11	24	36	076	982	1	0/0	4		
1	9	20	34	074	992	0	0/0	6	1507	
2	8	15	34	073	991	0	0/0	4		
3	8	12	34	074	995	0	0/0	5		
4	16	10	34	074	989	2	0/0	6		
5	16	5	34	075	991	0	0/0	32		
6	8	2	32	072	996	0	0/0	21		
7	8	0	32	070	997	0	0/0	20		
8	0	-	31	069	999	0	0/0	29		
9	0	-	31	069	999	0	0/0	18		
10	0	-	31	068	998	0	0/0	15		
11	0	-	31	068	1000	0	0/0	28		
12	9	1	31	069	999	0	0/0	17		
13	8	0	32	069	997	0	0/0	16		
14	0	-	31	069	997	0	0/0	12		
15	10	1	32	070	994	0	0/0	31		
16	8	0	33	070	997	0	0/0	13		
17	0	-	33	070	993	0	0/0	8		
18	10	-	33	072	993	0	0/0	3		
19	11	2	33	074	995	1	0/0	4		
20	21	3	33	076	-	1	0/0	10	0848	
21	22	7	34	074	995	0	0/0	8		
22	30	17	34	075	997	5	0/0	4		
23	29	12	34	075	996	0	0/0	14		
24	30	11	35	074	999	0	0/0	9		
25	26	7	36	074	999	0	0/0	5		
26	27	6	36	074	998	0	0/0	4		
27	26	4	35	072	989	1	0/0	37	1043	
28	9	1	36	073	997	0	0/0	9		
29	11	0	35	074	995	0	0/0	3		
30	8	0	35	073	994	0	0/0	5		

Very low to low solar activity.

R_f, R_{f_M} : 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 - UGEOR group 3).
XI : X-flares Index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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 M1+100 x >1).


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
T


A.K.
Geomagnetic A.K. Index
SEPTEMBER 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 30 Sept. 22, 24.
Rimin 0 Sept. 8,9, 10,11.
Rigem. 12,3

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

september 1995

	S.I.D.C.		Balster		Groenew.		Idenb. 12		Idenb. 9		Jannink 4		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	9	0	12	0			22	0					12	0		
2	8	0											11	0		
3	8	0	12	0	11	0							11	0		
4	16	0	22	0									24	0		
5	16	0	12	0	11	0	11	0					11	0		
6	8	0	11	0	11	0	11	0					11	0		
7	8	0	0	0			0	0					0	0		
8	0	0														
9	0	0	0	0	0	0							0	0		
10	0	0	0	0									0	0	0	0
11	0	0							0	0			0	0		
12	9	0	12	0	13	0							0	0		
13	8	0			12	0							0	0		
14	0	0	0	0	0	0							0	0		
15	0	10	0	13	0	13			0	0			0	12		
16	0	8	0	12	0	11			0	0			0	11		
17	0	0	0	0									0	0		
18	10	0	0	0					0	0			11	0		
19	11	0	14	0	0	26							14	0		
20	13	8	29	0	0	30			0	25			21	0		
21	16	6	28	0					0	28	13	11	18	0		
22	22	8	29	13					0	29			17	11		
23	22	7	25	11												
24	21	9	24	11							11	0	28	0		
25	18	8	24	11			11	11					23	11		
26	20	7														
27	19	7	23	11												
28	9	0	11	0			0	0					11	0		
29	11	0	0	0			0	0					11	0		
30	8	0	0	0	0	0										

Bulletin Werkgroep Zon — Oktober 1995

NVWS Werkgroep Zon. Secretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 0182-539082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	Kroe	Scho	vSlo	Sp 7	Vers	Zans	Zijle
1			0										
2	0				0				0			0	0
3	0			0	0				0				
4	0		0		0				0		0	0	0
5			0		0				0				
6	0		0	0	0				0			0	0
7				0					11				
8	12	13	11	12	11	11			12	14	11	12	11
9	32		27	27	11		24		24	28	12	12	27
10	32		32		12				36		38	28	33
11									59				
12	74				27	28			82		54		
13	72		64		26				68				
14	67				26				74	57			39
15	30	41		39	22				48	31	28	26	37
16	53			23	23				40				
17	42		39	25	22				39		28		26
18					22		36		26			26	
19	25		25	12	11				22				
20			24						33			22	22
21	37		22		22				36			36	22
22	27	30	31		11	11			42	27		11	26
23	30		29	35	11		37		34	31		25	31
24	33	30	33		12		38		32	27		27	31
25	31		28		11				30		13		27
26	14												
27			15										
28	12		12	11	0			12	12	12		13	
29	0	0	11	0	0		0	0	0	0		0	0
30	0		0		0				0	0			
31	0		0	0	0				0			0	0
observ	24	5	21	13	25	3	5	2	28	10	8	16	17
k	0,86	0,79	0,86	1,14	1,86	1,74	0,76	0,83	0,81	0,67	1,23	1,14	0,96
st.dev.	0,20	0,08	0,11	0,48	0,47	0,81	0,11	—	0,14	0,12	0,41	0,51	0,21
st.d./ k	0,24	0,10	0,12	0,42	0,25	0,47	0,15	—	0,17	0,13	0,34	0,45	0,22

Observers	[...] = Refractor, d = ... mm;	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	vSlo = B. van Slooten [90]
Gr 6 = Mw G. Gravers [60]	Jn 4 = D. Jannink [40]	Sp 7 = T. Spaninks [75]
Groe = A. Groenewegen [102]	Kroe = K. Kroesen [102]	Vers = D. Verschuuren [Rf 40]
Iden = J.A. Idenburg [Rf 125]	Scho = A. Scholten [60]	Zans = W. Zanstra [Rf 155]
		Zijle = W.A. Zijlema [90]

Sunspot Index Data Center

SUNSPOT BULLETIN

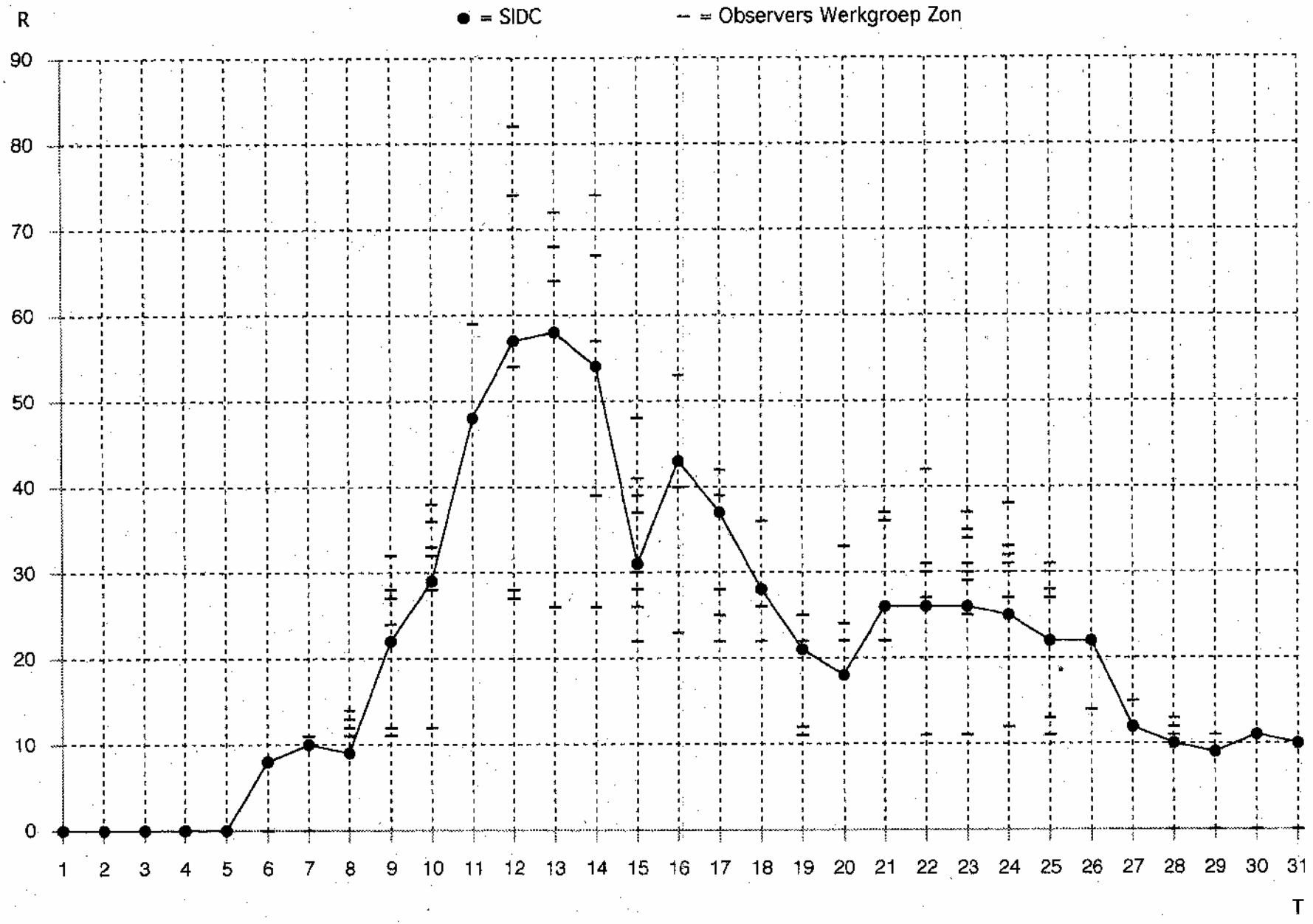
S.I.D.C. SUMMARY OF THE URSIGRAMS

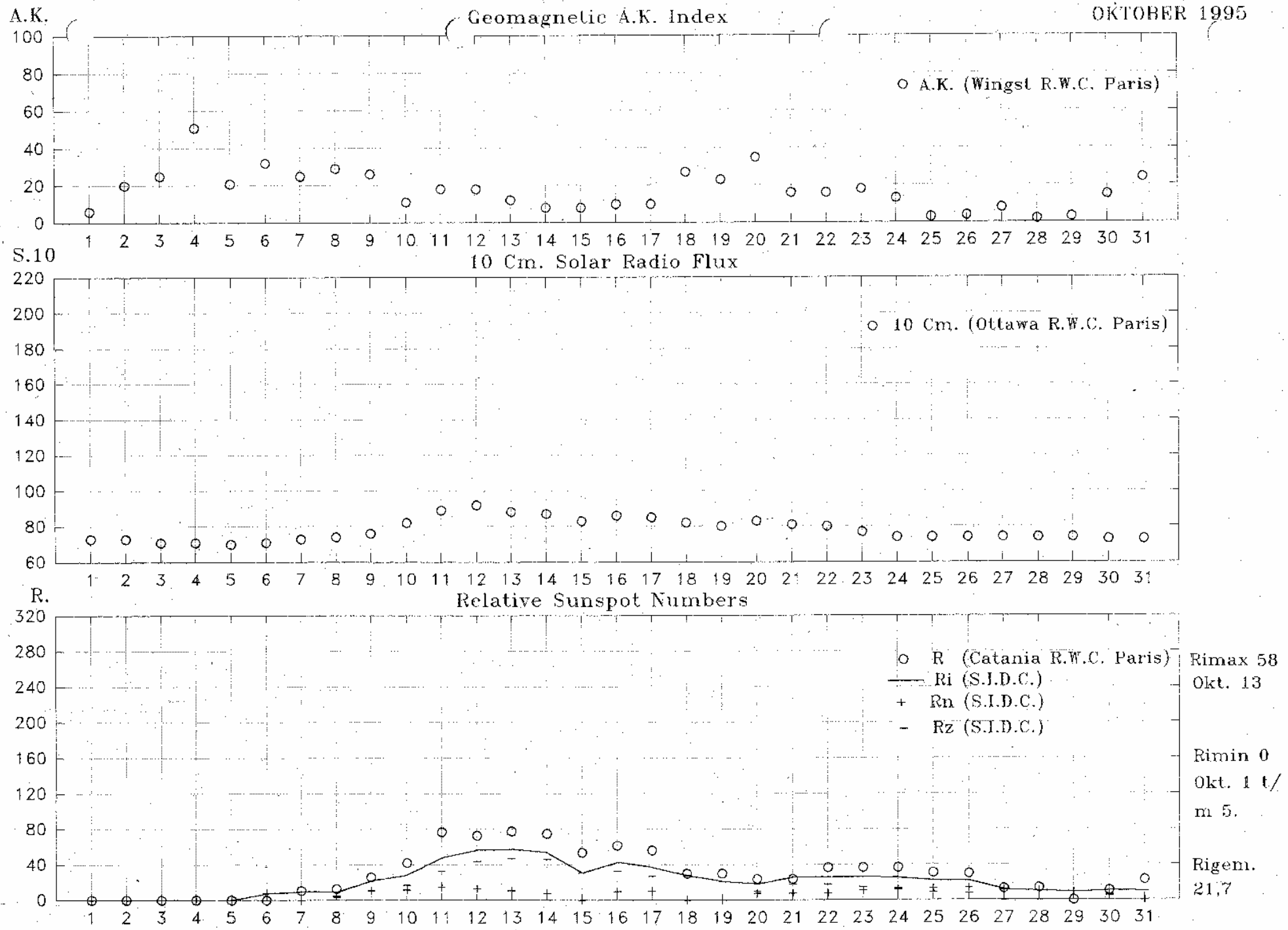
1995 OCTOBER R_{IM} = 21.7

Date	R_I	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
30	8	0	35	073	994	0	0/0	5		
1	0	0	34	073	991	0	0/0	6		
2	0	0	34	073	993	0	0/0	20		
3	0	0	34	071	994	0	0/0	25		mgst(1501)
4	0	0	33	071	997	0	0/0	51	1532	
5	0	0	33	070	999	0	0/0	21		
6	8	0	33	071	996	0	0/0	32		
7	10	1	34	073	996	0	0/0	25		
8	9	7	34	074	996	0	0/0	29		
9	22	19	34	076	1000	0	0/0	26		
10	29	27	34	082	999	4	0/0	11		
11	48	48	34	089	997	2	0/0	18		
12	57	82	35	092	992	9	1/0	18	1400	
13	58	88	37	088	994	18	1/0	12	1518	S1F,T(0501)
14	54	79	42	087	1000	17	0/0	8		
15	31	71	38	083	992	1	0/0	8		
16	43	65	37	086	993	1	0/0	10		
17	37	54	35	085	997	0	0/0	10		
18	28	43	35	082	-	1	0/0	27		mgst, ssc(1122)
19	21	22	35	080	-	2	0/0	23	1239	
20	18	12	35	083	-	5	1/0	35		SF,T (0510)p(0825
21	26	11	34	081	999	6	0/0	16		
22	26	20	34	080	994	0	0/0	16	0915	
23	26	20	35	077	996	0	0/0	18		
24	25	21	35	074	-	0	0/0	13		
25	22	19	32	074	992	0	0/0	3		
26	22	10	33	074	987	0	0/0	4		
27	12	6	33	074	998	0	0/0	8		
28	10	3	34	074	-	0	0/0	2		
29	9	0	34	074	-	0	0/0	3		
30	11	0	33	073	998	0	0/0	15		
31	10	0	33	073	-	0	0/0	24		

Very low to moderate solar activity at the middle of the month.

R_I, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
90
80
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
Geomagnetic A.K. Index
OKTOBER 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 58
Okt. 13
Rimin 0
Okt. 1 t/
m 5.
Rigem.
21,7

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

oktober 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	0	0			0	0										
2	0	0	0	0									0	0		
3	0	0	0	0			0	0					0	0		
4	0	0	0	0	0	0							0	0		
5	0	0			0	0							0	0		
6	8	0	0	0	0	0	0	0					0	0		
7	0	10					0	0					0	11		
8	5	4	0	12	0	11	0	12	0	11			0	12	0	14
9	11	11	15	17	12	15	13	14					11	13	13	15
10	12	17	17	15	17	15							20	16		
11	15	33											20	39		
12	13	44	15	59					0	28			21	61		
13	11	47	15	57	14	50							13	55		
14	8	46	11	56									12	62	0	57
15	0	31	0	30			0	39					0	48	0	31
16	10	33	12	41			0	23					13	27		
17	10	27	13	29	11	28	0	25					11	28		
18	0	28											0	26		
19	0	21	0	25	0	25	0	12					0	22		
20	8	10			11	13							11	22		
21	8	18	13	24	11	11							12	24		
22	8	18	13	14	11	20			11	0			13	29	13	14
23	11	15	13	17	11	18	0	35					14	20	13	18
24	12	13	17	16	15	18							16	16	13	14
25	13	9	20	11	17	11							19	11		
26	14	8	14	0												
27	12	0			15	0										
28	10	0	12	0	12	0	11	0			12	0	12	0		
29	9	0	0	0	11	0	0	0			0	0	0	0	0	0
30	6	5	0	0	0	0							0	0	0	0
31	0	10	0	0	0	0	0	0					0	0		

Bulletin Werkgroep Zon — November 1995

NVWS Werkgroep Zon. Secretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 0182-539082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	Kroe	Scho	vSlo	Sp	Vers	Zans	Zijle
1													
2	11			0	0				12			0	
3	0				0								
4	0	0	0		0				0		0	0	0
5	0	0	0		0			0	0			0	0
6	12		11		11				11		11		
7													
8					11								
9													
10	11		12	15			12						18
11	11	12			11				11		11		11
12	11	12	12		11				11	11	11		
13	11				11	11	11		11	11	11		
14					11		11		13				
15													
16					11							22	
17	36			11								35	
18	26	26	13	24	11		12		25		14	24	
19	13			12					13			13	12
20	13		15		11	11	13	14	17		12	13	
21	11		11	0	0				13		11	0	
22	11										11		
23	0		0		0				0				
24	0												
25	0	0	0		0				0		0	0	0
26	0	0	0	0	0				0			0	
27			0										
28			14		0		13		14				
29			17										
30													
observ	19	7	14	7	18	2	6	2	16	2	10	11	6
k	0,81	0,77	0,87	1,40	1,08	0,82	0,97	0,71	0,72	0,73	0,89	0,92	0,77
st.dev.	0,11	0,11	0,38	1,07	0,63	0,13	0,48	—	0,09	0,00	0,31	0,15	0,09
st.d./ k	0,14	0,14	0,44	0,77	0,58	0,16	0,49	—	0,13	0,00	0,35	0,17	0,12

Observers	[...] = Refractor, d = ... mm	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	vSlo = B. van Slooten [90]
Gr 6 = Mw G. Gravers [60]	Jn 4 = D. Jannink [40]	Sp 7 = T. Spaninks [75]
Groe = A. Groenewegen [102]	Kroe = K. Kroesen [102]	Vers = D. Verschuuren [Rf 40]
Iden = J.A. Idenburg [Rf 125]	Scho = A. Scholten [60]	Zans = W. Zanstra [Rf 155]
		Zijle = W.A. Zijlema [90]

Sunspot Index Date Center

SUNSPOT BULLETIN

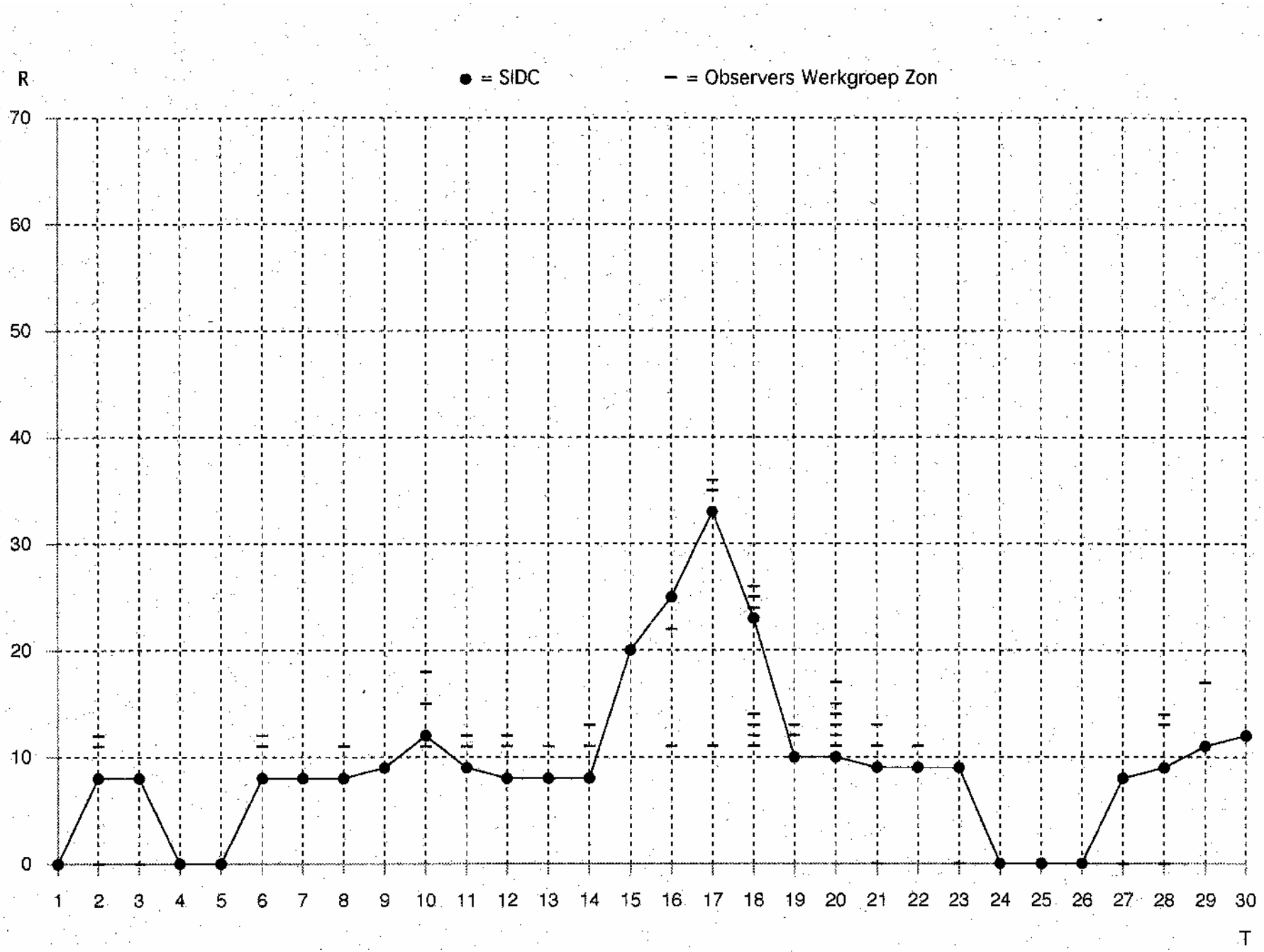
S.I.D.C. SUMMARY OF THE URSIGRAMS

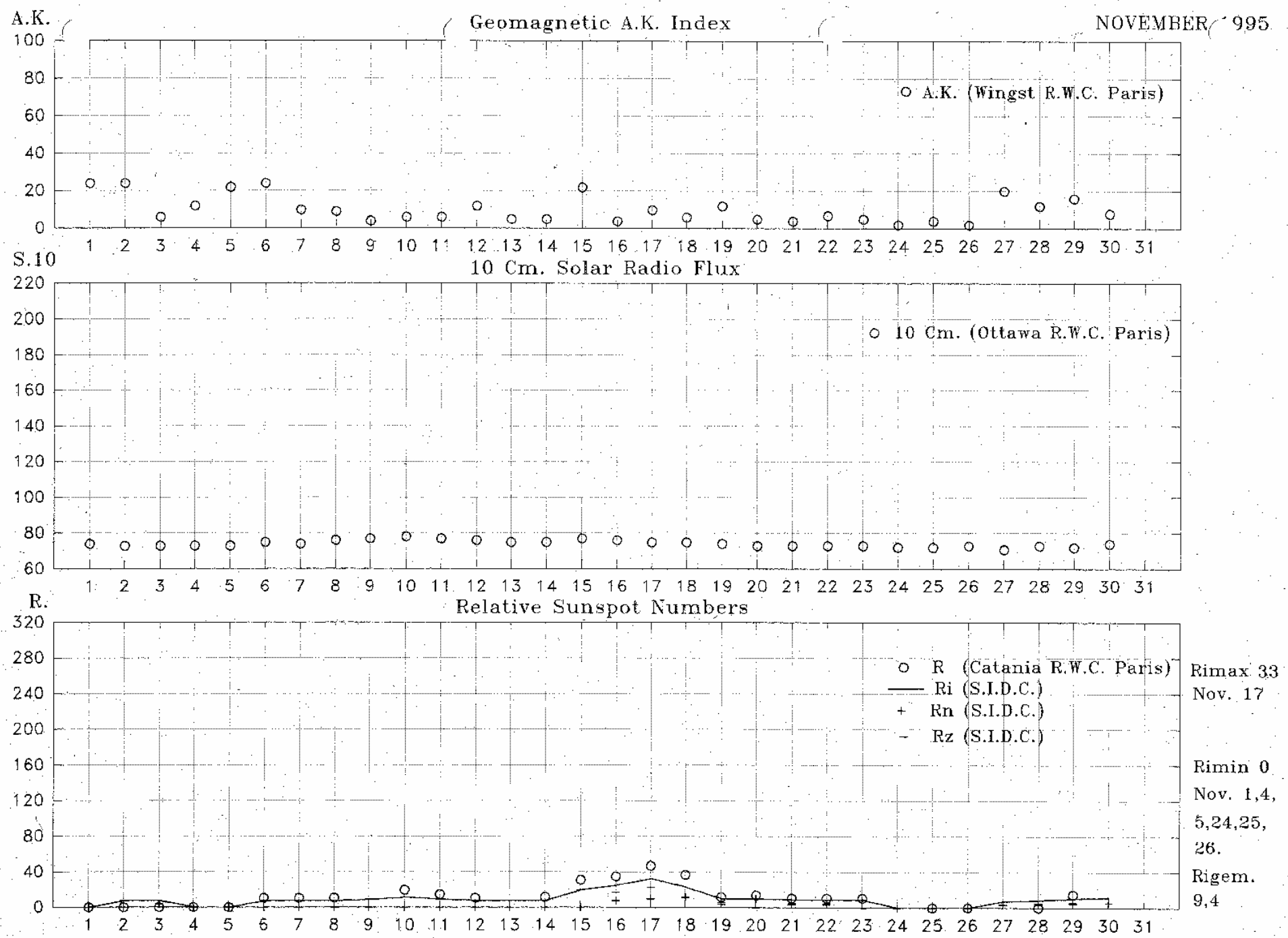
1995 NOVEMBER R_{IM} = 9.4

Date	R_I	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
31	10	0	33	073	-	0	0/0	24		
1	0	0	34	074	-	0	0/0	24		
2	8	0	34	073	994	0	0/0	24		
3	8	0	34	073	-	0	0/0	6		
4	0	0	34	073	999	0	0/0	12		
5	0	-	34	075	999	0	0/0	22		
6	8	3	35	075	-	0	0/0	24		
7	8	6	35	074	998	0	0/0	10		
8	8	14	35	076	-	0	0/0	9		
9	9	17	35	077	991	3	0/0	4		
10	12	23	35	078	997	1	0/0	6		
11	9	26	35	077	-	0	0/0	6		
12	8	24	35	076	997	0	0/0	12		
13	8	20	35	073	997	0	0/0	5		
14	8	23	35	075	999	0	0/0	5		
15	20	20	36	077	-	0	0/0	2		
16	25	15	35	076	996	2	0/0	4		
17	33	10	35	075	996	0	0/0	10		
18	23	11	37	075	990	0	0/0	6		
19	10	6	35	074	985	0	0/0	12		
20	10	17	35	073	983	0	0/0	5		
21	9	2	35	073	983	0	0/0	4		
22	9	3	-	073	983	0	0/0	7		
23	9	1	-	073	987	0	0/0	5		
24	0	-	-	072	985	0	0/0	2		
25	0	-	34	072	988	0	0/0	4		
26	0	-	35	073	995	0	0/0	2		
27	8	-	35	071	997	0	0/0	20		ssc(0828)
28	9	1	35	073	999	2	0/0	12		
29	11	4	35	072	1000	0	0/0	16		
30	12	11	35	074	999	0	0/0	8		

Very low to low solar activity,somewhat increasing from 16.

R_I, R_{IM} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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").


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
T


A.K.
Geomagnetic A.K. Index
NOVEMBER 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 33
Nov. 17
Rimin 0
Nov. 1,4,
5,24,25,
26.
Rigem.
9,4

Zonnevlekkengetallen noordelijk– en zuidelijk halfrond

(Hemispheric sunspot numbers)

november 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		Scholten		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	0	0														
2	0	8	0	11			0	0					0	12		
3	4	4	0	0												
4	0	0	0	0	0	0							0	0		
5	0	0	0	0	0	0					0	0	0	0		
6	0	8	0	12	0	11							0	11		
7	0	8														
8	0	8														
9	0	9														
10	0	12	0	11	0	12	0	15								
11	0	9	0	11									0	11		
12	0	8	0	11	0	12							0	11	0	11
13	0	8	0	11					0	11			0	11	0	11
14	0	8											0	13		
15	0	20														
16	8	17														
17	10	23	13	23			0	11								
18	12	11	15	11	13	0	0	24					11	14		
19	6	4	13	0			0	12					13	0		
20	10	0	13	0	15	0			11	0	0	14	17	0		
21	4	5	11	0	11	0	0	0					13	0		
22	5	4	11	0												
23	9	0	0	0	0	0							0	0		
24	0	0	0	0												
25	0	0	0	0	0	0							0	0		
26	0	0	0	0	0	0	0	0					0	0		
27	4	4			0	0										
28	5	4			14	0							14	0		
29	6	5			17	0										
30	6	6														

Bulletin Werkgroep Zon — December 1995

NVWS Werkgroep Zon. Secretariaat: Veenenburg 36, 2804 WZ Gouda. Tel: 0182-539082

Zonnevlekkengetallen (Sunspot numbers)

Day	Bals	Gr 6	Groe	Iden	Jn .9	Jn 4	Kroe	vSlo	Sp 7	Vers	Zans	Zijle
1			13	33							13	
2												
3					0						23	
4	22				11			22		11		
5	11			11	11	11	11	11		11	11	
6	12				11		12	12				
7	11		11		11			14				
8	12		11		11		11	11		11		
9			26									
10												
11												
12	17				11		14	15				
13	14				11				15	13		
14			11		11		11	11			11	
15											11	
16	0		0		0			0		0		
17					0					0		
18												
19												
20					0		11				11	
21	12											
22												
23												
24	0	0	0	0	0			0		0	0	0
25			0									
26			23		0			23			0	0
27	25	24	23	34	0			28	24	11	25	23
28	25		22	22	0		11	27	24	11		22
29	12	12	11		0		11	13	12	12	12	12
30	11	0		0	0			0			0	
31												
observ	14	4	12	6	18	1	8	14	4	10	11	5
k	0,80	0,75	0,87	0,76	1,00	1,27	0,94	0,79	0,72	1,17	0,89	0,77
st.dev.	0,17	0,00	0,20	0,35	0,24	—	0,30	0,16	0,04	0,40	0,28	0,02
st.d./k	0,22	0,00	0,23	0,44	0,24	—	0,32	0,23	0,06	0,35	0,31	0,02

Observers	[...] = Refractor, d = ... mm	[Rf...] = Reflector, d = ... mm
Bals = H.A.M. Balster [70]	Jn .9 = D. Jannink [9]	Sp 7 = T. Spaninks [75]
Gr 6 = Mw G. Gravers [60]	Jn 4 = D. Jannink [40]	Vers = D. Verschuuren [Rf 40]
Groe = A. Groenewegen [102]	Kroe = K. Kroesen [102]	Zans = W. Zanstra [Rf 155]
Iden = J.A. Idenburg [Rf 125]	vSlo = B. van Slooten [90]	Zijle = W.A. Zijlema [90]

Sunspot Index — Data Center

SUNSPOT BULLETIN

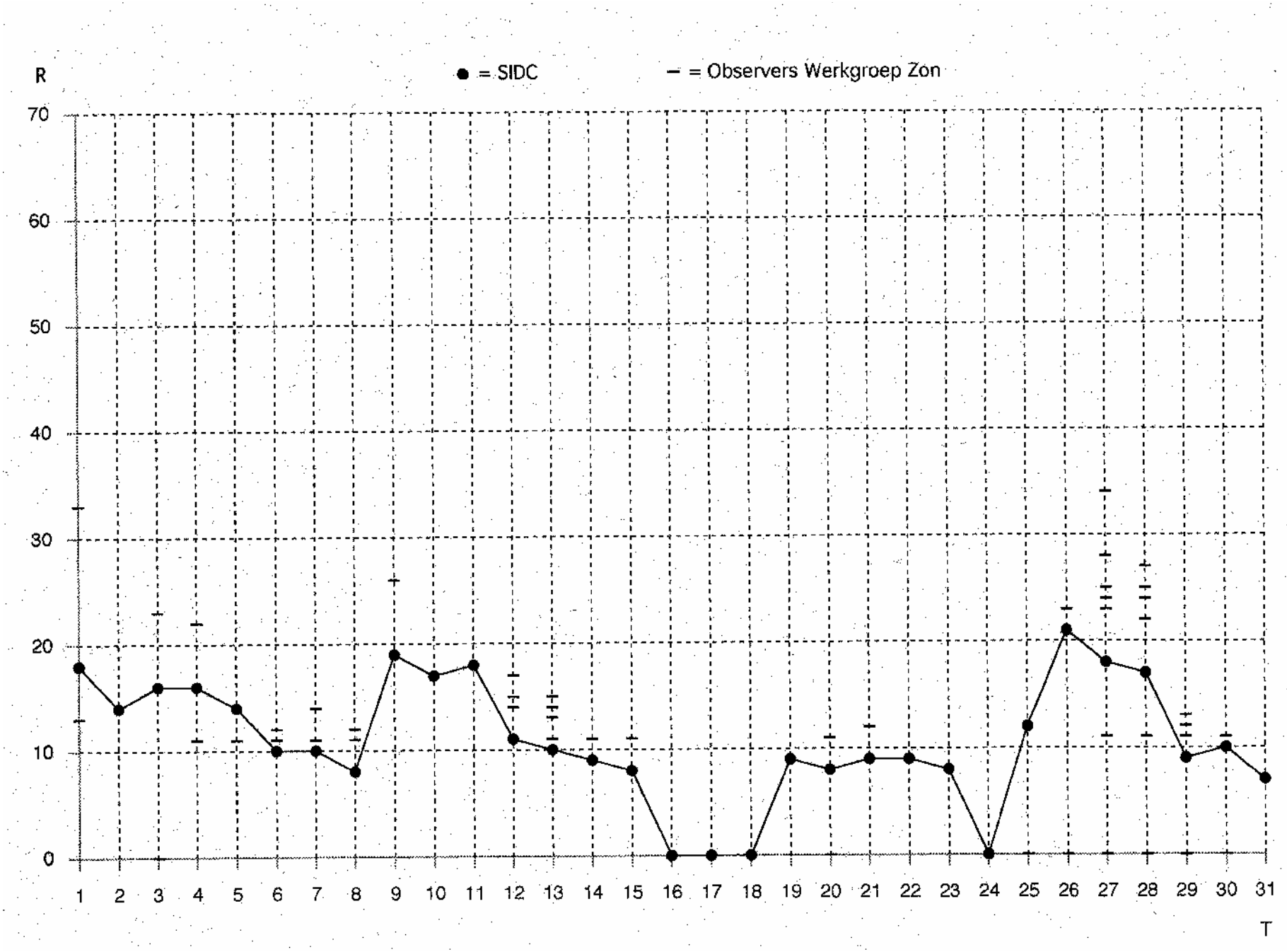
S.I.D.C. SUMMARY OF THE URSIGRAMS

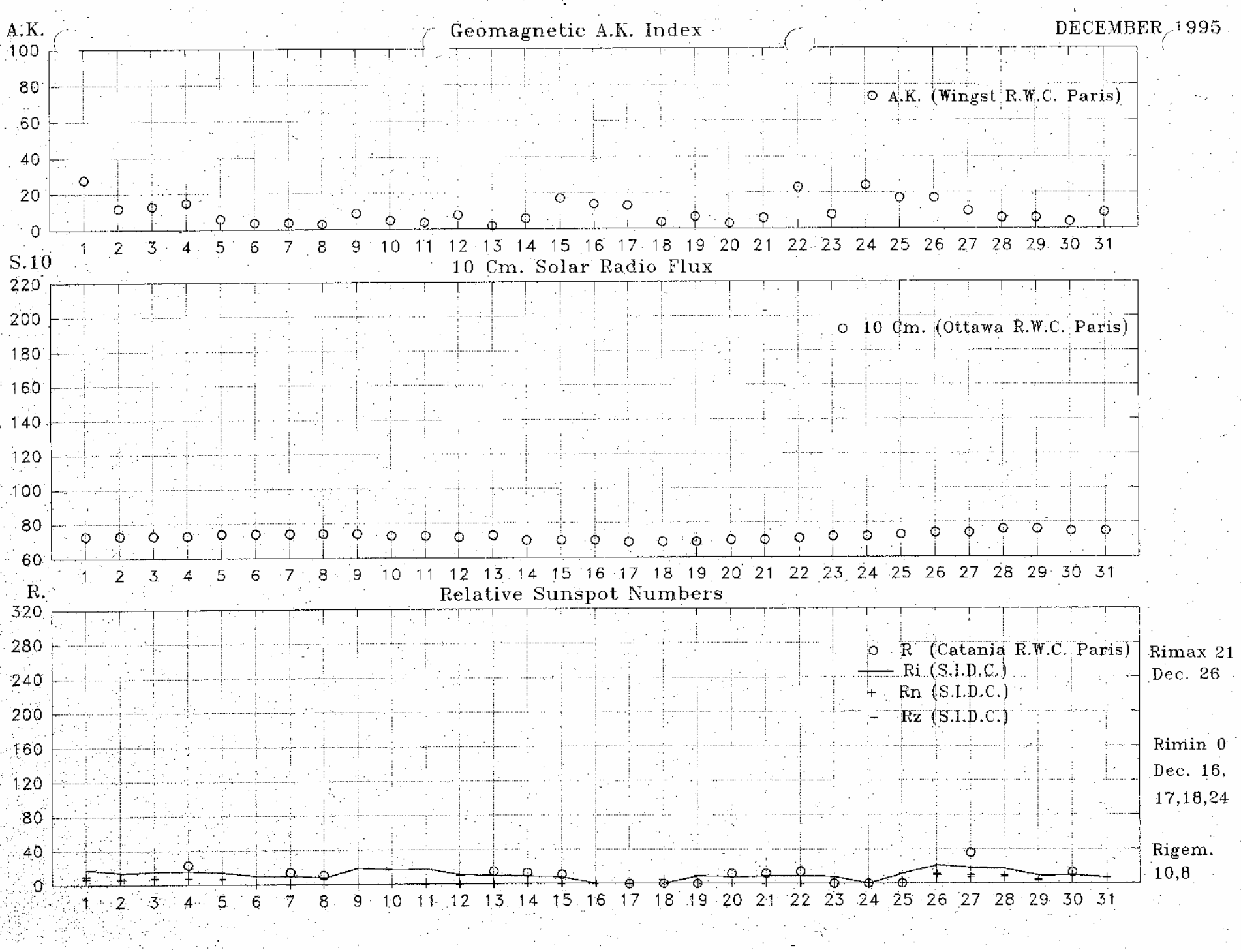
1995 DECEMBER R_{f_M} = 10.8

Date	Rf	PPSI	600	2800	COS	SFI	XI	Ak	SEA	MAG
30	12	11	35	074	999	0	0/0	8		
1	18	14	35	073	1000	0	0/0	28		
2	14	7	35	073	998	0	0/0	12		
3	16	3	34	073	993	0	0/0	13		
4	16	3	34	073	990	0	0/0	15		
5	14	7	35	074	985	0	0/0	6		
6	10	6	35	074	984	0	0/0	4		
7	10	18	-	074	985	0	0/0	4		
8	8	18	35	074	994	0	0/0	3		
9	19	13	35	074	989	0	0/0	9		
10	17	15	35	073	985	0	0/0	5		
11	18	14	35	073	985	0	0/0	4		
12	11	10	35	072	990	1	0/0	8		ssc (1541)
13	10	9	34	073	996	1	0/0	2		
14	9	3	35	070	-	0	0/0	6		
15	8	1	34	070	-	0	0/0	17		ssc (1515)
16	0	-	34	070	998	0	0/0	14		
17	0	-	33	069	990	0	0/0	13		
18	0	-	32	069	987	0	0/0	4		
19	9	0	32	069	987	0	0/0	7		
20	8	1	32	070	988	0	0/0	3		
21	9	1	31	070	996	0	0/0	6		
22	9	1	30	071	993	0	0/0	(15)		
23	8	0	31	072	994	0	0/0	(7)		
24	0	-	32	072	1000	0	0/0	(22)		mgst-ssc(0600)
25	12	1	32	073	1000	0	0/0	(10)		
26	21	2	33	074	995	0	0/0	17		
27	18	5	33	074	996	2	0/0	10		
28	17	3	34	076	998	0	0/0	6		
29	9	1	34	076	-	0	0/0	6		
30	10	1	35	075	-	0	0/0	4		
31	7	2	35	075	-	0	0/0	9		

Very low solar activity during the whole month-some geomagnetic activity.

R_f, R_{f_M} : 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 - UGEOR group 3).
XI : X-flares index from the Ursigrams (M-flares/X-flares) (origin : Ursigrams - UGEOR 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); I-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").


R
● = SIDC
– = Observers Werkgroep Zon
70
60
50
40
30
20
10
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
T


A.K.
Geomagnetic A.K. Index
DECEMBER 1995
A.K. (Wingst R.W.C. Paris)
S.10
10 Cm. Solar Radio Flux
10 Cm. (Ottawa R.W.C. Paris)
R.
Relative Sunspot Numbers
R (Catania R.W.C. Paris)
Ri (S.I.D.C.)
Rn (S.I.D.C.)
Rz (S.I.D.C.)
Rimax 21
Dec. 26
Rimin 0
Dec. 16,
17,18,24
Rigem.
10,8

Zonnevlekkengetallen noordelijk- en zuidelijk halfrond

(Hemispheric sunspot numbers)

december 1995

	S.I.D.C.		Balster		Groenew.		Idenburg		Jannink 4		v. Slooten		Spaninks	
Day	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs	Rn	Rs
1	10	8			13	0	33	0						
2	8	6												
3	8	8												
4	8	8	0	22							11	11		
5	7	7	0	11			0	11	0	11	0	11		
6	0	10	0	12							0	12		
7	0	10	0	11	0	11					0	14		
8	0	8	0	12	0	11					0	11		
9	0	19			0	26								
10	0	17												
11	0	18												
12	0	11	0	17							0	15		
13	0	10	0	14									0	15
14	0	9			0	11					0	11		
15	0	8												
16	0	0	0	0	0	0					0	0		
17	0	0												
18	0	0												
19	0	9												
20	0	8												
21	0	9	0	12										
22	0	9												
23	0	8												
24	0	0	0	0	0	0	0	0			0			
25	0	12			0	0								
26	11	10			0	23					11	12		
27	8	10	11	14	11	12	11	23			13	15		
28	9	8	12	13	11	11	0	22			13	14	12	12
29	5	4	12	0	11	0					13	0	12	0
30	10	0	11	0			0	0			0	0		
31	7	0												