Untitled

Forms Included: Monthly (88503), f Plot (B-44287 86-514), Tracing X14 (86-501), Short Wave (BL-2A), Field Requisition (86-515), Log (C2, C3, C4-A), Notes (86-506)

NOAA FORM 86-503
(11-73)

IONOSPHERIC DATA

WDC-A FOR SOLAR-TERRESTRIAL PHYSICS
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE (E7GC)
BOULDER, COLORADO 80303 U.S.A.

_____, _____ _____, 19___
(Characteristic) (Unit) (Month)

Observed at _____

Lat. _____, Long. _____ Mean Time _____

Sweep _____ Mc to _____ Mc in _____ min

Manual ☐ Automatic ☐

_____ (Institution)

Scaled by: _____, _____

Calculated by: _____, _____

Day	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1																										
2																										
3																										
4																										
5																										
6																										
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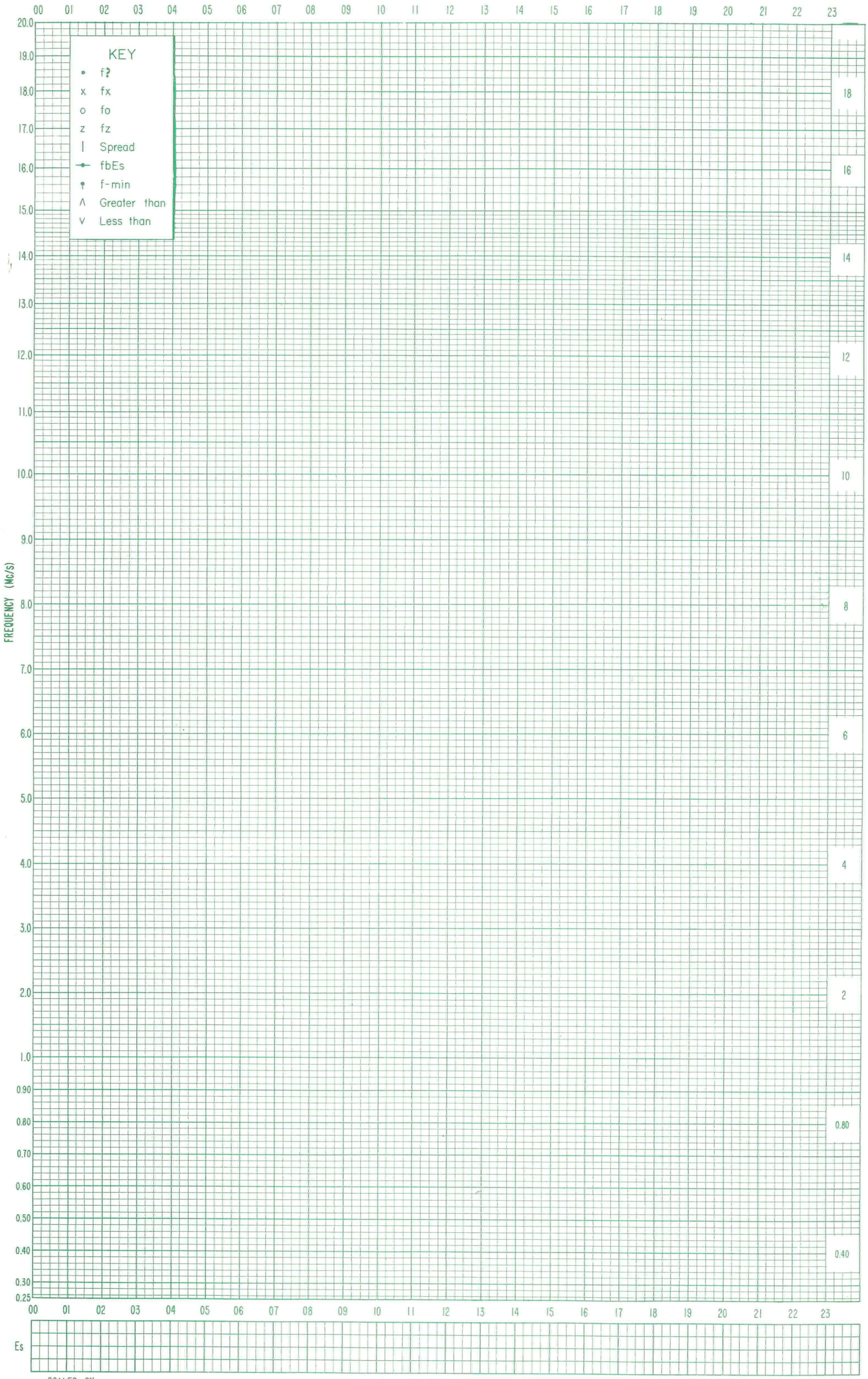
29																										
30																										
31																										
Upper Quartile																										
Lower Quartile																										
Quartile Range																										
Count																										
Median																										



SCALED BY _____

STATION _____

CRPL FORM 7-L3 10-1-62
COMMERCE - STANDARDS - BOULDER, COLO.

TIME ZONE _____

DATE _____

f - PLOT OF IONOSPHERIC DATA

B- 44287

USCOMM-NBS-BL

NOAA FORM 86-501
(11-73)

TYPE	MATRIX			JOB		STA		YR		MO		DAY		TIME				Q	CD	COMMAND			
3	0		8																1				

IONOGRAM TRACING - X14

COUNT	TRACINGS LOST				TRACINGS AFFECTED			

A	X	B	X	C	X	D	X	E	X	F	X	G	X	H	X	I	X	J	X	K	X	L	X	M	X
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
00	00	01	01	02	02	03	03	04	04	05	05	06	06	07	07	08	08	09	09	10	10	11	11	12	12
00	00	01	01	02	02	03	03	04	04	05	05	06	06	07	07	08	08	09	09	10	10	11	11	12	12
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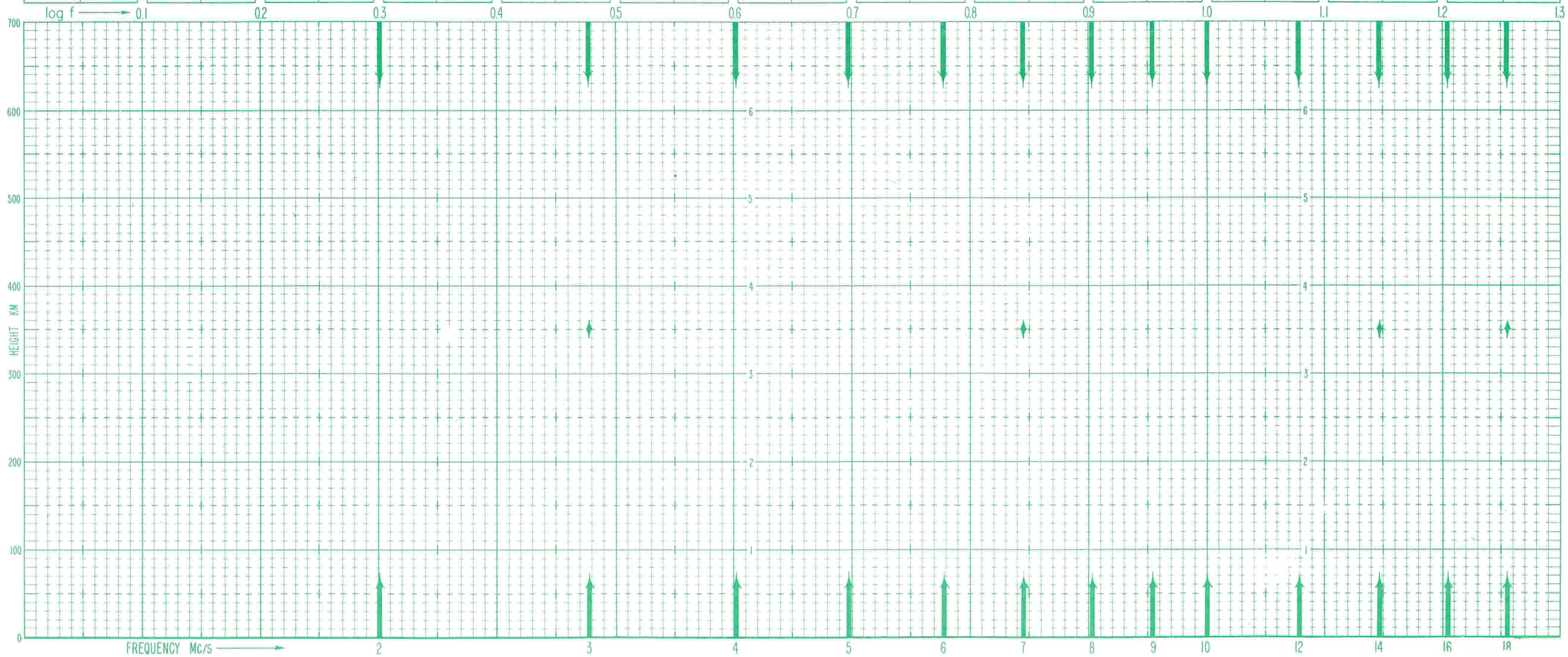


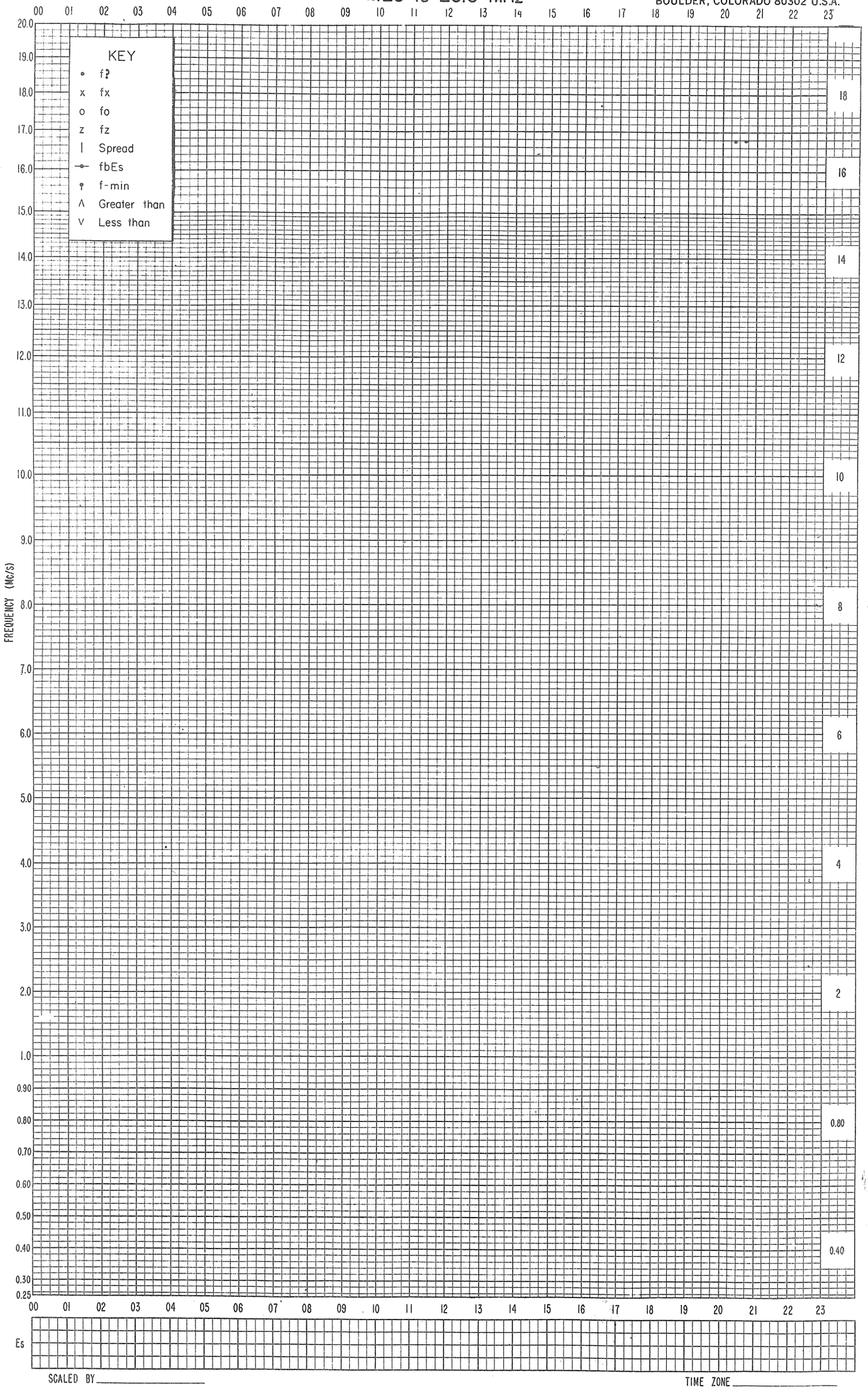
GPO 843-698

SUPERSEDES NHT-X14

NOAA FORM 86-514
(4-74)

f-PLOT OF IONOSPHERIC DATA
0.25 to 20.0 MHz

WDC-A FOR SOLAR-TERRESTRIAL PHYSICS
ENVIRONMENTAL DATA SERVICE, NOAA
BOULDER, COLORADO 80302 U.S.A.



SCALED BY _____

STATION _____

TIME ZONE _____

DATE _____

USCOMM-NBS-BL

FORM BL-2A
(8/63)

SHORT WAVE FADEOUTS – SWF

MONTH _____ YEAR _____

OBSERVING STATION _____
CHART SPEED _____
RECORDER TIME CONSTANT _____

DATE	START UT	END UT	MAX UT	TYPE	DEFI-NITE-NESS	IM-POR-TANCE	TRANSMITTER			REMARKS
							LOCATION	CALL LETTERS	FREQ Mc/s	

USCOMM-NBS-BL

NOAA FORM 86-515
(4-74)

FIELD REQUISITION

WDC-A FOR SOLAR-TERRESTRIAL PHYSICS
NOAA/NESDIS/NGDC
BOULDER, COLORADO 80303 U.S.A.

Requisition to: WDC-A FOR SOLAR-TERRESTRIAL PHYSICS
NOAA/NESDIS/NGDC, E/GC2
325 BROADWAY
BOULDER, COLORADO 80303 U.S.A.

Page **of** **Pages**

Requisition No:

Date:

SHIP TO:

☐ Semi-Annual

☐ Supplementary

☐ Emergency

ITEM NO.	STOCK OR PART NO.	PAGE NO.	DESCRIPTION	UNIT	QTY. REQ.	ON HAND & DUE IN

REMARKS:

USCOMM - ERL

Engineer-in-Charge

CRPL Form C4-A June 28, 1957

MONTHLY EQUIPMENT LOG FOR C-4 IONOSPHERE RECORDER

Station _____ Eng. in Chg. _____ Month _____ Year _____ Time Meridian _____ Recorder Ser. No. _____

Measure on 15th day of month: PRF _____ Pulse Width _____ Dummy Load _____ Ohms

Check all tubes in the units listed below during the week indicated.

	First week of month			Second week of month		Third week of month				
	ATX	ARX	APG	APS-234	APS-10	VFO	AFM	ART	AMT	AUX
Replaced										
Initials										

Exact Dial Reading at Zero Beat: 2 Mc _____ 5 Mc _____ 10 Mc _____ 15 Mc _____ 20 Mc _____ 25 Mc _____ Date _____

Agastat Time Delay Relay K67, 3.5 min. _____ K62, 2 sec. _____ K63, 2 sec. _____

Vacuum Cleaned: Date _____. Oil motors, gears, and bearings only when needed (approx. every 6 months.) _____

METER READINGS AND VOLTAGES (To be read at 1 mc PRF at 60)

	+250 Volts		+600 Volts		-600 Volts		+1000 Volts		+3KV	+6KV	I	-6KV	Ground Pulse Set	Initials
	V	I	V	I	V	I	V	I						
1st Wk.														
2nd Wk.														
3rd Wk.														
4th Wk.														

ANTENNA CURRENT (ma.) Record Weekly

Frequency	Grounded Dummy		Antenna		F.F.O. Cable Removed		Grounded Dummy		Antenna		F.F.O. Cable Removed		Grounded Dummy		Antenna		F.F.O. Cable Removed		Grounded Dummy		Antenna		F.F.O. Cable Removed	
	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R	L	R
2																								
5																								
10																								
15																								
20																								

RECEIVER GAIN

_____ R.F. Input at 1 mc. mod. 30% at 1000 cps.

Output at phone jack: Low gain _____ Med. gain _____ High gain _____

Note remarks on reverse side.

NOAA FORM 86-506
(11-73)

IONOSPHERIC SOUNDINGS SCALING NOTES

WDC-A FOR SOLAR-TERRESTRIAL PHYSICS
325 Broadway code E/GC2
Boulder, Colorado 80303 U.S.A.

STATION _____

PERIOD OBSERVED _____ DAYS _____ MONTH _____ YEAR

DATE & PRINT TIME		GP ERROR CORRECTED		ht. MARKER ERROR CORRECTED			REMARKS ON DATA REDUCTION
ON IONOGRAM	CORRECT	DAY & TIME	CHAR.	DAY & TIME	CHAR.	DAY & TIME	

SUPERSEDES 7-G

CRPL Form 7-C Feb. 1, 1956

MONTHLY EQUIPMENT LOG C-2/C-3 IONOSPHERE RECORDER

Station _____ Eng. in Chg. _____ Month ____ Year ____ Time Meridian ____ Recorder Serial No. _____

PRF ____ PW ____ Sweep Time ____ Sec.; Sweep Range ____ to ____ Mc/sec; Sweep Schedule ____, ____, ____, ____, ____, ____, Min. after Hr.; T.C. ____

Over-all Transmitting Antenna Base Leg Length ____ ft.; True Bearing of Transmitting Antenna _____ Deg.; Dummy Load ____ ohms

TUBES CHECKED (To be done during the third week of each month)

	ATX	ARX	APG	APS 10	APS 20A	APS 20B	APS 30	APS 40	FFO	AFM	ART	AMT	VFO	AUX	Remarks	Initials
Tubes Checked																
Tubes Replaced (Types)																

Error of 1Mc. Crystal in AFM ____ ± % Date ____; Error of H.M. Osc. when on 1000 Km. range ____ ± % Date ____

Exact Dial Reading at Zero Beat: 2Mc ____ 5Mc ____ 10Mc ____ 15Mc ____ 20Mc ____ 25Mc ____ Date ____

ATX Bias Volts: R39 ____ R40 ____ R78 ____ R79 ____ R112 ____ Date ____

Vacuum Clean C2/C3 ____, AUX ____ Date ____; Motors Oiled, Camera ____, ASM ____, Blower ____ Date ____

METER READINGS AND VOLTAGES (To be read at 5 Mc only)

	600 Volt				1000 Volt		250 A		250 B		5KV**	5 & 25KV**	2.5 KV**	4 KV**	8KV*		(Screen Volts) Diurnal Gain Controls					Ground Pulse Set	Initials
	-V	-I	+V	+I	V	I	V	I	V	I	V**	I**	V**	V**	V	I	R-1	R-2	R-3	R-4	R-5		
1st Wk.																							
2nd Wk.																							
3rd. Wk.																							
4th Wk.																							

ANTENNA CURRENT (Ma.)

Frequency		Grounded Dummy		Antenna		Grounded Dummy		Antenna		Grounded Dummy		Antenna		Grounded Dummy		Antenna	
		Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Left	Right
Weekly	2																
	5																
	10																
	15																
	20																

ATX BIAS (Volts)

R-39	R-40	R-78	R-79	R-112

** C-3 only

* C-2 only

List any major difficulties and solutions on reverse side.