UNION RADIO - SCIENTIFIQUE INTERNATIONALE

International Scientific Radio Union

U. R. S. I.

BULLETIN MENSUEL — MONTHLY BULLETIN

AOUT 1938 — AUGUST 1938

I N F O R M A T I O N S

Le Secrétariat Général s'excuse de ne pouvoir, par suite du surcroît de besogne causé par la préparation de l'Assemblée Générale, faire paraître dans ce Bulletin les renseignements communiqués par M. le Prof. J. ZENNECK, Président du Comité National Allemand de l'U.R.S.I., et relatifs aux observations concernant les évanouissements brusques sur ondes courtes du 14 Février 1936 au 31 Juillet 1937. (Beobachtungen über Kurzzeitiges Aussetzen in Kurzwellen-Funkdienst).

Ces renseignements paraîtront dans un prochain Bulletin.

D O C U M E N T S

COMITE NATIONAL FRANÇAIS - FRENCH NATIONAL COMMITTEE

N° 511 - Renforcement des atmosphériques et évanouissements brusques pour la période du 12 au 30 Juin 1938.

U R S I G R A M M E S - U R S I G R A M S

COMITE NATIONAL AMERICAIN

U.S.A. NATIONAL COMMITTEE

I.- PROGRAMME - PROGRAM

Voir Bulletin n°2 - Février 1938, p.26.

See Bulletin n°2 - February 1938, p.26

II.- CODE

Voir Bulletin n°2, page 28.

See Bulletin n°2, p.28

III.- RENSEIGNEMENTS COSMIQUES - COSMIC DATA

Toutes les valeurs sont réunies par Science Service sous la garantie du Comité National Américain de l'U.R.S.I.

All data are collected by Science Service under the sponsorship of the American National Committee of the U.R.S.I.

M.A.G.

Les données proviennent du U.S. Coast and Geodetic Survey, Cheltenham, Md.

Amplification: Donnée pour 24 heures, se terminant à 7 h. du soir E.S.T. du jour indiqué

Data from U.S. Coast and Geodetic Survey, Cheltenham, Md.

Amplification : Given for 24 hours ending 7 p.m., E.S.T. date given.

Date	Ursigrams	Amplification
1938 June 12	15XXX	Magnetic elements were moderately disturbed to 6 a.m. June 12, then quiet to 12:56 p.m. June 12, then moderately disturbed Characterized by sudden changes of horizontal intensity at 12,56 p.m. with a range of about 74 gammas and at 6.40 p.m.June 12 with a range of about 135 gammas.
13	259XX	Moderately disturbed.

1938 June 14	3595X 0220X	Moderately disturbed until 9.20 p.m. June 13, then quiet.
15	43XXX	Quiet
16	53XXX	Quiet until 2 a.m. June 16, then slightly disturbed.
17	63XXX	Quiet
18	73XXX	Quiet
19	13XXX	Quiet
20	23XXX	Quiet until 3 p.m. June 20, then slightly disturbed.
21	33XXX	Slightly disturbed
22	43XXX	Slightly disturbed to 5 a.m. June 22, then quiet
23	53XXX	Quiet
24	63XXX	Quiet
25	73XXX	Quiet
26	13XXX	Quiet
27	23XXX	Quiet
28	33XXX	Quiet
29	43XXX	Slightly disturbed
30	53XXX	Slightly disturbed
July 1	65XXX	Slightly disturbed to 11 p.m. June 30 then moderately disturbed to 6 a.m. July 1, then slightly disturbed to 5 p.m. July 1, then moderately disturbed.
2	75XXX	Slightly disturbed until 11 p.m. July 1, then moderately disturbed to 2 a.m. July 2, then slightly disturbed.
3	13XXX	Quiet to midnight July 2, then slightly disturbed to 1 a.m. July 3, then quiet.

1938 July		
4	2593X 1204X	Quiet until 7.04 a.m. July 4, then moderatel disturbed with the greater part of the acti vity occurring between 3 et 5 p.m. July 4.
5	3595X 0700X	Moderately disturbed until 2 a.m. July 5, then quiet until 6 a.m. July 5, then slight -ly disturbed.
6	43XXX	Slightly disturbed until 1 p.m. July 6, then quiet.
7	53XXX	Quiet
8	63XXX	Quiet
9	759XX	D and Z quiet. H quiet until 2.54 p.m. July 9, then moderately disturbed.

CARACTERISTIQUES MAGNETIQUES: . MAGNETIC CHARACTER :

Les explications des renseignements fournis sont données dans le Bulletin Mensuel de Janvier 1938, n°1, page 11

Explanation of data are given in the Monthly Bulletin of January 1938, n°1, p.11

Date	Magnetic Character Magnetic Observatories of the U.S.A. Coast and Geodetic Survey Mean Value		Magnetic Character Mac Gregor Expedition	
	0h - 12h	12h - 24h	0h-12h	12h - 24h
1938 May 22	---	---	0.5	0.5
23	---	---	0.5	0.5
24	---	---	0.5	1.0
25	---	---	0.5	1.5
26	---	---	0.5	0.5
28	---	---	1.0	1.0
29	---	---	0.5	0.5
30	---	---	0.5	0.5
31	---	---	0.5	0.5
June 1	---	---	0.5	0.5
2	---	---	0,5	0.5
3	---	---	0.5	0.5
4	---	---	0.5	0.5
5	---	---	0.5	1.0
6	---	---	0.0	0.5
7	---	---	0.0	0.5
8	---	---	1.0	1.5

9	---	---	1.0	1.5
10	---	---	0.5	0.5
11	0.6	0.6	0.5	1.5
12	0.8	1.1	0.5	1.0
13	1.3	0.8	1.0	1.0
14	0.6	0.1	0.5	0.5
15	0.0	0.0	0.5	0.5
16	0.1	0.3	0.5	0.5
17	0.0	0.1	0.5	0.5
18	0.1	0.0	0.5	0.5
19	0.1	0.3	0.5	1.0
20	0.0	0.1	0.5	0.5
21	0.5	0.5	0.5	1.0
22	0.5	0.0	0.5	1.0
23	0.0	0.0	0.5	0.5
24	0.1	0.1	0.5	1.0
25	0.0	0.0	0.5	0.5
26	0.1	0.1		---
27	0.0	0.1		
28	0.0	0.0		
29	0.0	0.2		
30	0.2	0.3		
July 1	0.7	0.6		
2	0.6	0.1		
3	0.1	0.0		
4	0.2	1.6		
5	0.9	0.6		
6	0.8	0.4		
7	0.0	0.1		
8	0.0	0.0		

S. O. L.

Données fournies par l'Observatoire du Mont Wilson. | Data from Mount Wilson Observatory.

Date	S.O.L.	Date	S.O.L.
1938 June 9	51140+	1938 June 24	60675
10	6XXXX	25	70670
11	7XXXX	26	10880
12	11110+	27	21185
13	21175+	28	31075
14	31185+	29	41120+
15	40955+	30	50870+
16	51078	July	
17	61060	1	60940+
18	70575	2	71035+
19	1XXXX	3	10915+
20	20670	4	20955+
21	30875	5	31295
22	40705+	6	41450+
23	50680		

\+ Add 100 to number of spots

K. H. L.

Renseignements du National Bureau of Standards

Data from National Bureau of Standards.

For June 15

3417X 72039
25011 72042
40012 80043
405XX 80065
41023 84048
42018 88065
50033 900XX
54049
62035

For June 22

3417X 52058
25011 54047
35012 60056
40016 62052
41321 64049
44022 70069
48030 720XX
500XX

For June 29

3417X 52057
25011 56045
35012 64042
38515 70045
390XX 70052
39521 72047
405XX 72072
41026 78055
42518 800XX
48028

For July 6

3417X 64041
25012 72045
42012 72051
42022 74044
44012 74070
44021 78046
54039 80051
58044 820XX

MANILA URSIGRAMS : received at Navy Department.

M.A.G. for June 1 to June 15, 1938

June 1 - 459XX 559XX 739XX 159XX 259XX 379XX 475XX
675XX 659XX 759XX 175XX 275XX 359XX 43XXX

June 16- 559XX 659XX 759XX 159XX 259XX 359XX 459XX
539XX 659XX 759XX 159XX 259XX 33XXX 403XX
553XX

JAPANESE URSIGRAMS : from Tokyo Radio Station JAP 11980 kc. intercepted 5 a.m. P.S.T. by the R.C.A. San Francisco Station.

June 18 :

S.O.L. : 5XXXX 6XXXX 71070 1XXXX 2XXXX 3XXXX 4XXXX

P.R.O. : 5XXXX 6XXXX 76231 1XXXX 2XXXX 3XXXX 4XXXX

M.A.G. : 80921 12210

K.H.L. : 71503 XX113 46356 12500

F.A.N. : Nil

June 25 :

S.O.L. : 5XXXX 6XXXX 70766 1XXXX 2XXXX 3XXXX 40719 Add 100 to number of spots on Wednesday.

P.R.O. : 5XXXX 6XXXX 72522 1XXXX 2XXXX 3XXXX 43161 Saturday East Limb. broad prominence breadth 320 000 km, Height 60 000 km.

M.A.G. : 81610 01010

K.H.L. : 72203 15215 15415 25600

F.A.D. : Nil.

July 2 :

S.O.L. : 5XXXX 60514 7XXXX 10775 21288 3XXXX 4XXXX Friday add 100 to number of spots

P.R.O. : 5XXXX 6XXXX 7XXXX 14172 24141 3XXXX 4XXXX

M.A.G. : 72300 01001

K.H.L. : 72903 13213 47400 00600

F.A.D. : Nil

July 9 :

S.O.L. : 50806 6XXXX 7XXXX 1XXXX 2XXXX 3XXXX 41143 Add 200 to number of spots on Thursday and Wednesday.

P.R.O. : 54232 6XXXX 7XXXX 1XXXX 2XXXX 3XXXX 44131

M.A.G. : 83012 21421

K.H.L. : 70603 XX213 50400 06000

F.A.D. : 50610 70730

COMITE NATIONAL FRANCAIS

FRENCH NATIONAL COMMITTEE

I.- PROGRAMME ET CODE - PROGRAM AND CODE

Le programme et le code des Ursigrammes émis sous les auspices du Comité Français de Radiotélégraphie Scientifique ont été publiés dans " L'Onde Electrique " Vol. 10, n°120, Décembre 1931, p. I à X.

Program and code of Ursigrams emitted under the auspices of the French Radioscientific Committee, are contained in " L'Onde Electrique " Vol.10, n°120, December 1931, p.I to x.

II.- RENSEIGNEMENTS - DATA

DATE	Bulletin Météorologique Quotidien B.A.R.								Activité solaire S.O.L.
	Lignes Isobares				Zones des basses pressions		Zones des hautes pressions		
	Val de la ligne (mb.)	Coordonnées							
1938 Juin 20	1015	14735 15700	14923	15913	75827	992	94809	1032	22232
21	1015	15030 15515	15826 15510	15720 15500	76108	990	93528 94906	1031 1026	33231 322XX
22	1015	14730 15328 15700	15421 16020	15936 16113	75137	1000	95715 94713 93327	1022 1028	43231 321XX
23	1015	14930 15506 16300	14924 16116	15318 16608	75627	1000	93530	1030	53332 38181 5224X
24	1015	14830 15311	14825 15108	14917 15300	75804 75723 74305	1003 990 1013	93530	1032	63230 38288 5214X

1938 Juin 25	1015	15230	15325	14915	75800	992	93630	1030	72341
		15008	15000	14603	76800	1000			38383
		14400			74000	1012			5204X
		24200	23904	23700					
26	1015	14730	15015	15306	75722	995	93530	1032	12241
		15200					94018	1031	38484
									5214X
27	1015	14830	15020	14915	76703	988	93728	1031	23341
		14611	14705	14700	75803	978			5224X
					73103	1008			
		23600	23405	23013					
28	1015	15542	15035	14825	76123	988	93524	1031	33341
		14515	14705	14700	75516	978			5838X
					73200	1008			
		23900	23602	23706	73012	1013			
		23004							
		33010	33212	33114					
		32913							
29	1015	16540	16238	15441	75816	993	94521	1026	
		14920	14810	14305	74428	1019	93827	1027	42341
		14700							5844X
		24200	24203	23704					
		23112							
30	1015	15833	15218	14414	76300	988	94432	1033	5XXXX
		14515	14505	13807	74200	1008			
		13504							
Juill. 1er	1015	16710	16522	16022	76300	1000	94031	1034	6XXXX
		14608	14305	13707					
		13504	13405	13309					
		13013							
2	1015	15225	16113	15104	76227	1003	94231	1036	73334
		15000							36040
									784XX
		27008	26613	26825					
		26040							
3	1020	15125	14918	15015	76217	998	97230	1017	1XXXX
		15010	15000				94228	1038	
		23600	23506	23313					
		23016							

1938 Juill.									
4	1020	15536	14613	14400	75810	995	94035	1037	2XXXX
		23600	23709	23110					
		22914							
5	1015	16035	15325	15417	75754	995	93740	1035	35432
		14605	14600						36463
									38422
		23100	23503	23209					345XX
		22913							
6	1015	17000	16617	15522	76201	1000	94540	1031	45421
		14312	14908	15000					36564
									38521
		23800	23506	23010					344XX
7	1015	16700	16317	15815	75006	993	94135	1033	55421
		14513	13505	13005					36665
									38043
8	1015	16800	16419	15512	75403	995	93931	1035	65431
		14705	14700						38142
									344XX
		23400	23305	23007					
9	1015	16800	16215	15505	76051	1000	94126	1036	75422
		15200			76123	1010			38241
									343XX
		23400	23305	23007					
10	1015	15526	15310	15300	76303	1000	94419	1035	1X422
		27100	27415						
		33400	33405	33211					
		33012							
11	1015	15032	15124	15010	76502	993	94223	1032	2XXXX
		15000							
12	1015	15131	15117	15015	76505	996	94230	1032	3XXXX
		14600			76028	996			
13	1020	15135	14729	15010	74007	1010	93830	1031	45532
		14805	14700		76123	990			36342
					76903	993			
		24300	24508	24010					
		23026							
14	1020	14535	15037	15732	76708	994	94605	1021	55533
		15322	14813	14318	76312	990	94926	1028	36441
		13812	13214	12820	74309	1012	93730	1032	

1938 Juill.									
15	1020	14530	15026	15818	76705	1004	94818	1029	6XXX
		15909	15510	15007			93630	1032	
		14605	14013	13516					
		12922							
16	1020	15533	15026	14721	76222	995	94810	1027	75482
		15018	15515	16006	75422	1010	93817	1026	36661
		16300	16305				93632	1031	
		25900	25705	25204					
		25100							
		34200	34407	34010					
		33213	33020						
17	1020	15130	15720	15213	76510	998	93732	1032	14441
		15503	15300		74207	1018			362XX
		24200	24408	24111					
		23909	23513	23022					
18	1020	15032	15317	15612	77202	1004	94910	1028	2XXXX
		15705	15600		76233	992			
	1020	24000	24207	24213					
		24419	24023						
19	1015	15935	15624	15612	76518	996	94734	1025	3XXXX
		15705	15600				94909	1025	
		23600	23407	23709					
		22915	23122	22824					
20	1020	14532	14826	15322	76617	994	95018	1027	44442
		15615	15210	15000	75434	1000	94134	1028	365XX
		14804	14701	14605					
		14313	14020	13624					
		13530							
21	1015	15130	15024	15114	76611	1000	95700	1021	53341
		15510	16006	16208	75922	990	94512	1026	
		16400					94534	1027	
	1015	24100	24008	23605					
		23613	23316	23213					
		22818							
22	1015	15735	15410	15210	76418	948	94631	1028	62341
		15502	16300		74406	1012			
		24800	24508	23506					
		23114	23010						

1938 Juill.									
23	1015	15033	14823	15708	73301	1005	93919	1025	73341
		16400			75929	1000			
					76813	995			
		25800	25502	25500					
		35400	35104	34708					
		34400							
		44200	43708	43507					
		42916							
24	1015	15433	14824	14317	75717	1000	94333	1025	14441
		14906	15000		76327	1000	93618	1025	
					77415				
		23700	23707	23011					
25	1015	14032	14325	14222	76322	996	93327	1022	24441
		14609	15300		76413	993			
		23700	23306	23008					
26	1015	14730	15120	15010	77235	1004	93732	1026	3XXXX
		15200			76110	1000			
		23700	23406	23011					
27	1015	15125	14813	15005	76018	1000	93633	1025	43442
		15900							
		23500	23405	23009					
28	1015	14524	14815	14506	75815	1000	93531	1025	53435
		14700					93714	1023	764XX
		24200	24007	23504					
		23007							
		37100	37211	37500					
29	1015	15031	14016	14208	75821	995	93728	1024	
		13306	13017				93714	1023	62240
30	1015	15040	15334	14823	76408	996	93639	1024	72332
		14620	13932	14024	75413	999			
		15200			74039	1022			
31	1015	14975	14252	15545	76665	998	94535	1029	12332
		15830	15520	15910	75920	1010			
		15500			74415	1028			
		24400	24008	22520					

COMITE NATIONAL JAPONAIS

JAPANESE NATIONAL COMMITTEE

I.- PROGRAMME ET CODE - PROGRAM AND CODE

Le programme et le code des Ursigrammes Japonais ont été publiés dans le " Report of Radio Research in Japan " Vol.VI, n°3, Décembre 1936, p.u.13 (Document URSI n°469) et dans le Bulletin des Ursigrammes de l'U.R.S.I. (Document n°467).

Program and code of Japanese Ursigrams are published in " Report of Radio Research in Japan " Vol. VI, n°3, December 1936, p.u. 13 (URSI Document n°469) and in the Ursigrams paper of U.R.S.I. (Document n°467).

Des copies de ce document peuvent être obtenues en s'adressant au Secrétariat Général de l'URSI à Bruxelles.

Copies of this paper are sent on request by the General Secretariat in Brussels

---

II.- URSIGRAMMES - URSIGRAMS

DATE	Sunspot		Prominence				Terrestrial Magnetism	Kennelly-Heaviside Layer Heights			Fade outs in Radio Communications GMT
	Groups	Spots	Number		Area		State	Near. hour GMT.	Freq.	Ht.	
			E	W	E	W					
									Kc/s.	km.	
1938 May											
1	10	119	11	7	33	17	Calm				
2	13	124	..	..	..	..	Rather calm				
3	..	...	..	..	..	..	Rather calm				
4	..	...	..	..	..	..	Slight disturbance	0300	6,000	340	
									8,000	340	
									10,000	370	
									12,000	410	
									14,000	+	
5	..	...	..	..	..	..	Rather calm				
6	..	...	..	..	..	..	Rather calm				
7	..	...	..	..	..	..	Calm				
8	..	...	..	..	..	..	Calm				

1938 May											
9	14	111	10	7	21	5	Calm				
10	13	127	10	5	18	7	Calm				
11	12	197	6	10	7	10	Storm with rather sudden commencement	0300	8,000 10,000 12,000 14,000	370 390 440 +	
12	12	100	4	9	7	11	Slight disturbance				
13	12	138	8	6	12	7	Calm				
14	12	112	6	8	17	11	Slight disturbance				
15	11	136	9	5	21	4	Rather calm				
16	..	...	..	..	..	..	Rather calm				
17	..	...	..	..	..	..	Rather calm				
18	..	...	..	..	..	..	Calm	0300	4,000 6,000 8,000 10,000 12,000	130 360 380 450 +	
19	..	...	..	..	..	..	Calm				
20	8	139	7	13	13	31	Calm				
21	..	...	..	..	..	..	Rather calm				
22	..	...	..	..	..	..	Calm				
23	..	...	..	..	..	..	Calm				
24	11	210	7	10	19	16	Rather calm				0240
25	..	...	..	..	..	..	Rather calm	0300	6,000 8,000 10,000 12,000 14,000	420 380 420 570 +	
26	26	158	7	11	26	15	Calm				
27	11	127	4	5	16	7	Calm				
28	..	...	..	..	..	..	Slight disturbance				
29	9	89	9	11	18	16	Slight disturbance				
30	8	84	8	9	11	9	Slight disturbance				
31	9	85	7	7	15	11	Rather calm				
JUNE											
1	9	76	6	7	9	12	Rather calm	0300	6,000 8,000 10,000 12,000 14,000	390 410 530 + +	
2	7	58	12	5	15	8	Rather calm				
3	9	113	7	8	22	10	Calm				
4	8	128	9	4	29	13	Calm				
5	8	74	8	7	17	22	Rather calm				
6	8	72	8	10	35	19	Rather calm				

1938 June										
7	13	130	6	9	19	12	Storm with sudden commencement			
8	..	...	..	..	..	..	Slight disturbance	0600	6,000	150
									8,000	500
									10,000	680
									12,000	+
									14,000	+
9	..	...	..	..	..	..	Slight disturbance			
10	..	...	..	..	..	..	Rather calm			
11	10	70	12	6	21	11	Rather calm			
12	..	...	..	..	..	..	Slight disturbance			
13	..	...	..	..	..	..	Slight disturbance			
14	..	...	..	..	..	..	Rather calm			
15	..	...	..	..	..	..	Calm	0300	4,000	130
									6,000	460
									8,000	560
									10,000	120
									12,000	+
16	..	...	..	..	..	..	Rather calm			
17	..	...	..	..	..	..	Calm			
18	7	66	4	3	15	16	Calm			
			(East limb broad prominence, breadth 320000 km, height 60000 km)							
19	..	...	..	..	..	..	Rather calm			
20	..	...	..	..	..	..	Calm			
21	..	...	..	..	..	..	Rather calm			
22	7	119	6	11	10	13	Calm	0300	4,000	150
									6,000	150
									8,000	150
									10,000	150
									12,000	250
									14,000	+
23	..	...	..	..	..	..	Calm			
24	5	114	..	..	..	..	Calm			
25	..	...	..	..	..	..	Calm			
26	7	75	7	13	12	19	Rather calm			
27	12	88	7	8	12	17	Calm			
28	..	...	..	..	..	..	Calm			
29	..	...	..	..	..	..	Rather calm	0300	4,000	130
									6,000	130
									8,000	470
									10,000	+
									12,000	+
									14,000	+
30	8	206	8	6	16	17	Rather calm			0610

.. = No observation + = No echo

UNION RADIO - SCIENTIFIQUE INTERNATIONALE

International Scientific Radio Union

U. R. S. I.

BULLETIN MENSUEL

SEPTEMBRE 1938

MONTHLY BULLETIN

SEPTEMBER 1938

SOMMAIRE - CONTENTS