

I(52)	51	94
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1948年

二月

稚内

I(524.  
51)

94

94



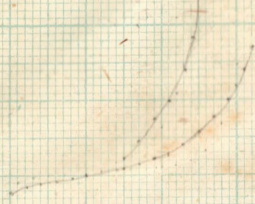
1th Feb 1948

Wakhanan No 86

2343 ~ 2351

00.00 ~ 17.30 停電

f<sub>u</sub>  
4w  
3w  
2w  
1w

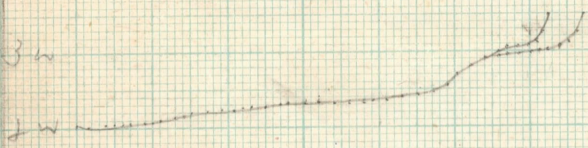


A.M.

1 2 3 4 5 6 7

17.40 ~ 18.03

f<sub>u</sub>  
4w  
3w  
2w  
1w

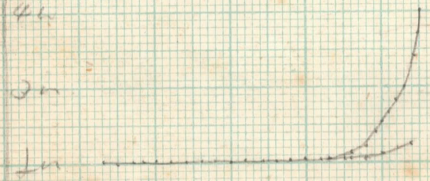


S.H.

1 2 3 4 5 6 7

18.50 ~ 19.00

f<sub>u</sub>  
4w  
3w  
2w  
1w

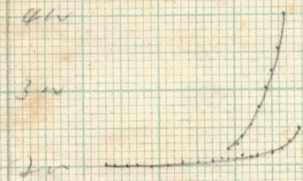


S.H.

1 2 3 4 5 6 7

19.57 ~ 20.00

f<sub>u</sub>  
4w  
3w  
2w  
1w



S.H.

1 2 3 4 5 6 7

55  
220

E  
E  
E

10.0  
28

73  
200

21  
E  
E

265  
55  
55  
200

18  
13  
11

20.9  
38 ✓

37  
200

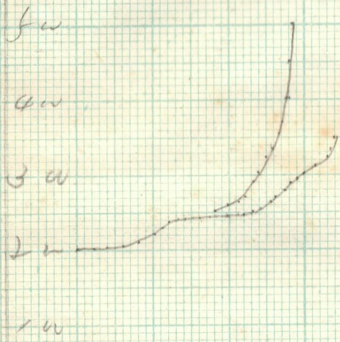
18  
13  
E

18.0  
25

Feb  
1<sup>th</sup> Jan 1968

Wakkanai No 5087

20.50 ~ 21.01

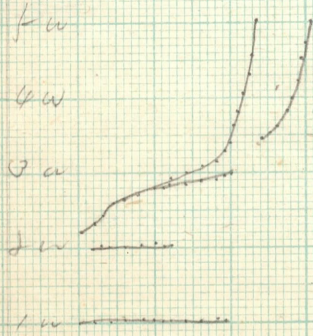


39  
210

E  
E  
E

120  
32

21.50 ~ 22.00

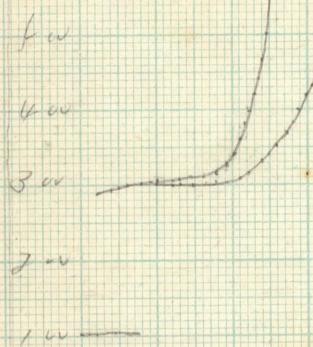


34  
220

29  
E  
E

10.3  
3.0

22.50 ~ 22.58



35  
290

17  
A  
E

10.5  
3.0

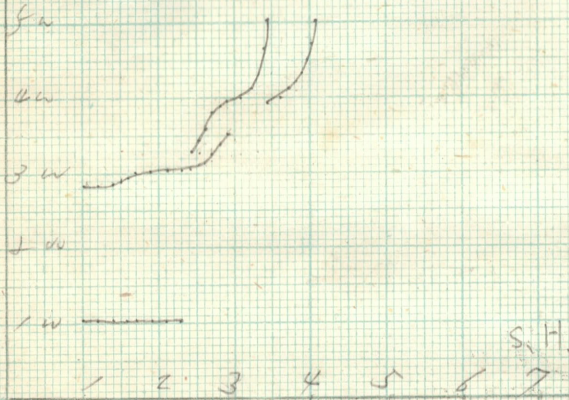
5w  
4w  
3w  
2w  
1w

1 2 3 4 5 6 7 8 9 10

27th Feb 1968

Wakkanai 910, 4018

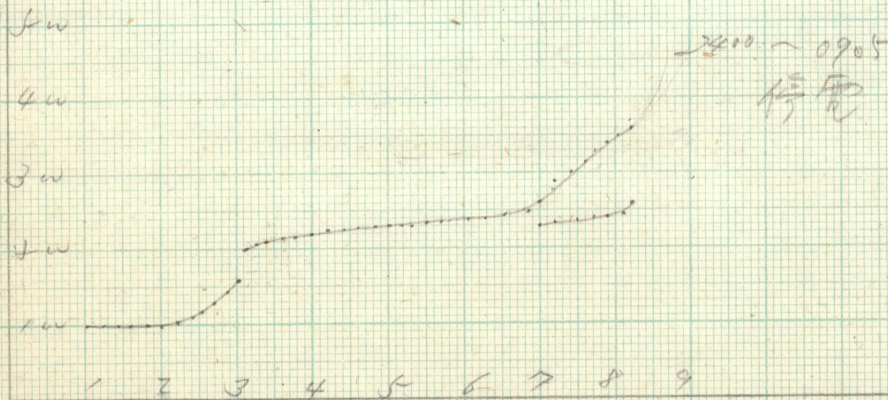
23.40 ~ 23.45



35  
280  
20  
E  
E

10.0  
28

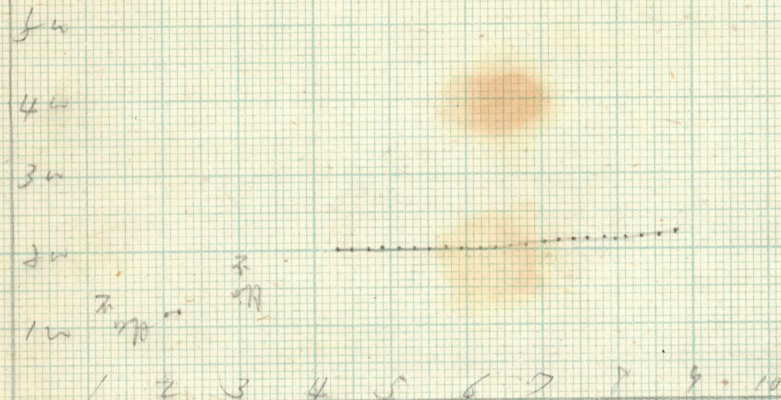
0910 ~ 0925



C  
200  
2  
2  
23J  
100  
4FE  
31  
E

T.O

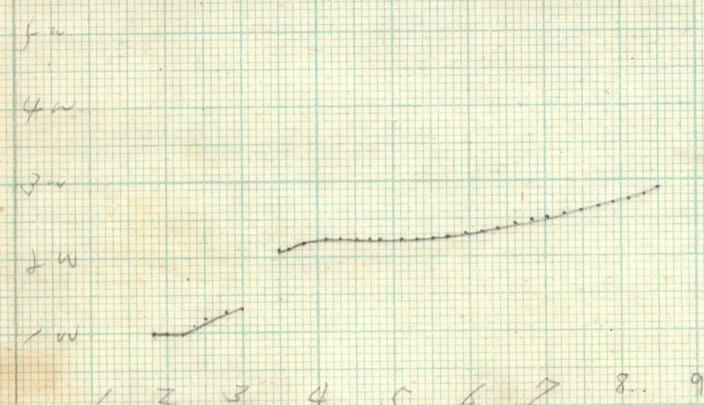
0948 ~ 1008



B  
200  
2  
2  
B  
B  
B22  
43  
20

T.O

1055 ~ 1110



B  
220  
L  
200  
(30)  
100  
4FE  
33  
18

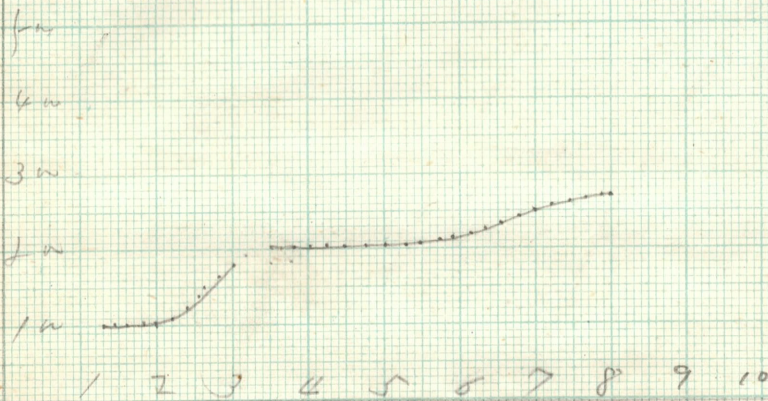
T.O

20th Feb 1948

Wakkanai No 589

1245~1306

1130~1230 停電

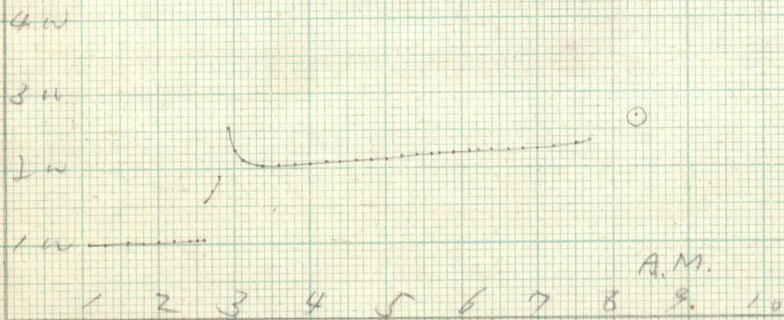


T.O

B  
200  
Q  
Q  
30  
100  
4E  
25  
13

1446~1459

14時交12/1調整(2x1)

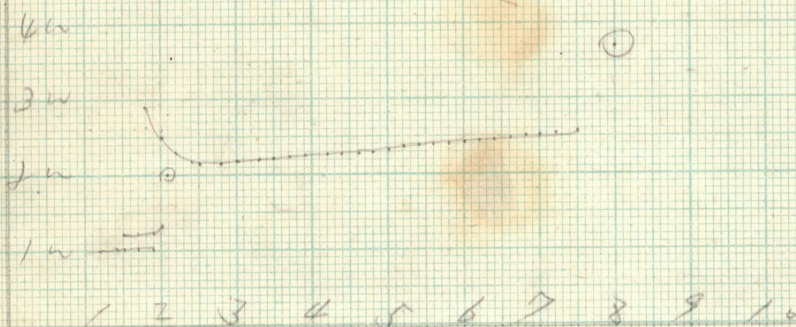


A.M.

B  
200  
Q  
Q  
28  
A  
26  
29  
111

1547~1600

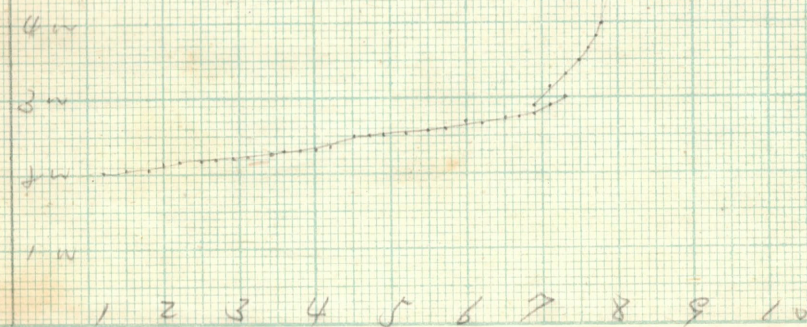
(1600時 3)



A.M.

B  
220  
Q  
Q  
A  
A  
19  
18  
12

1702~1714

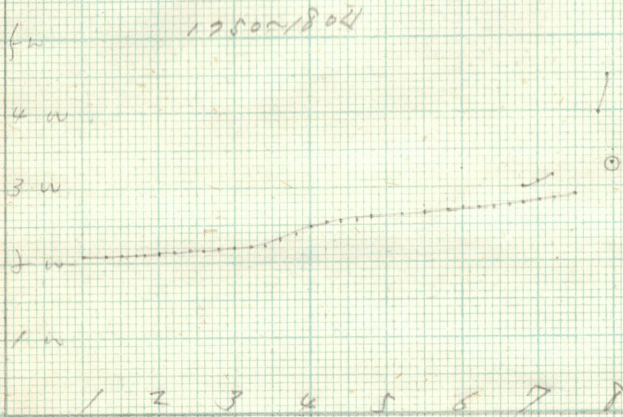


A.M.

79  
200  
Q  
Q  
E  
E  
E  
12  
E  
289  
22

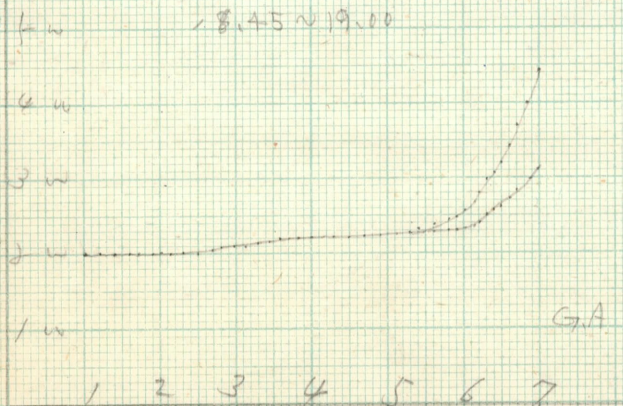
2 th Feb 1958

Wakkanai No 5090



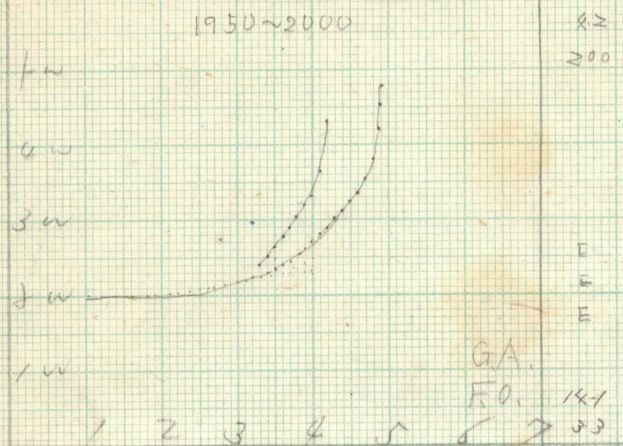
79  
210  
E  
E  
E

259  
22

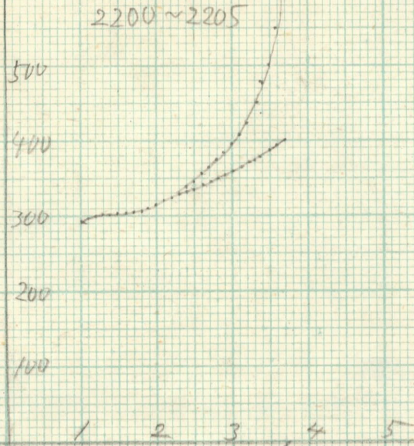


70  
200  
E  
E  
E

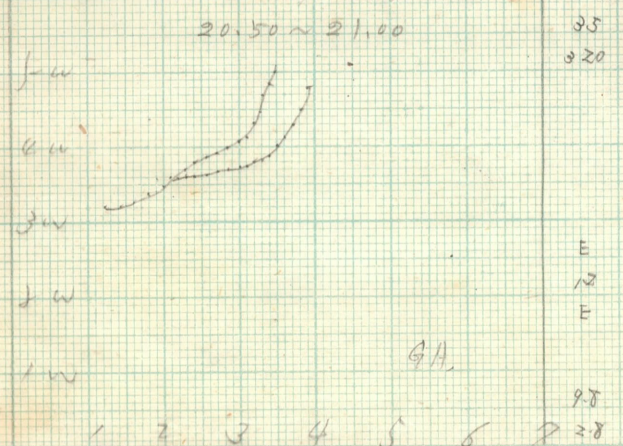
285  
25 ✓



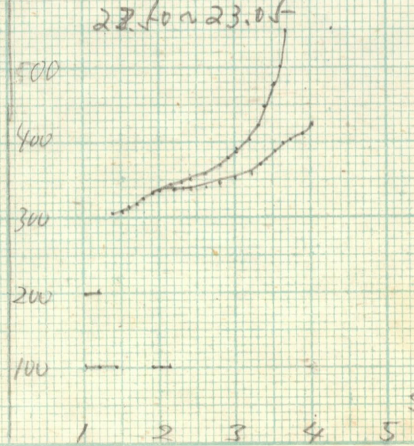
82  
200  
E  
E  
E



285  
290  
E  
E  
E



25  
220  
E  
E  
E



27  
210  
E  
E  
E

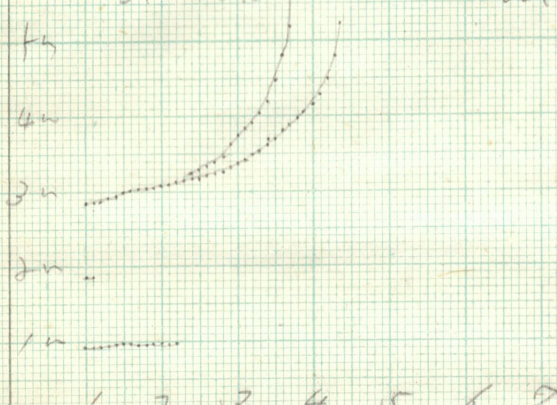
3 FEB 1948

WAKKANAI

NO 5091

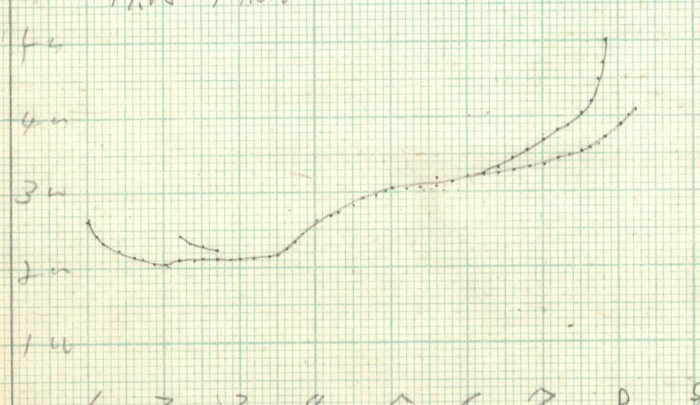
2340~2345

00.00~17.00 迄停電



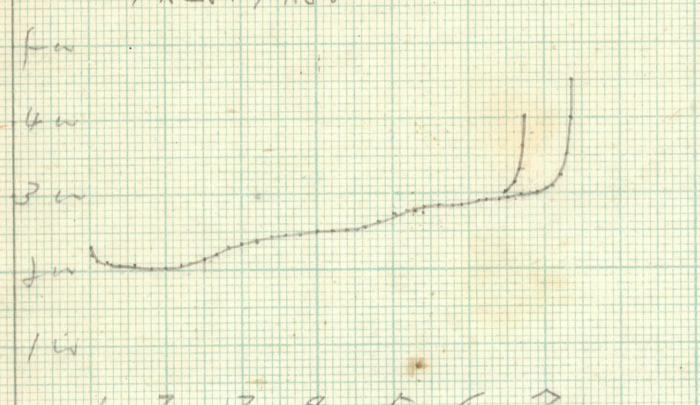
38  
280  
22  
E  
E  
FO  
10.2

17.05~17.20



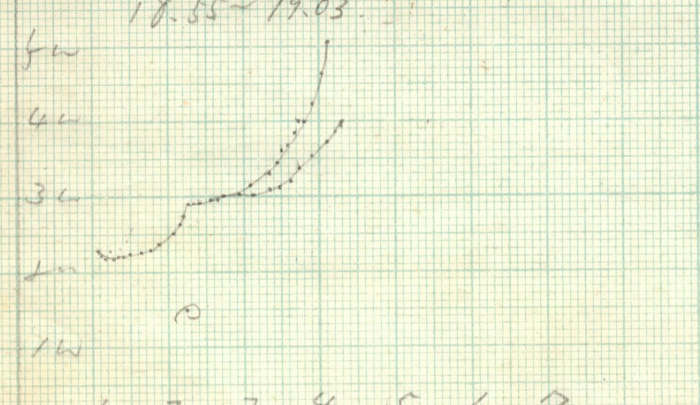
78  
300  
Q L  
Q 200  
E  
E  
E  
E  
222  
29 ✓

17.45~17.50



67H  
250H  
L  
200  
E  
E  
E  
24.0  
3.5 ✓

18.55~19.03



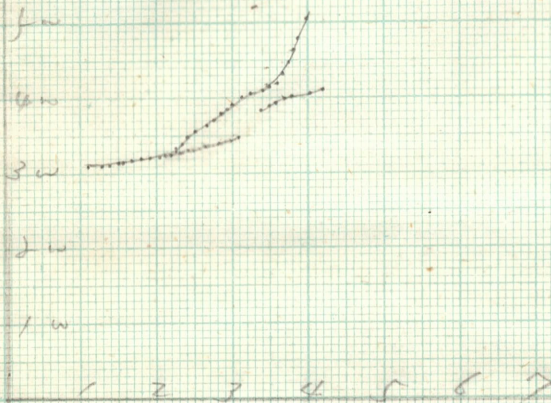
4.17  
220H  
E  
M.H.  
121 ✓  
29



2 Feb 1947

WAKKANAI 5092

19.53-20.01

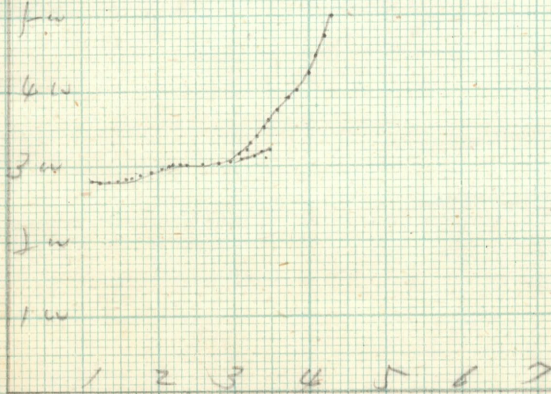


M.H

4.2  
370

E  
1.1  
E  
11.0  
2.6

20.55-21.03

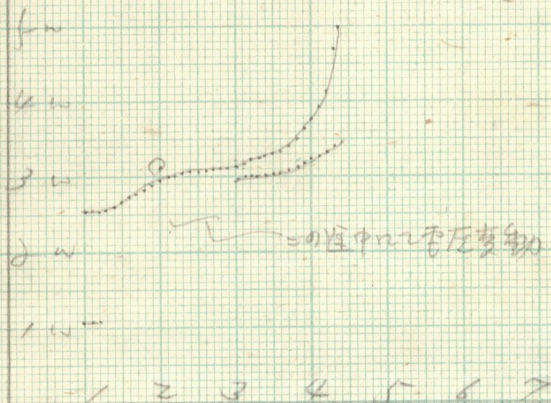


M.H

4.3  
380

E  
1.1  
E  
12.1  
2.8

21.55-22.02

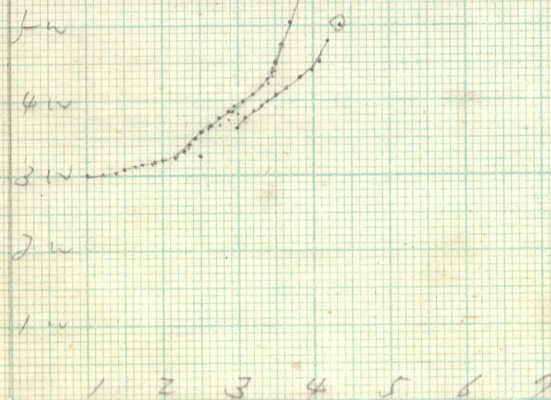


F.O

4.4  
350

1.2  
E  
E  
13.1  
2.9

22.50-23.00



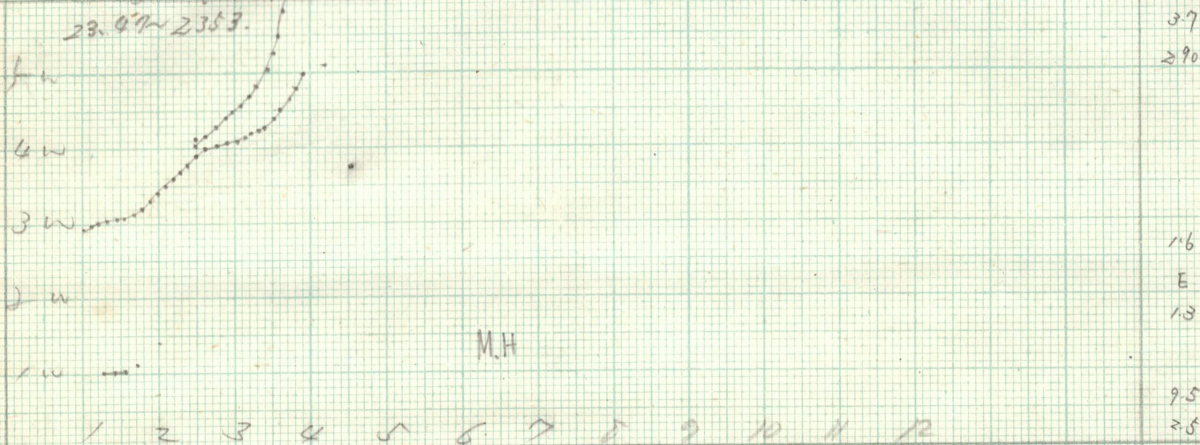
M.H

4.0  
300

E  
E  
E  
10.2  
2.8

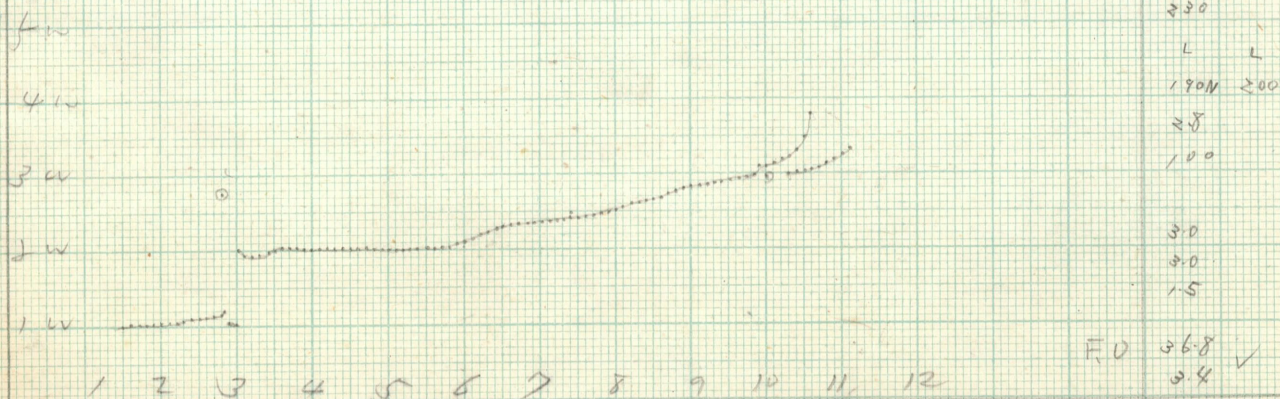
4 Feb. 1945  
23.07~2353.

WAKKANAI No 5093

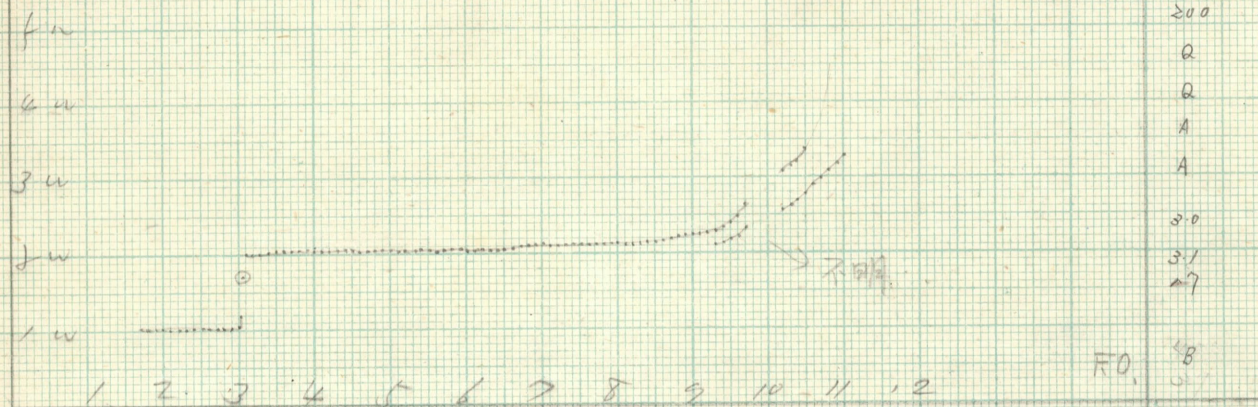


0905~0920

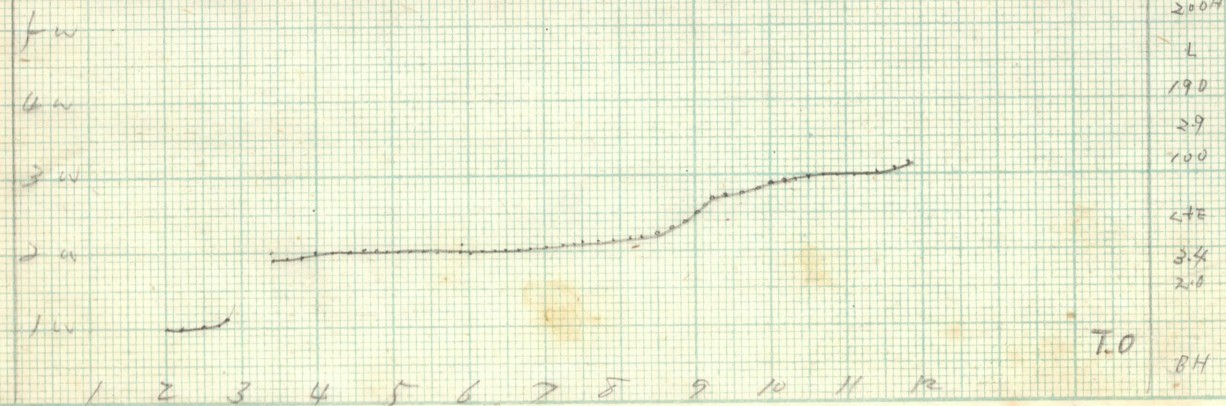
0000~0900 停電



0945~1000



1045~1109



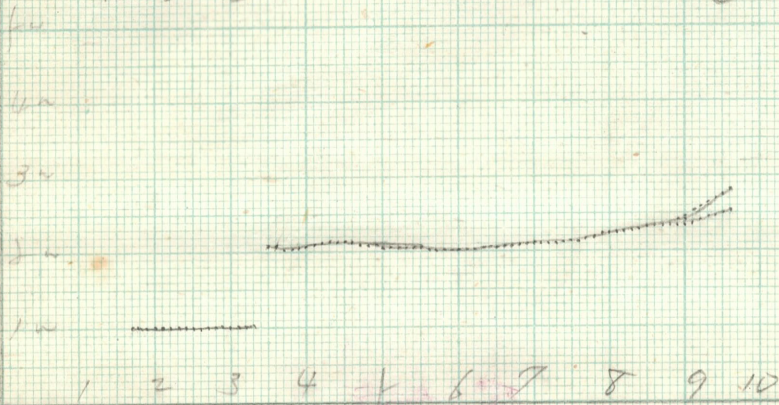
4th Feb 1948

Woburn

No ~ 5094

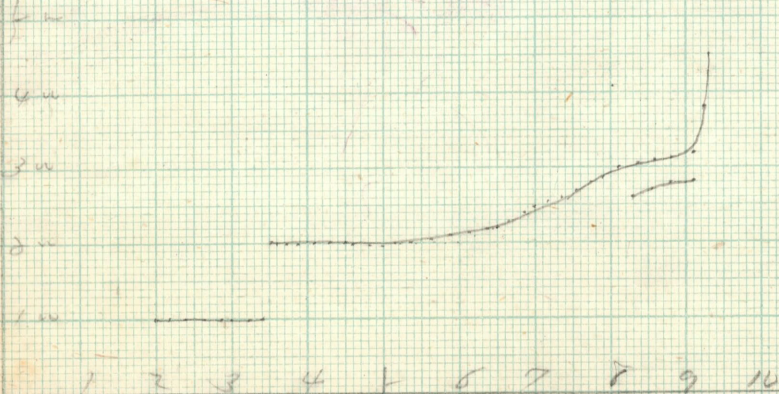
1245~1300

1130-1230 停電



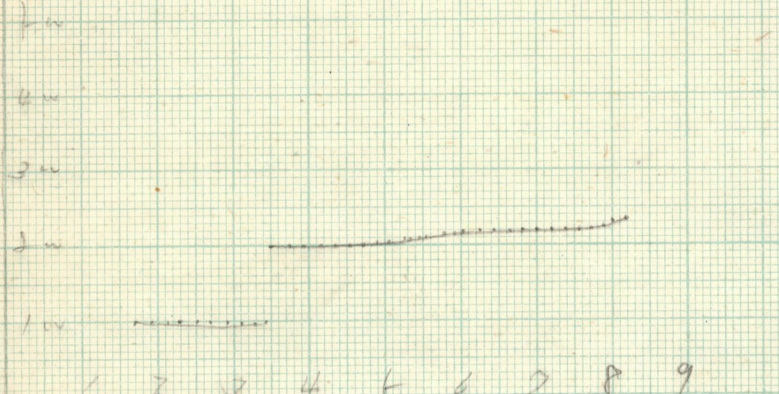
B  
 200  
 Q  
 Q  
 A  
 A  
 3.8  
 3.5  
 17  
 B  
 F.O.

1350~1405



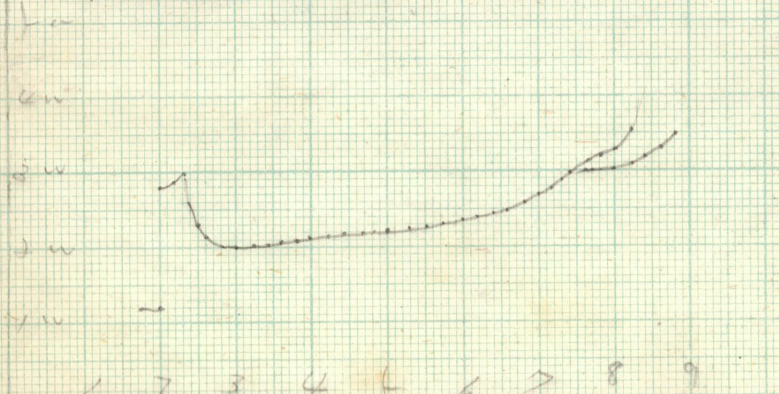
90  
 200  
 Q  
 Q  
 A  
 A  
 3.4  
 3.5  
 2.0  
 T.O  
 32.1  
 34

1450~1500



B  
 200  
 Q  
 Q  
 A  
 A  
 3.4  
 3.5  
 17  
 T.O  
 B

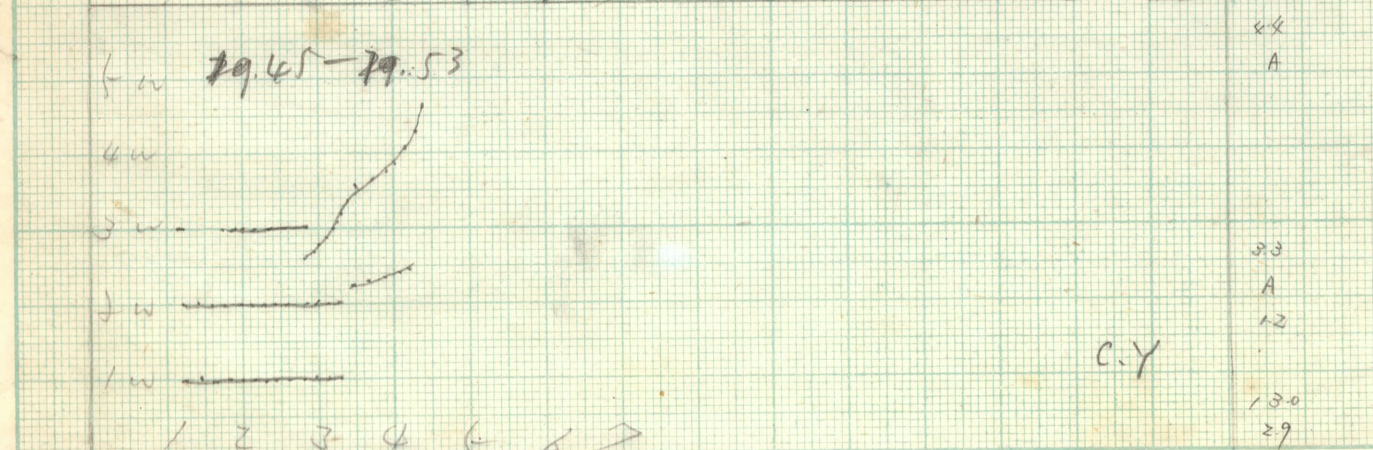
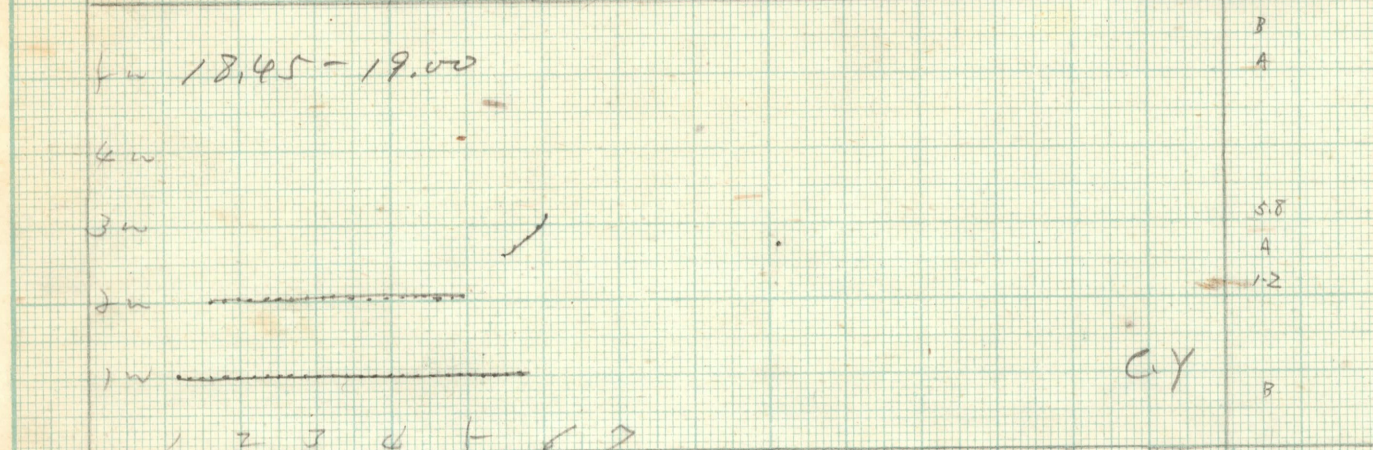
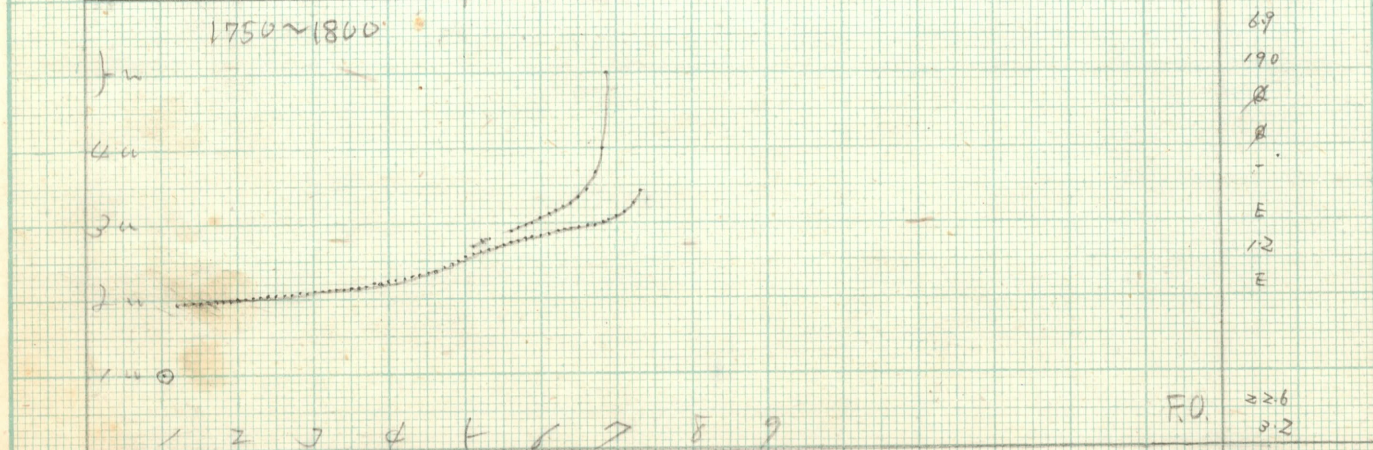
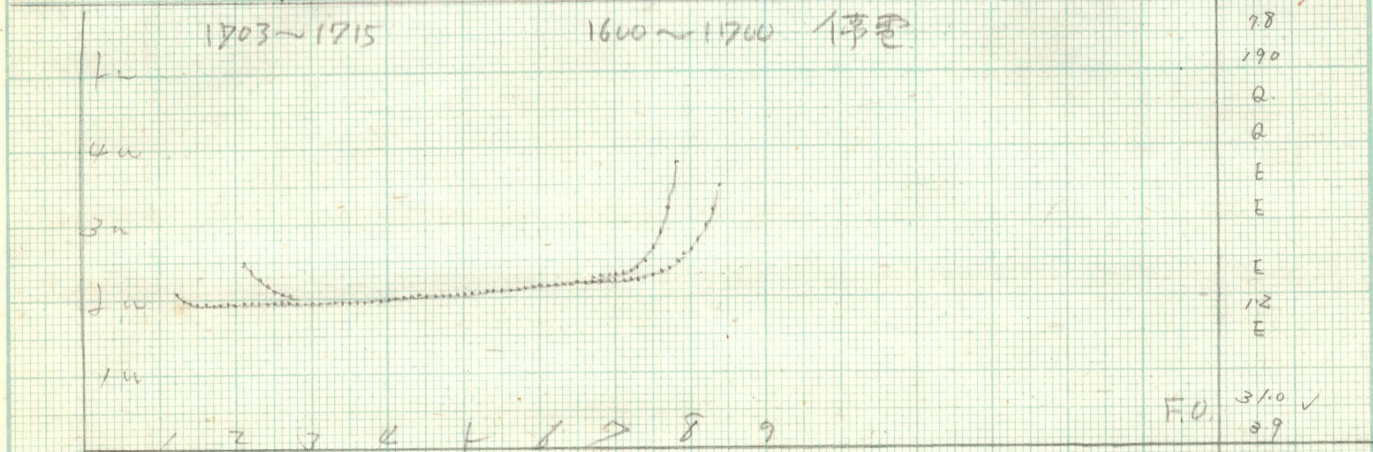
1548~1558



(84)  
 200  
 Q  
 Q  
 A  
 A  
 2.0  
 3.3  
 17  
 T.O  
 28.0  
 33

4th FEB 1948

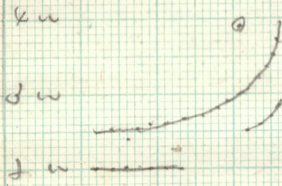
Nikkonai No ~ 5095



14. Feb 1948

WAKKAYAI No - 5096

f<sub>w</sub> 20.45 - 21.00



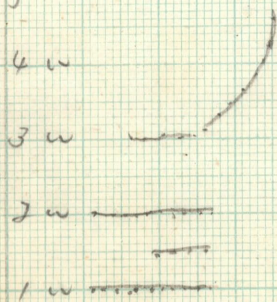
1w C.Y  
1 2 3 4 5 6 7

36  
357

28  
12  
E

12.1  
23 ✓

f<sub>w</sub> 21.50 - 22.00



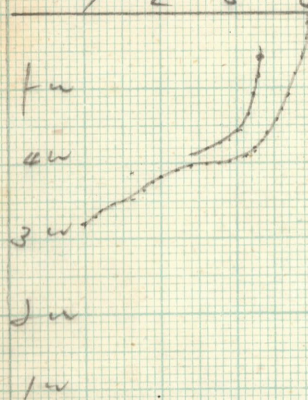
1w C.Y  
1 2 3 4 5 6 7

35  
A

26  
A  
11

10.8  
3.1

f<sub>w</sub> 22.10 - 22.58



1w C.Y  
1 2 3 4 5 6 7

33  
320

E  
E  
E

7.1  
3.0

f<sub>w</sub>  
4w  
3w  
2w  
1w

1 2 3 4 5 6 7

5. Feb 1948

WAKKANAI NO 5097

23.00-23.45

00.00 ~ 09.00 停電

5w  
4w  
3w  
2w  
1w

1 2 3 4 5 6 7

09.10 ~ 09.30

0000 ~ 0700 停電

5w  
4w  
3w  
2w  
1w

1 2 3 4 5 6 7 8 9 10 11

09.50 ~ 10.05

5w  
4w  
3w  
2w  
1w

1 2 3 4 5 6 7 8 9 10 11 12

10.50 ~ 11.05

5w  
4w  
3w  
2w  
1w

1 2 3 4 5 6 7 8 9 10 11 12 13

33  
330  
E  
E  
E

9.0  
~~9.27~~  
10.87  
2204  
L  
200  
A  
A  
28  
3.0  
1.8

373  
S.H. 34  
10.9  
200  
Q  
Q  
B  
A  
28  
33  
2.0

371  
S.H. 34 V  
B  
250  
L  
200  
A  
A  
31  
34  
23

S.H. B

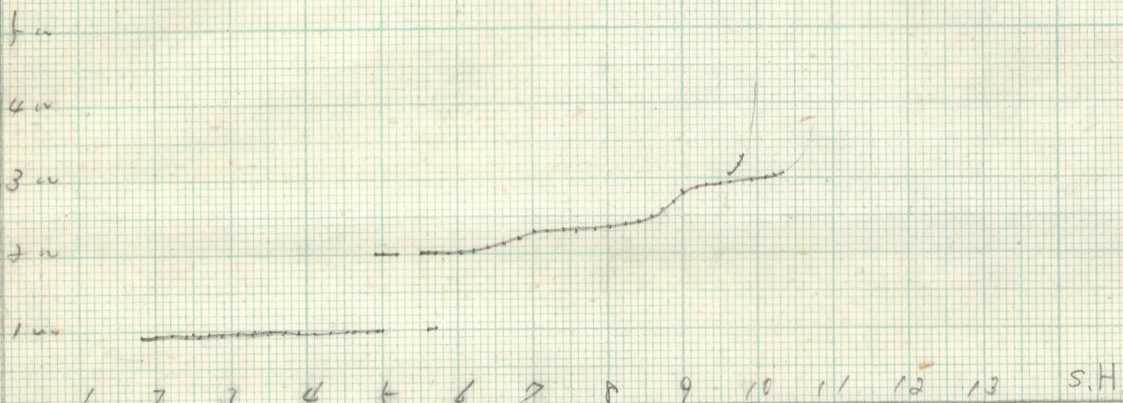
f. ch. 7 Feb

1948

wakkanai No. 5098

12.45 ~ 13.00

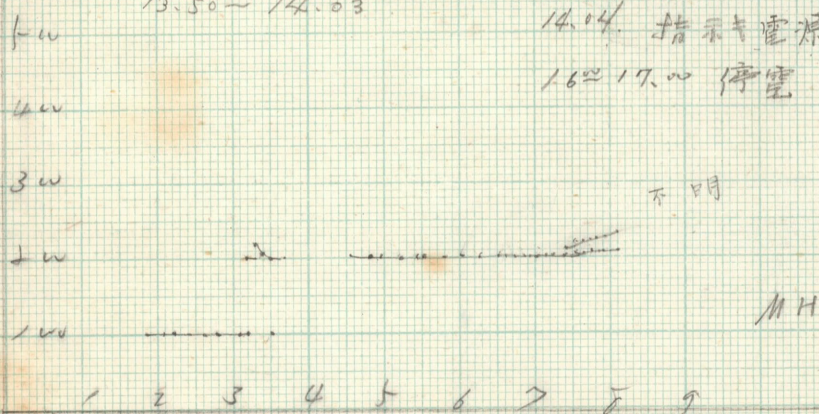
11.30 ~ 12.30 停電



18  
200  
Q L  
Q 200  
A  
A  
27  
29  
18  
28  
30

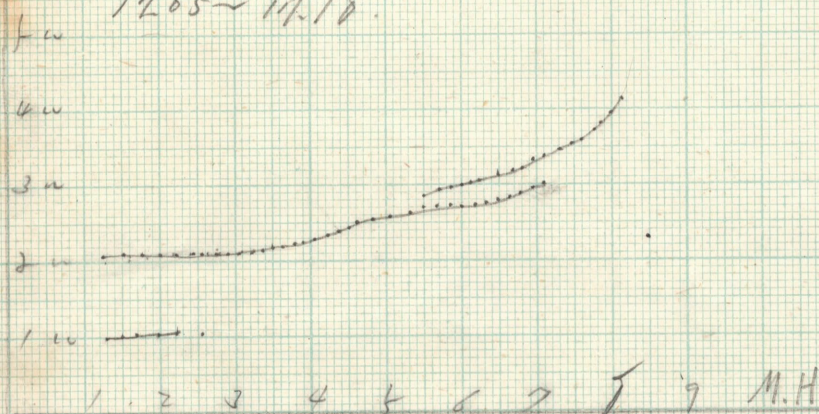
13.50 ~ 14.03

14.04 指示キ電源部故障修理  
16 ~ 17.00 停電



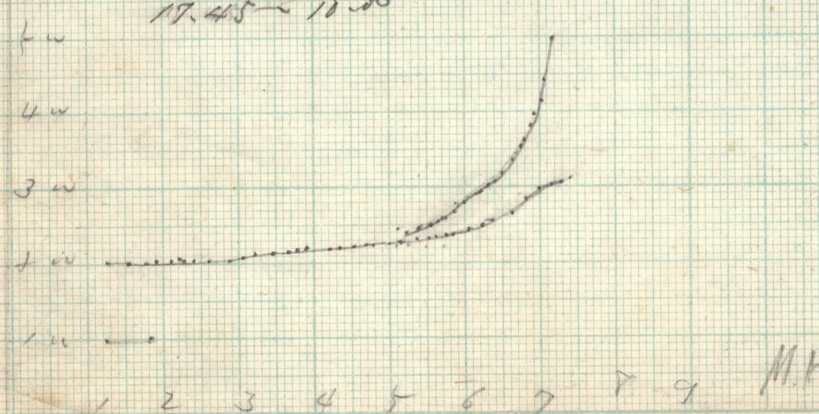
B  
200  
B  
B  
A  
A  
25  
A  
18  
B

17.05 ~ 17.18



23 P  
210  
Q  
Q  
E  
E  
22  
12  
13  
25.1  
20 P

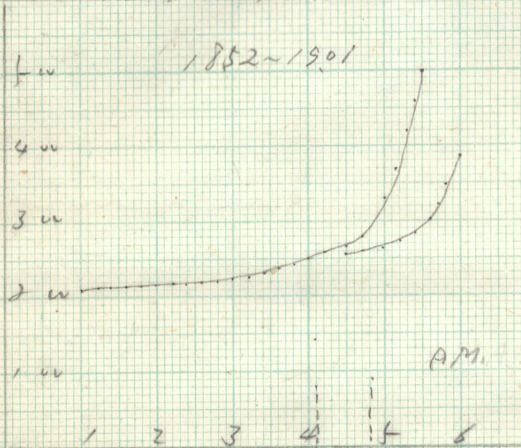
17.45 ~ 18.00



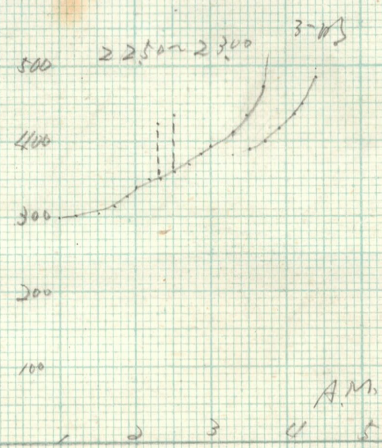
72  
200  
18  
13  
12  
25  
23

5th Feb 1948

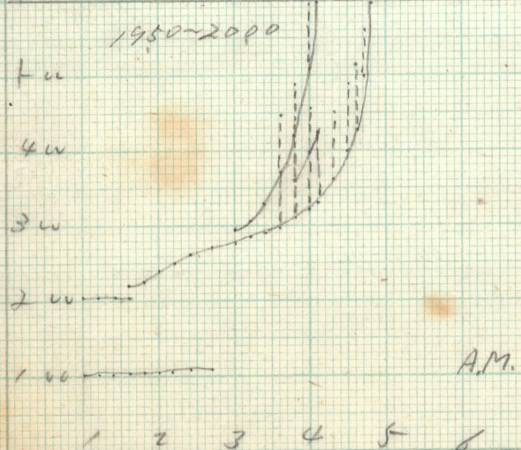
wakhanair No 5099



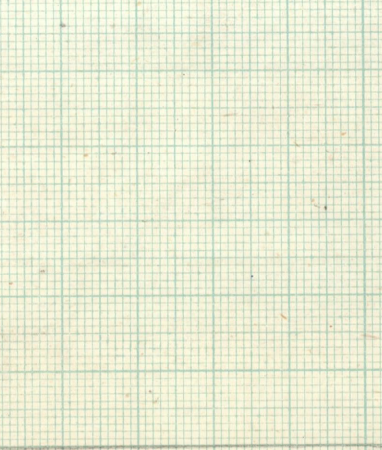
55  
310  
E  
E  
E  
18.0  
92



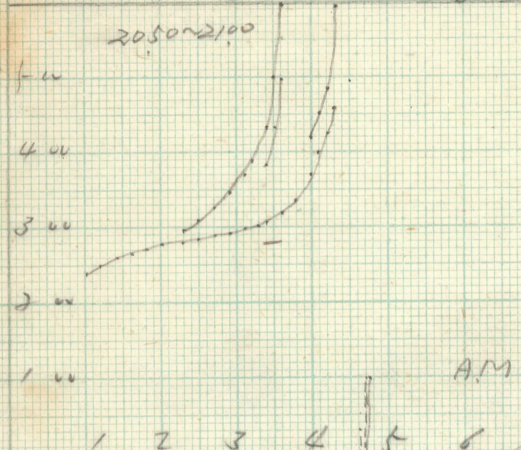
38  
300  
E  
E  
E  
10.8  
28



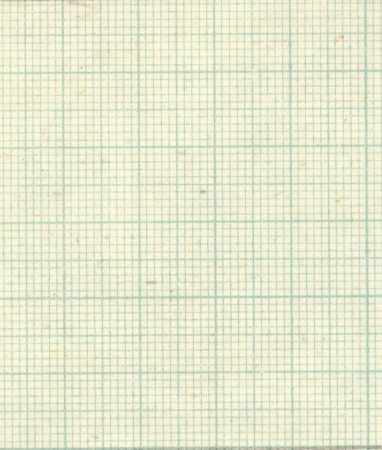
18.0  
92



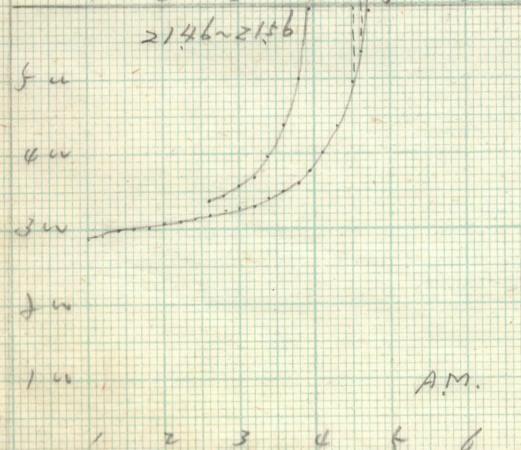
4.1 F  
220 F  
27  
A  
E  
12.1  
29 F



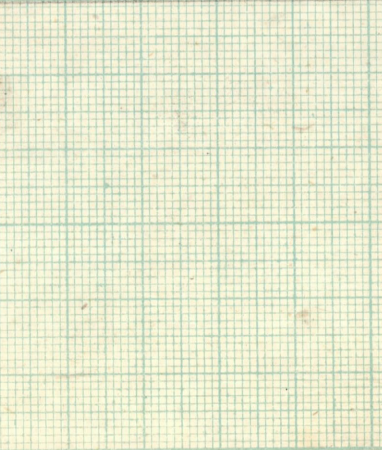
10.2  
28



3.6  
240  
E  
E  
E  
10.2  
28



39  
290  
E  
E  
E  
10.9  
28

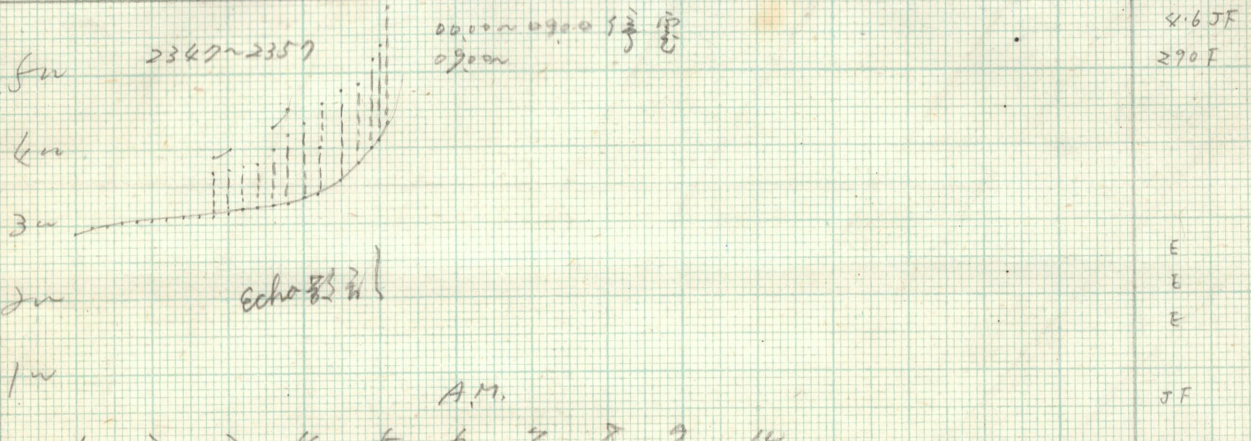


10.9  
28

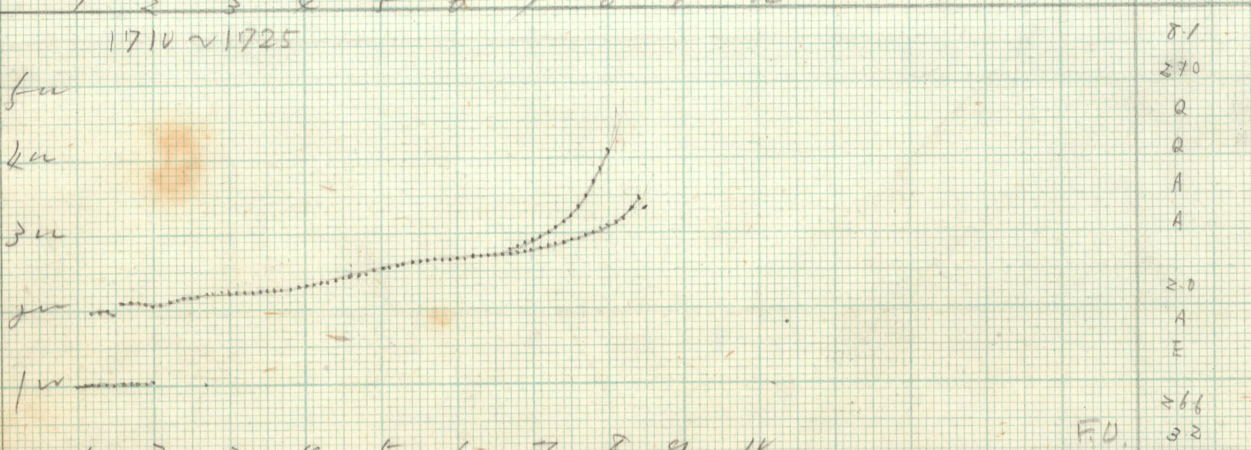


6th Feb 1948

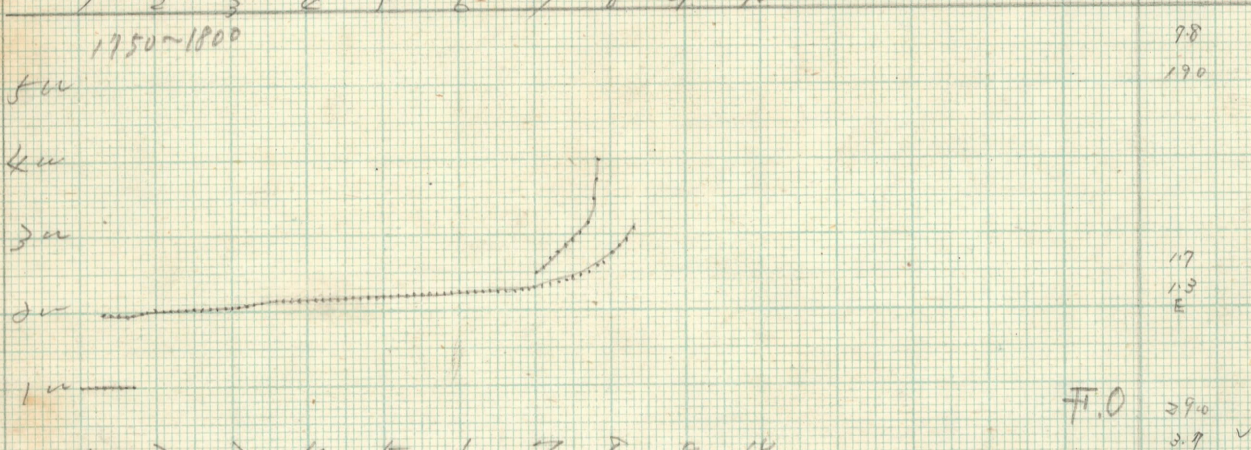
Wakkanai No 5100



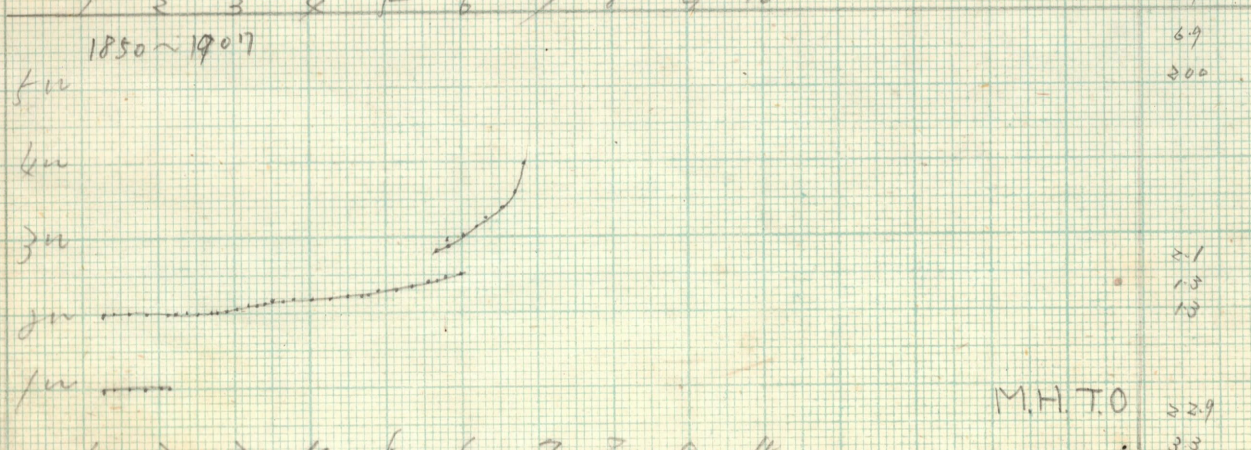
4.6 JF  
290 F  
E  
E  
E  
JF



8.1  
290  
Q  
Q  
A  
A  
2.0  
A  
E  
3.6  
3.3



F.O.  
9.8  
19.0  
1.7  
1.3  
E  
F.O.  
3.9  
3.7 ✓

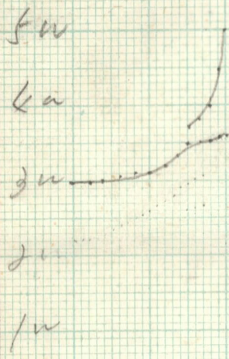


6.9  
3.0  
2.1  
1.3  
1.3  
M.H.T.O.  
3.29  
3.3

6th Feb 1948

wakkanai No. 5101

2155~2205

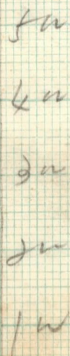


1950~2155

7"3"  $\frac{4.5}{B}$  故障

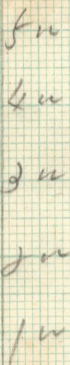
1 2 3 4 5 6 7

2250~2303

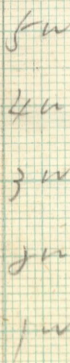


7"3" 管基線振動甚し測定困難中込ス

1 2 3 4 5 6 7



1 2 3 4 5 6 7



1 2 3 4 5 6 7

3.0  
300

E  
E  
E

T.O

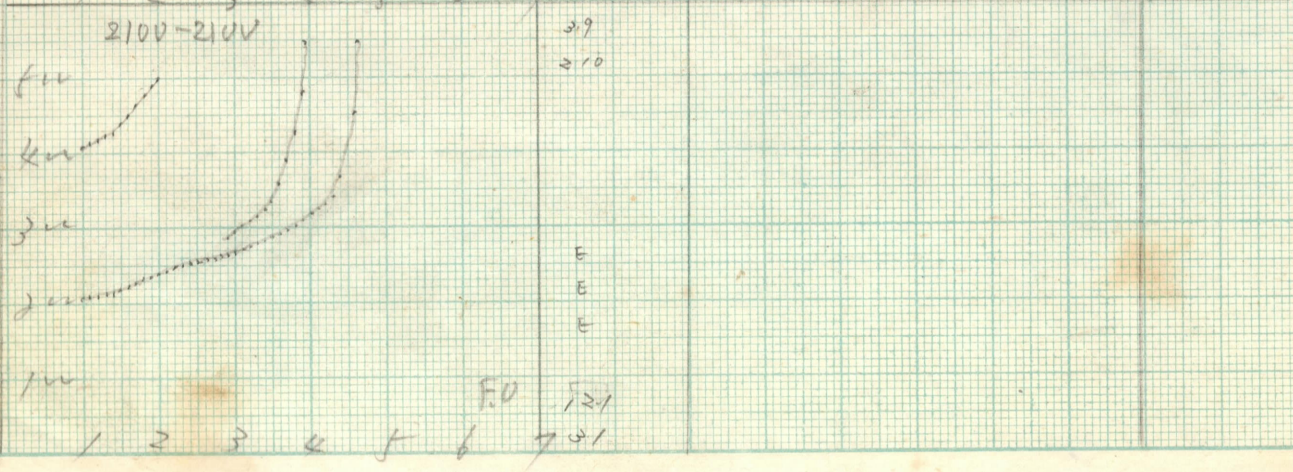
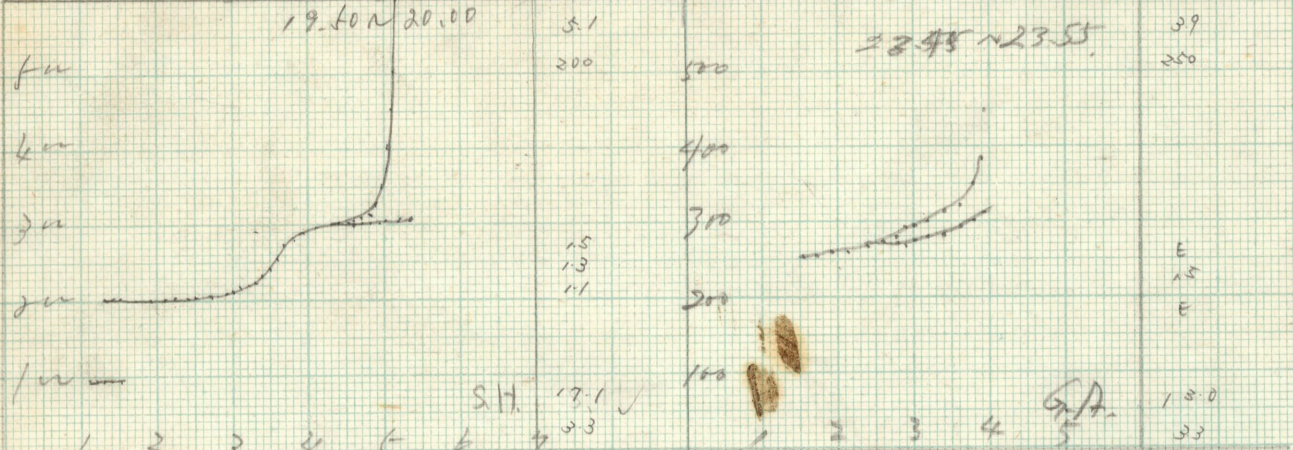
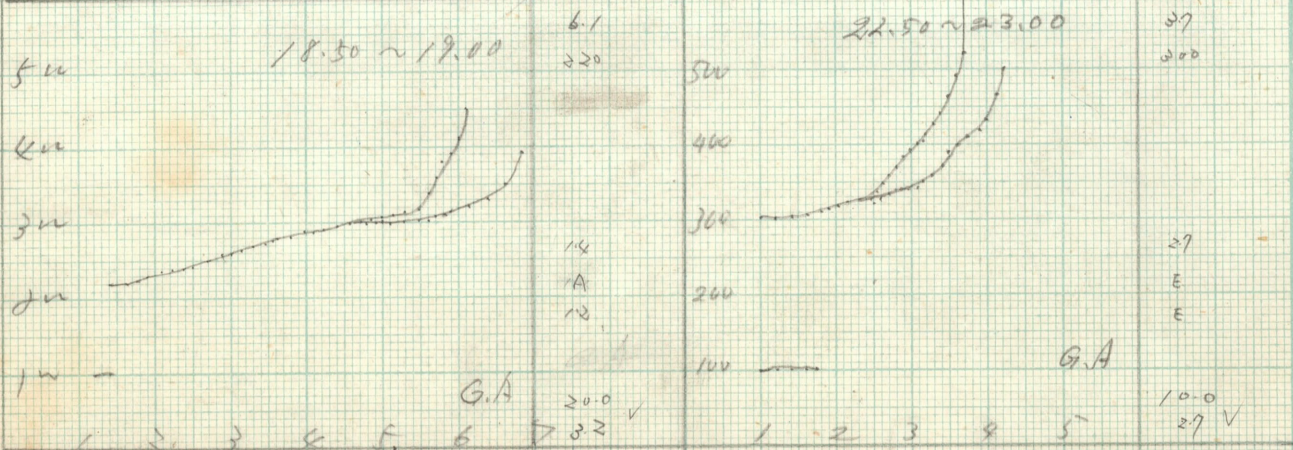
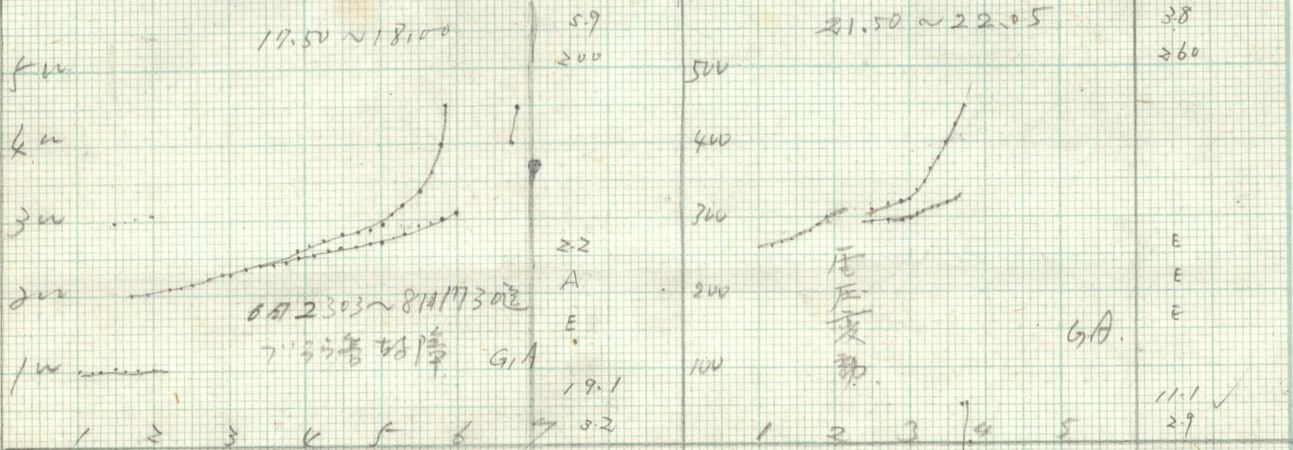
9.0  
9.0

T.O

8th FEB 1948

WAKKANAI

No-5102



9. Feb 1948

WAKKANAI No 5103

f<sub>w</sub> 9.10-9.37

送信機調整, 外付L観測

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10

C.Y

B  
240  
L  
200  
A  
A  
3.0  
3.2  
1.5

f<sub>w</sub> 9.50-10.05

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12

C.Y

BH  
260H  
L  
230  
3.4  
100  
3FE  
3.6  
1.5

f<sub>w</sub> 10.50-11.05

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

C.Y

BH  
210H  
Q  
Q  
A  
A  
3.4  
3.6  
1.4

f<sub>w</sub> 17.00~19.10

11.06~17.00  
指示機修理

4w

3w

2w

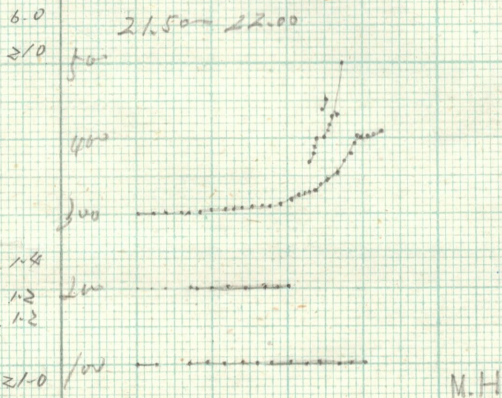
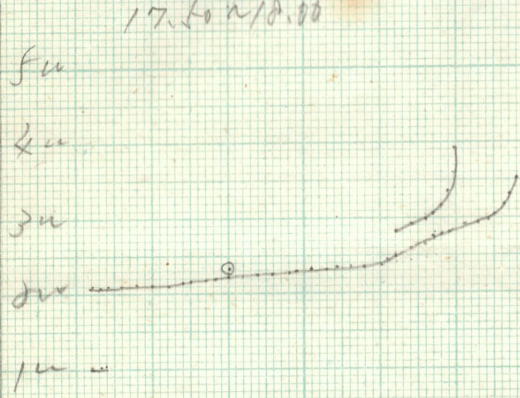
1w

1 2 3 4 5 6 7 8 S.H.

BH  
7.1  
210  
Q  
Q  
B  
B  
B  
1.5  
D 245  
35

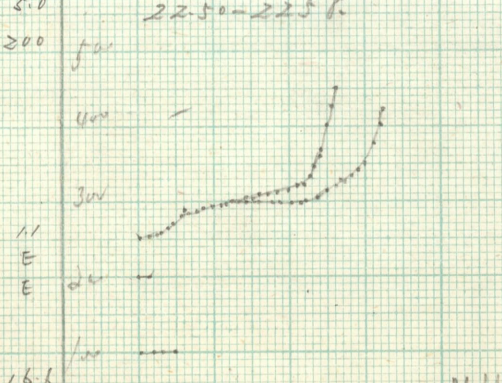
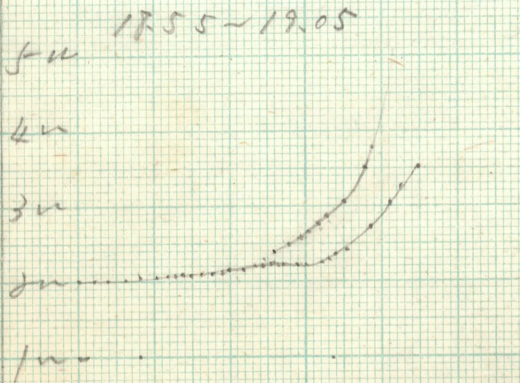
9th, Feb, 1948  
17.50-18.00

WAKKANAI No. 5104



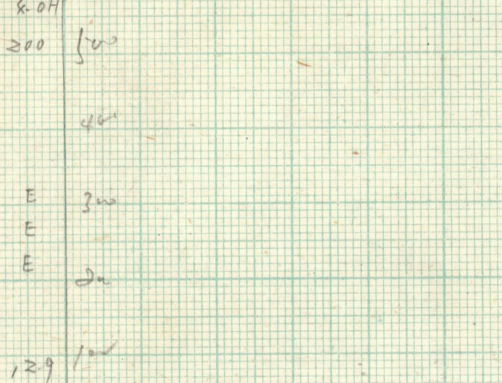
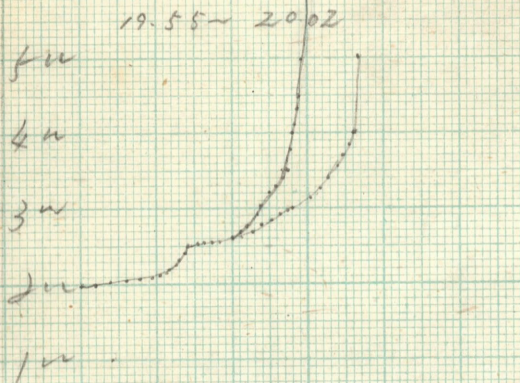
1 2 3 4 5 6 → S.H. 0.5

21.0 100 M.H 11.0 (2.9)



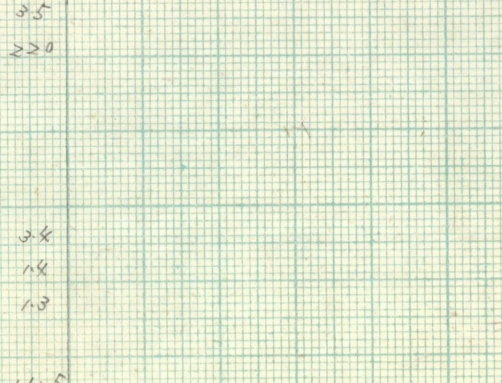
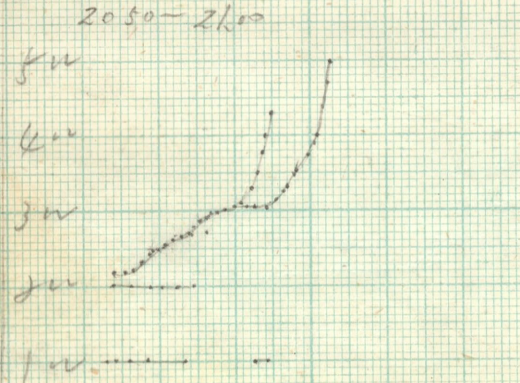
1 2 3 4 5 6 → M.H 0.3

16.6 100 M.H 11.7 (2.4)



1 2 3 4 5 6 7 → M.H 0.2

8.0H 100 M.H 11.5 (2.2)

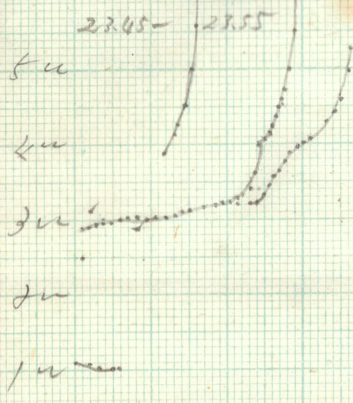


1 2 3 4 5 6 7 → M.H 0.2

3.5 100 M.H 11.5 (2.2)

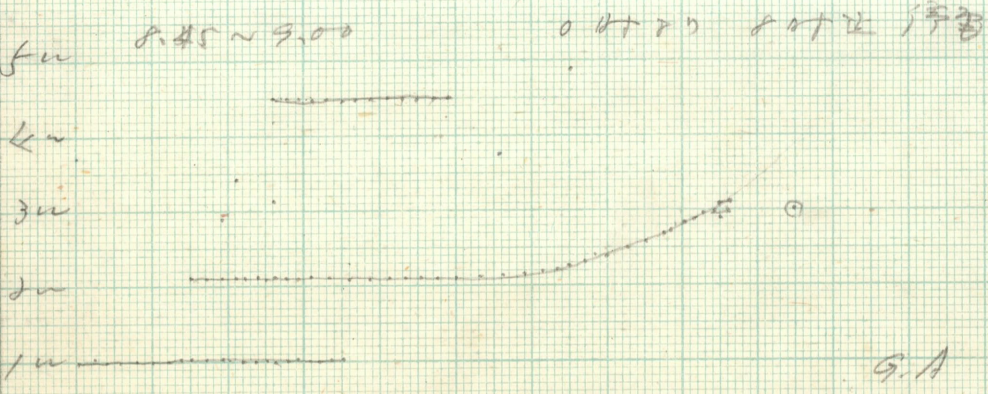
10 th Feb. 1948

Wakkanai No 5105



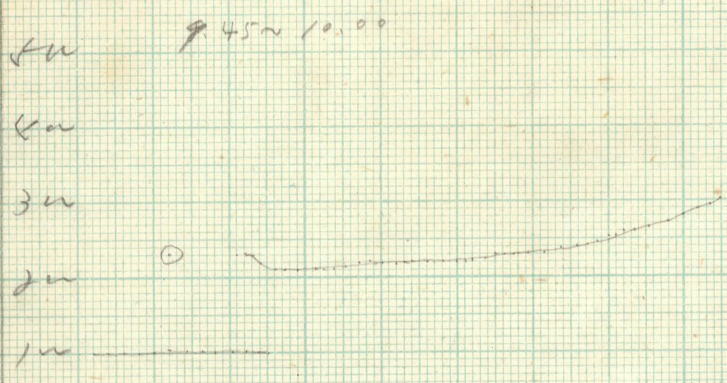
M.H.

1 2 3 4 5 6 7



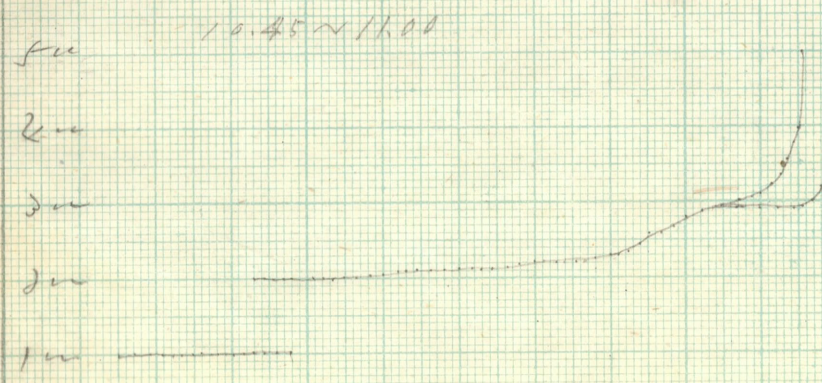
G.A

1 2 3 4 5 6 7 8 9 10



G.A

1 2 3 4 5 6 7 8 9 10



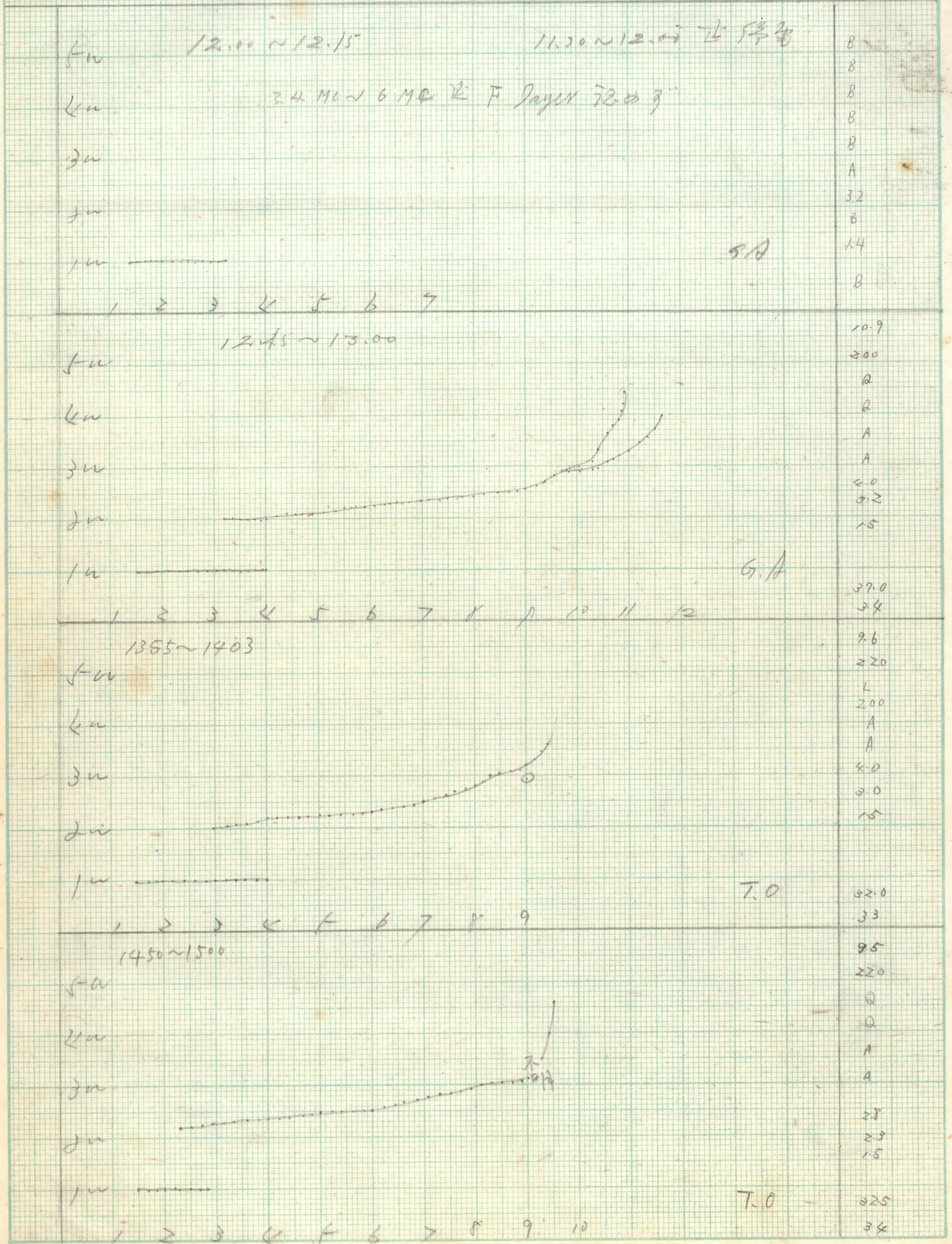
G.A

1 2 3 4 5 6 7 8 9 10

39  
 290  
 1.6  
 1.1  
 E  
 11.2  
 2.8  
 B  
 210  
 Q  
 Q  
 A  
 A  
 2.5  
 2.5  
 E  
 B  
 B  
 210  
 Q  
 Q  
 A  
 A  
 3.5  
 2.2  
 1.2  
 B  
 10.6  
 2.00  
 3.8  
 3.3  
 1.5  
 36.1  
 3.4

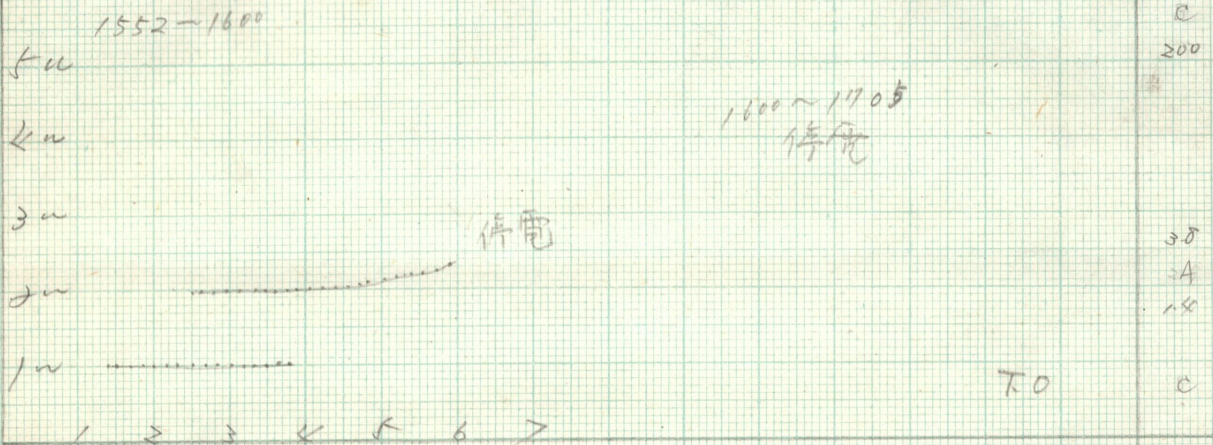
10th Feb 1948.

Wakkanai No. 5106

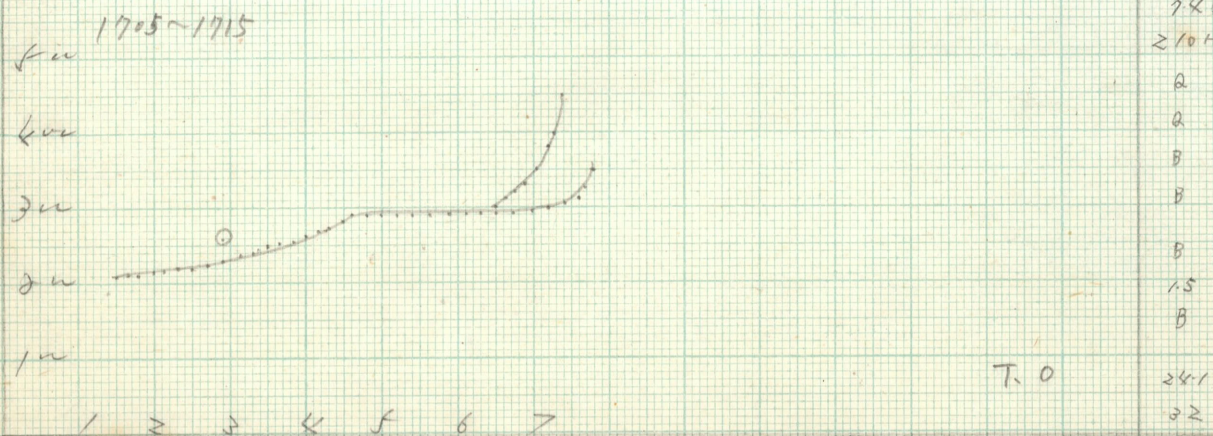


10th Feb 1948

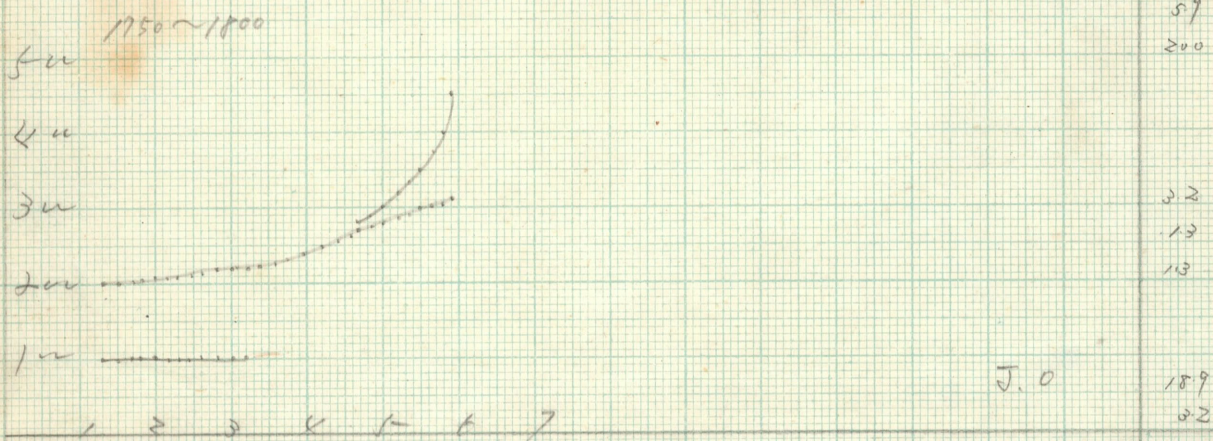
Whitton's No ~ 51.17



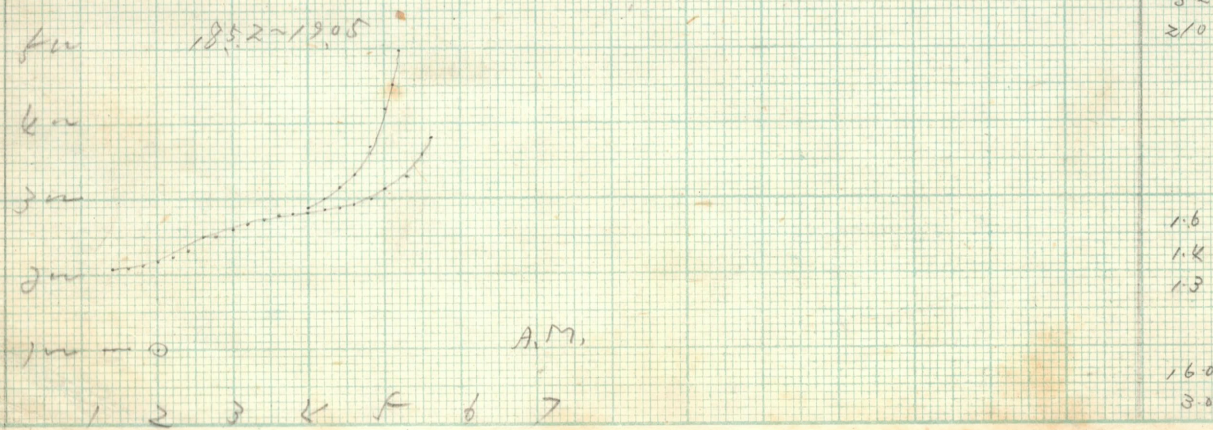
C  
200  
3.5  
A  
1.5  
C



7KH  
2104  
A  
A  
B  
B  
B  
1.5  
B  
24.1  
2.2



5.9  
200  
3.2  
1.3  
1.3  
18.9  
2.2

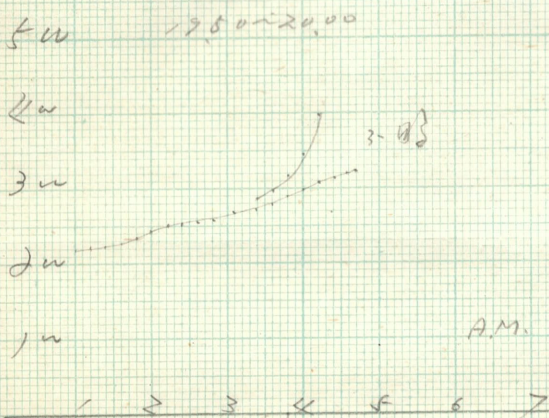


5.2  
210  
1.6  
1.4  
1.3  
16.0  
3.2



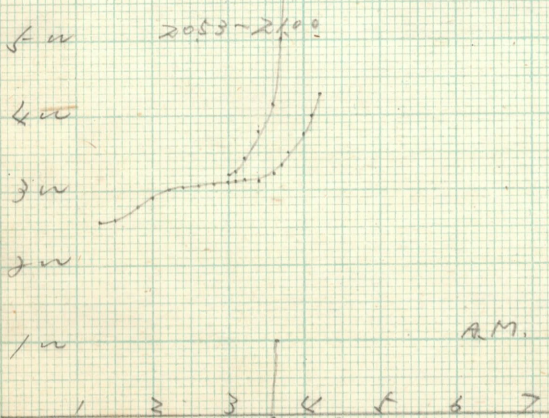
10th Feb 1948.

Wahkanai No 5108



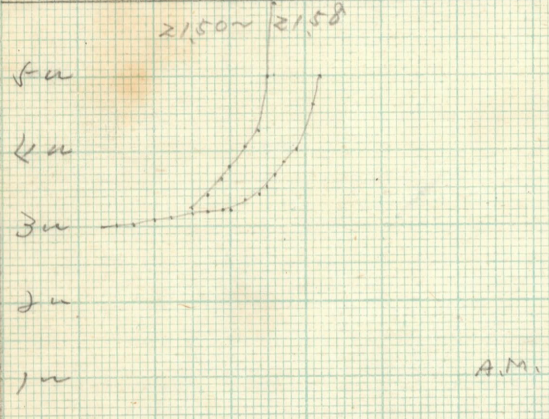
4.2  
3.20  
E  
E  
E

14.1  
3.3 ✓



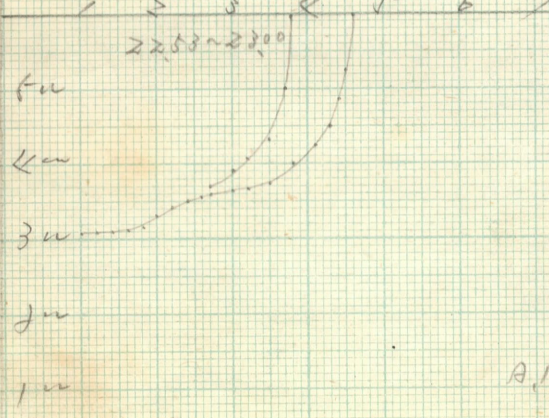
3.8  
2.60  
E  
1.3  
E

11.1  
2.9



3.6  
3.00  
E  
1.3  
E

10.1  
3.0



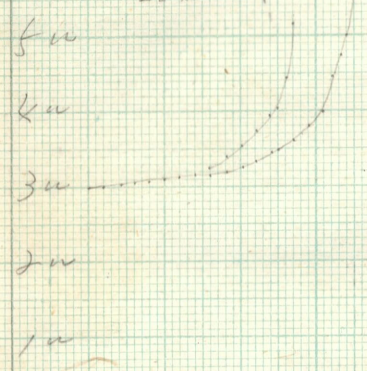
3.8  
3.10  
E  
E  
E

10.5  
2.7

11th Feb 1948

Wakkanai no 5109

2345~2354



3.7  
3.0  
E  
E  
E

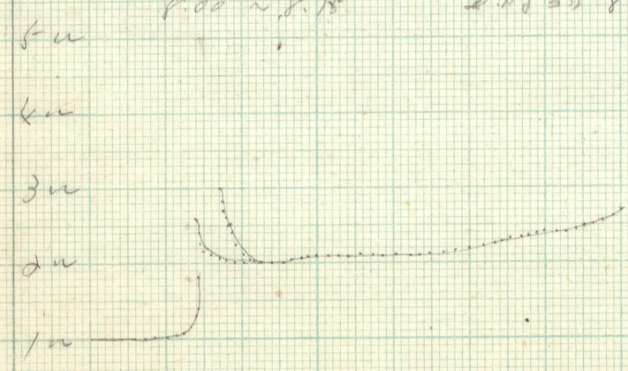
A.M.

1 2 3 4 5 6 7 8 9 10 11 12

10.9  
2.9

8.00~8.15

2.45~2.50 8.00~8.15 停止



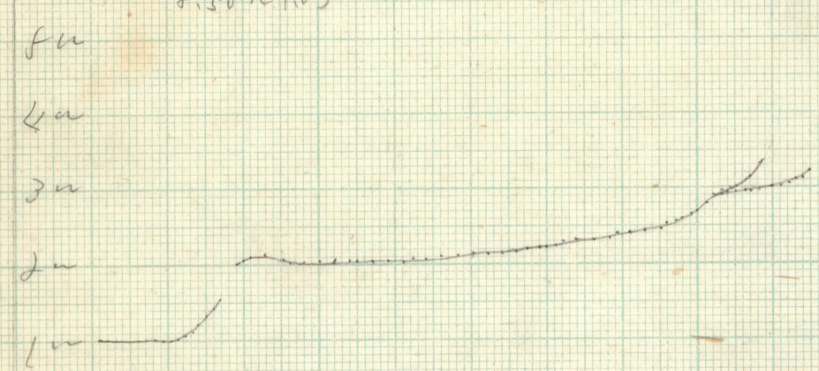
B  
3.0  
2  
Q  
2.4  
1.00  
1.1E  
2.4  
E

G.A.

1 2 3 4 5 6 7 8 9 10 11 12

B

8.50~9.03

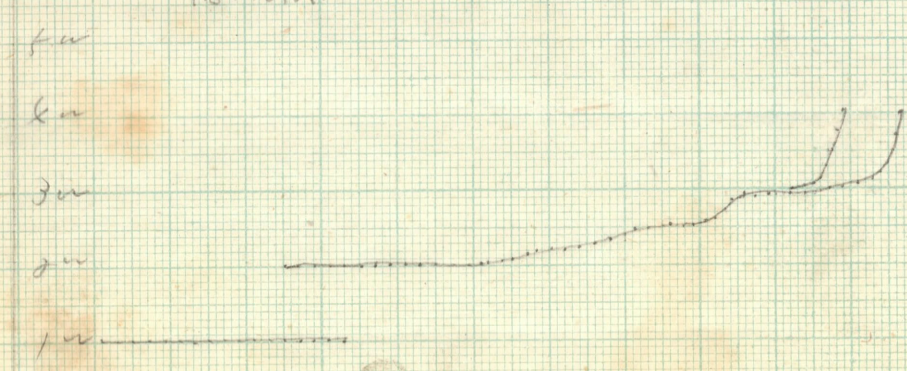


10.1P  
3.00  
Q  
Q  
2.7  
1.00  
1.1E  
2.9  
1.1

1 2 3 4 5 6 7 8 9 10 S.H.

3.50  
3.5P

9.50~10.00



10.9H  
2.00H  
Q  
Q  
A  
A  
4.3  
A  
1.1

1 2 3 4 5 6 7 8 9 10 11 S.H.

3.8.6  
3.5H

17th Feb 1948  
10.47 ~ 10.57

Wakkanai no. 5110

5u  
4u  
3u  
2u  
1u

1 2 3 4 5 6 7 8 9 10 11 12 13

S.H.

11.6  
200  
Q  
Q  
3.4  
100  
4.5  
3.5  
1.3

39.8  
2.4

12.00 ~ 12.15

5u  
4u  
3u  
2u  
1u

1 2 3 4 5 6 7 8 9 10 11 12 13

S.H.

B  
200  
Q  
Q  
A  
100  
3.3  
3.5  
1.3

B

12.50 ~ 12.59

5u  
4u  
3u  
2u  
1u

1 2 3 4 5 6 7 8 9 10 11 12 13

S.H.

10.1  
200  
Q  
Q  
A  
A  
3.1  
3.5  
1.3

35.0  
2.4

13.55 ~ 14.05

5u  
4u  
3u  
2u  
1u

1 2 3 4 5 6 7 8 9 10 11 12 13

M.H.

B  
200  
Q  
Q  
B  
~~100~~  
B  
3.6  
1.3

B

11th Feb 1945

WAKKANAI No 5111

f<sub>u</sub>

14.55 - 15.06

4<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7 8 9 10 11 12

M.H

9.6  
230  
B  
B  
B  
B  
24.0  
25

f<sub>u</sub>

15.50 - 15.59.

16.00 - 17.00 停電

4<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7 8 9 10 11 12

M.H

23  
210  
A  
A  
21  
23  
13

f<sub>u</sub>

17.03 - 17.13

4<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7 8 9 10 11 12

M.H

27.5  
23  
29  
(220)A  
A  
A  
A  
20  
E  
11

f<sub>u</sub>

17.45 ~ 18.00

4<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7 8 9 10 11 12

M.H

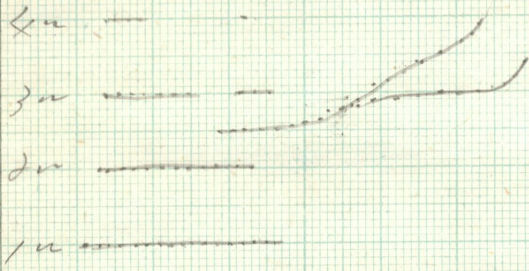
27.0  
24  
6.5  
200  
42  
A  
E

22.7  
25

11. Feb. 1948

WAKKANAI NO 5112

5u 18.47-19.03



E層強之

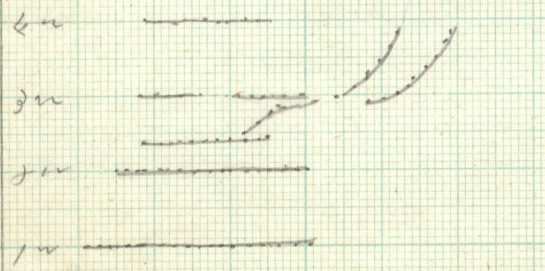
C.Y

6.6P  
250

3.7  
A  
1.1

20.3  
30 ✓

5u 19.47-20.00



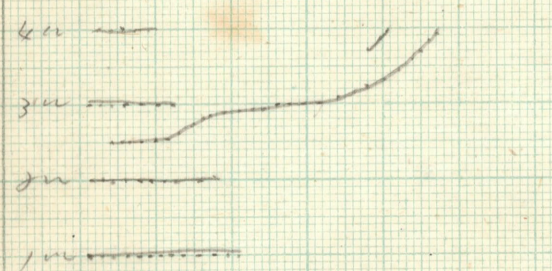
C.Y

5.4  
(250)P

4.0  
A  
1.1

17.2  
32

5u 20.45-20.58



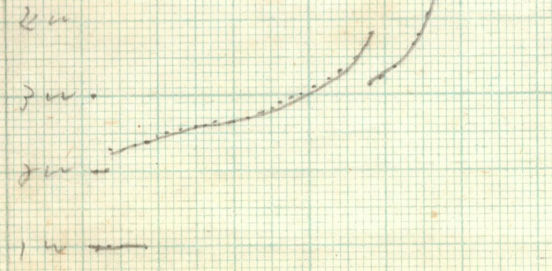
C.Y

5.8  
(250)P

3.1  
A  
1.1

16.0  
27 ✓

5u 21.45-21.55



C.Y

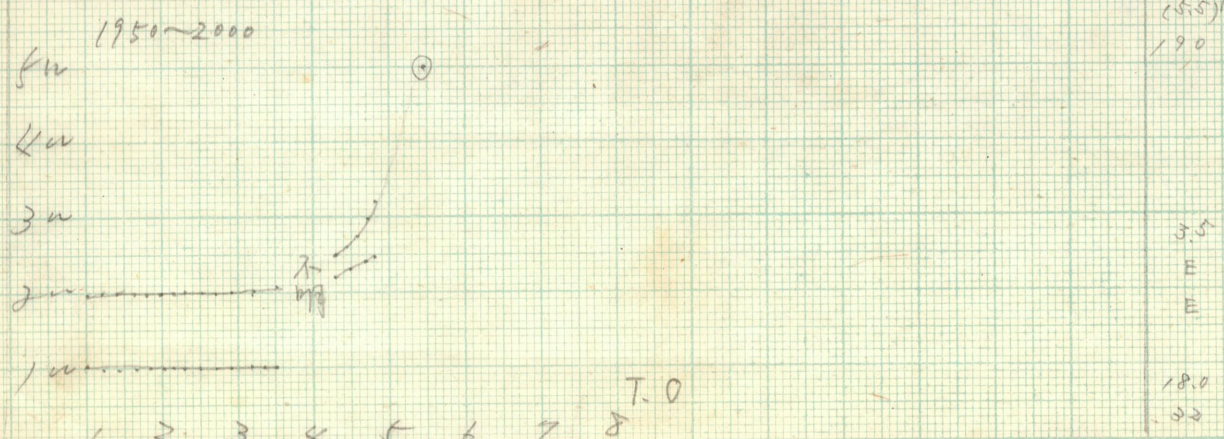
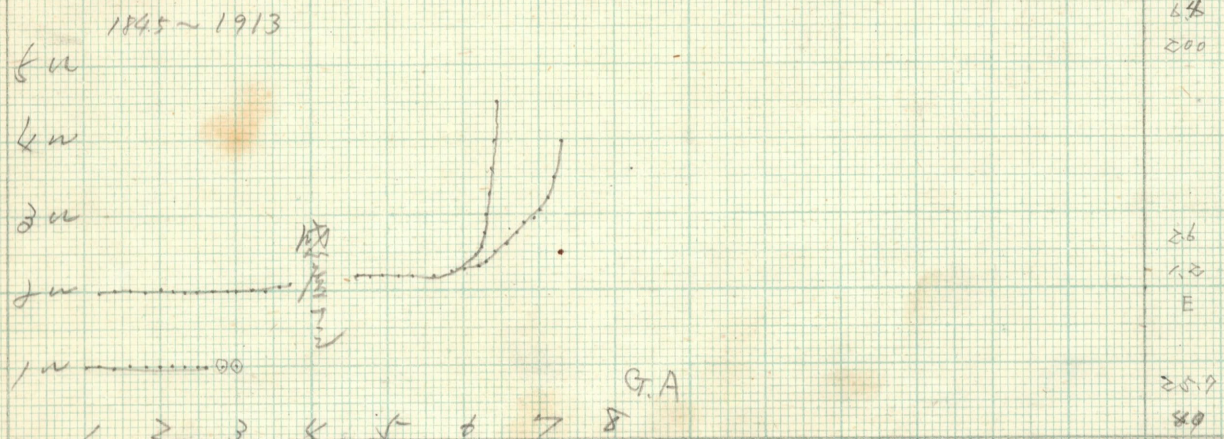
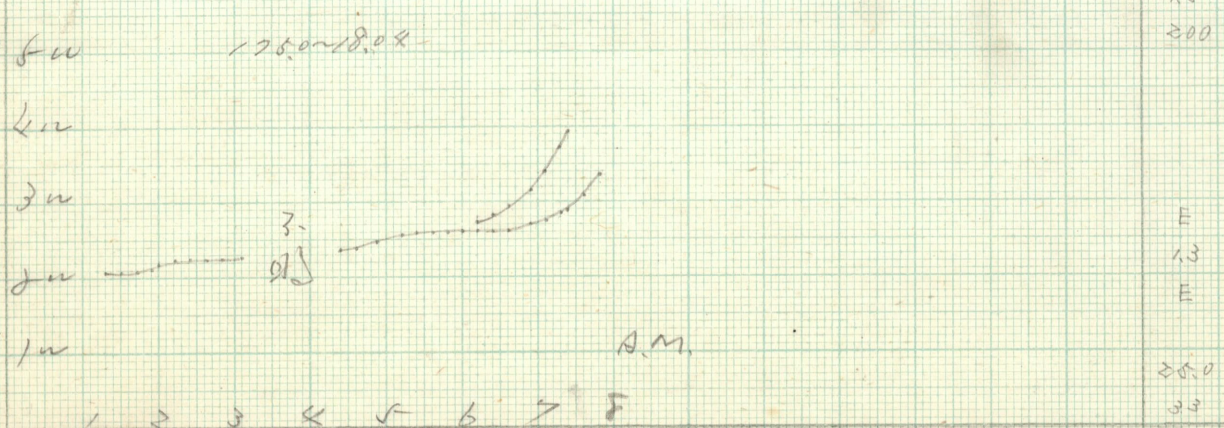
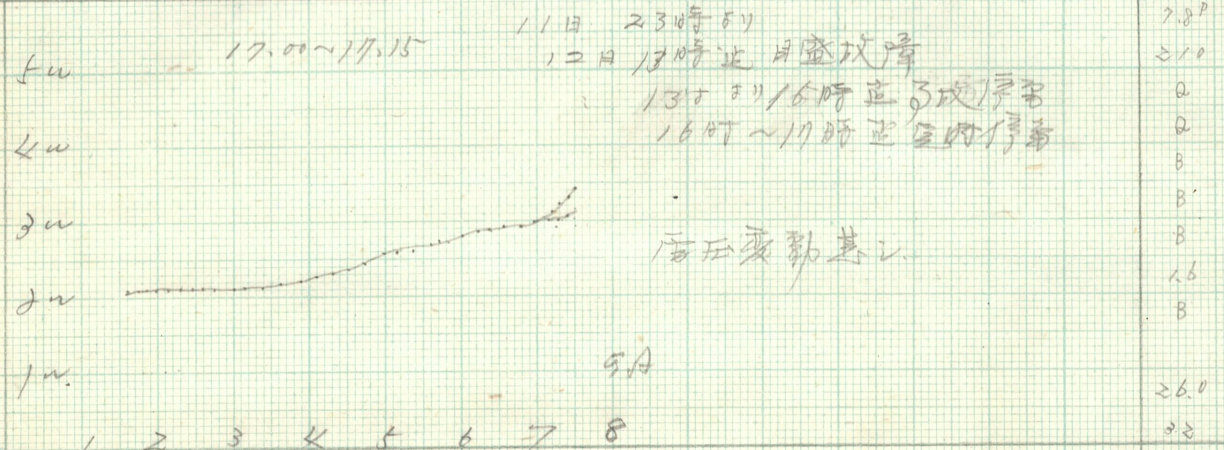
5.0  
22.0

1.8  
1.4  
1.1

16.0  
22 ✓

12th Feb 1948

Wakkanai No 5113



12th Feb 1948

WAKKANAI

No-5114

2050~2058

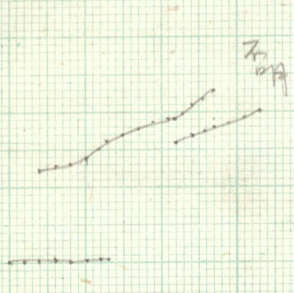
5u

4u

3u

2u

1u



coil 3 = 切替入7カ3  
受信機感度非常 = 悪3

1 2 3 4 5 6 7

2150~2159

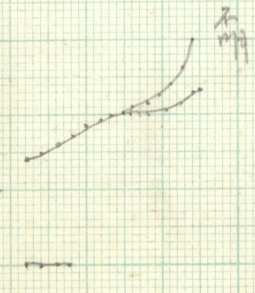
5u

4u

3u

2u

1u



1 2 3 4 5 6 7

2247~2259

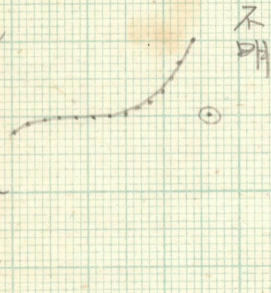
5u

4u

3u

2u

1u



1 2 3 4 5 6 7

5u

4u

3u

2u

1u

1 2 3 4 5 6 7

0  
220

2.3  
A  
E

T.O

0

2.4  
240

1.8  
1.2  
1.2

T.O

11.0  
9.2

0.8  
280

E  
E  
E

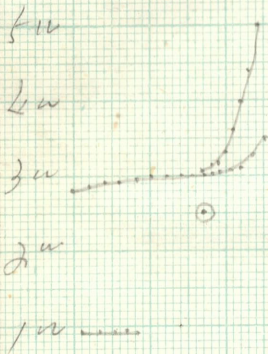
T.O

10.9  
9.2

13th Feb 1948

WAKKANAI NO ~ 5115

2335 ~ 2345



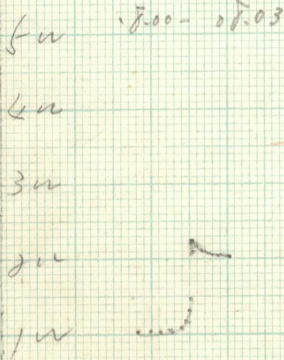
0.000 ~ 0.000  
停電

9.4  
280  
1.8  
E  
1.1

1 2 3 4 5 6 7 8 9 10 11 12

T.O

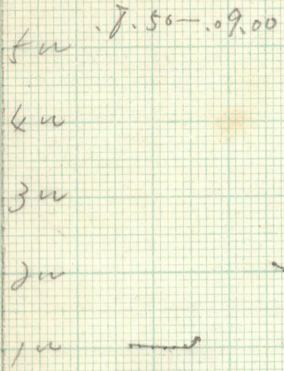
10.5  
2.1



1 2 3 4 5 6 7 8 9 10 11 12

M.H

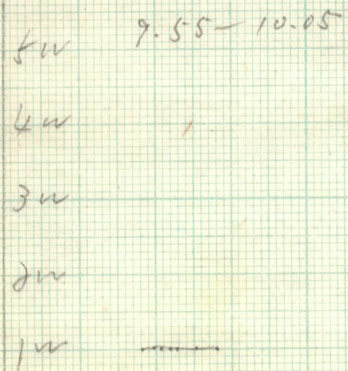
8  
(200)B  
8  
8  
25  
100  
4.5  
25  
1.8



1 2 3 4 5 6 7 8 9 10 11 12

M.H

10.5M  
200M  
2  
2  
26  
100  
4.5  
26  
1.7



1 2 3 4 5 6 7 8 9 10 11 12

M.H

37.0  
35  
11.0  
210  
6.8  
8  
8  
8  
8  
6.0  
1.8

40.0  
2.6



13th Feb 1948

WAKKANAI No - 5116

fu 10.53 - 11.00

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13  
12.03 - 12.14

fu

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13

fu

12.50 ~ 13.05

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13

fu

13.50 - 14.05

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13

11.6

250

L

B

230

B

100

4FE

6.5

1.6

M.H

39.5

3.4

12.4 P

250

L

220

B

B

B

6.2

2.5

M.H

38.0

3.3 P

10.7

230

B

L

B

200

2.9

100

3.2

3.2

1.5

G.A

36.0

3.3

9.9 P

250

L

230

B

B

B

3.8

4.4

1.7

C.Y

3P

13 Feb 1948

WAKKANAI No 5117

5u

14.45-15.00

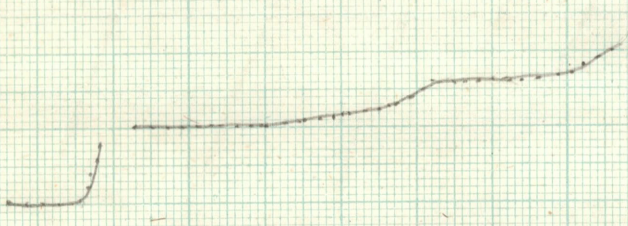
4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10



c.y

9.5JP  
260  
A  
A 200  
28  
100  
4FE  
3.3  
1.6

5u

15.45-16.00

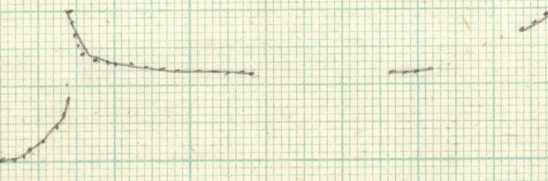
4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10



c.y

JP  
B  
210  
A  
A  
26  
400  
4FE  
24  
1.4

5u

17.00-17.15

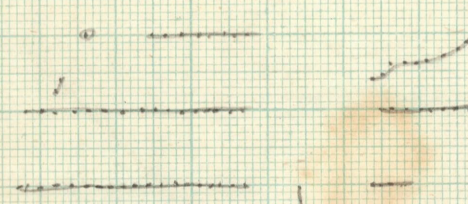
4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10



c.y

B  
260  
A  
A  
A  
A  
6.9  
A  
1.7

5u

17.45-18.00

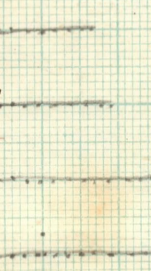
4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10

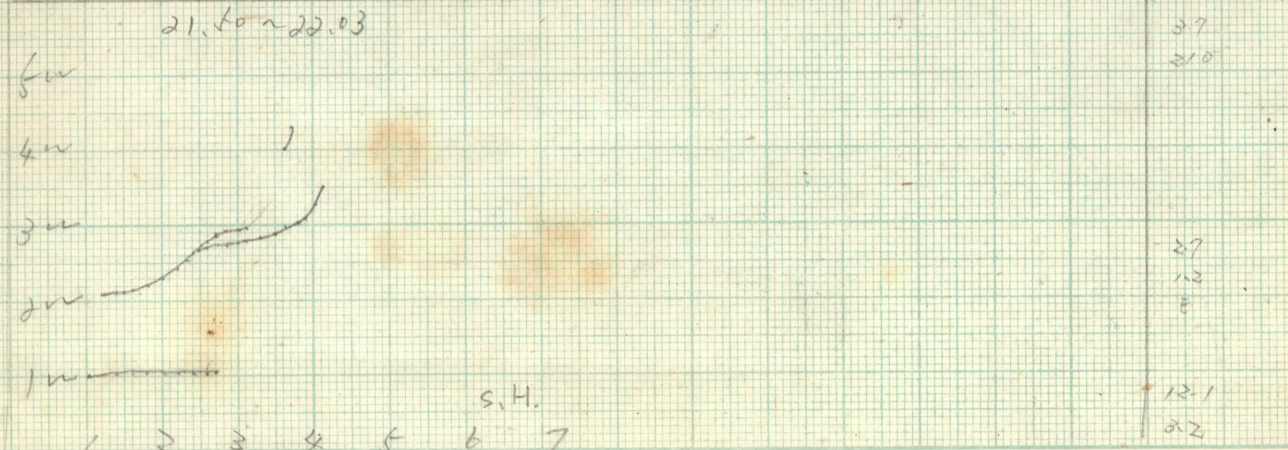
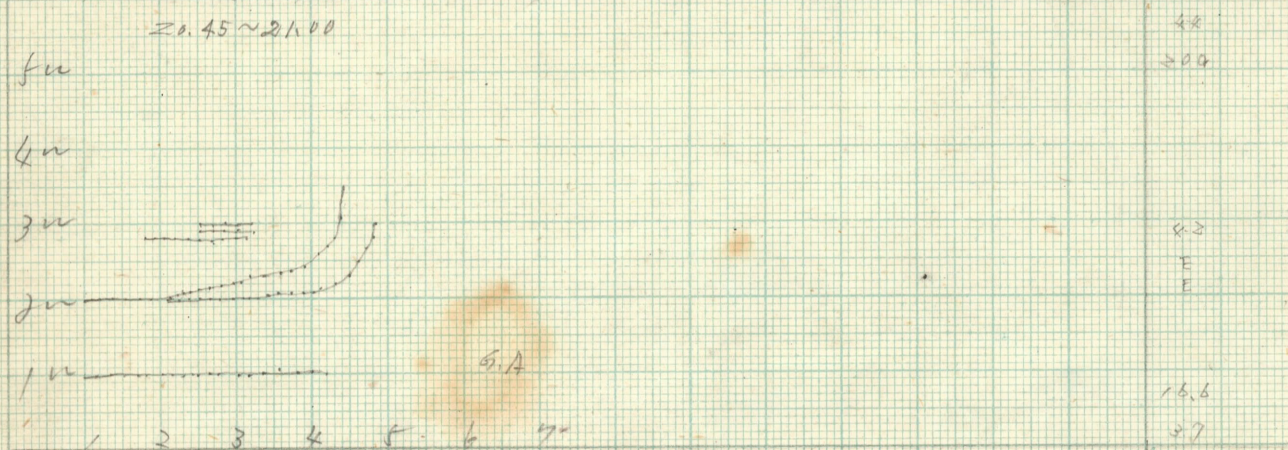
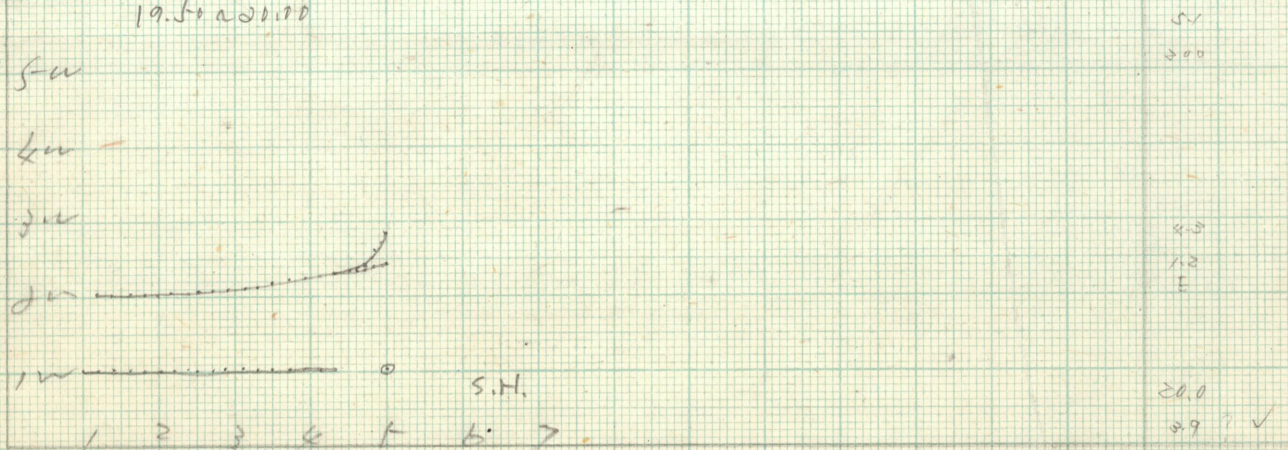
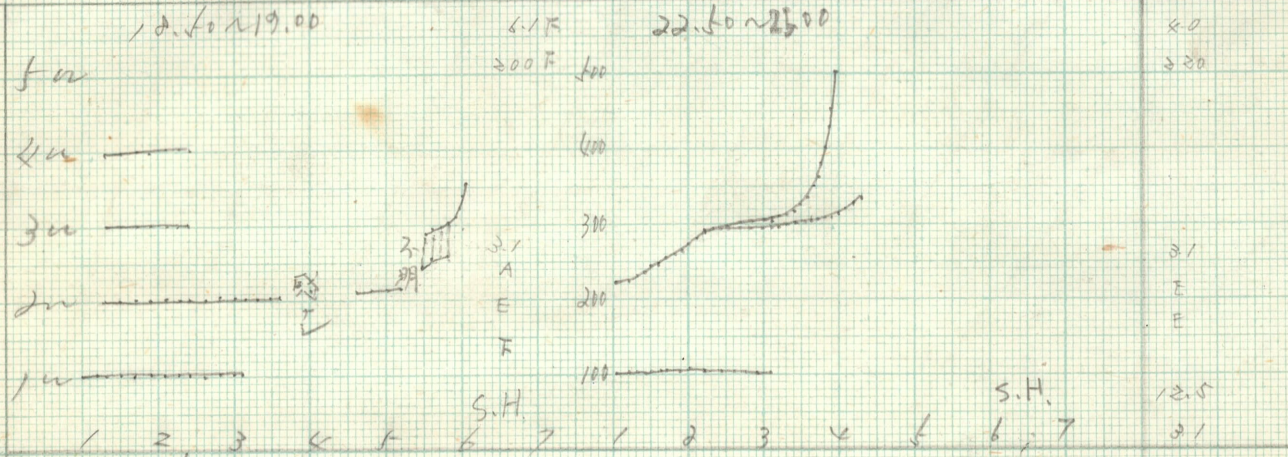


c.y

B  
B  
B  
35  
A  
1.7  
B

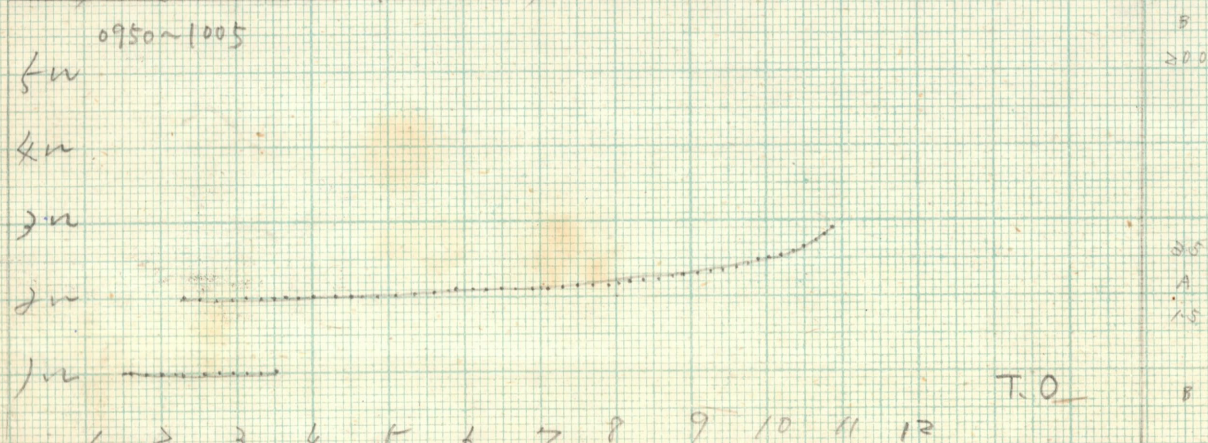
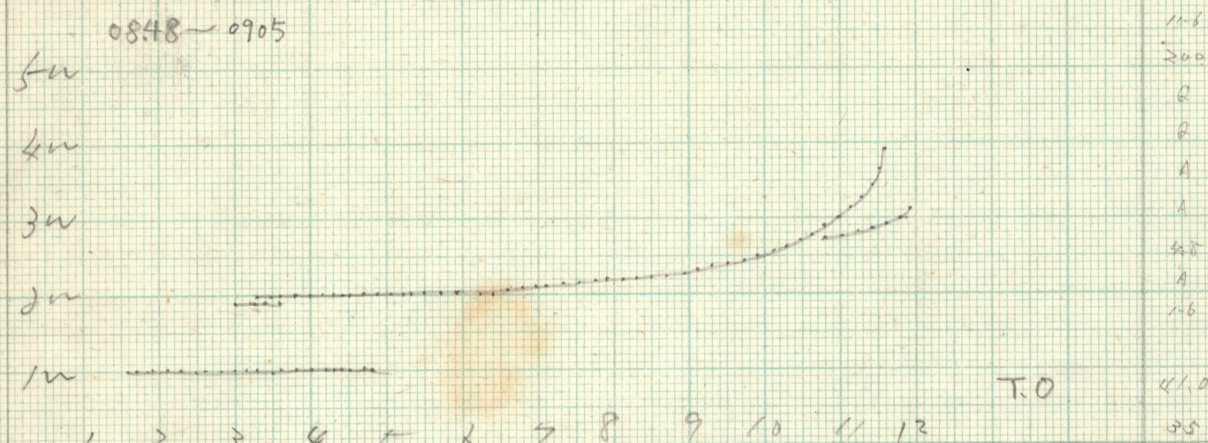
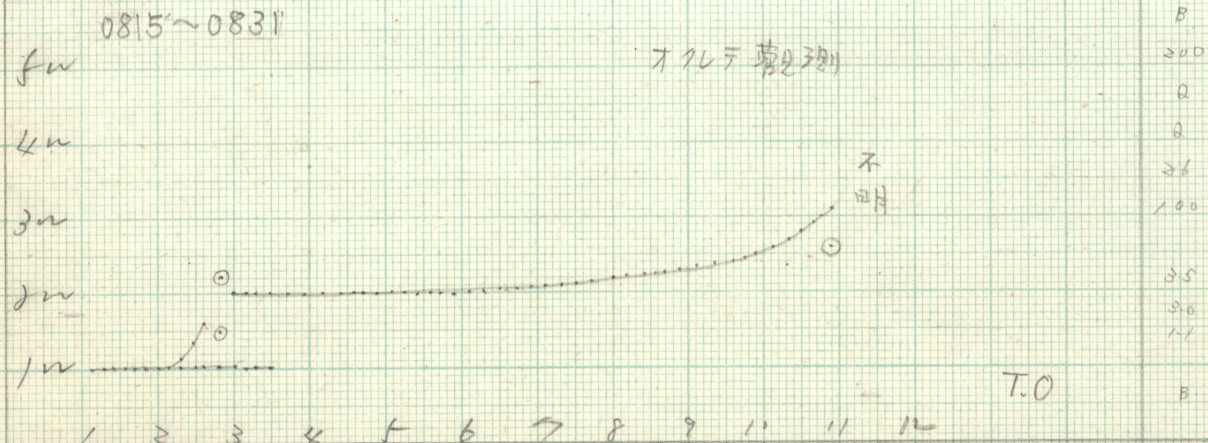
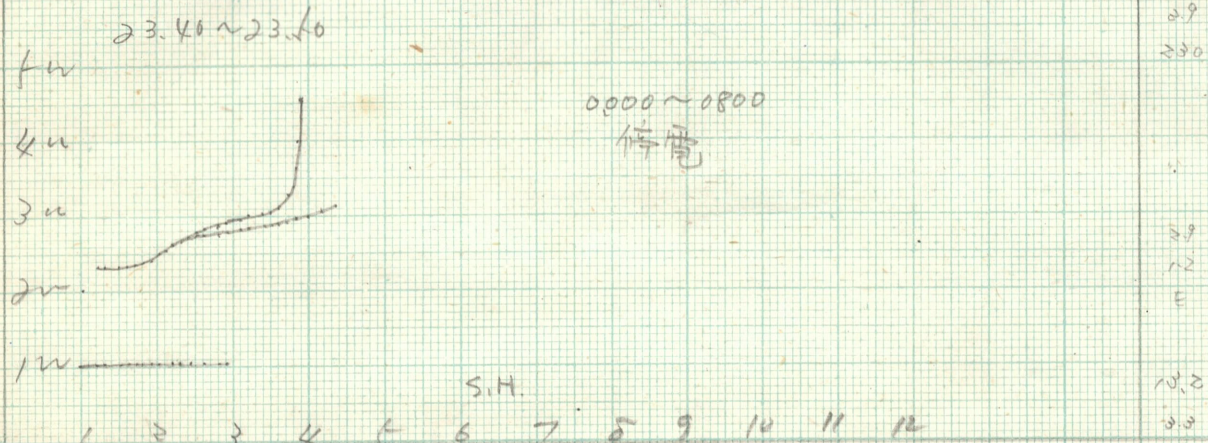
13th Feb 1944

WAKKANAI No. 5118



14th Feb 1940

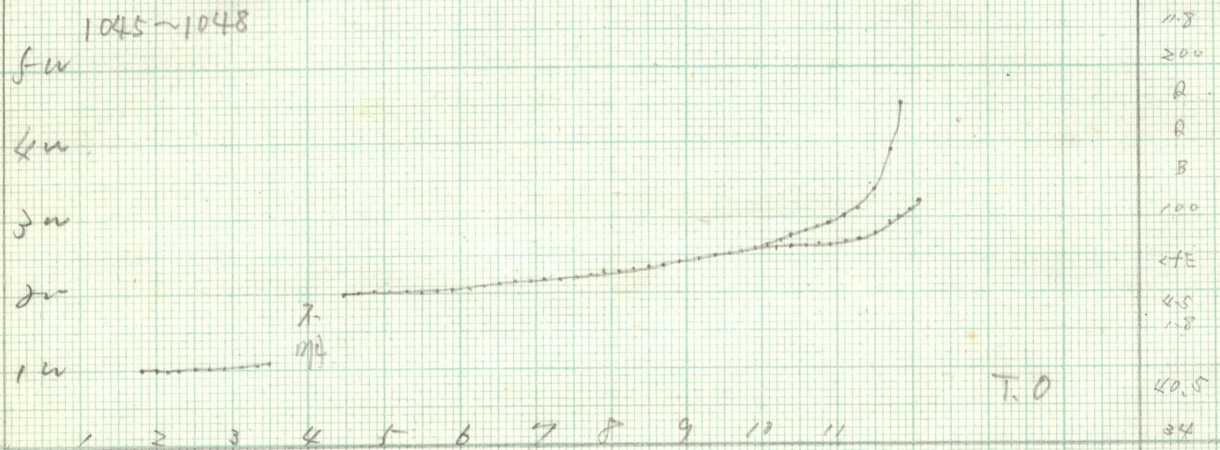
Wakkanai No. 5119



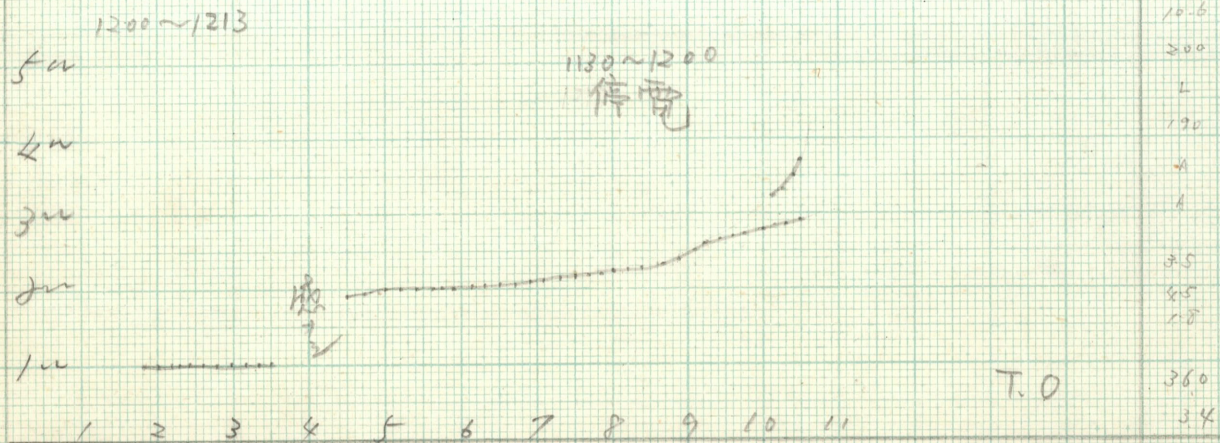
14 th Feb 1948

WAKKANAI

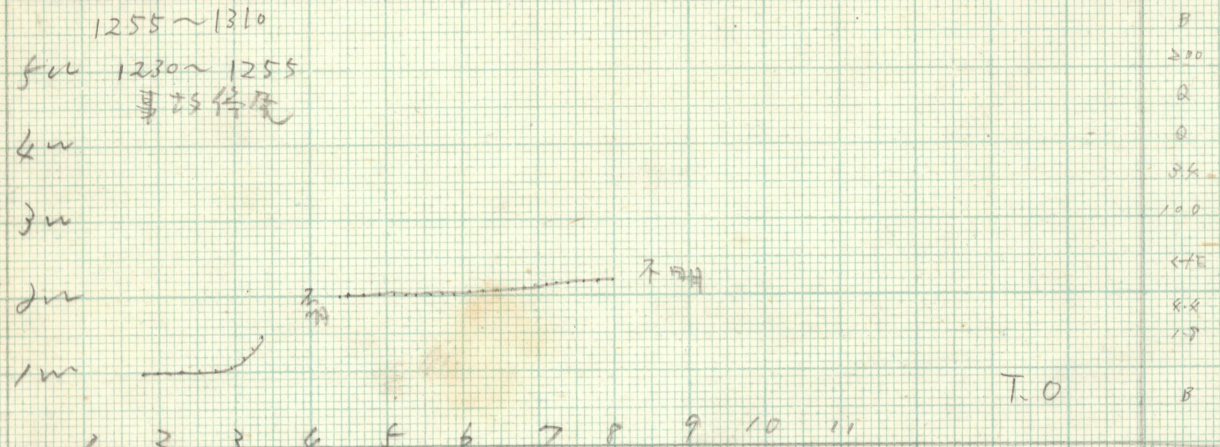
no-5120



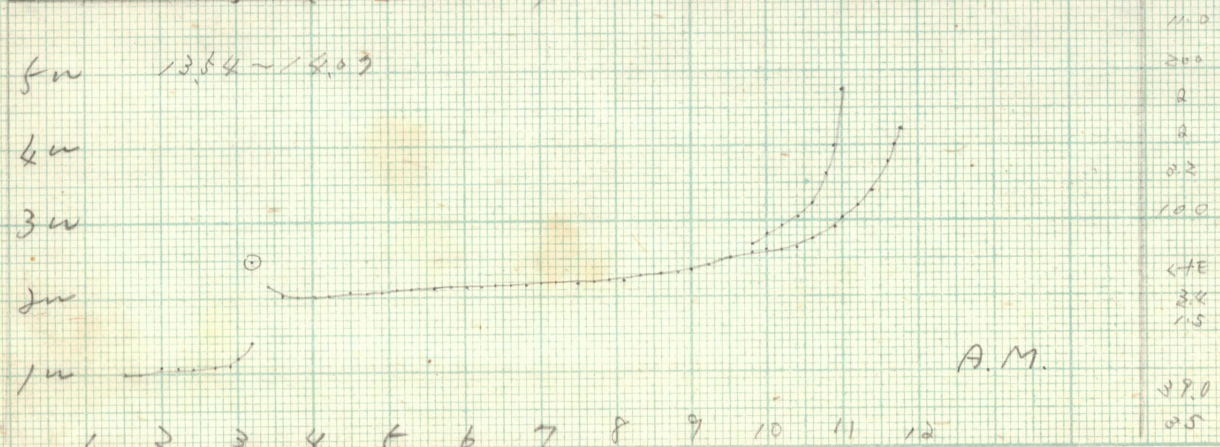
11.8  
200  
2  
2  
3  
100  
4.5  
1.8  
40.5  
34



10.6  
200  
2  
190  
4  
1  
3.5  
4.5  
1.8  
360  
34



11.0  
200  
2  
2  
3.5  
100  
4.5  
4.4  
1.8  
8  
11.0



200  
2  
2  
2.2  
100  
4.5  
3.4  
1.5  
39.0  
2.5

14th Feb 1948

wakkanai No 5/21

fu 15.50~15.55

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11

A.M.

10.1  
550  
1  
200  
28  
100  
45  
50  
18

fu 15.50~16.00

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11

A.M.

1600 停電  
1700

9.9  
210  
0  
0  
22  
100  
45  
22  
12

fu 17.02~17.05

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11

A.M.

8.5  
300  
0  
0  
1  
1  
30  
15  
11

fu 17.50~18.05

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11

A.M.

7.7  
300  
0  
0  
1  
1  
26  
18  
2

14th Feb 1948

Wakkanai No 5122

18.45 ~ 19.20

月夜故障

5w

4w

3w

2w

1w

GA

1 2 3 4 5 6 7

19.45 ~ 20.00

Echo 微弱 3-7周

3 band 27 3-7周

5w

4w

3w

2w

1w

GA

1 2 3 4 5 6 7

20.45 ~ 21.00

3 band 27

echo 不調

5w

4w

3w

2w

1w

GA

1 2 3 4 5 6 7

21.45 ~ 22.00

22周 則 送行 故障

3 band 27

echo 不調

5w

4w

3w

2w

1w

GA

1 2 3 4 5 6 7

27P  
200

E  
14  
E

100  
05P

C  
200

20  
14  
14

C

C

200

21  
13  
13

C

16th Feb 1948

Wakkanai No. 5128

14H~22H3~15H1030

5w

10.50 ~ 11.10

並波帯ハリコン短波帯に於て  
短波帯より観測

送信機故障

c  
230

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

G.A

c  
↓

12.00 ~ 12.10

5w

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

G.A

11.5

280

c

↓

28.4

23

12.50 ~ 13.00

5w

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

G.A

12.0

270

c

↓

27.7

21 ✓

13.50 ~ 14.00

5w

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

G.A

11.2

260

c

↓

230

27.0

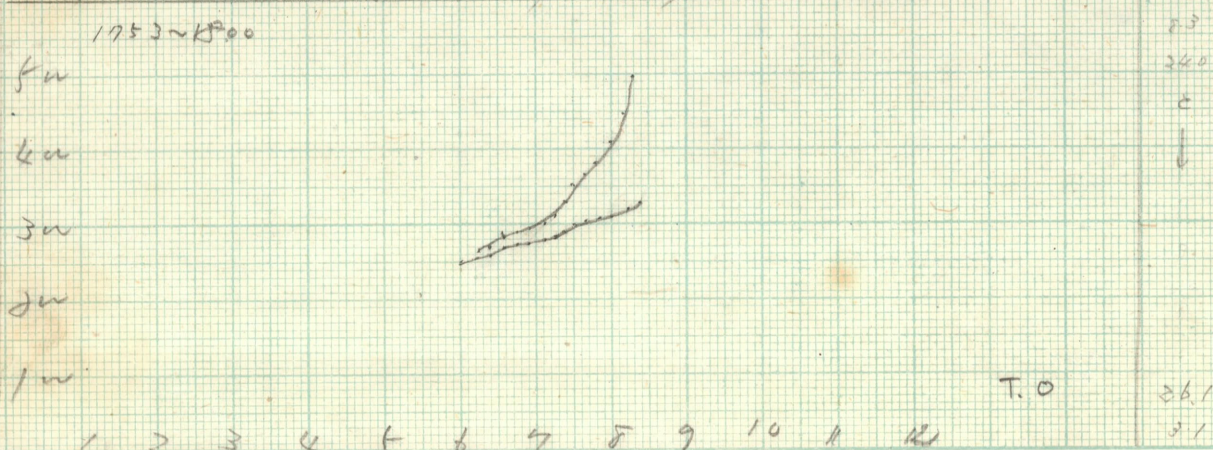
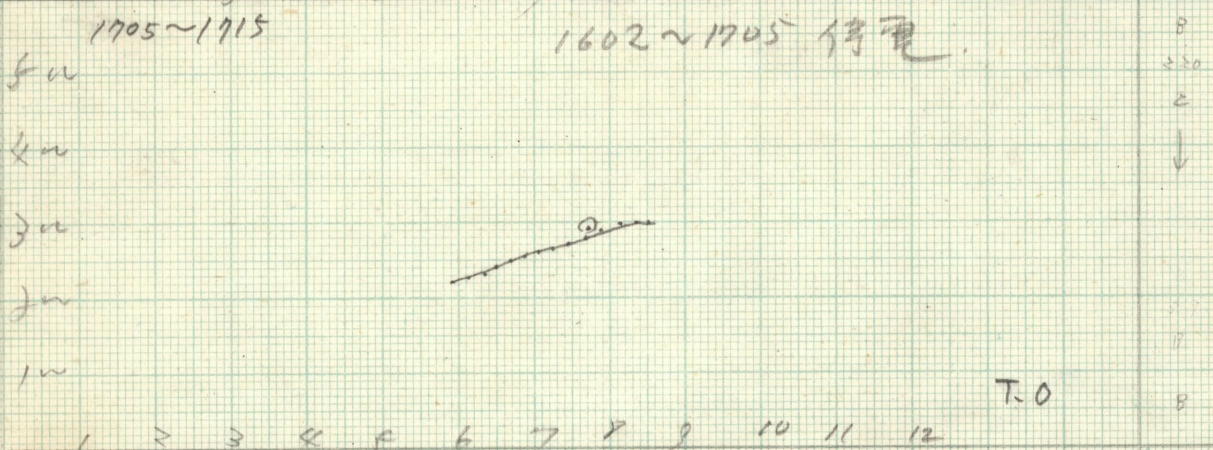
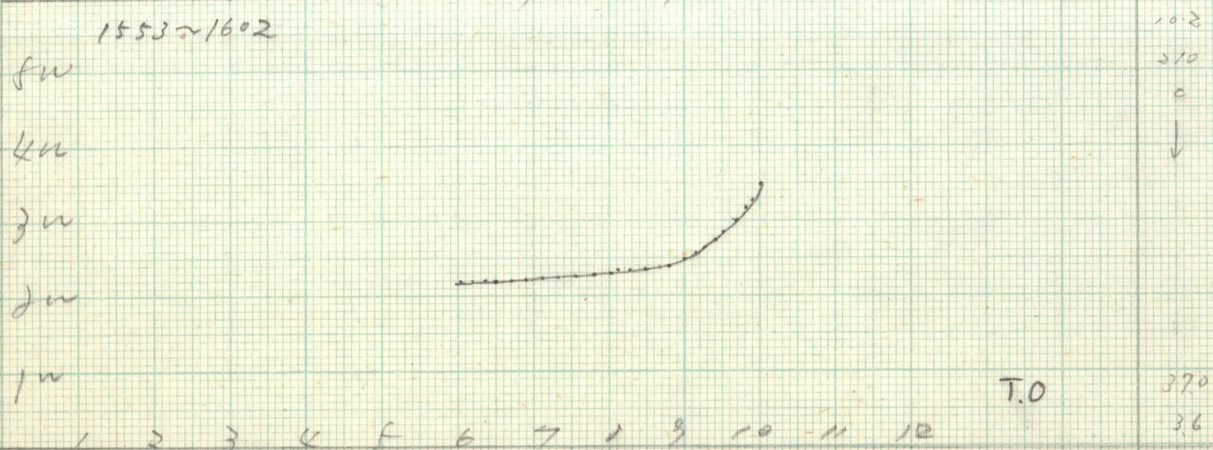
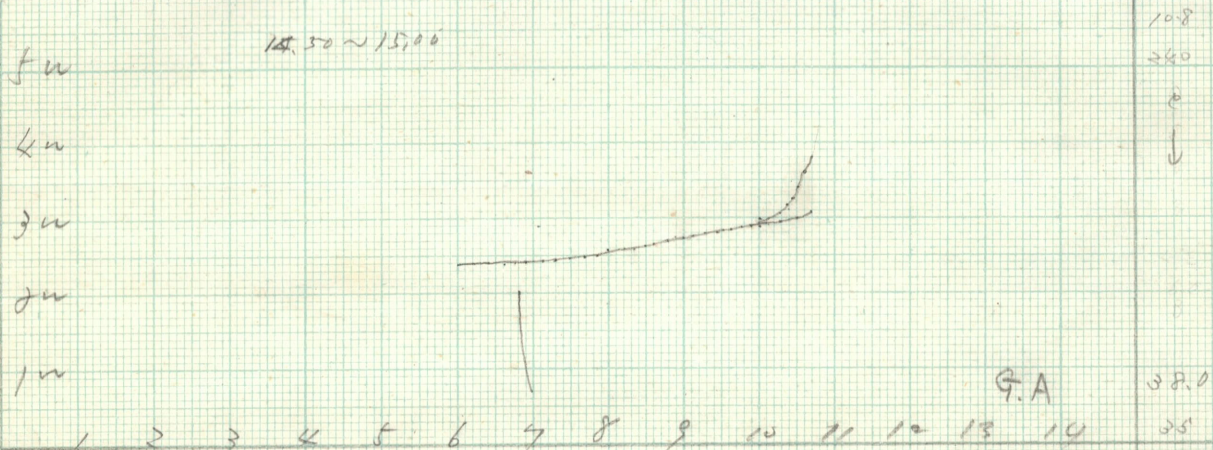
22



16th Feb 1948

Wahlmann

No. 5124



16 th Feb 1948

WAKKANAI

No - 5125

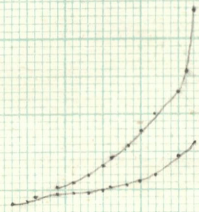
f<sub>w</sub> 1850~1903

k<sub>w</sub>

3<sub>w</sub>

2<sub>w</sub>

1<sub>w</sub>



A.M.

1 2 3 4 5 6 7 8 9 10

27  
280  
c  
↓

23.0  
3.0

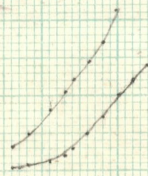
f<sub>w</sub> 1950~2002

k<sub>w</sub>

3<sub>w</sub>

2<sub>w</sub>

1<sub>w</sub>



A.M.

1 2 3 4 5 6 7 8 9 10

21  
300  
c  
↓

20.0  
2.0

f<sub>w</sub> 2048~2100

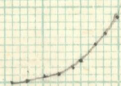
k<sub>w</sub>

3<sub>w</sub>

2<sub>w</sub>

1<sub>w</sub>

3.0



A.M.

1 2 3 4 5 6 7 8 9 10

22  
300  
c  
↓

22.9  
3.1

f<sub>w</sub> 2148~2158

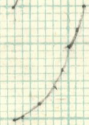
k<sub>w</sub>

3<sub>w</sub>

2<sub>w</sub>

1<sub>w</sub>

56  
300  
c  
↓



2250~2300

500  
400  
300  
200  
100

58  
(2240)B  
c  
↓



A.M.

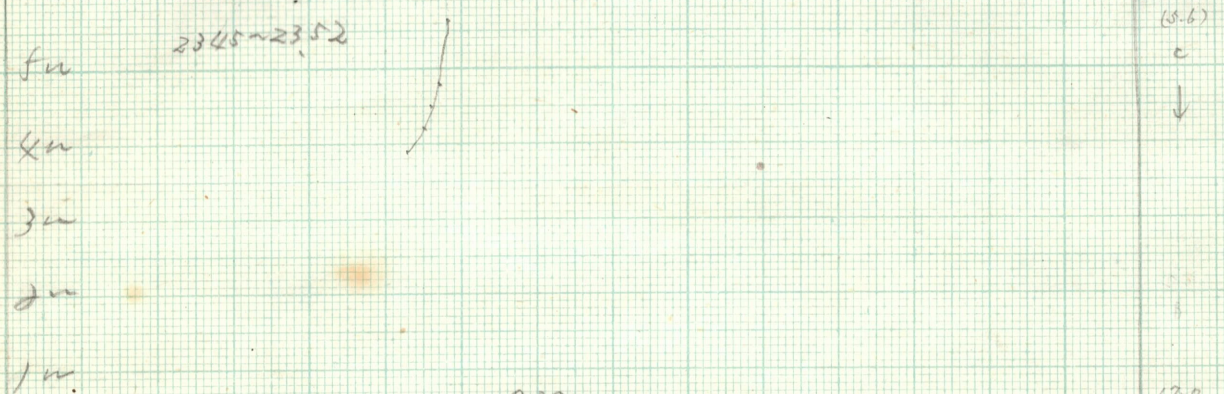
A.M.

1 2 3 4 5 6 2 3 4 5 6

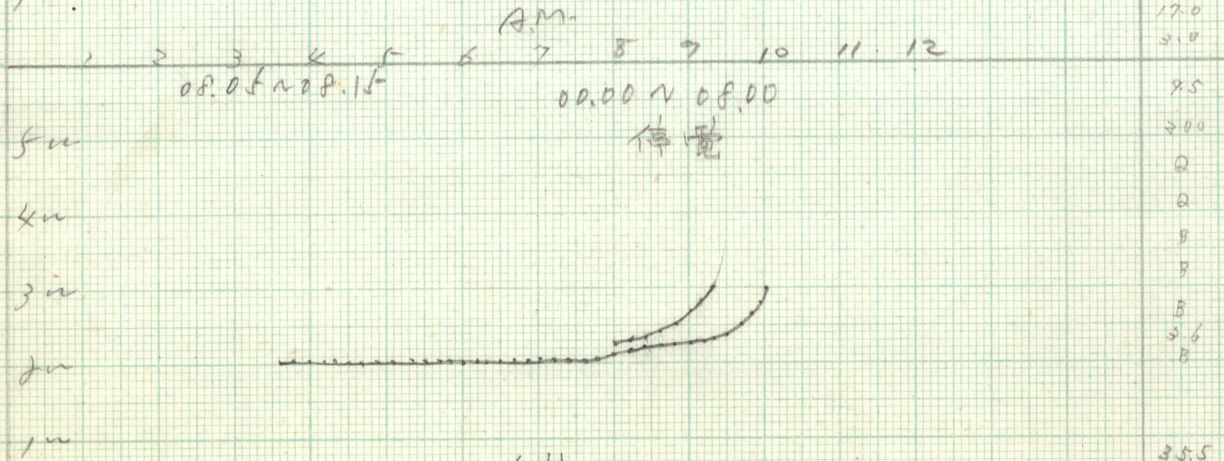
229  
3.1  
c

17th Feb 1948

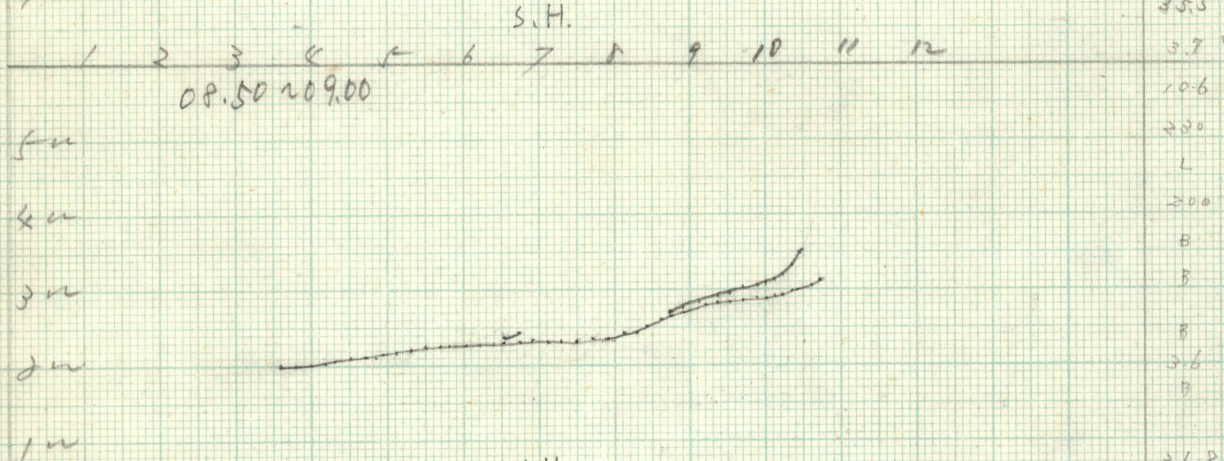
WAKKANAI No-5126



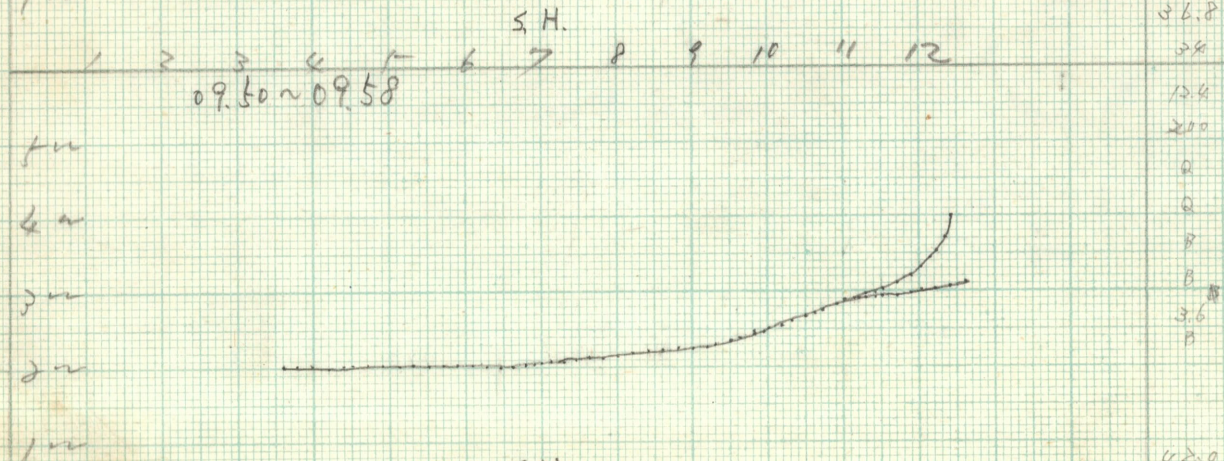
(5.6)  
c  
↓



17.0  
3.0  
9.5  
3.0  
Q  
Q  
B  
B  
B  
3.6  
B



35.5  
3.7  
10.6  
3.0  
L  
3.0  
B  
B  
B  
3.6  
B



56.8  
3.4  
12.4  
2.0  
Q  
Q  
B  
B  
3.6  
B



42.0  
2.3

17th Feb 1968  
10.50~10.58

Wakkanai no 5127

5u

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13 S.H.

12.00~12.10

5u

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13 S.H.

12.50~13.00

5u

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13 S.H.

1300~1530 1545~1600 1545~1600 修理(取換)

5u

4u

3u

2u

1u

1 2 3 4 5 6 7 8 9 10 11 12 13 FU

122  
200  
Q  
Q  
B  
B  
B  
26  
B

41.0  
2.3

121  
200  
Q  
Q  
B  
B  
B  
25  
B

46.0  
28

11.6  
200  
Q  
Q  
B  
B  
B  
27  
B

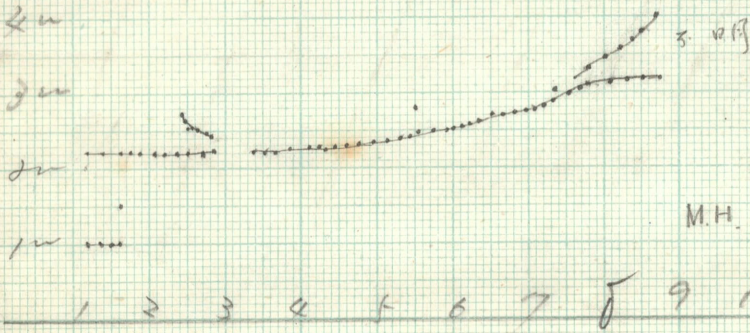
49.2  
23

B  
210  
Q  
Q  
A  
A  
22  
22  
E  
B

17th FEB 1948

WAKKANAI No 5128

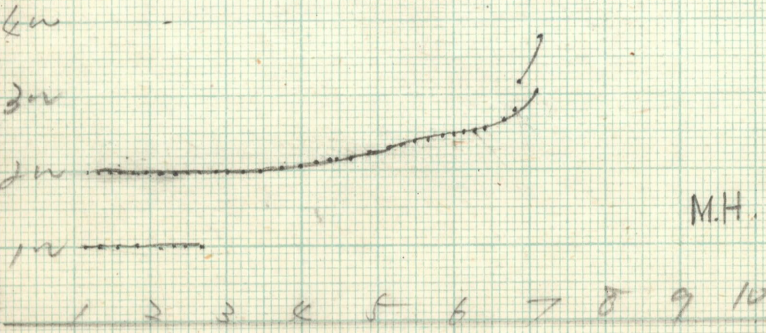
fu 05.03 - 05.16.  
17.00



28  
220  
0  
0  
A  
A  
16  
12  
12

M.H.

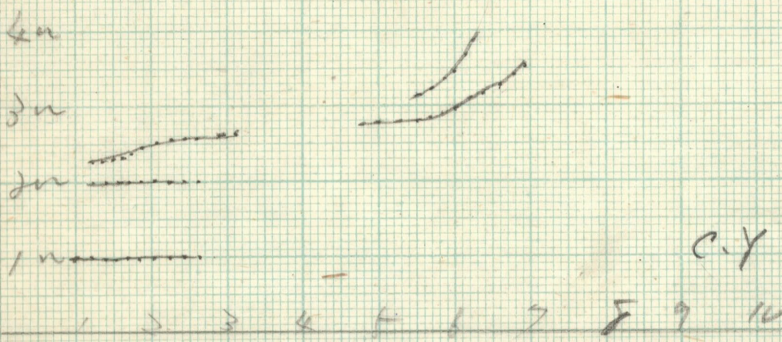
fu 05.50 - 06.03.  
18.00



27.8  
31  
22  
200

M.H.

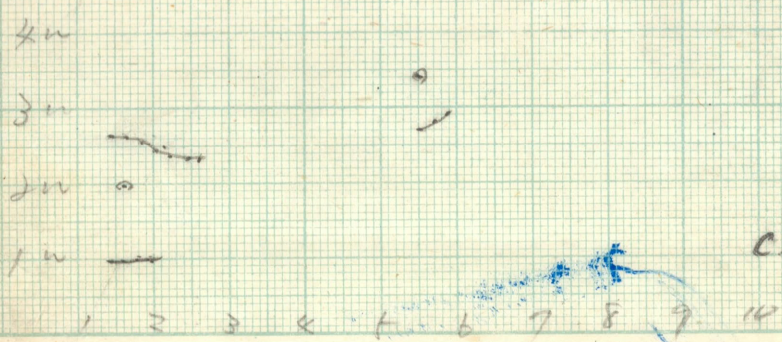
fu 08.45 - 09.03



25.0  
24  
25  
220

C.Y.

fu 19.45 - 20.00



20.6  
21  
5

C.Y.

21  
16  
14  
5

17. Feb. 1948

WAKKANAI No 5129

fu 20.45-21.04

ku

ju

su

tu

c.y

1 2 3 4 5 6 7

S  
270

27

E

E

S

fu 21.50-22.15

ku

ju

su

tu

c.y

1 2 3 4 5 6 7

26

280

E

E

E

11.5

3.2

fu 22.45-23.00

ku

ju

su

tu

c.y

1 2 3 4 5 6 7

S

260

E

E

E

S

fu

ku

ju

su

tu

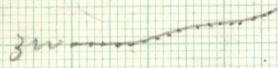
1 2 3 4 5 6 7

18. Feb. 1945

WAKKANAI No 5730

f<sub>u</sub> 23.40-23.50

f<sub>u</sub>



f<sub>u</sub>

f<sub>u</sub>

C.Y

1 2 3 4 5 6 7

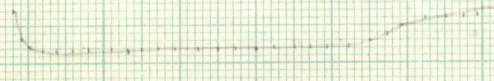
f<sub>u</sub> 0812~0824.

f<sub>u</sub>

f<sub>u</sub>

f<sub>u</sub>

f<sub>u</sub>



A.M.

1 2 3 4 5 6 7 8 9 10

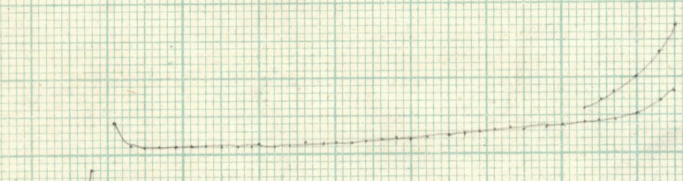
f<sub>u</sub> 0850~0905

f<sub>u</sub>

f<sub>u</sub>

f<sub>u</sub>

f<sub>u</sub>



A.M.

1 2 3 4 5 6 7 8 9 10 11 12

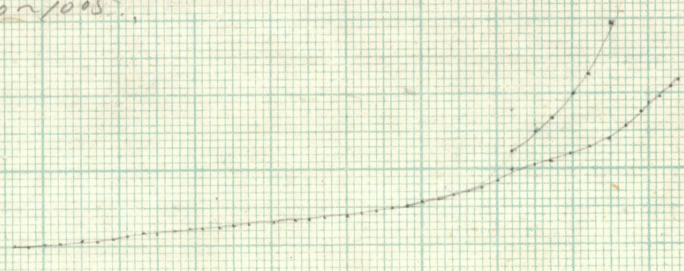
f<sub>u</sub> 0950~1005.

f<sub>u</sub>

f<sub>u</sub>

f<sub>u</sub>

f<sub>u</sub>



A.M.

1 2 3 4 5 6 7 8 9 10 11 12

S  
200

E  
E  
E

S

S  
200

B  
B  
A  
A

29  
28  
18

S

10.6  
210

B  
B  
28  
100

27E  
21  
18

28.0  
35

117  
200  
B  
B

28  
110

27E  
26  
15

28.0  
22

18th Feb 1948

W-405/31

fu

1047~1102

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

A.M.

122  
350  
L  
300  
37  
100  
47E  
34  
15

40.0  
32

fu

1203~1216

1150 }  
1200 }

1216 }  
1247 }

停電

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

A.M.

118 JP  
340  
L  
300  
33  
100  
47E  
30  
15

39.0  
33

fu

1250~1304

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12

A.M.

112  
300  
Q  
Q  
33  
100  
47E  
29  
17

37.5  
31

fu

13.55~14.10

運送用石粉の観測

4w

3w

2w

1w

1 2 3 4 5 6 7 8 9 10 11 12 13

G.A

112  
300  
Q  
Q  
31  
100  
47E  
28  
15

45.0  
40V



18th Feb 1948

Wahkanai No 5132

500

14.45 ~ 15.00

10.9

210

400

L

200

300

2.9

100

200

2.5

2.9

1.6

100

G.A.

0.22

1 2 3 4 5 6 7 8 9 10 11 12

0.5

500

15.45 ~ 16.00

9.4

200

400

A

A

300

2.0

100

200

2.5

2.5

1.0

100

G.A.

0.20

1 2 3 4 5 6 7 8 9 10 11

0.4

500

17.00 ~ 17.15

C

250

400

港在变动息の観測子記

L

200

300

A

A

200

2.8

1.6

1.4

100

G.A.

0

1 2 3 4 5 6 7 8 9 10

500

17.45 ~ 18.20

月夜故障

400

300

200

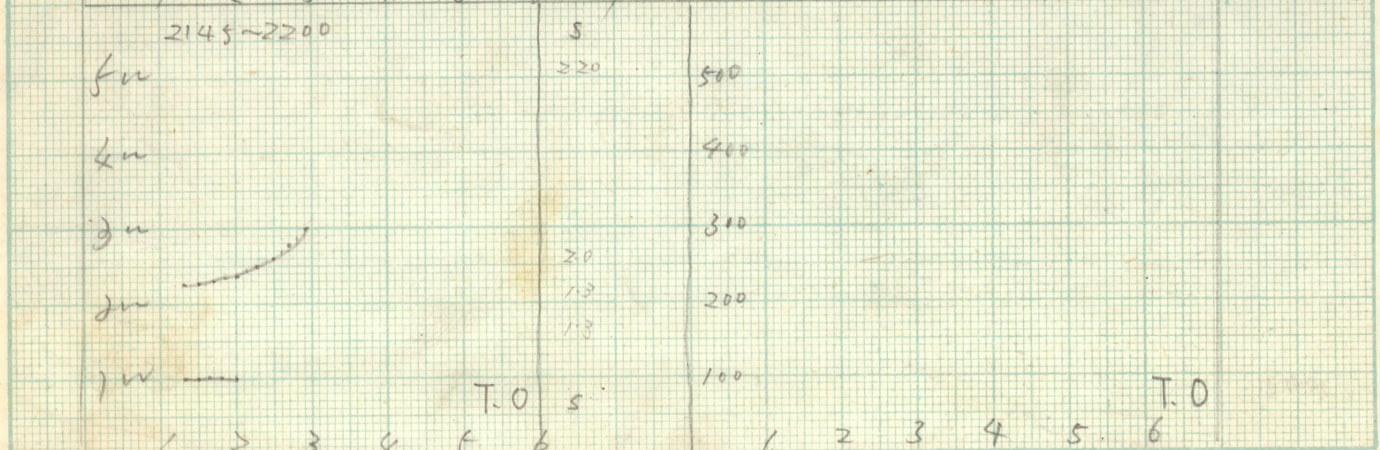
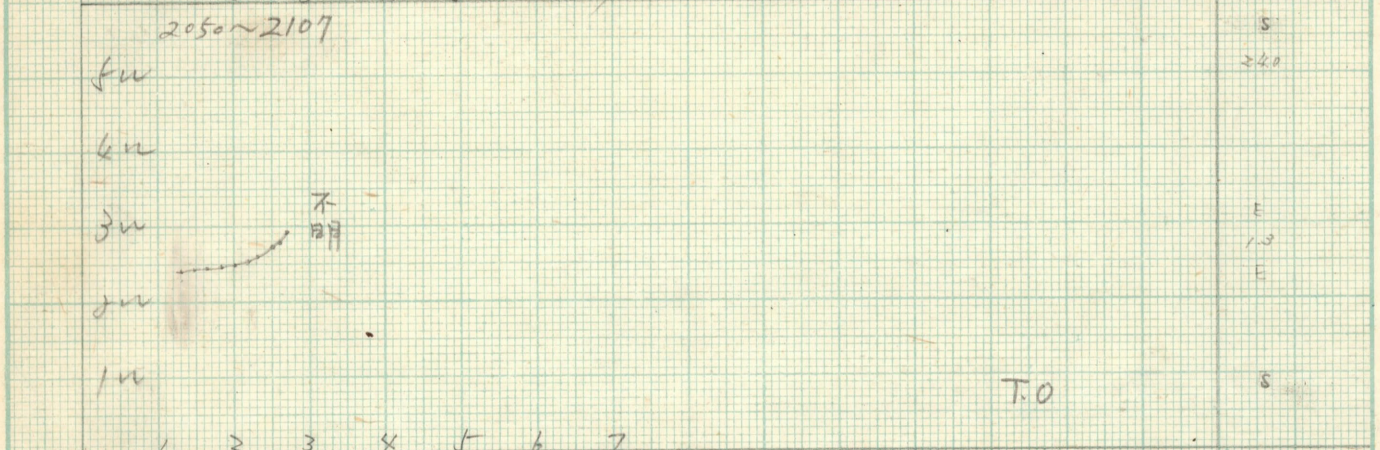
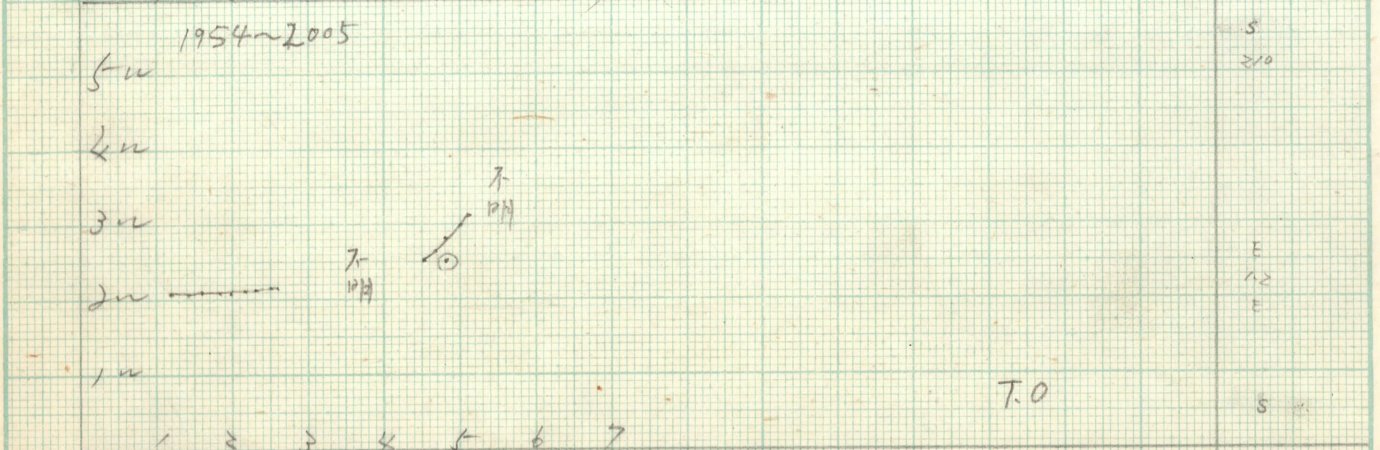
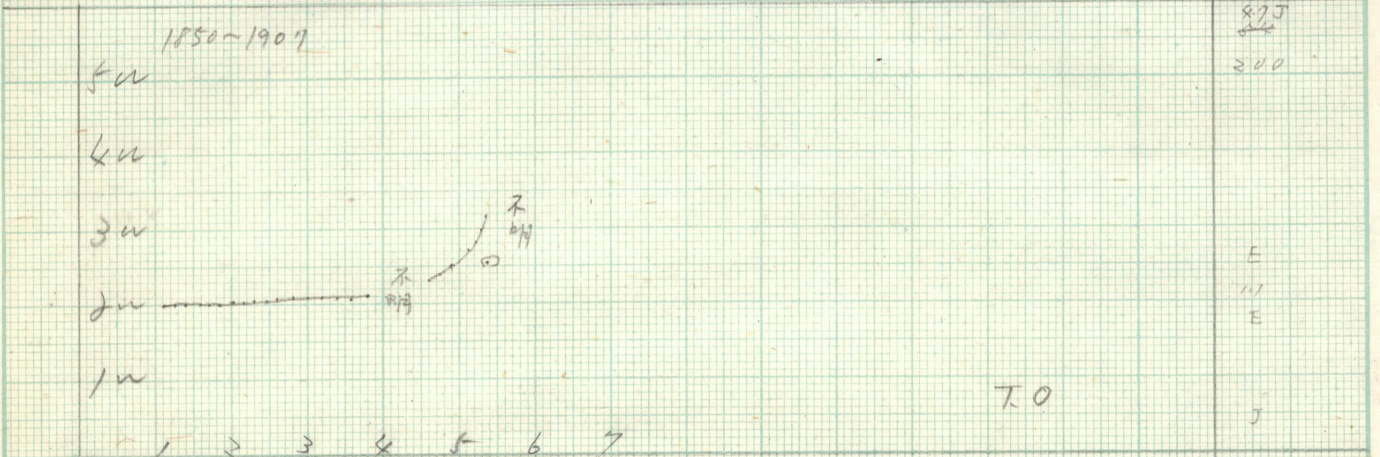
100

G.A.

1 2 3 4 5 6 7 8 9 10

18th Feb 1998

Wakkanai No. 5133



19th Feb 1948

WAKKANAI No. 5134

500  
400  
300  
200  
100

18日 20時50分～  
目撃機故障  
19日 13時完了。

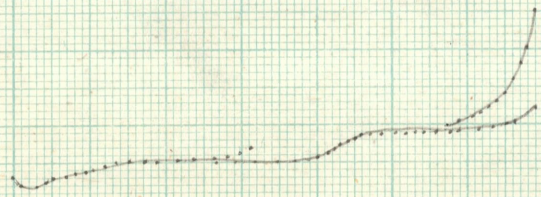
M.H

1 2 3 4 5 6 7 8 9

500 13.15-15.30

400  
300  
200  
100

10.9  
240  
L  
220  
B  
B  
26  
2.7  
22



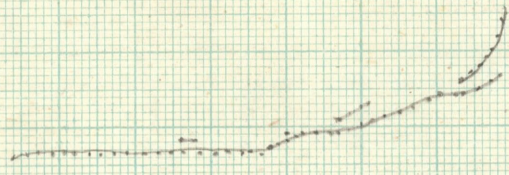
M.H

1 2 3 4 5 6 7 8 9 10 11

500 13.50-14.15

400  
300  
200  
100

10.9  
260  
L  
B  
B  
B  
2.4  
B



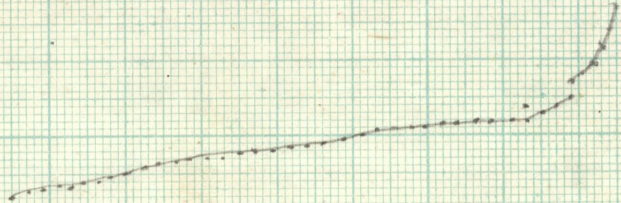
C.Y

1 2 3 4 5 6 7 8 9 10 11

500 14.48-15.04

400  
300  
200  
100

11.3  
270  
L  
230  
3.1  
100  
4.5  
2.5  
1.8



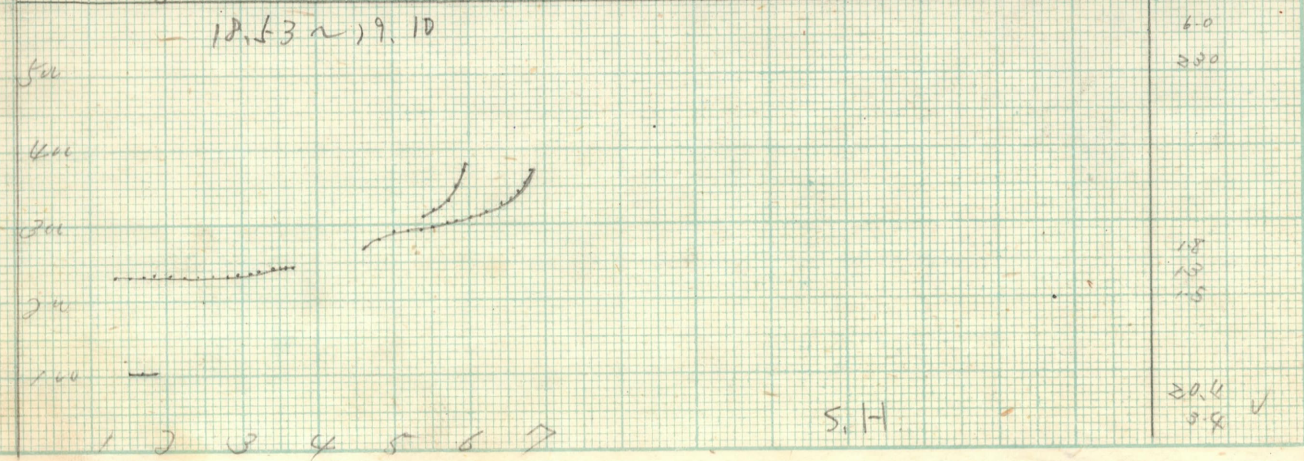
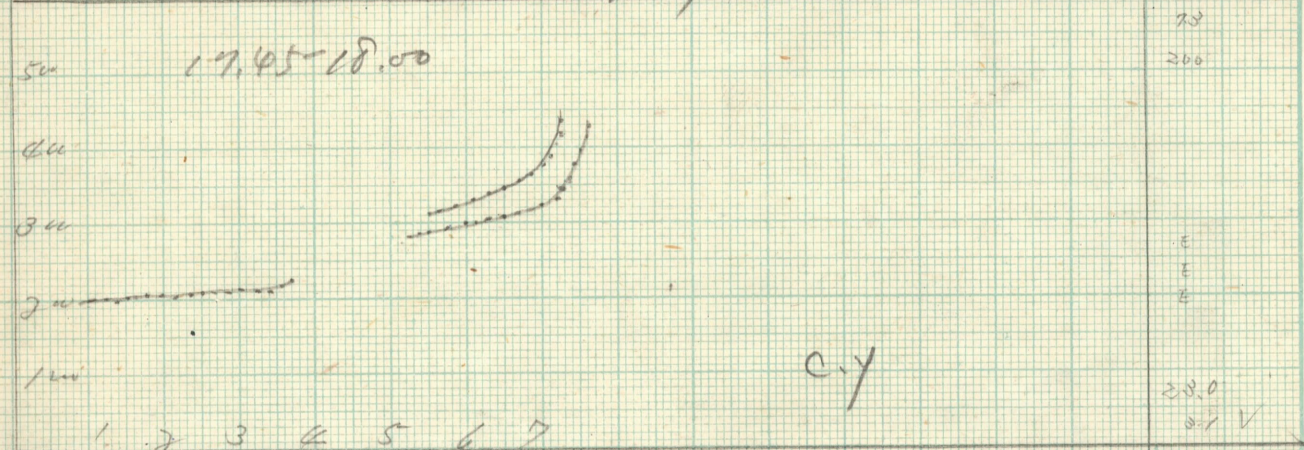
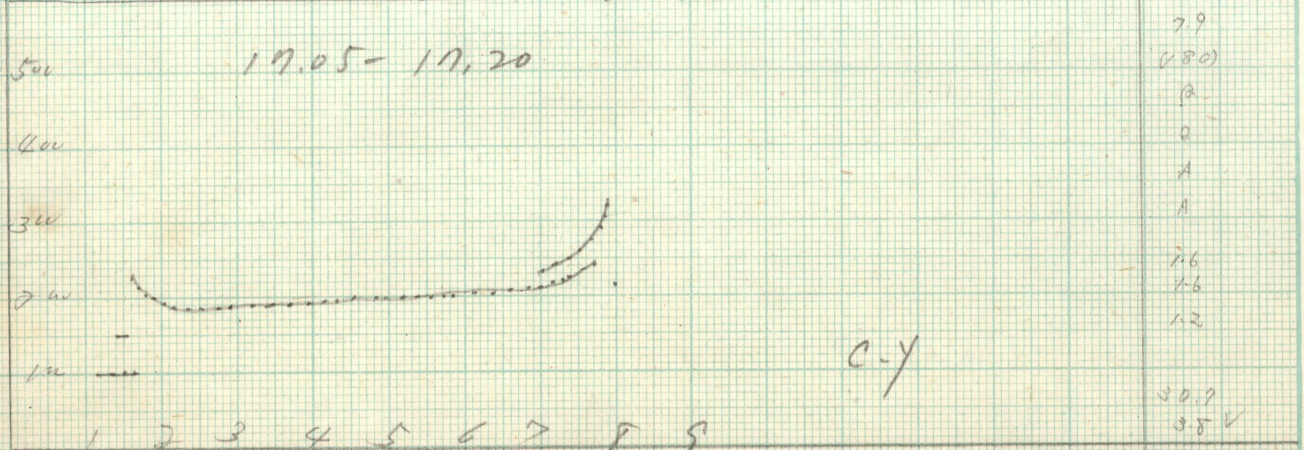
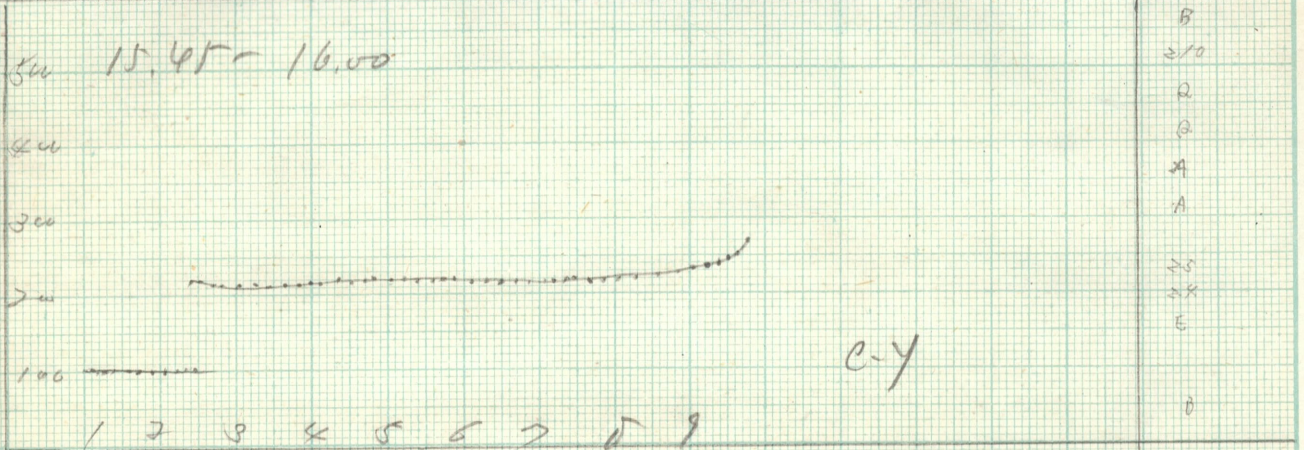
C.Y

1 2 3 4 5 6 7 8 9 10 11 12

3.6  
3.0

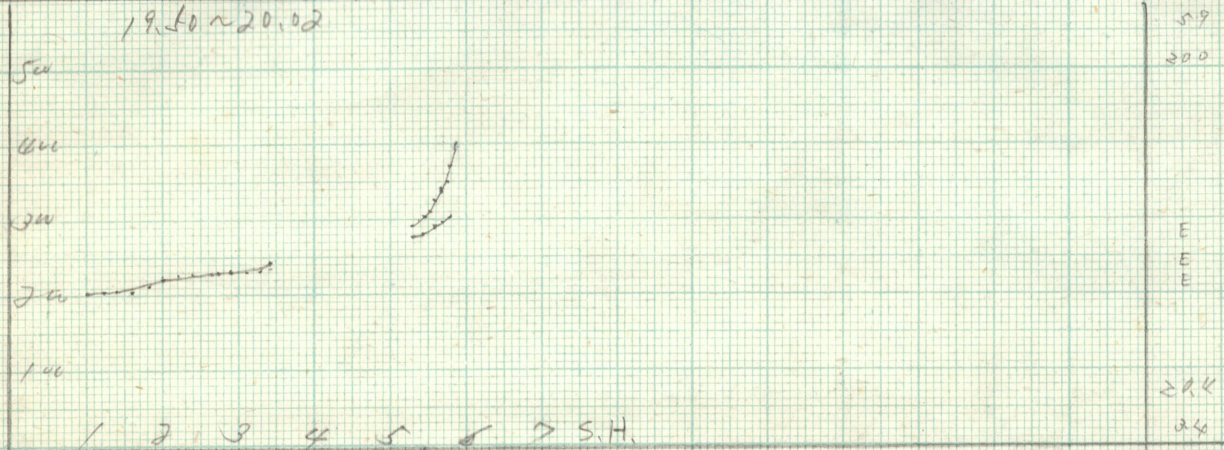
19. Feb. 1948

WAKKANAI No-5135



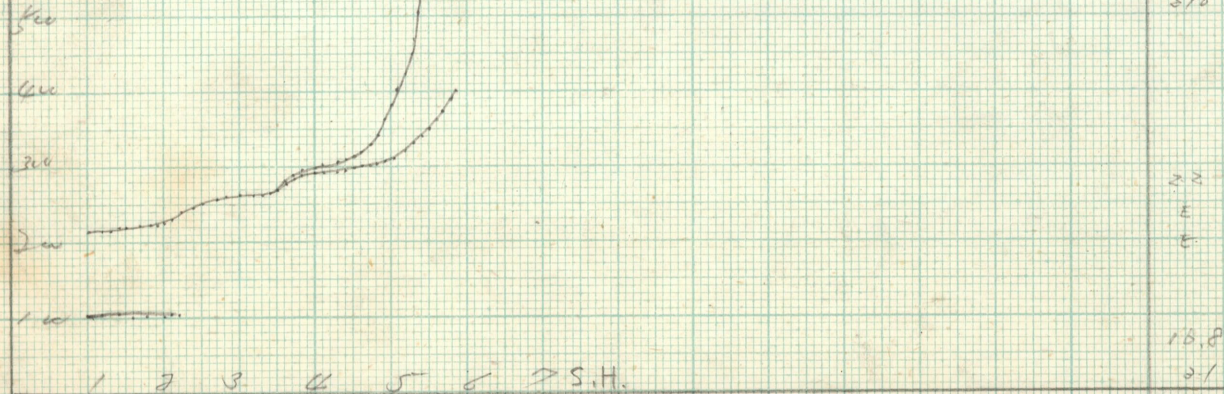
19 th Feb 1968  
19.50 ~ 20.02

Wakkanan No ~ 136



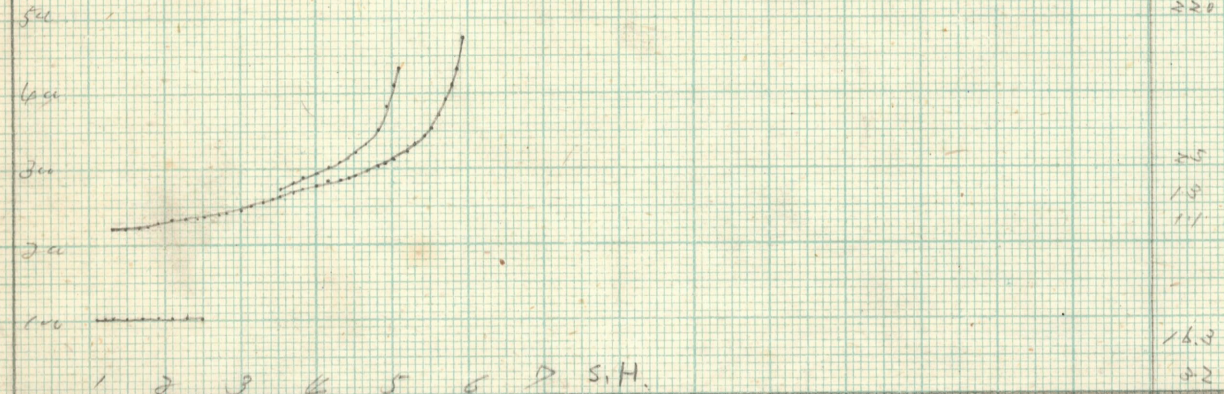
59  
300  
E  
E  
E  
224  
24

20.50 ~ 21.00



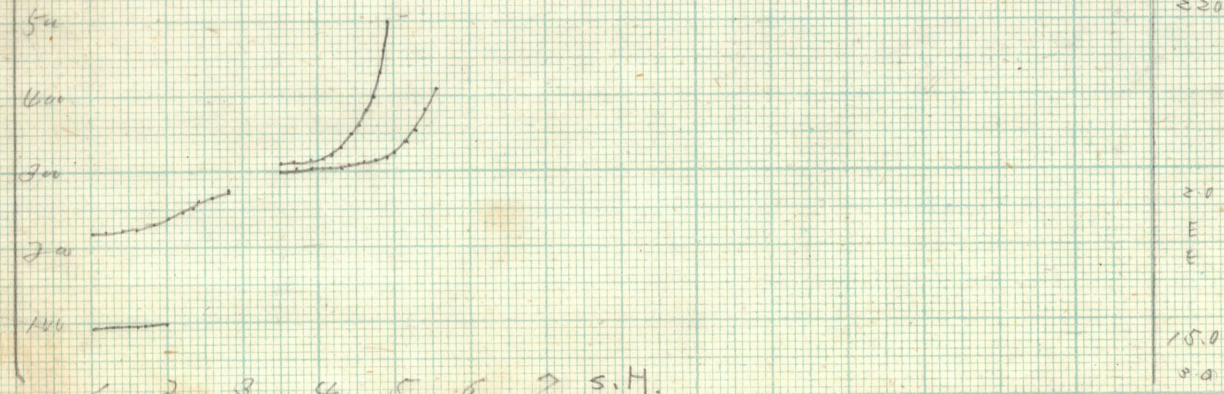
54  
310  
22  
E  
E  
16.8  
21

21.50 ~ 22.00



51  
220  
20  
18  
11  
16.3  
22

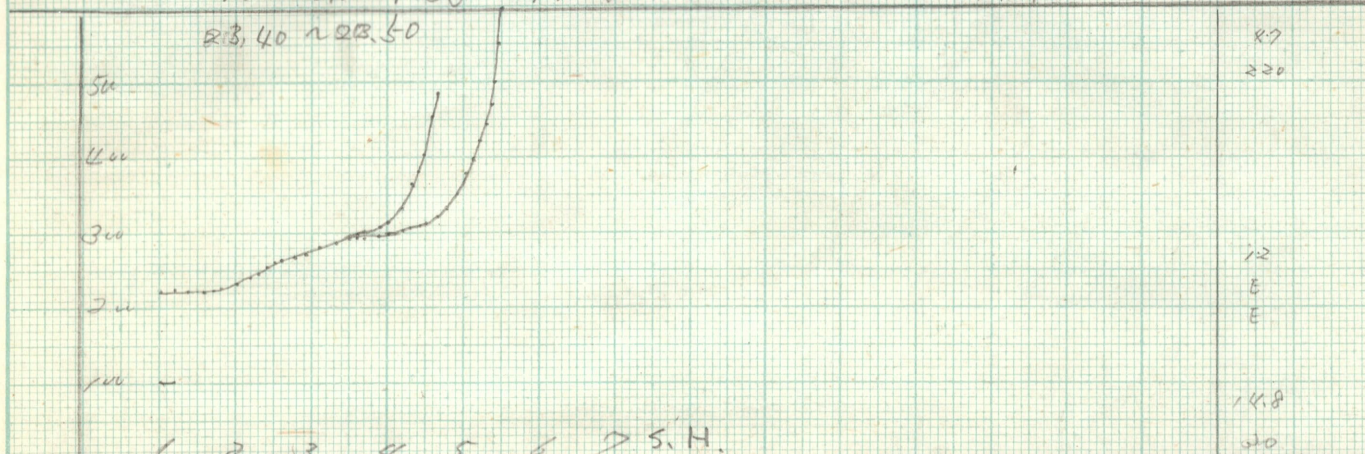
22.50 ~ 22.58



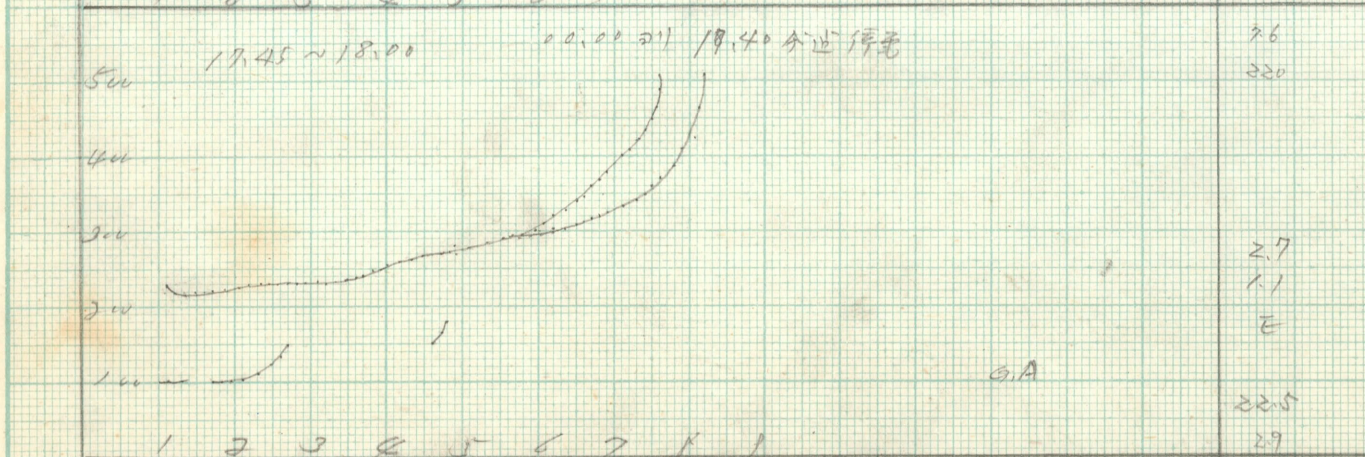
59  
220  
E  
E  
15.0  
5.0

20th Feb 1948

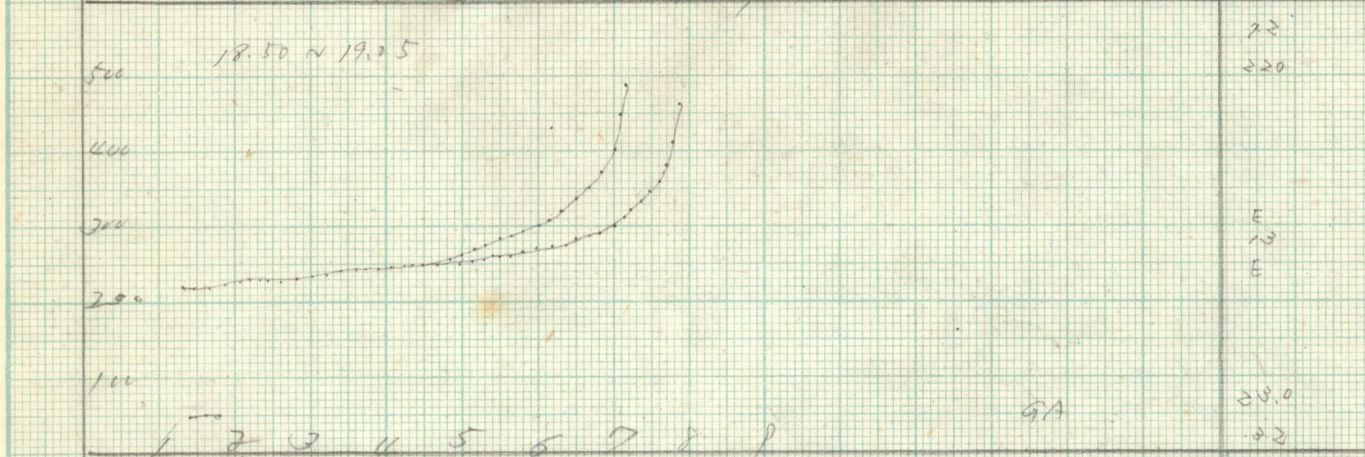
WAKKANAI No 5137



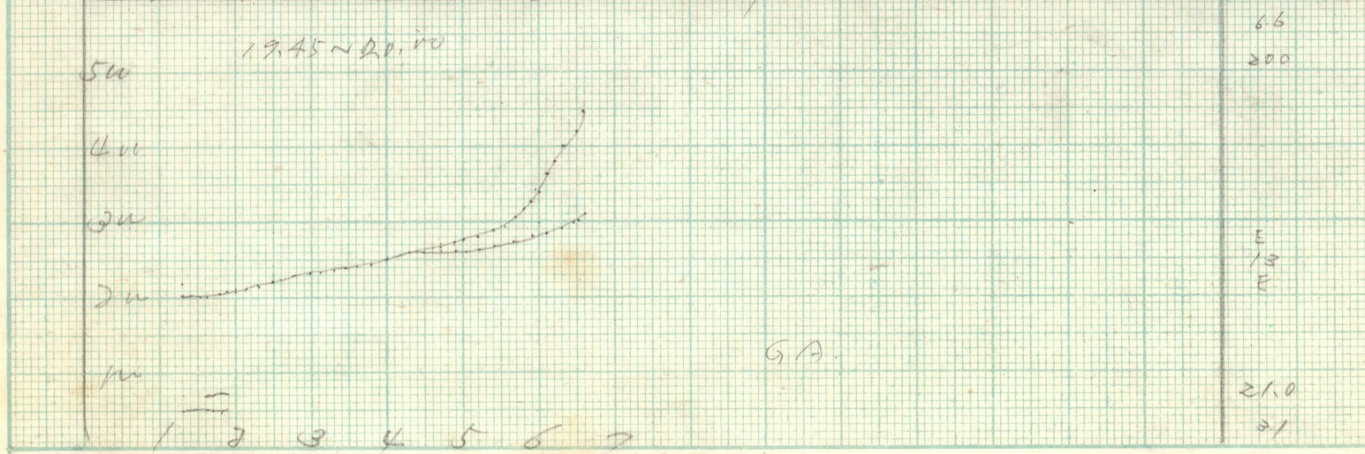
2.7  
1.1  
E  
E  
E  
14.8  
20



2.7  
1.1  
E  
GA  
22.5  
29



2.7  
1.1  
E  
E  
E  
28.0  
23



6.6  
200  
E  
E  
E  
21.0  
21

20th Feb 1948

Wakkanai No. 5138

500

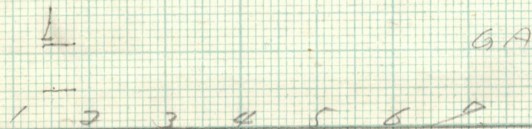
20.45 N 21.00

400

300

200

100



60

300

18

17

14

19.0

32

500

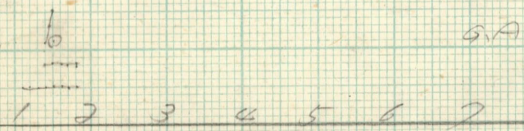
21.45 N 22.00

400

300

200

100



58

210

18

14

14

19.0

32

500

22.45 N 23.00

400

300

200

100



F

270F

16

E

10

F

500

400

300

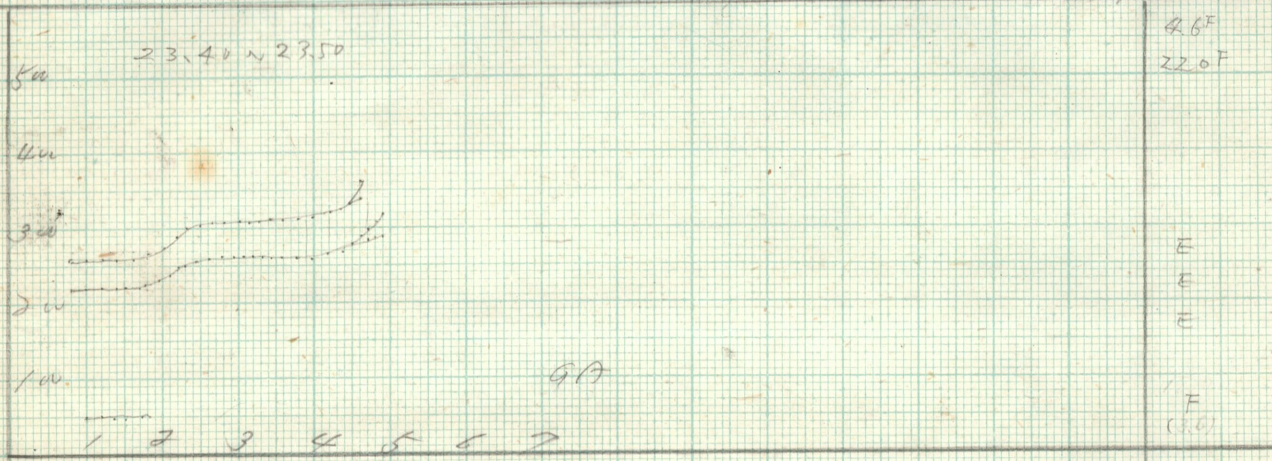
200

100

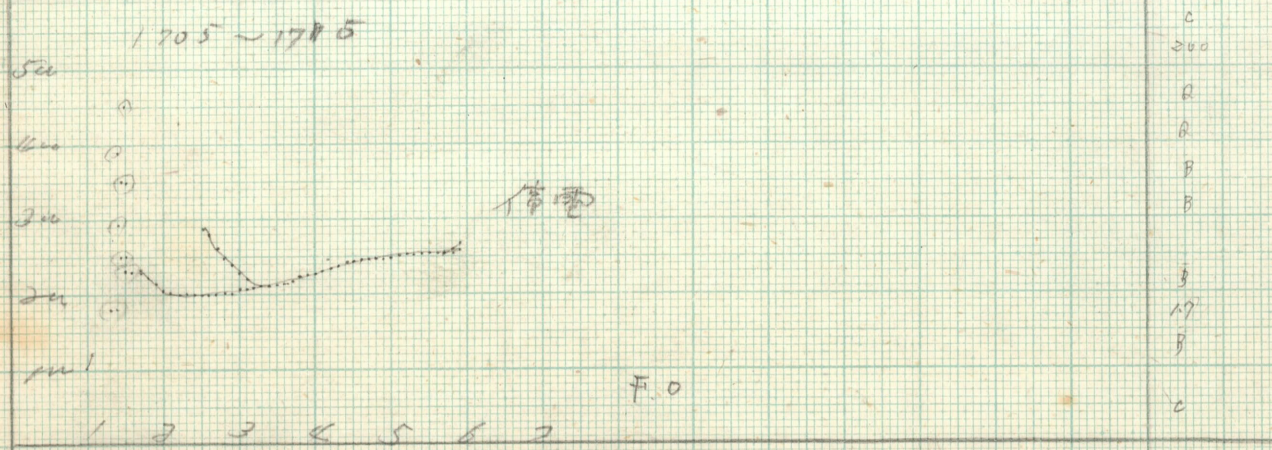


21th Feb 1948

Wakkanai No 5139



46°F  
22.0°F  
E  
E  
E  
F  
(1.0)



0  
200  
B  
B  
B  
B  
B  
17  
B  
0

21日 17 15 分 到 22日 17 30 分 前  
吹雪 17 分 停電 欠測 不

500  
400  
300  
200  
100

1 2 3 4 5 6 7

500  
400  
300  
200  
100

1 2 3 4 5 6 7



22th Feb 1948

Wahbanai NO 5140

500

400

300

200

100

1 2 3 4 5 6 7

1950 ~ 停電

21日 1715 } 停電  
22日 1730 } (22日 14時)

A.M.

0  
220  
0  
27  
13

500

400

300

200

100

1 2 3 4 5 6 7

1852 ~ 1904

A.M.

70  
280  
5.1  
A  
13

500

400

300

200

100

1 2 3 4 5 6 7

1950 ~ 2000

58  
300

A.M.

E  
1.3  
E

166  
28

500

400

300

200

100

1 2 3 4 5 6 7

2100 ~ 2200

A.M.

19.6  
28  
4.9  
300

500

400

300

200

100

1 2 3 4 5 6 7

2050 ~ 2057

59  
300

A.M.

E  
1.1  
E

143  
27

500

400

300

200

100

1 2 3 4 5 6 7

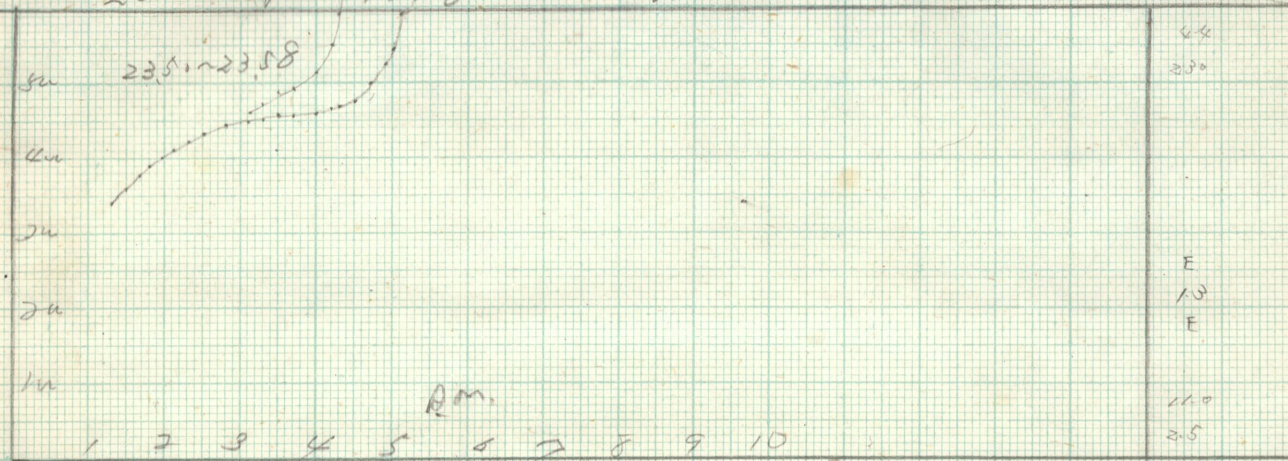
2250 ~ 2300

A.M.

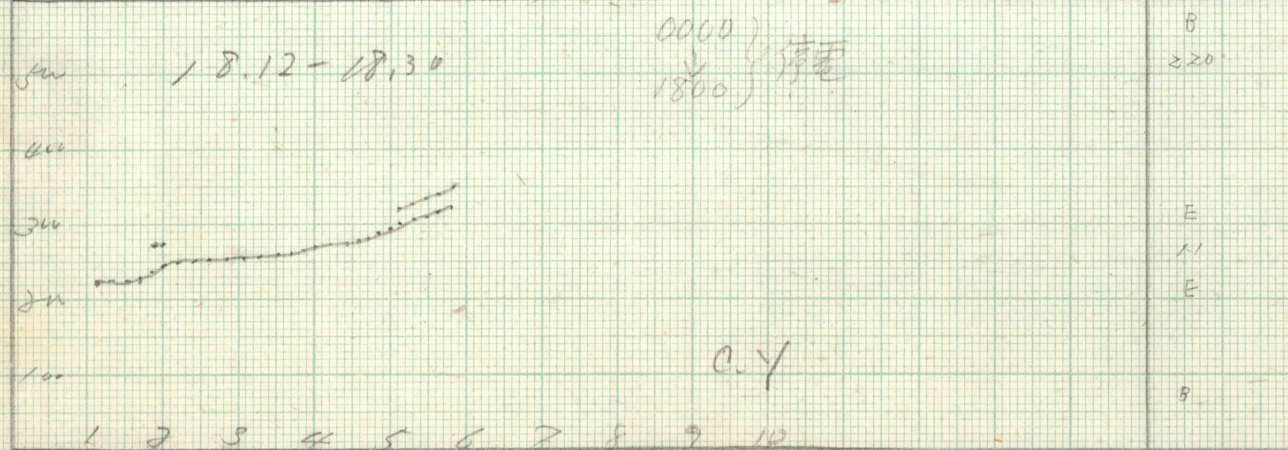
7.8  
380  
E  
1.3  
E  
11.2  
20

23th feb 1948

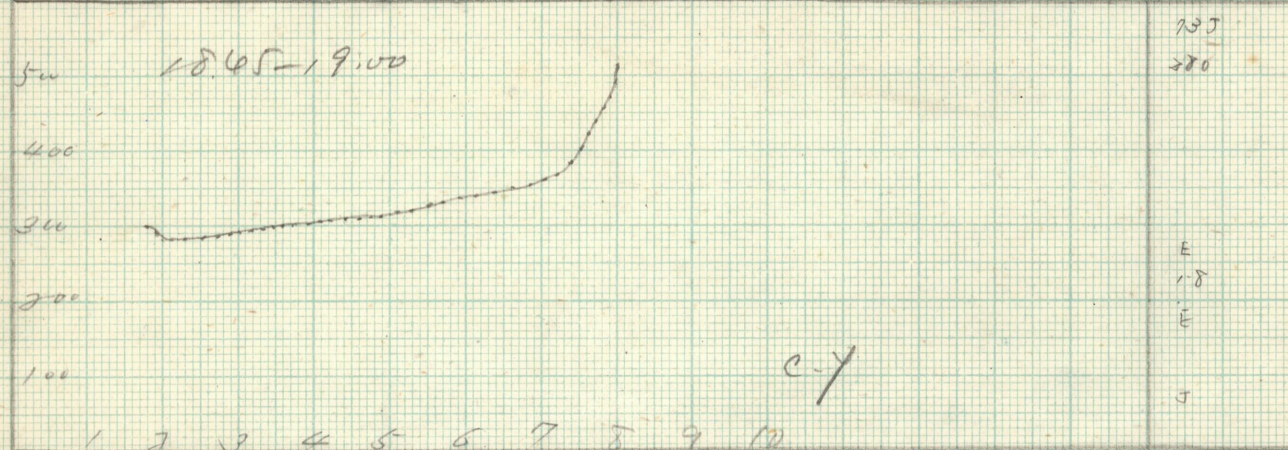
Wakkanai No 5141



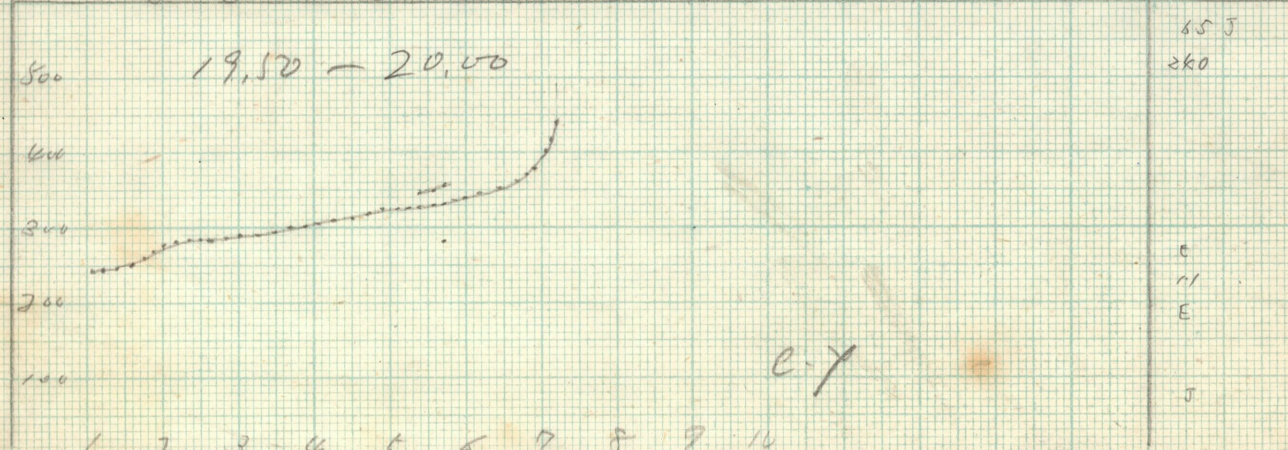
44  
330  
E  
10  
E  
110  
25



B  
220  
E  
11  
E  
9



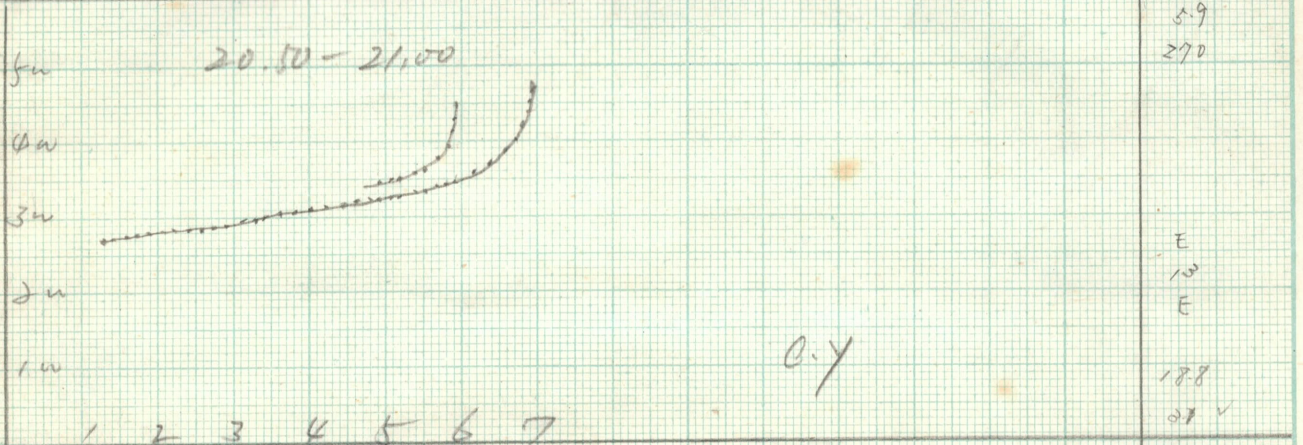
255  
280  
E  
18  
E  
5



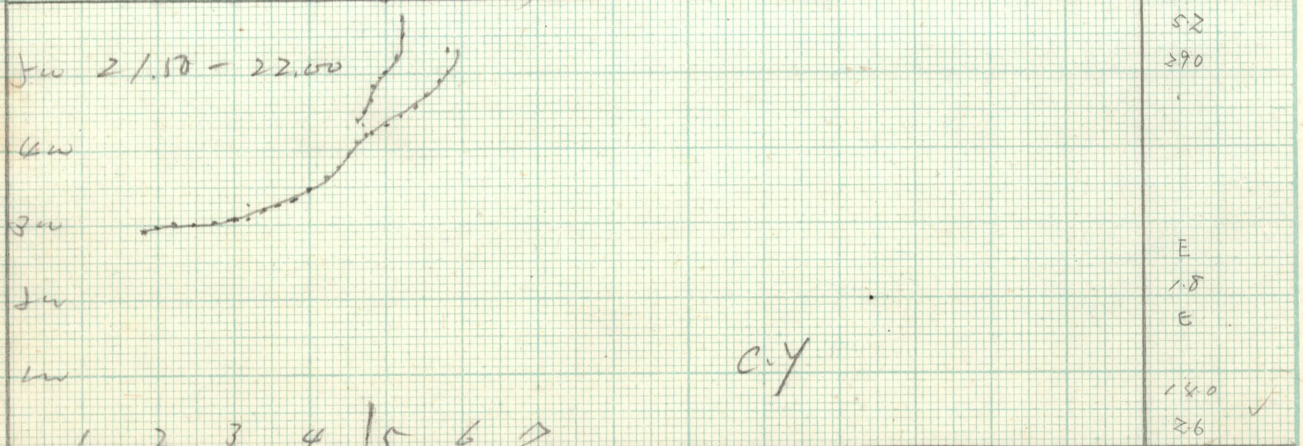
255  
260  
E  
11  
E  
5

23. Feb. 1948

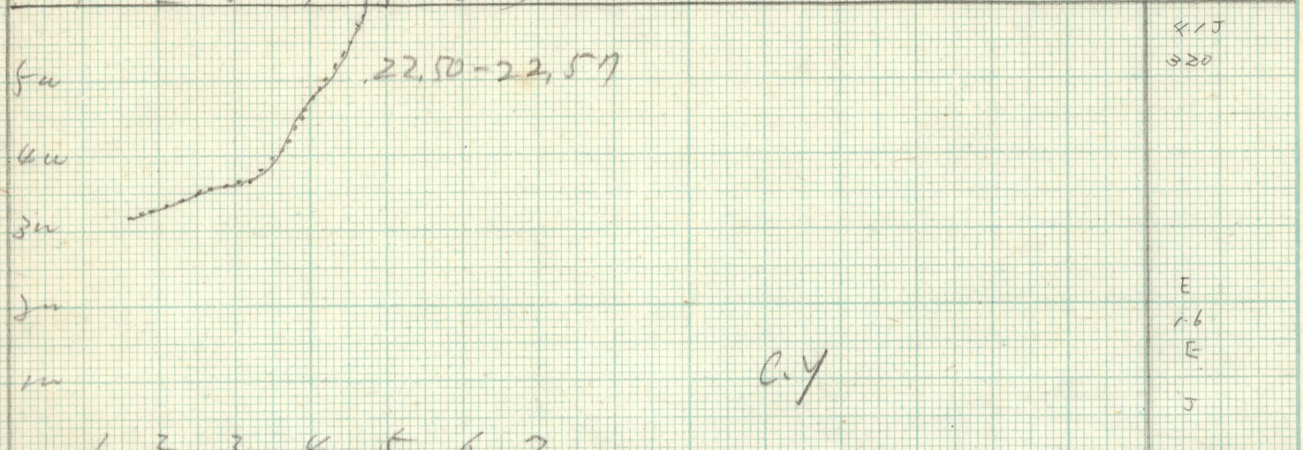
WAKKANAI NO-5142



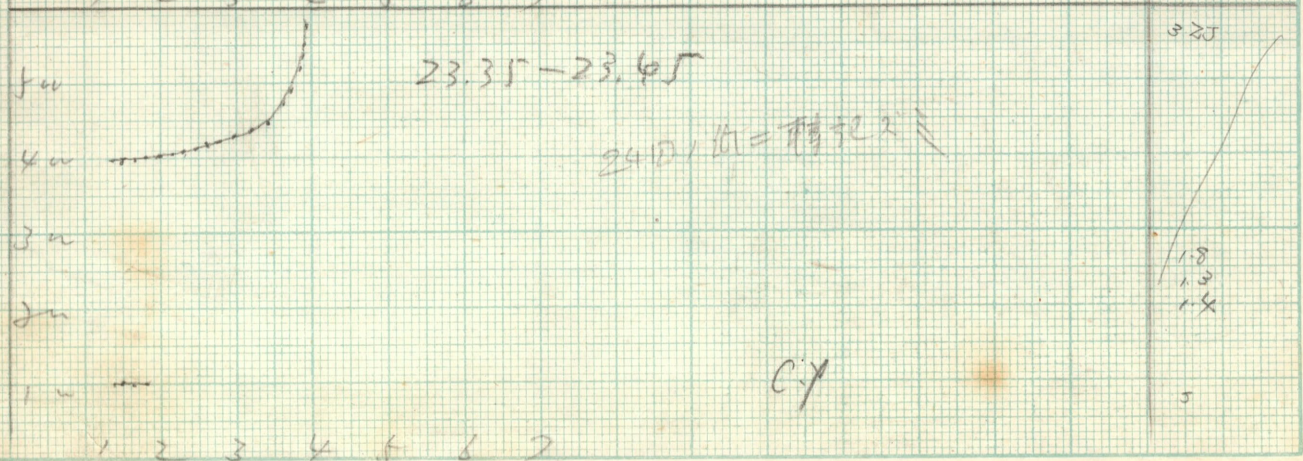
5.9  
270  
E  
1.0  
E  
18.8  
28 ✓



5.2  
290  
E  
1.8  
E  
14.0  
26 ✓



4.15  
220  
E  
1.6  
E  
J

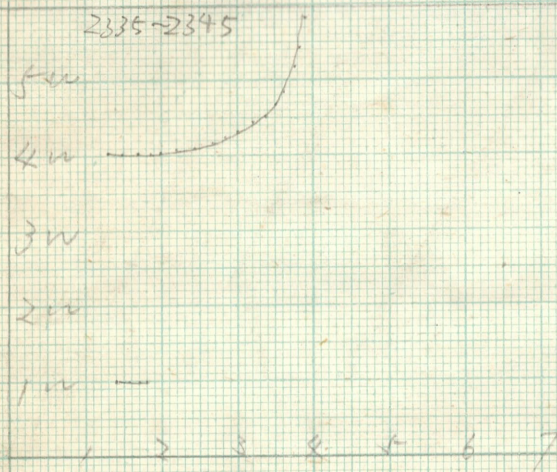


3.25  
1.8  
1.3  
1.4  
5

24th Feb 1998

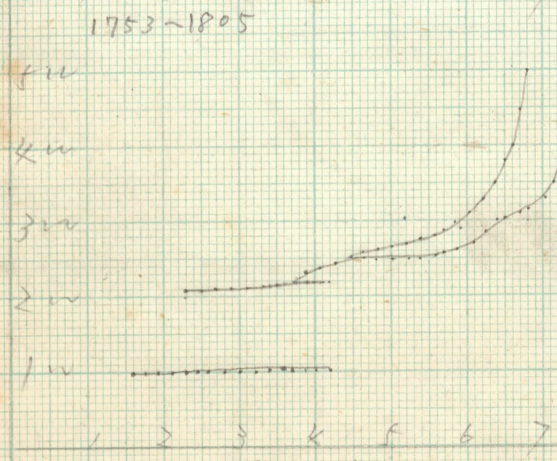
WAKKANAI

No ~ 5143



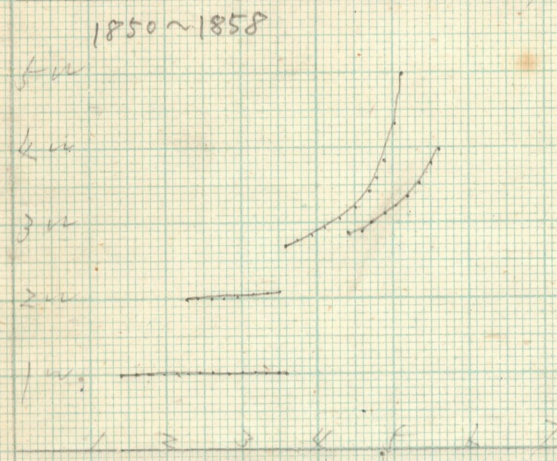
225  
800  
1.8  
1.3  
1.4

0.4



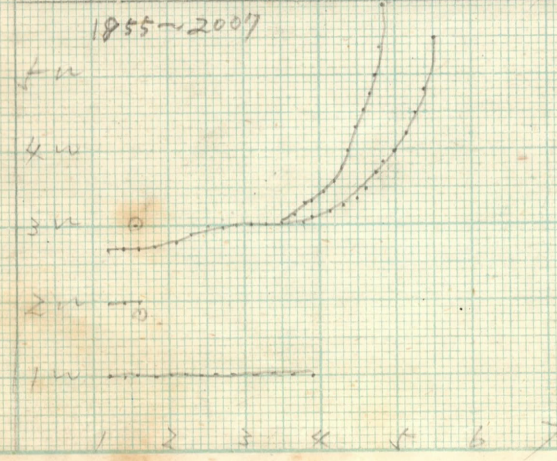
0000 停電  
1750

68  
A  
4.2  
A  
1.6



T.O

220  
32  
5.1  
A



T.O

160  
3.1  
4.8  
270

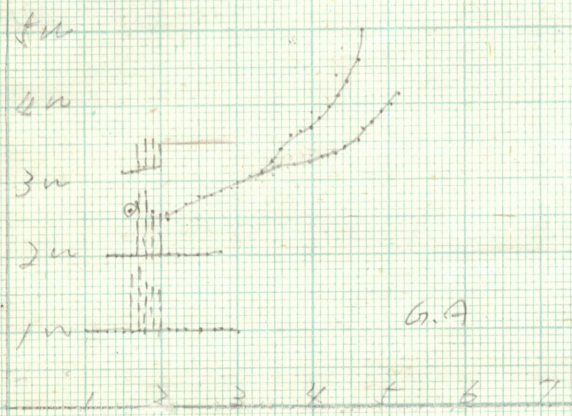
To

3.9  
1.2  
1.2  
14.1  
2.9

24th Feb 1948

Wakkanai No. 5144

20.50 ~ 21.03

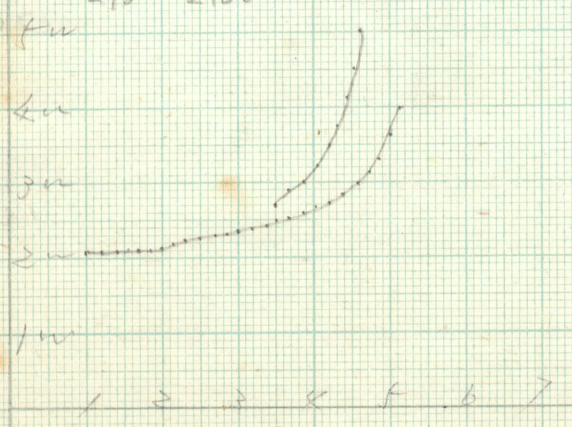


47  
AF

20F  
A  
E

128  
29

21.50 ~ 21.58

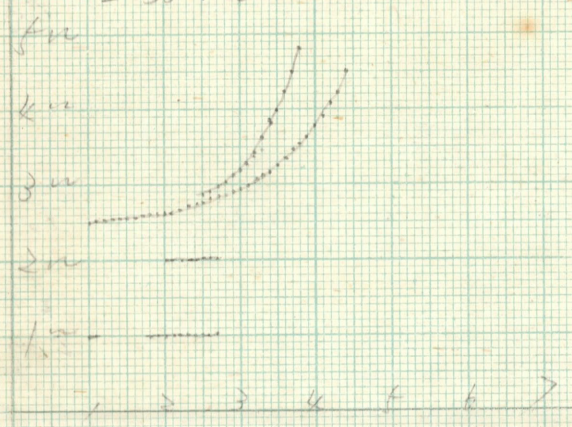


46  
210

E  
E  
E

147  
21

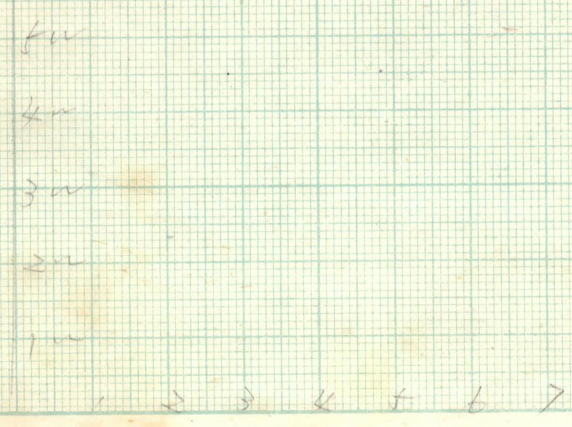
22.55 ~ 23.05



28  
250

28  
E  
E

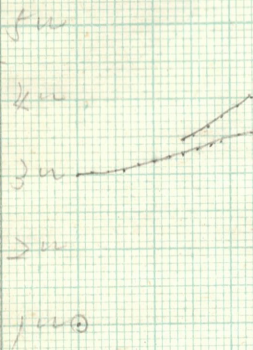
111  
29



25 Feb 1948

Wakkanai No 5145

2345 ~ 2353

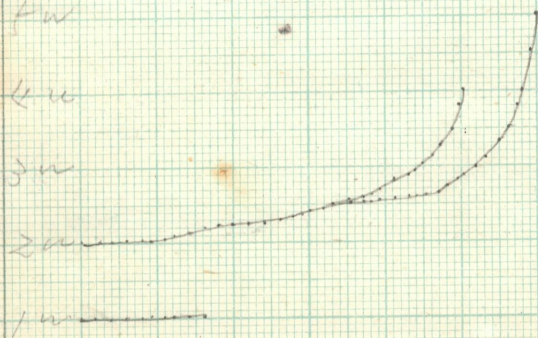


2353 停電  
 ↓  
 17.20  
 17.30  
 ↓  
 送信機  
 修理

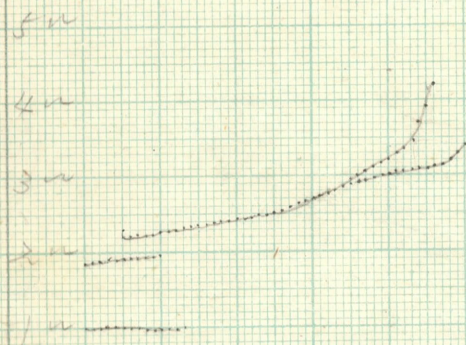
T.O

200  
 E  
 E  
 E  
 0

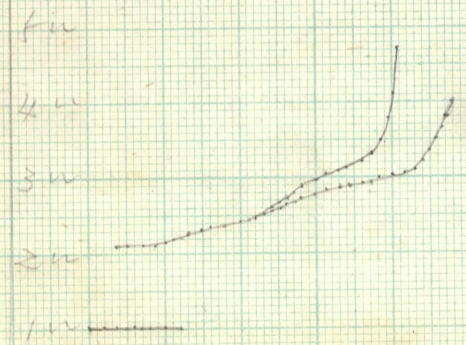
1 2 3 4 5 6 7 T.O  
 18.10 ~ 19.00



1 2 3 4 5 6 7 S.H.  
 19.50 ~ 20.00



1 2 3 4 5 6 7 F.D.  
 20.50 ~ 21.00



1 2 3 4 5 6 7 S.H.

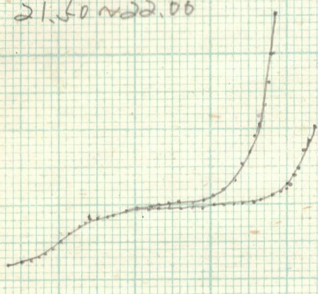
50  
 200  
 26  
 E  
 E  
 20.2  
 2.4  
 5.6  
 220  
 23  
 1.5  
 E  
 18.1  
 22  
 5.1  
 210  
 22  
 1.3  
 E  
 16.7  
 22

24th Feb 1948

Wakkanai 200, 146

21.50 ~ 22.00

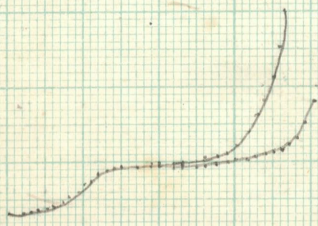
5u  
4u  
3u  
2u  
1u



1 2 3 4 5 6 7 S.H.

22.50 ~ 23.01

5u  
4u  
3u  
2u  
1u



1 2 3 4 5 6 7 S.H.

5u  
4u  
3u  
2u  
1u

1 2 3 4 5 6 7

5u  
4u  
3u  
2u  
1u

1 2 3 4 5 6 7

49  
220

21  
13  
E

15.1  
20

47  
220

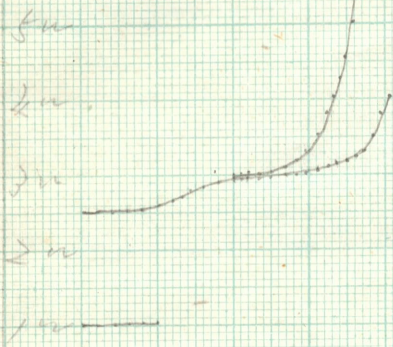
22  
E  
E

14.8  
31

26th Feb, 1948

Wakkanai No. 1147

23.40 ~ 23.50

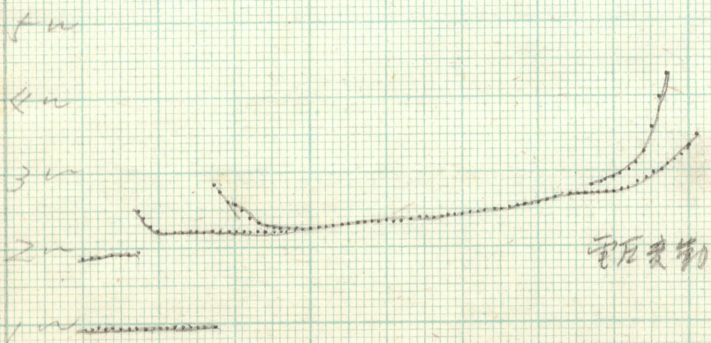


47  
257  
  
20  
E  
E  
14.1

1 2 3 4 5 6 > S.H.

1707 ~ 1720

1700 ~ 1700 停電

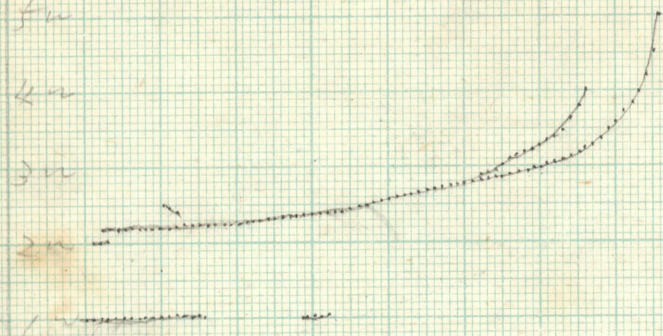


電圧変動

27  
226  
Q  
Q  
A  
A  
27  
17  
E  
20.0

1 2 3 4 5 6 7 8 9 10

1748 ~ 1800

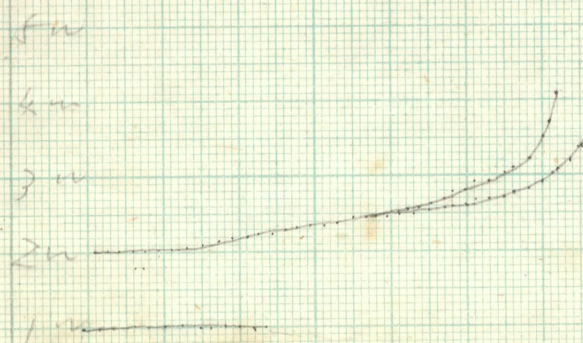


F.O.

58  
77  
220  
  
62  
62  
E

1 2 3 4 5 6 7 8 9 10

18.50 ~ 19.03



F.O.

249  
22  
72  
200  
  
23  
11  
E

1 2 3 4 5 6 7 8 9 10

GA

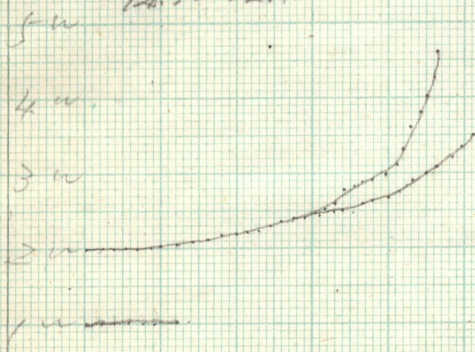
267  
24



26th Feb 1948

Wakkanai No. 3148

19.50 ~ 20.00

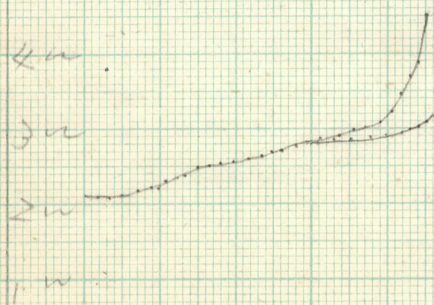


G.A

57  
300

22  
E  
E  
180

20.50 ~ 21.00

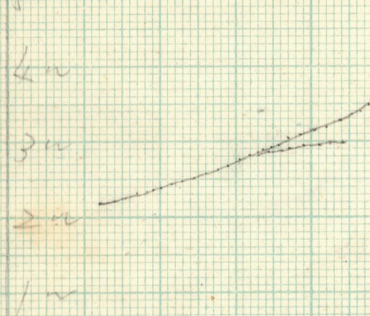


G.A

55  
310

E  
E  
E

21.50 ~ 22.05



混信  
軽音  
変化  
不明

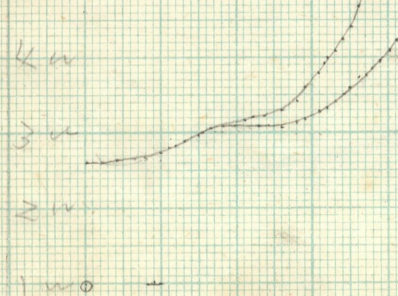
G.A

180  
22

51P  
220

E  
12  
E

22.50 ~ 23.00



G.A

163  
31

48  
260

20  
E  
E

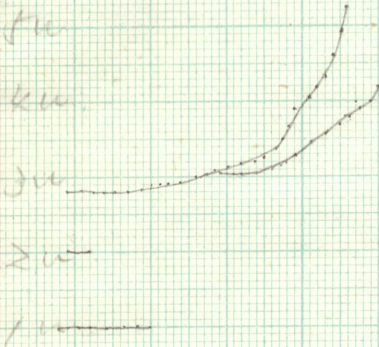
1 2 3 4 5 6 7

182  
27

27 TH FEB 1948

Wakkanai No 5/49

23.40 ~ 23.50



4.6  
3.8

2.0  
E  
E

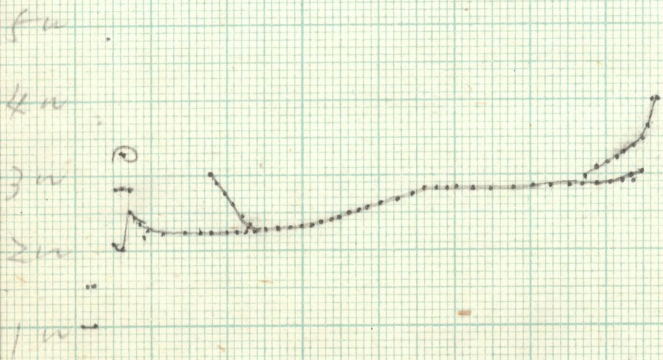
GA

12.9

72.8 ✓

17.05 ~ 17.15

0000 / 17.05  
1700 / 17.15



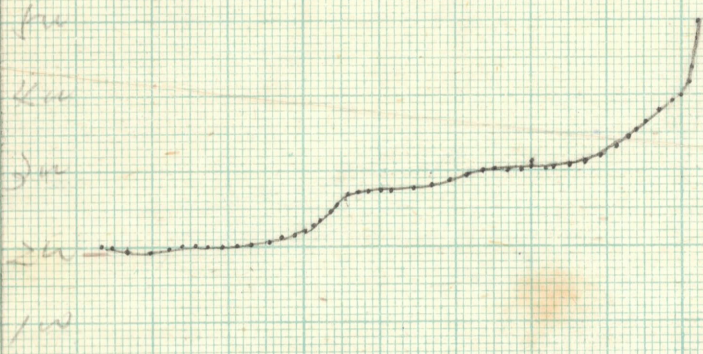
4.7  
3.3

2  
2  
1.7  
1  
1.3  
1.1  
1.1

M.H.

29.0  
2.5

17.50 ~ 18.03



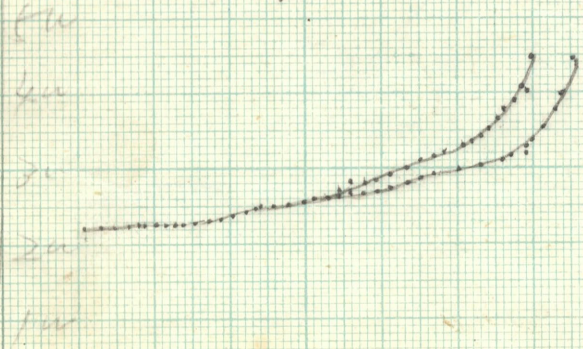
4.5  
1.3

E  
1.3  
E

M.H.

5

18.50 ~ 19.00



4.6  
3.8

E  
1.1  
E

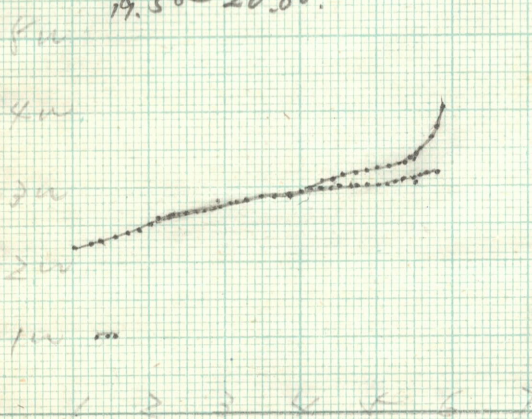
M.H.

21.6  
2.0

27th Feb 1948

Wakkeroni No 5150

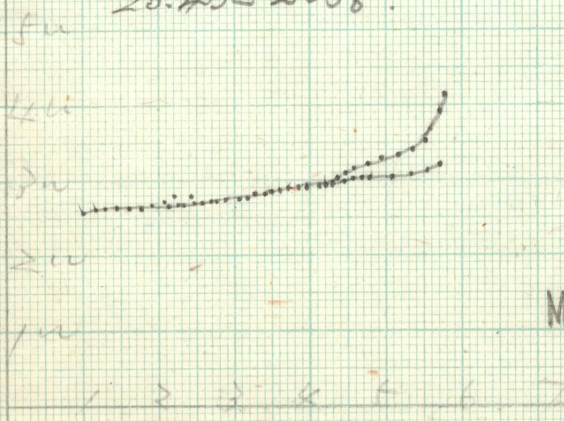
19.50 - 20.00.



59  
220  
16  
E  
13

19.0  
52  
58  
260

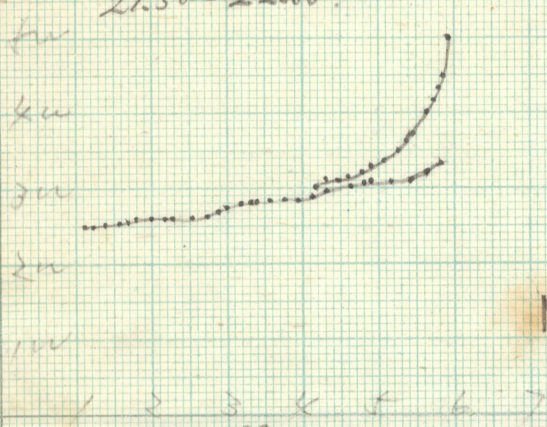
20.43 - 20.56.



E  
E  
E

18.9  
52  
59  
257

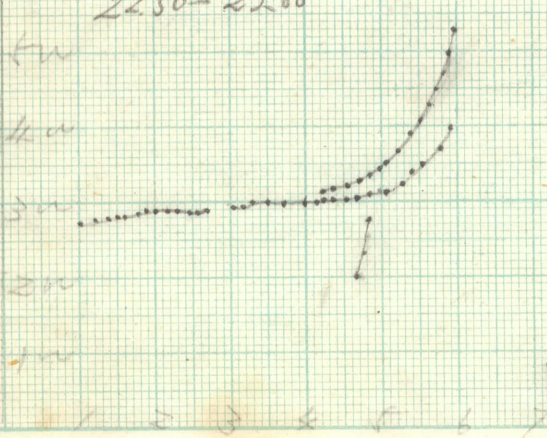
21.50 - 22.00.



E  
11  
E

17.4  
51  
6.0  
270

22.50 - 23.00

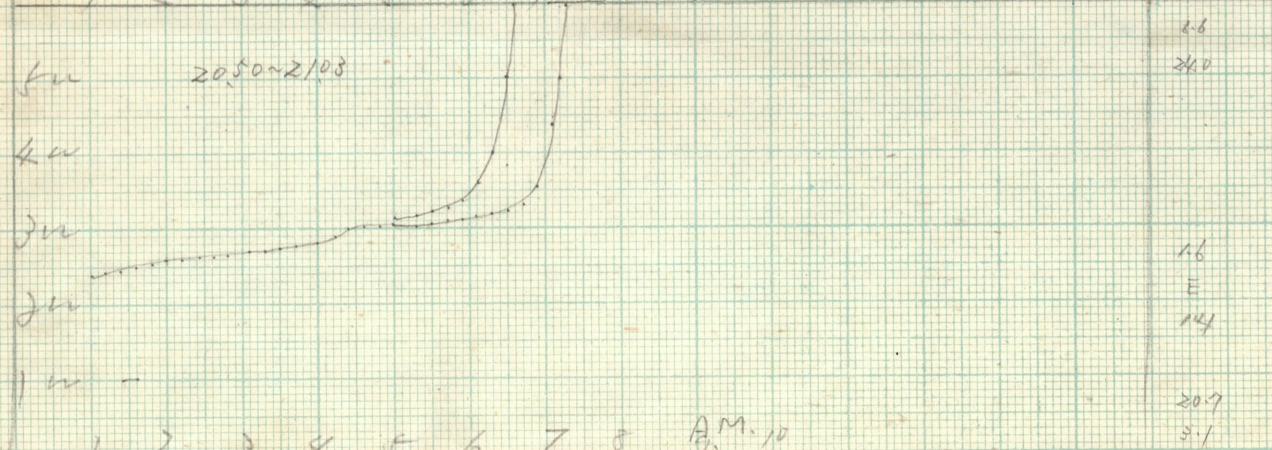
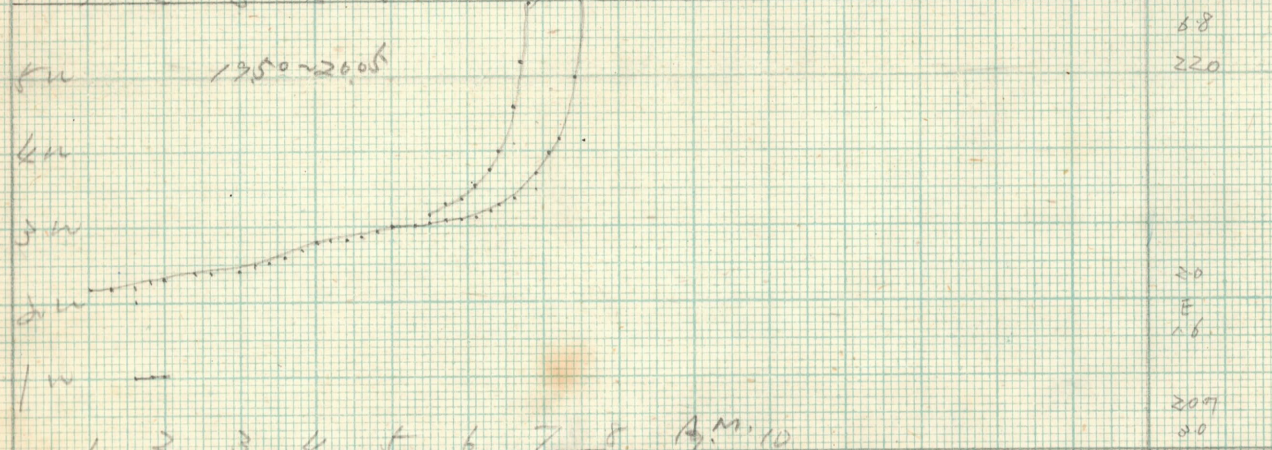
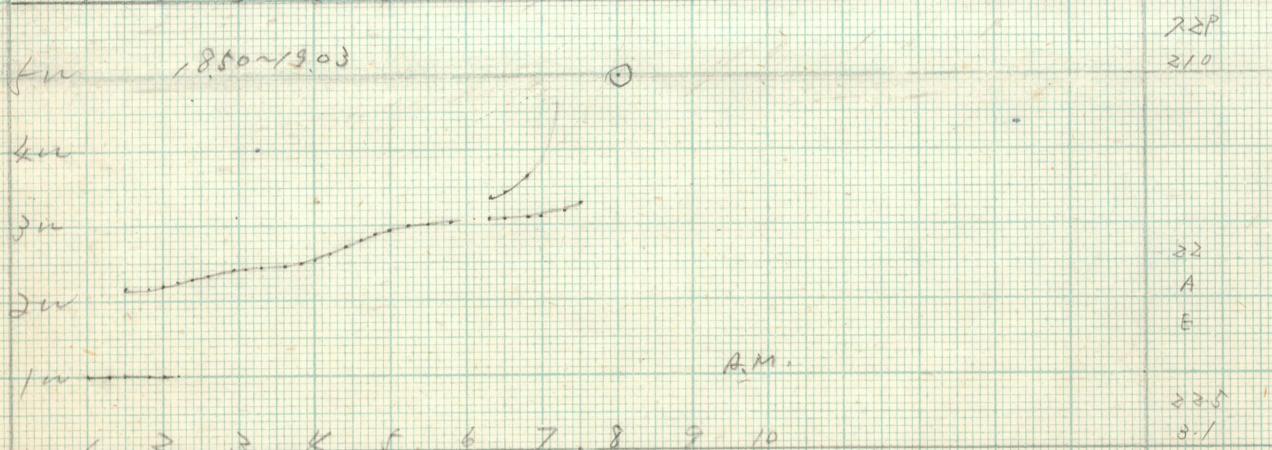
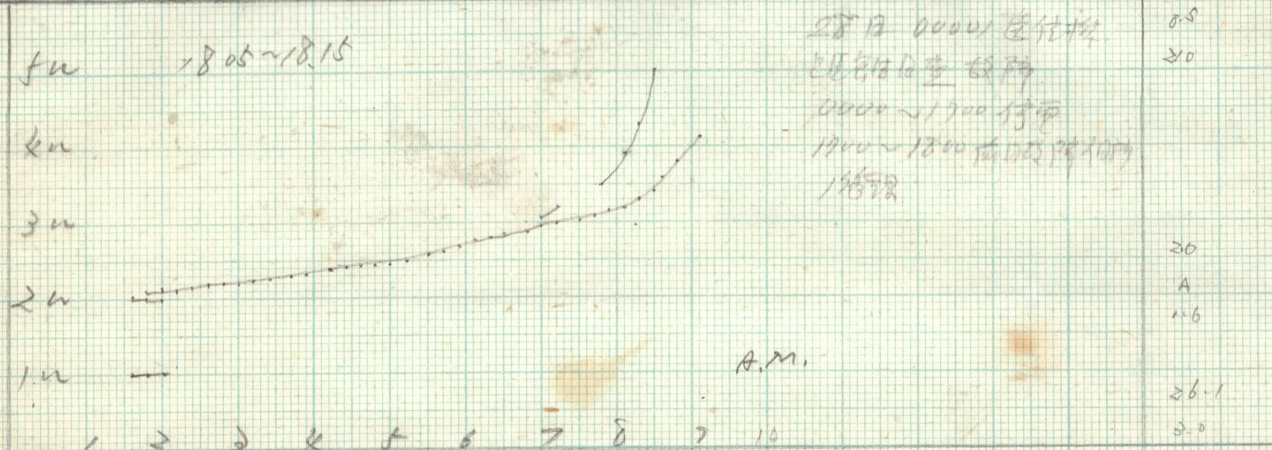


E  
E  
E

17.1  
28

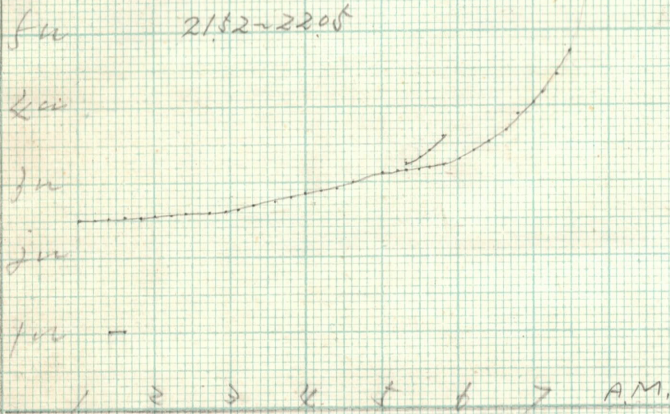
28th Feb 1948

crackman no 5751

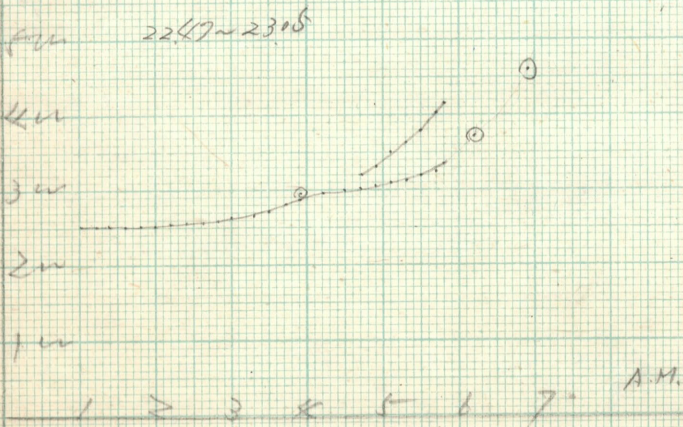


28th Feb 1948

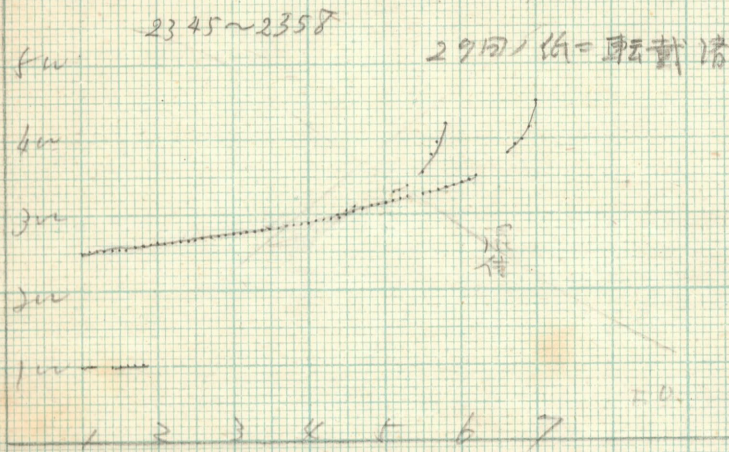
wahkawai No 5152



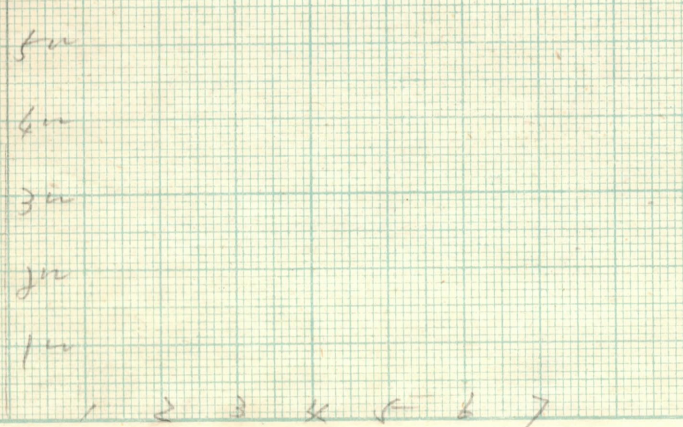
7.0 J  
250



6.0 P  
250



5.8  
250



12.5  
2.1

29 FEB 1948

WAKKANAI 445153

23.45 ~ 23.58

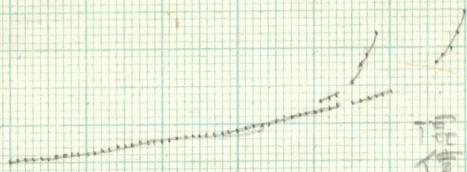
f<sub>10</sub>

f<sub>20</sub>

f<sub>30</sub>

f<sub>40</sub>

f<sub>50</sub>



58  
250

18  
E  
E

FD. 189  
2.2

1 2 3 4 5 6 7

f<sub>10</sub> 17.10-17.30

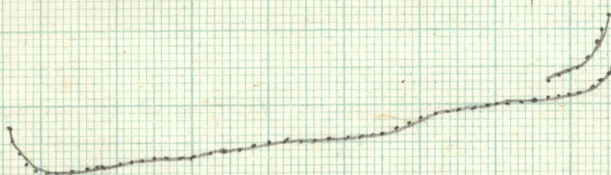
0600  
1700 1時

f<sub>20</sub>

f<sub>30</sub>

f<sub>40</sub>

f<sub>50</sub>



95  
210

E  
1.6  
E

C.Y. 30.9  
3.2

1 2 3 4 5 6 7 8 9 10

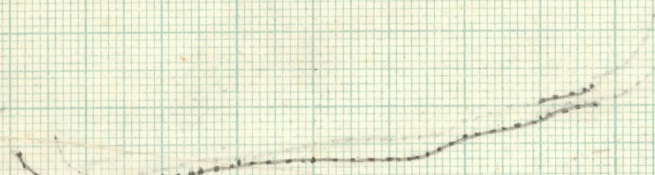
f<sub>10</sub> 17.50-18.05

f<sub>20</sub>

f<sub>30</sub>

f<sub>40</sub>

f<sub>50</sub>



S  
200

E  
1.1  
E

C.Y. S

1 2 3 4 5 6 7 8 9 10

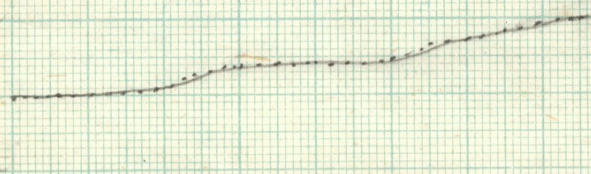
f<sub>10</sub> 18.45-19.00

f<sub>20</sub>

f<sub>30</sub>

f<sub>40</sub>

f<sub>50</sub>



S  
200

E  
E  
E

C.Y. S

1 2 3 4 5 6 7 8 9 10

29. Feb. 1948

WAKKANAI NO 5154

f<sub>u</sub> 19.48-19.57

k<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7 8 9

c.y

7.0  
31.0

E  
1.5  
E

32.0  
31  
5.0  
21.0

f<sub>u</sub> 20.47-20.56

k<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7

c.y

E  
1.3  
E

17.0  
3.2  
5.2  
33.0

f<sub>u</sub> 21.48-21.57

k<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7

c.y

E  
1.4  
E

15.8  
3.0  
5.2  
33.0

f<sub>u</sub> 22.45-22.55

k<sub>u</sub>

3<sub>u</sub>

2<sub>u</sub>

1<sub>u</sub>

1 2 3 4 5 6 7

c.y

E  
1.3  
E

15.8  
3.0