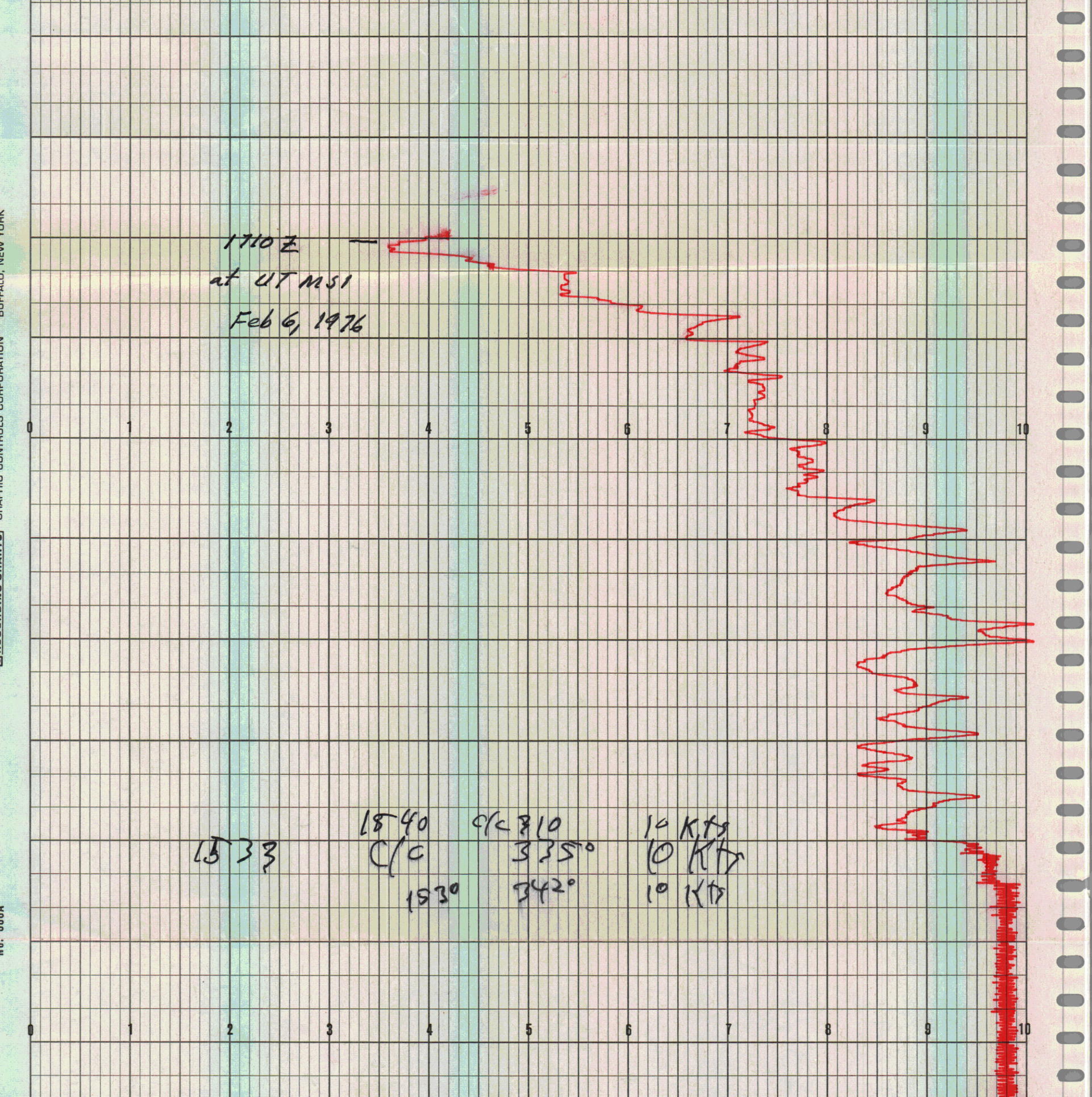

1710 Z
at UTMSI
Feb 6, 1976
0
1
2
3
4
5
6
7
8
9
10
1533
1540
C/C
1930
C/C 810
335°
342°
10 KTS
10 KTS
10 KTS

1500 342° 10 KTS.

1430 342 10Kts

c/c 1408 342° 10 KTS.

1400 345° 10 Kts.

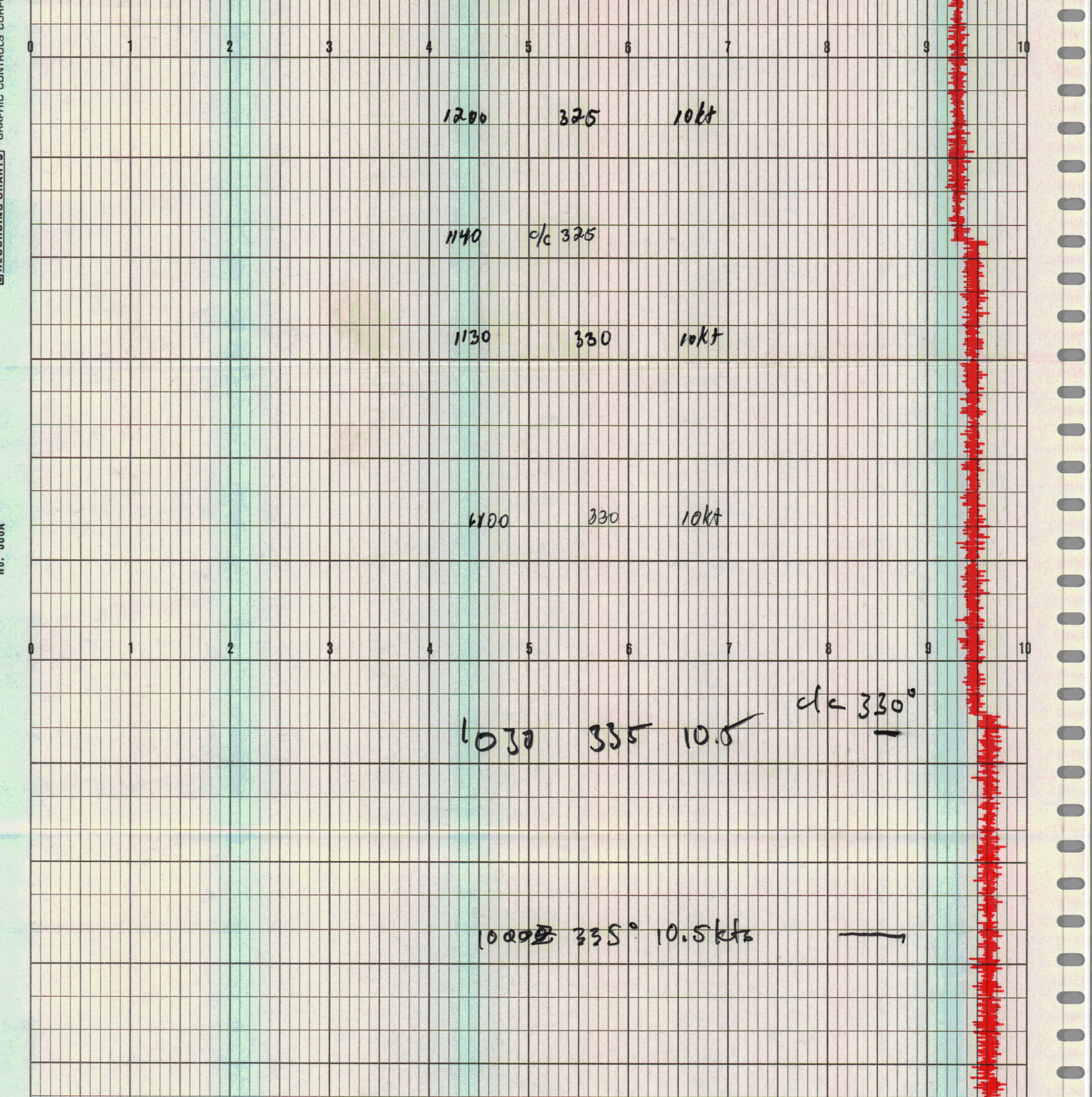
0 1 2 3 4 5 6 7 8 9 10

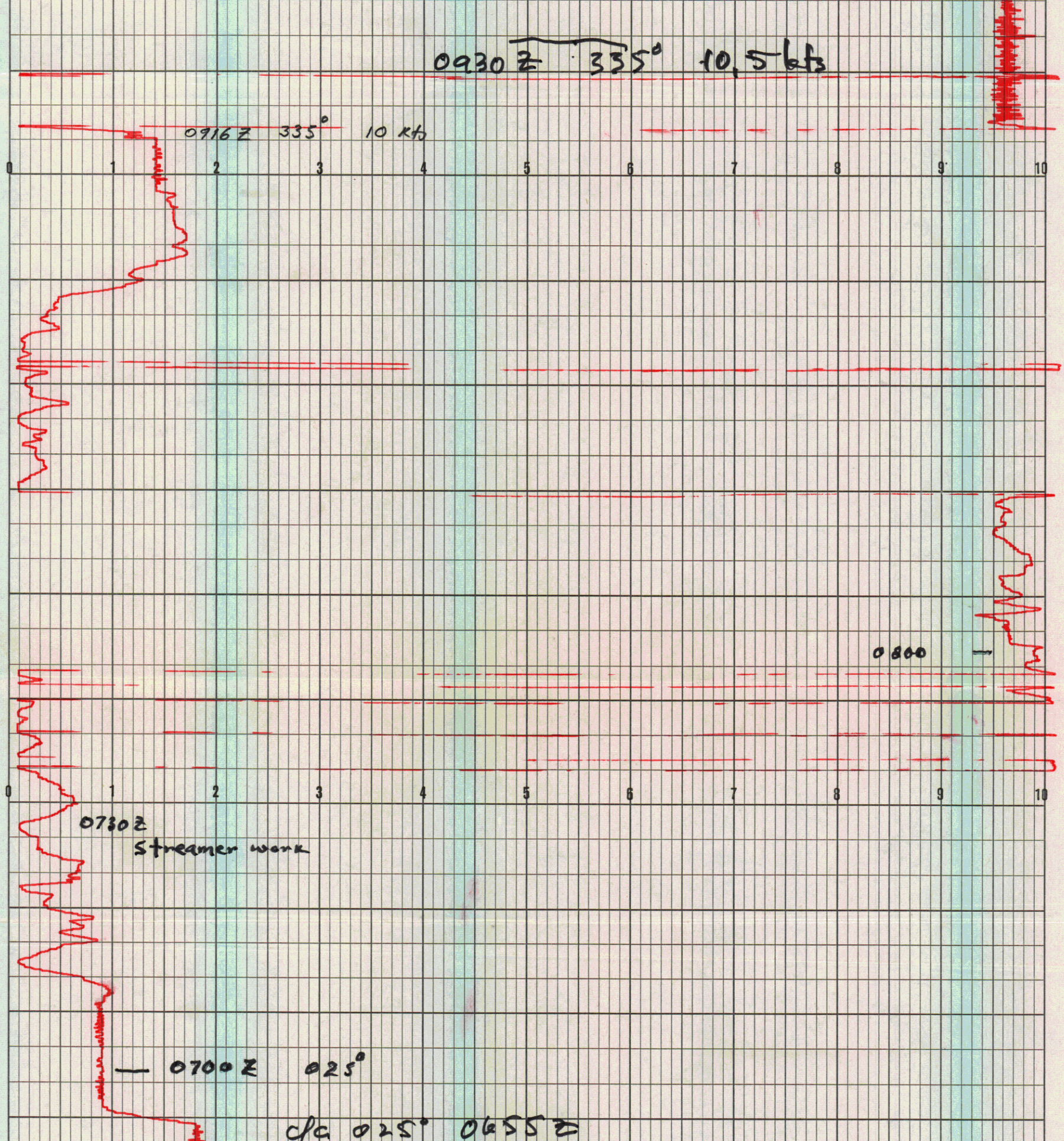
1230 345 10kt

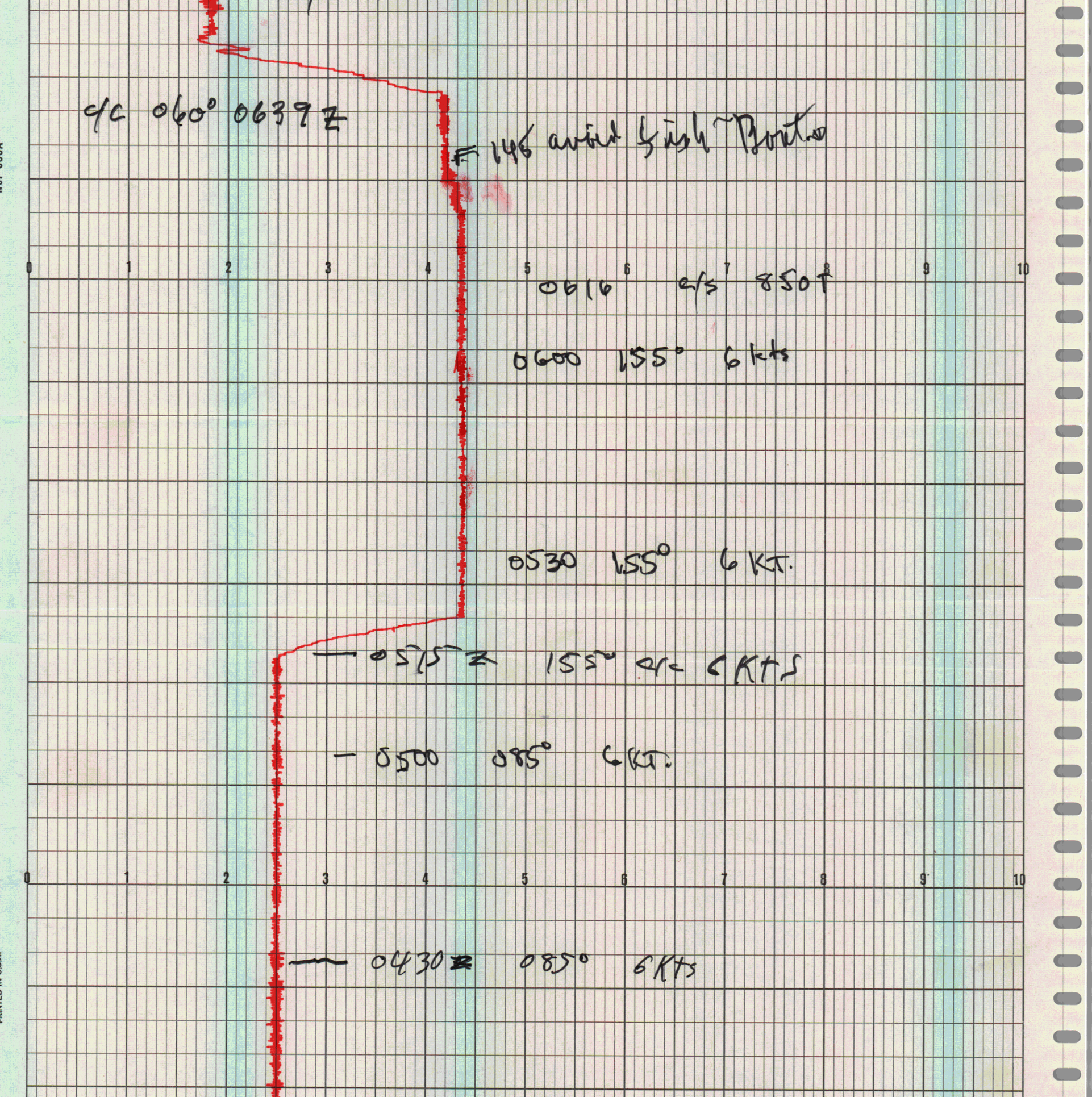
1200 345 10kt

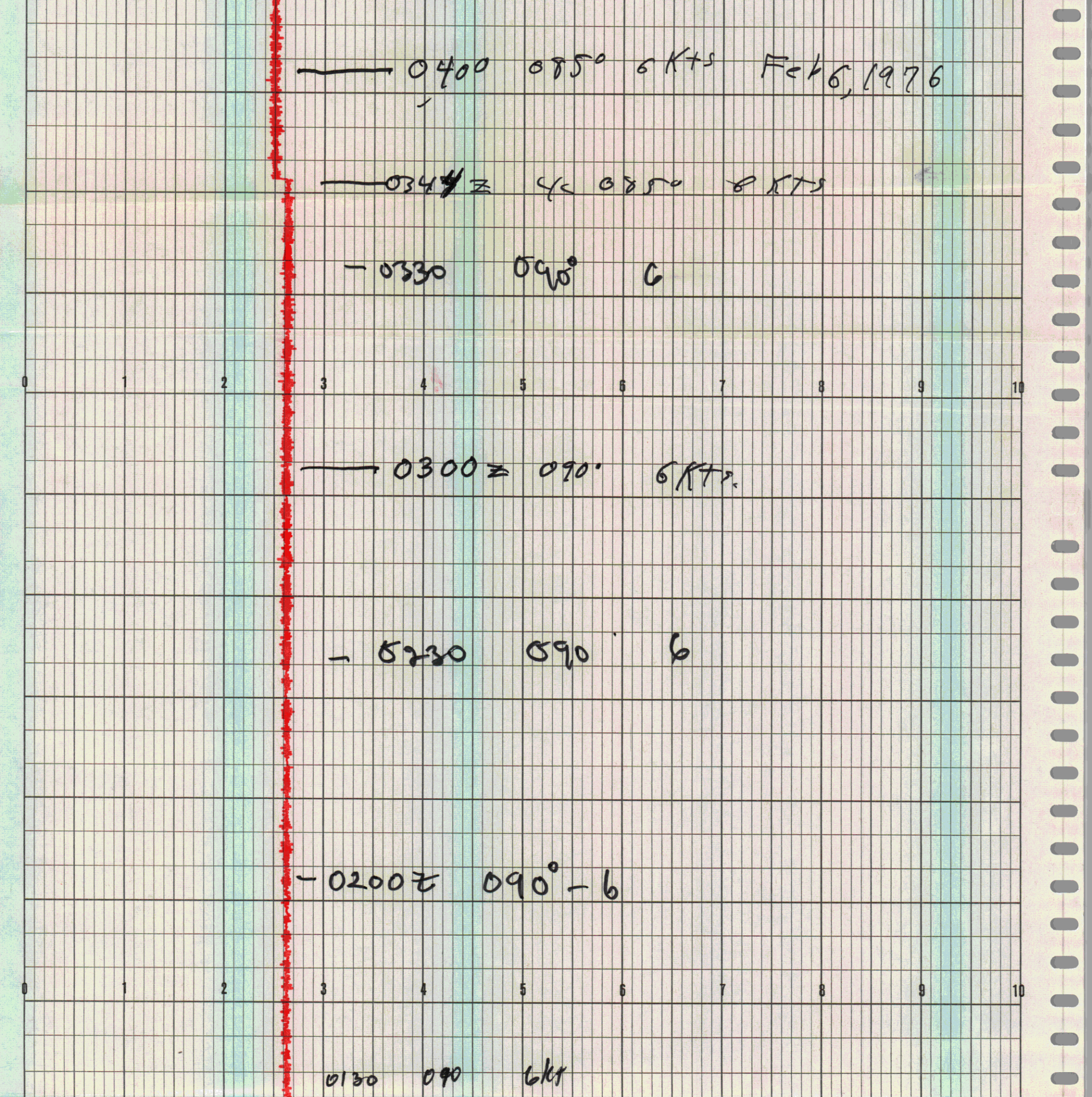
1230 c/c 345 10kts

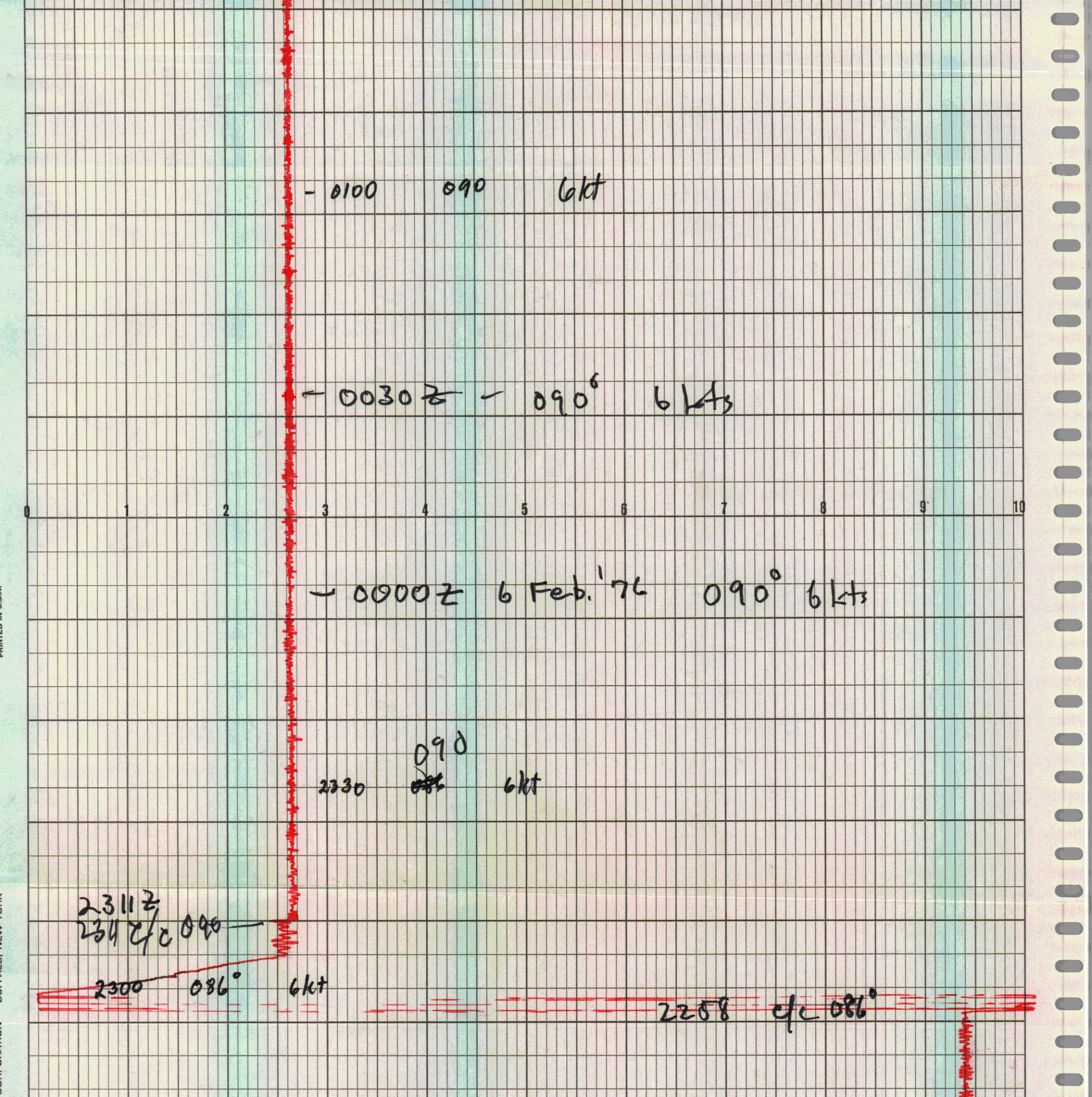
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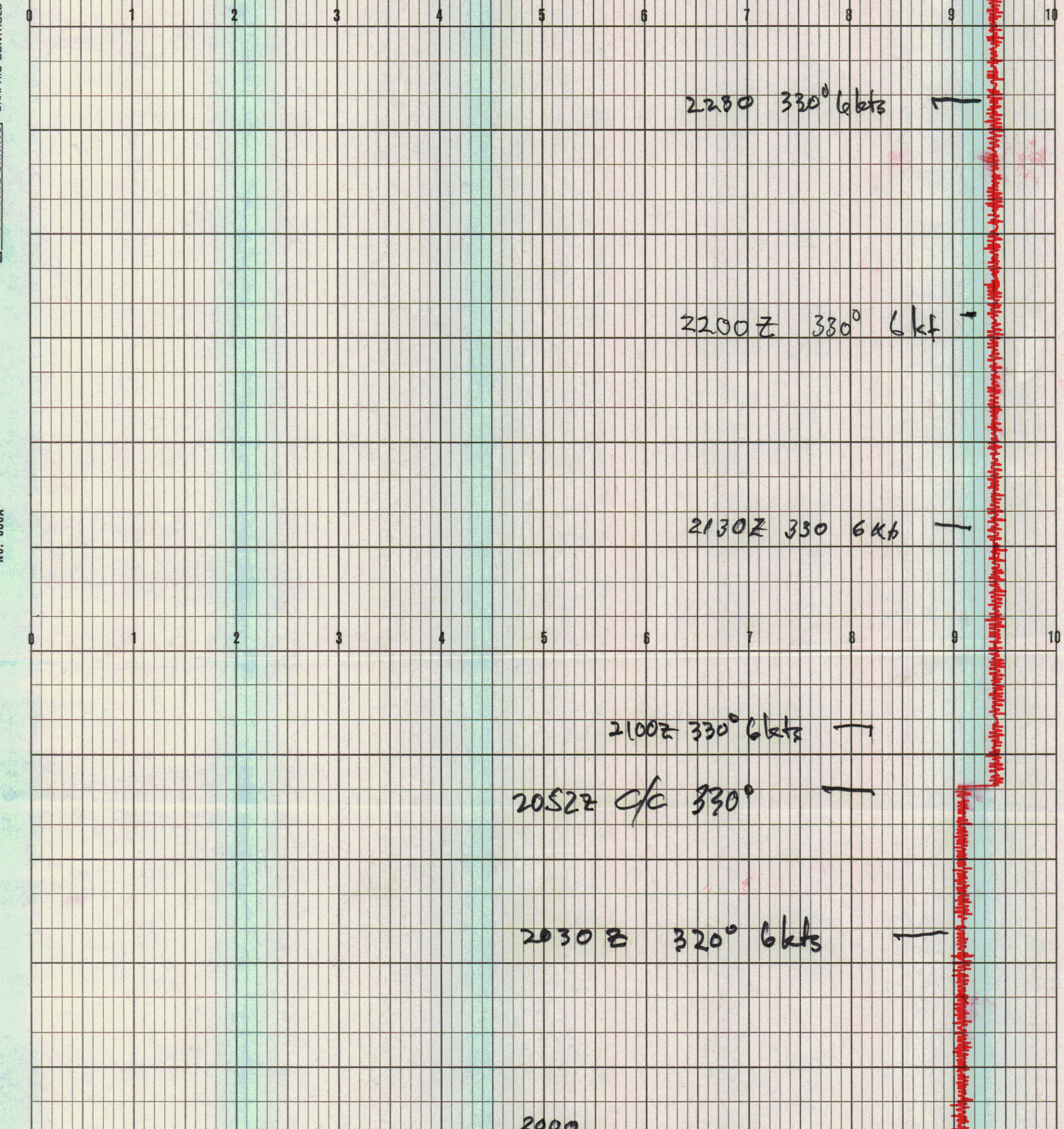

0 1 2 3 4 5 6 7 8 9 10
1200 325 10kt
1140 c/c 325
1130 330 10kt
1100 330 10kt
0 1 2 3 4 5 6 7 8 9 10
1030 335 10.5
c/c 330°
1000 335° 10.5kts

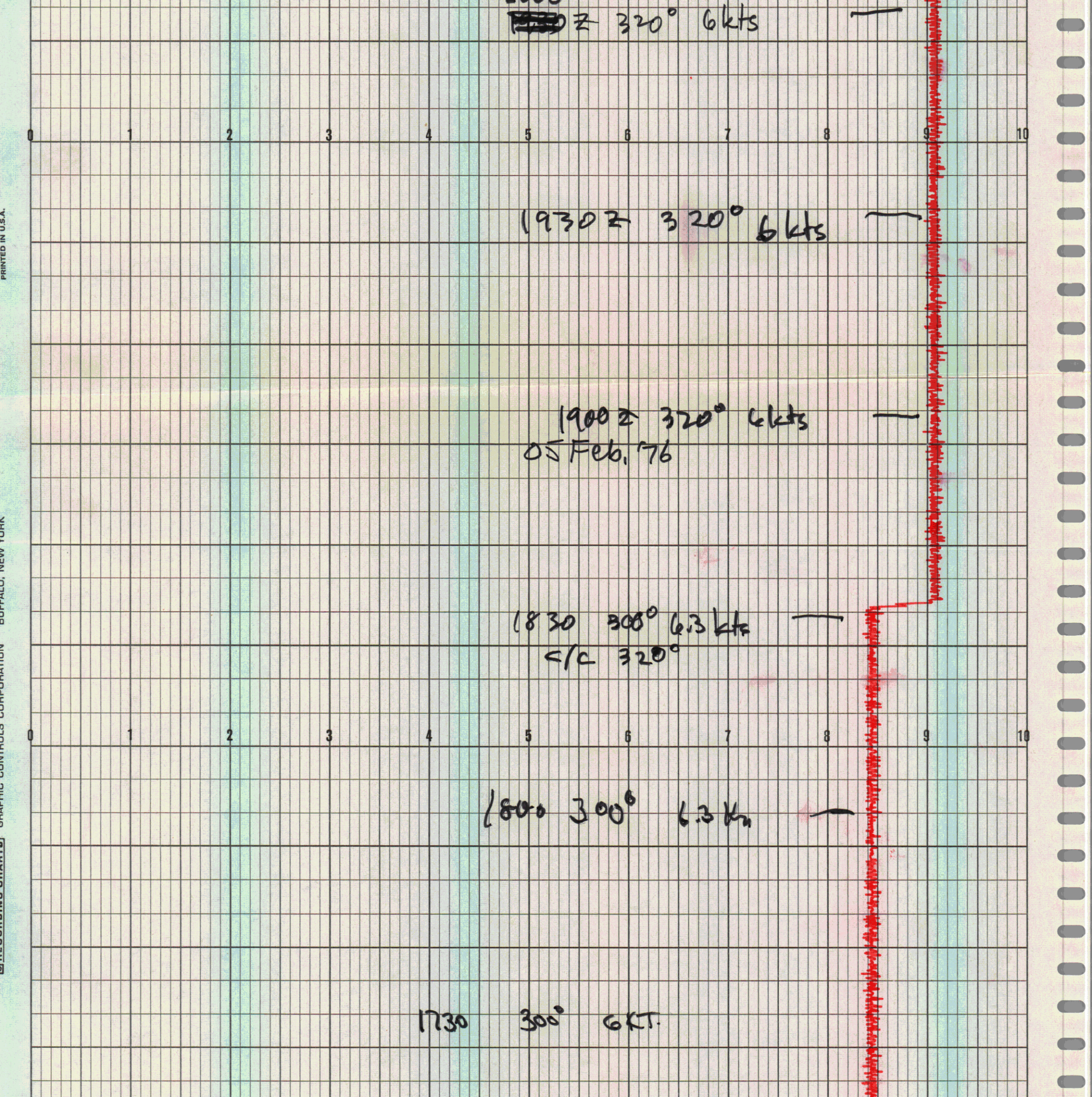

0930 Z 335° 10.5 kts
0916 Z 335° 10 kts
0 1 2 3 4 5 6 7 8 9 10
0800
0 1 2 3 4 5 6 7 8 9 10
0730 Z
Streamer work
0700 Z 025°
clr 025° 0655 Z

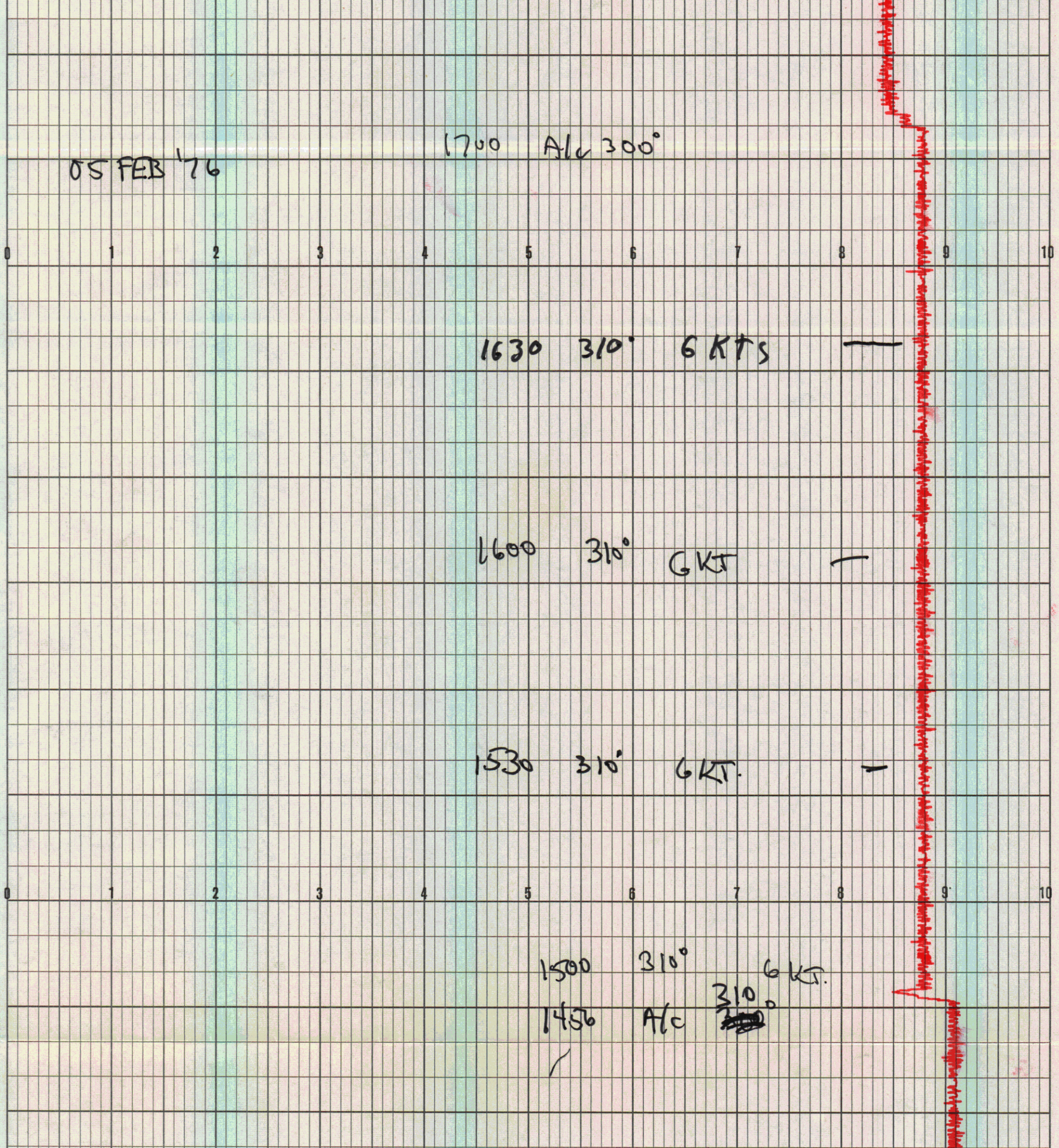

c/c 060° 0639Z
F 146 avoid high Pbnts
0616 c/s 850f
0600 155° 6 kts
0530 155° 6 KT.
0515Z 155° c/c 6 KTS
0500 085° 6 KT.
0430Z 085° 6 KTS

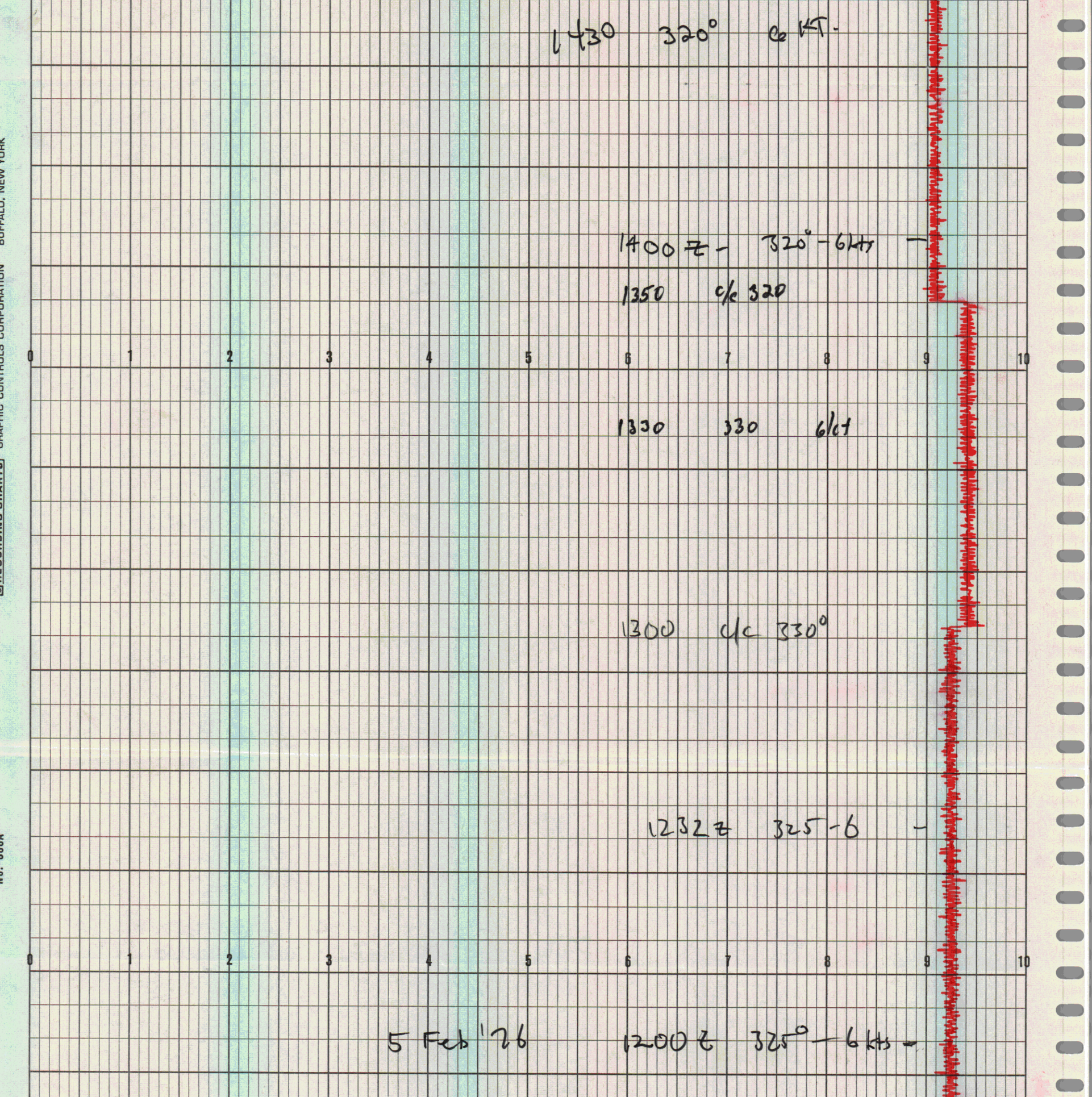

0400 085° 6 Kts Feb 6, 1976
0345Z 085° 6 KTS
0330 090° 6
0300Z 090° 6KTS.
0230 090 6
0200Z 090° - 6
0130 090 6kts

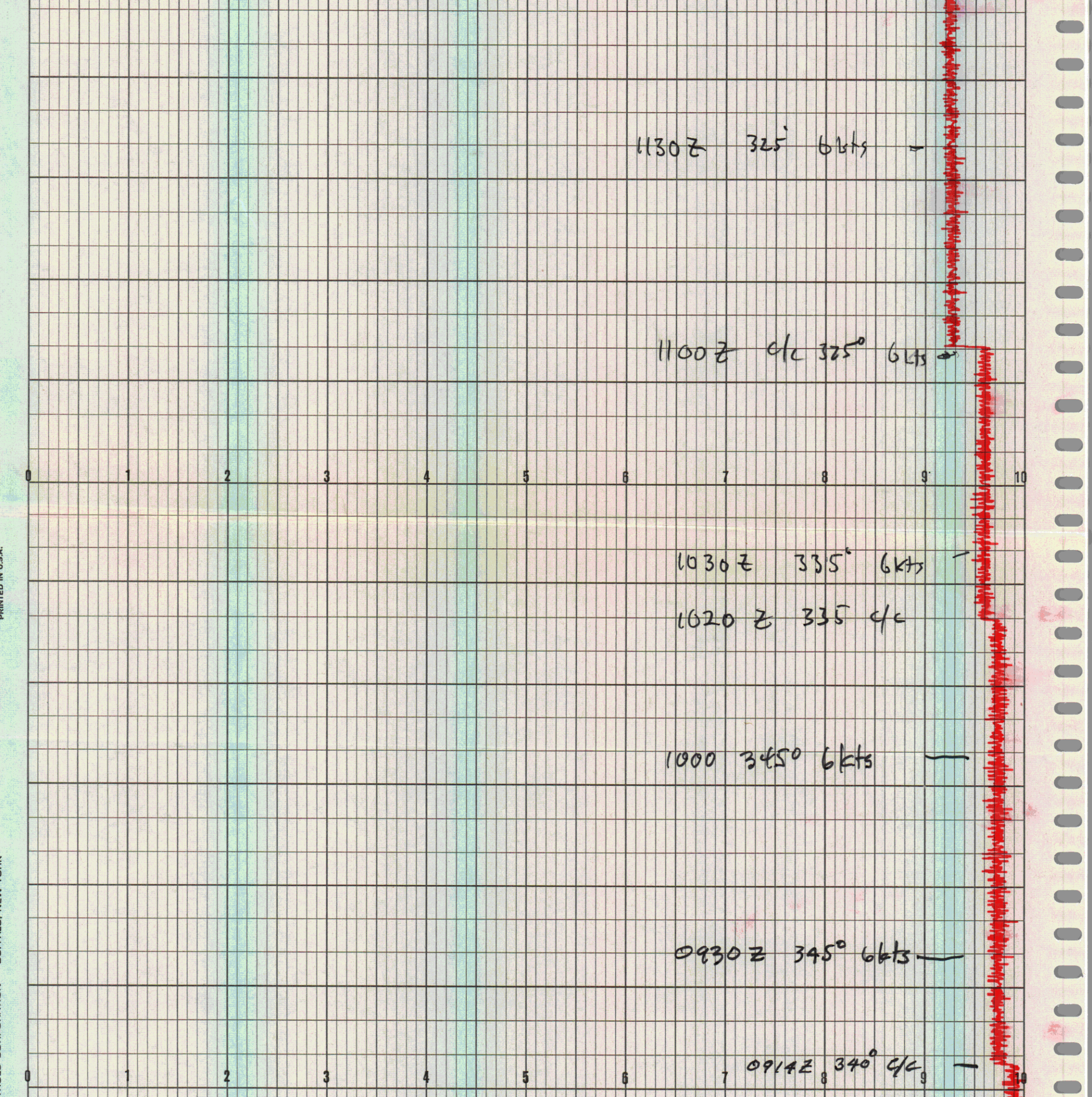

- 0100 090 6kt
- 0030Z - 090° 6 Kts
0 1 2 3 4 5 6 7 8 9 10
- 0000Z 6 Feb. '76 090° 6 Kts
2330 090 6kt
2311Z
2340 C/C 090
2300 086° 6kt
2258 C/C 086°

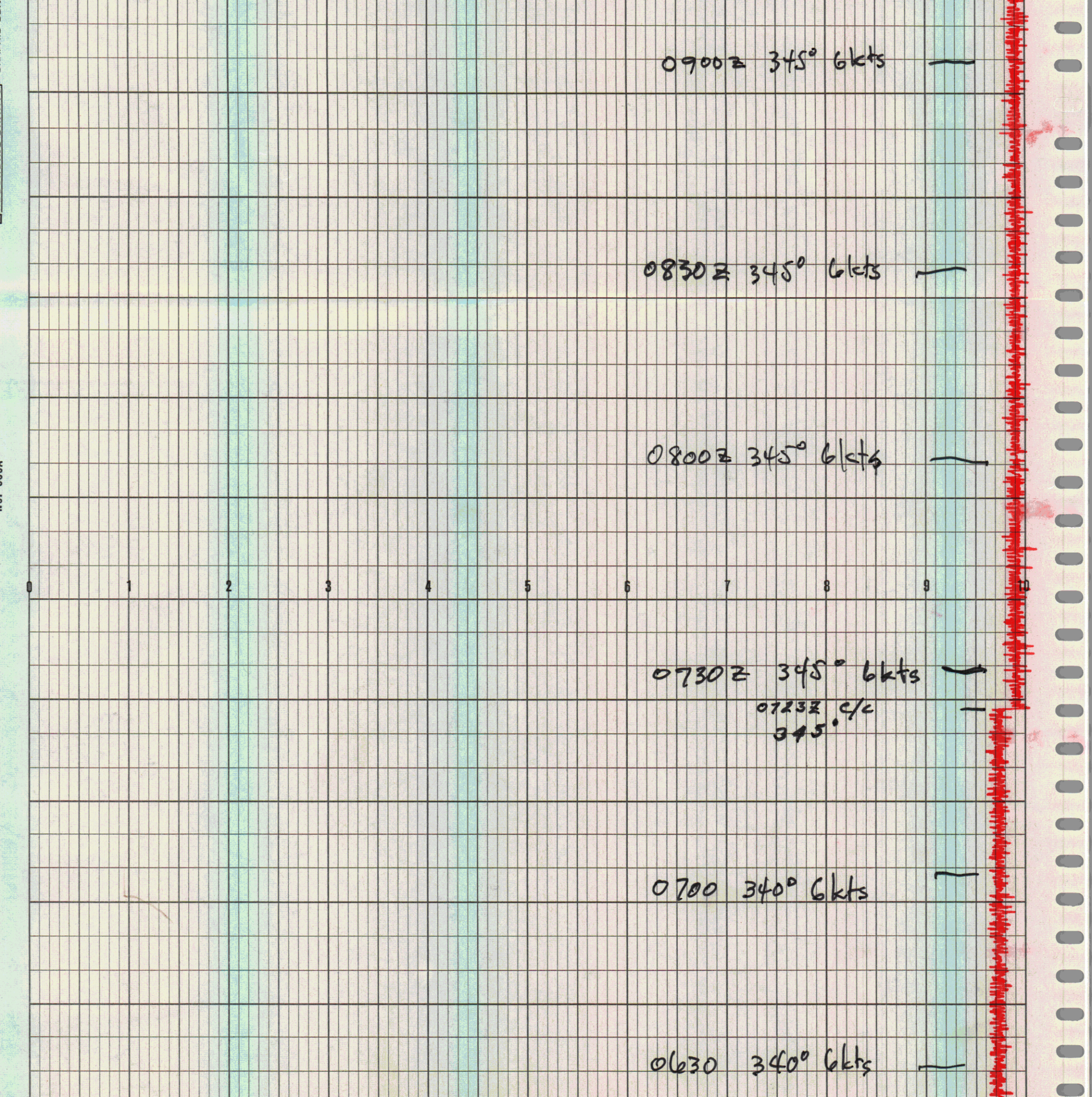

0 1 2 3 4 5 6 7 8 9 10
2230 330° 6kts
2200Z 330° 6kt
2130Z 330 6kts
0 1 2 3 4 5 6 7 8 9 10
2100Z 330° 6kts
2052Z C/C 330°
2030Z 320° 6kts

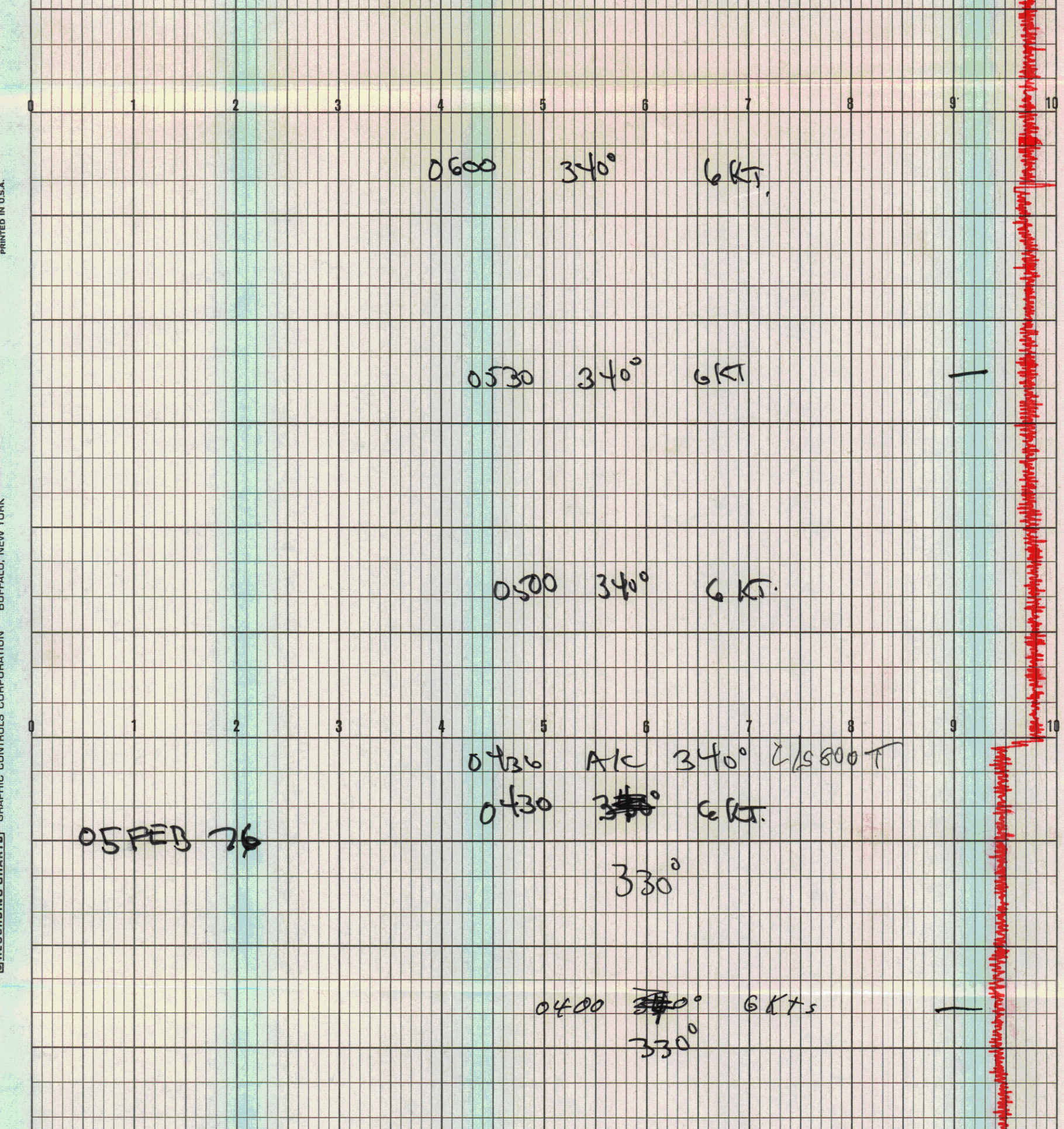

Z 320° 6kts
0 1 2 3 4 5 6 7 8 9 10
1930Z 320° 6kts
1900Z 320° 6kts
05 Feb. '76
1830 300° 6.3kts
C/C 320°
0 1 2 3 4 5 6 7 8 9 10
1800 300° 6.3kts
1730 300° 6KT.


05 FEB '76
1700 A/C 300°
0 1 2 3 4 5 6 7 8 9 10
1630 310° 6 KTS
1600 310° 6KT
1530 310° 6KT.
0 1 2 3 4 5 6 7 8 9 10
1500 310° 6 KT.
1456 A/C 310°


1430 320° 6 KT.
1400 Z - 320° - 6kts -
1350 c/c 320
0 1 2 3 4 5 6 7 8 9 10
1330 330 6/c1
1300 c/c 330°
1232 Z 325 - 6 -
0 1 2 3 4 5 6 7 8 9 10
5 Feb '76
1200 Z 325° - 6 kts -


1130Z 325° 6kts
1100Z c/c 325° 6kts
0 1 2 3 4 5 6 7 8 9 10
1030Z 335° 6kts
1020Z 335 c/c
1000 345° 6kts
0930Z 345° 6kts
0914Z 340° c/c
0 1 2 3 4 5 6 7 8 9 10


0900Z 345° 6kts
0830Z 345° 6kts
0800Z 345° 6kts
0730Z 345° 6kts
0723Z C/C
345°
0700 340° 6kts
0630 340° 6kts
0
1
2
3
4
5
6
7
8
9
10



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0330 ~~330~~ 330° 6 kts

0 1 2 3 4 5 6 7 8 9 10

0300 330° 6 kts.

Not done { c/c 0253 Z 340°
c/s 750 Turns

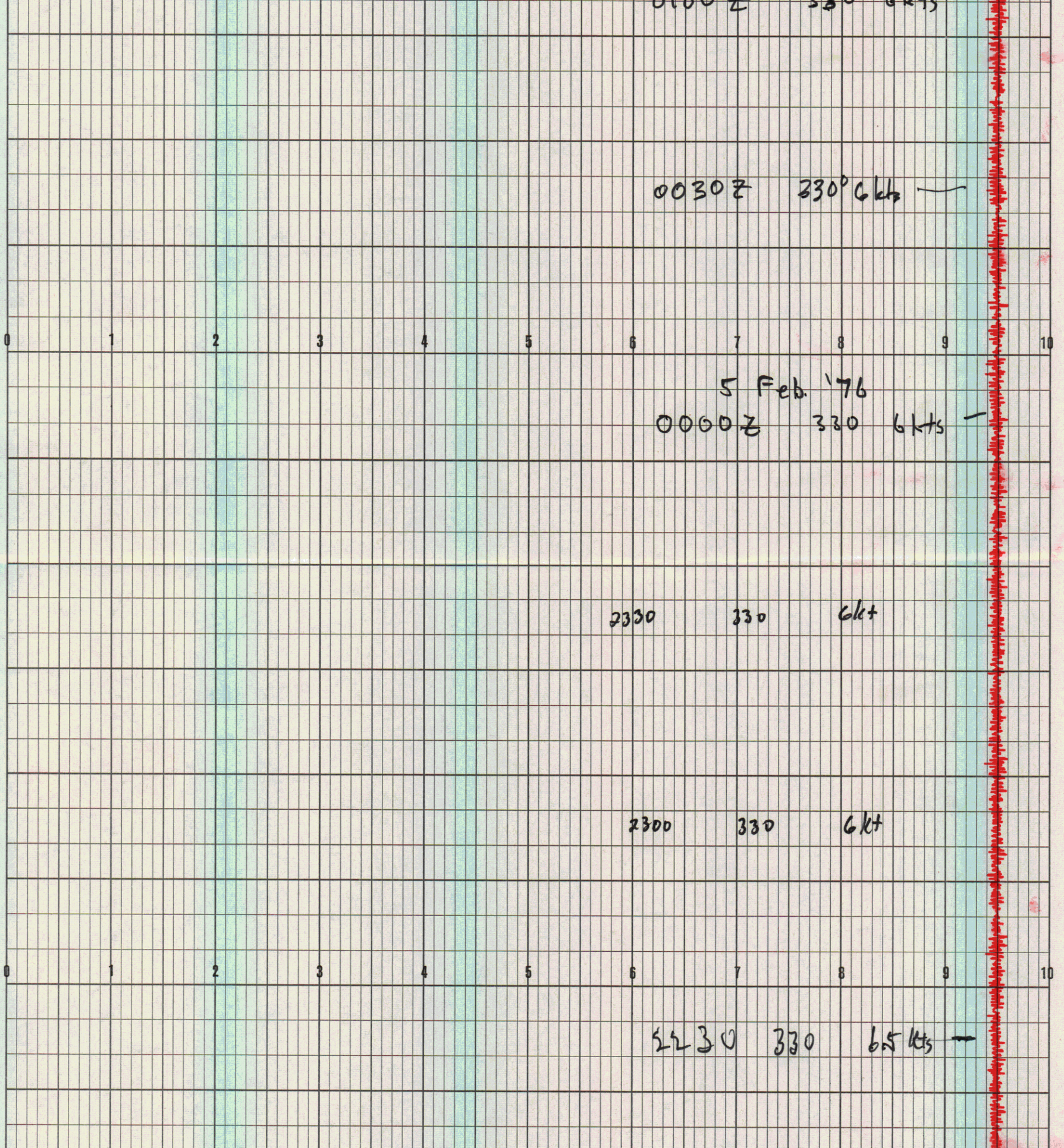
0230 330° 6 kt.

0200 Z 330° 6 kts

0 1 2 3 4 5 6 7 8 9 10

0130 Z 330° 6 kts.

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0030Z 330° 6 kts
0 1 2 3 4 5 6 7 8 9 10
5 Feb '76
0000Z 330 6 kts
2330 330 6kt
2300 330 6kt
0 1 2 3 4 5 6 7 8 9 10
2230 330 6.5 kts

2200 330 6kt

2130Z 330° 6 kts

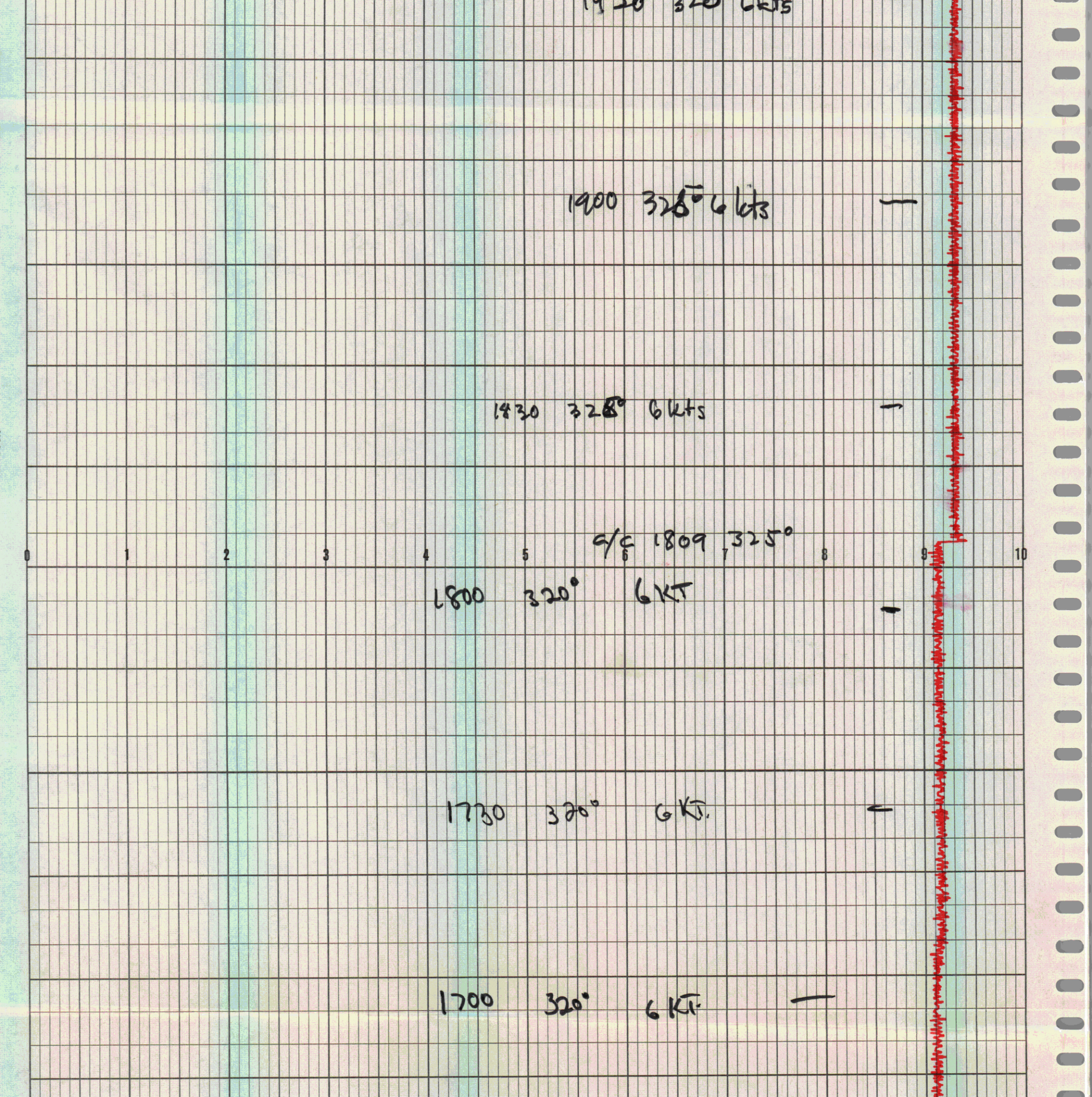
2100Z 330° 6kts

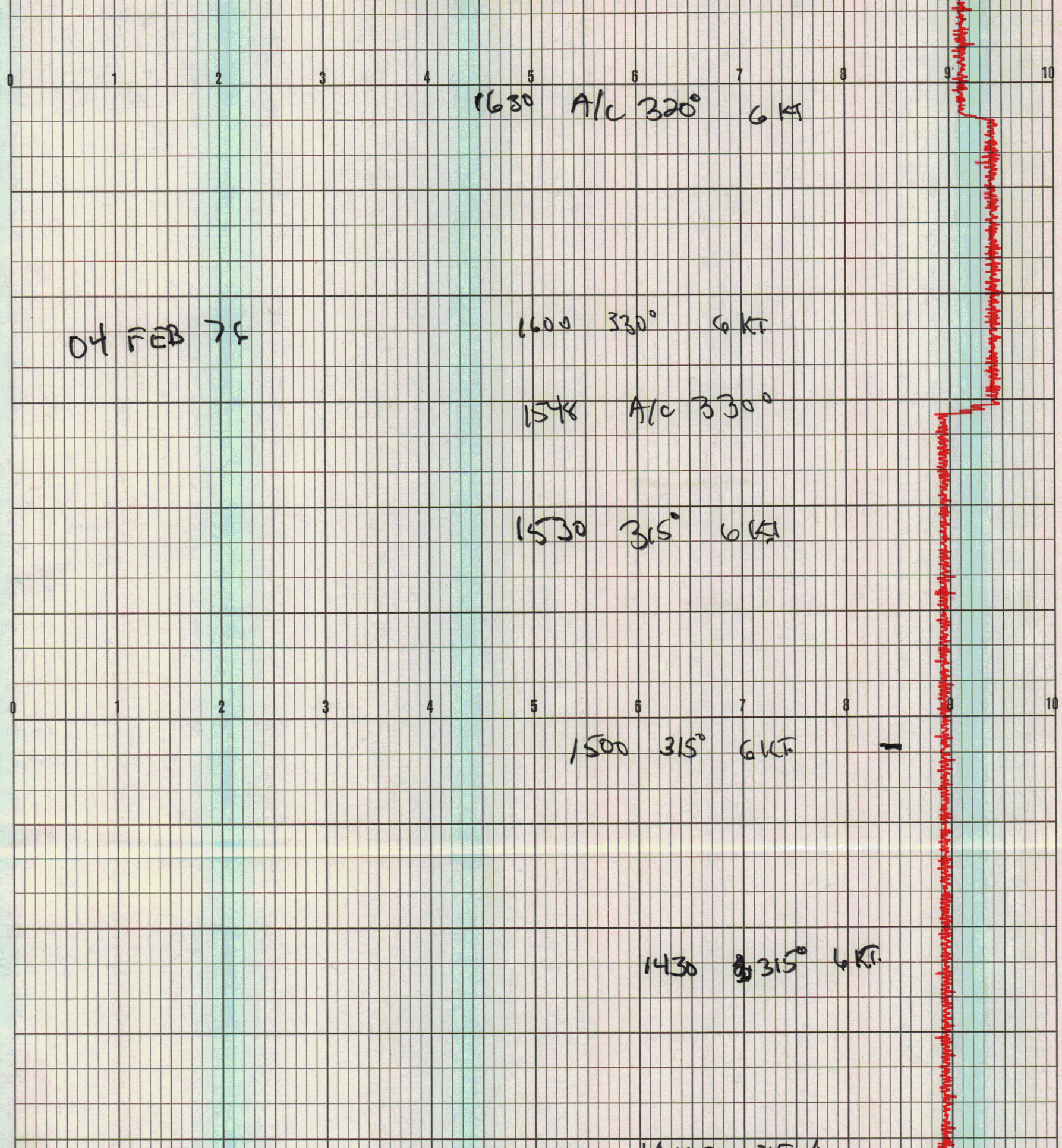
2030Z 330° 6kts

2005Z
C/C 330°

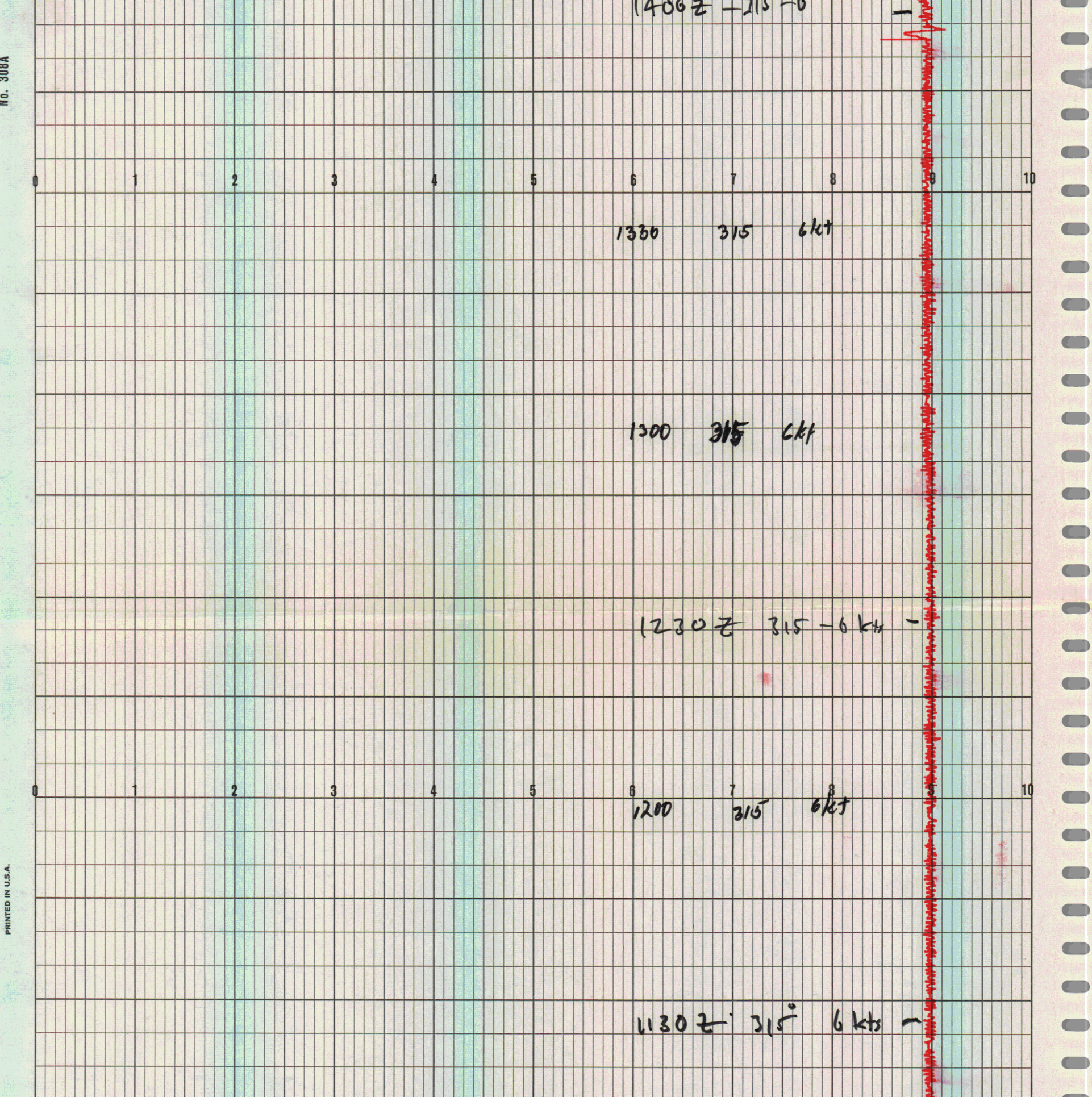
2010Z C/S 850T
2000Z 325° 6kts

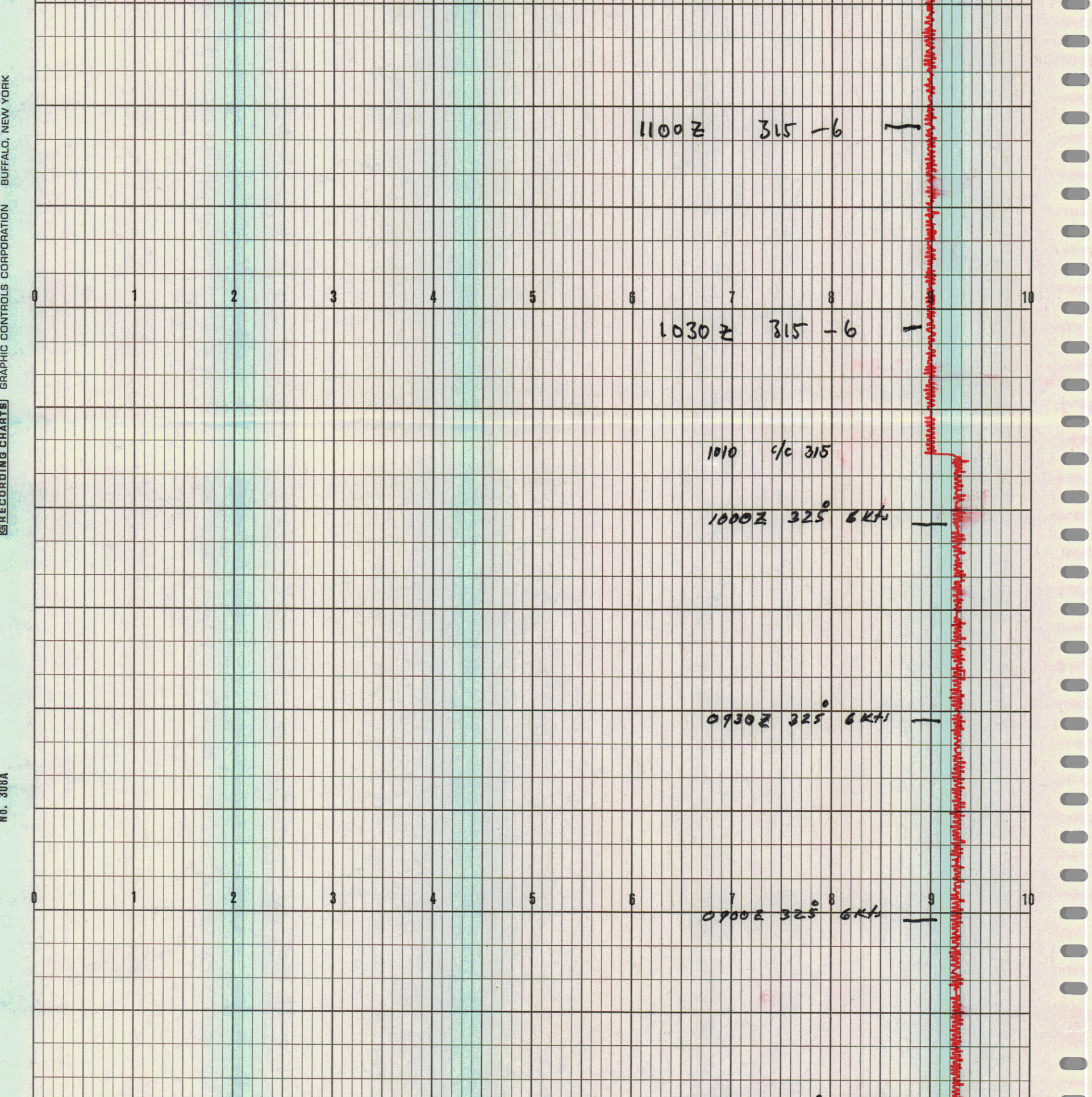
4 Feb.

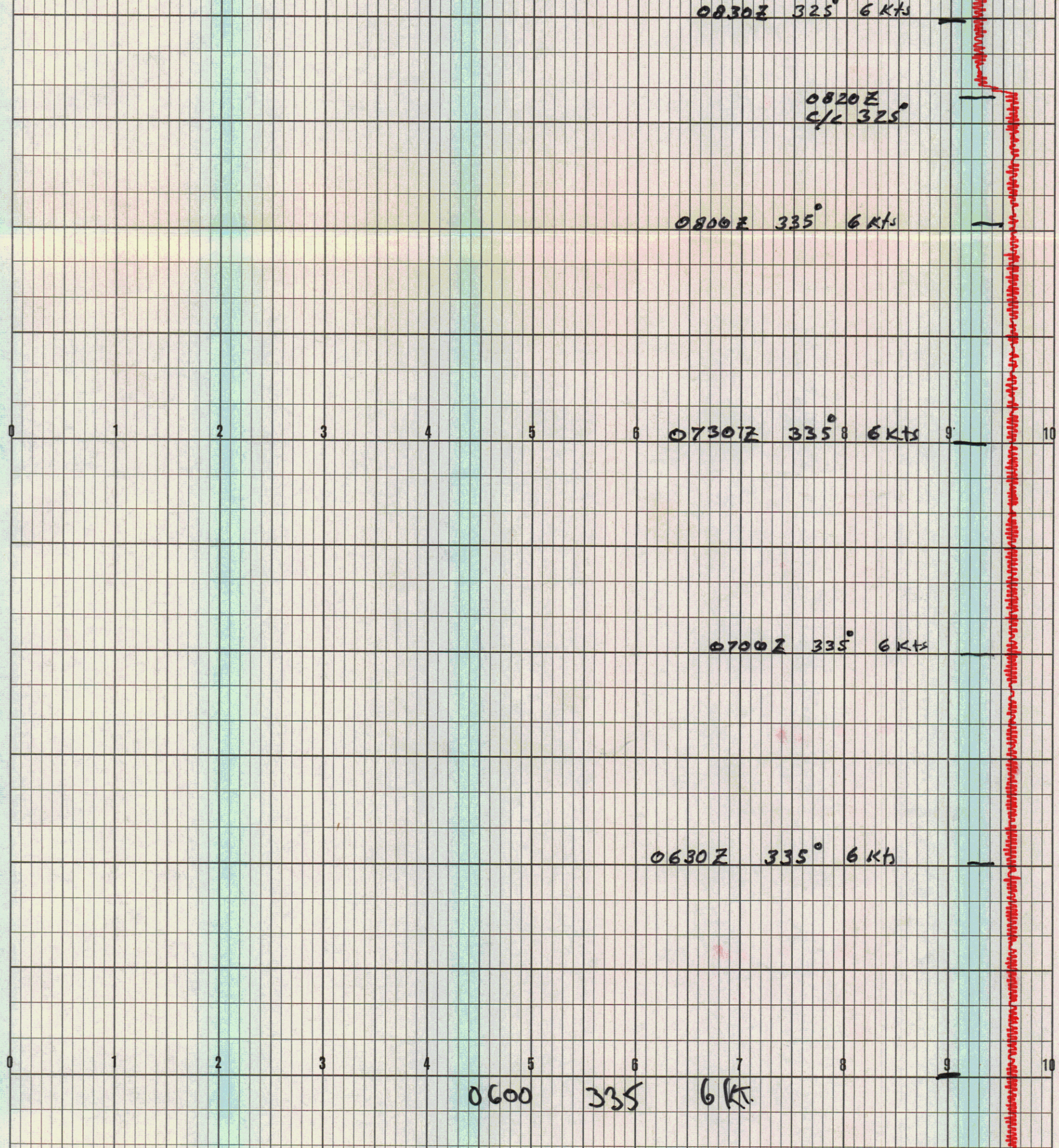

1900 325° 6 kts
1830 325° 6 kts
c/c 1809 325°
1800 320° 6KT
1730 320° 6KT.
1700 320° 6KT.
0
1
2
3
4
5
6
7
8
9
10



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1406Z 315 6
0 1 2 3 4 5 6 7 8 9 10
1330 315 6kt
1300 315 6kt
1230Z 315 - 6 kts -
0 1 2 3 4 5 6 7 8 9 10
1200 315 6kt
1130Z 315° 6 kts -


1100Z 315 -6
0 1 2 3 4 5 6 7 8 10
1030Z 315 -6
1010 c/c 315
1000Z 325° 6 Kts
0930Z 325° 6 Kts
0 1 2 3 4 5 6 7 8 9 10
0900Z 325° 6 Kts
RECORDING CHARTS GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK
NO. 308A



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CONTROLS CORPORATION — BUFFALO, NEW YORK

0530 335° 6KT.

0500 335° 6KT.

0430 335° 6KT.

0400 335° 6KT.

04 FEB 76

0334 A/C 335° 800FT.
0330 340° 6KT.

0300 340° 6KT

0230 340° 6 KT.

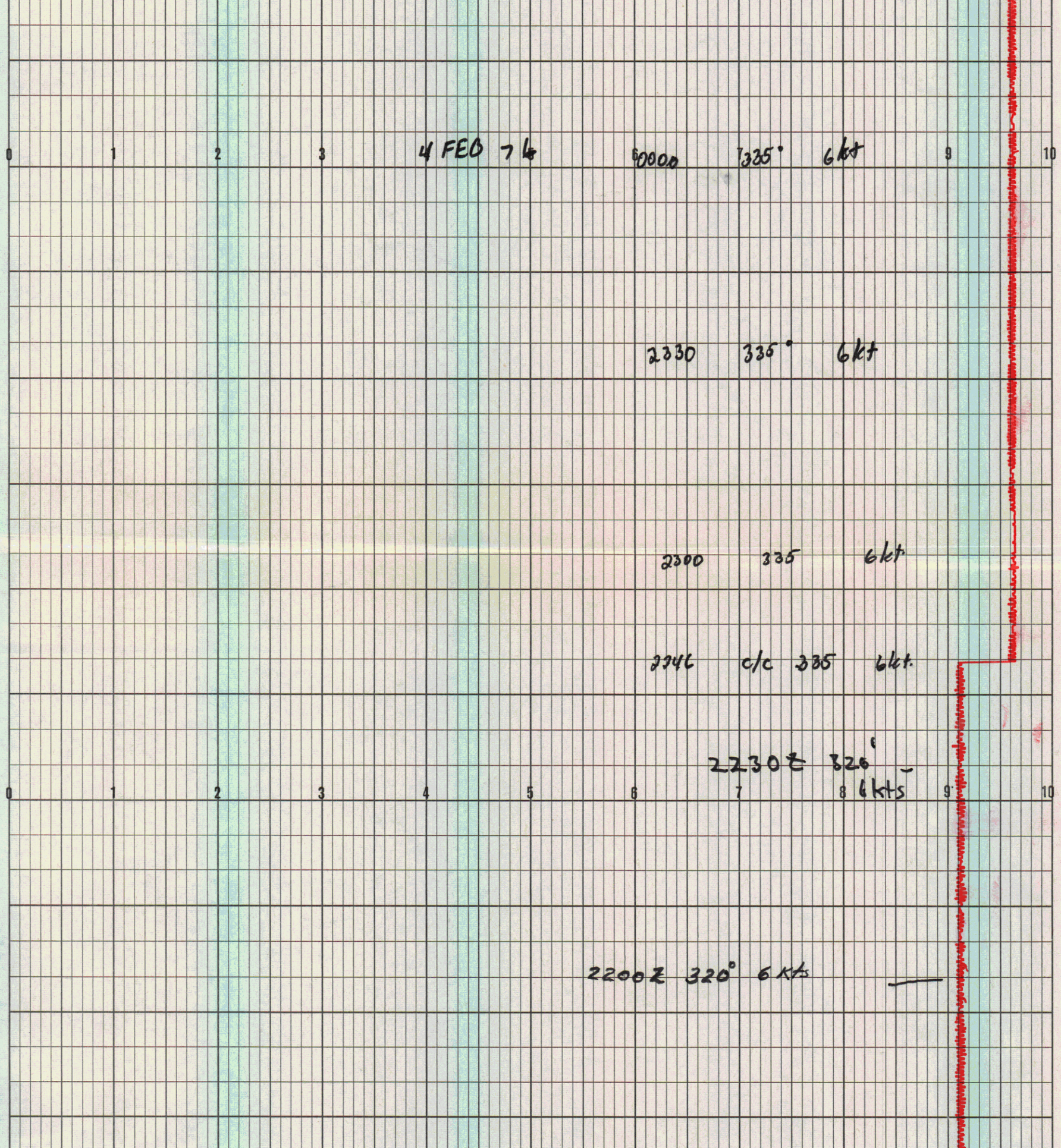
0200Z 340° - 6

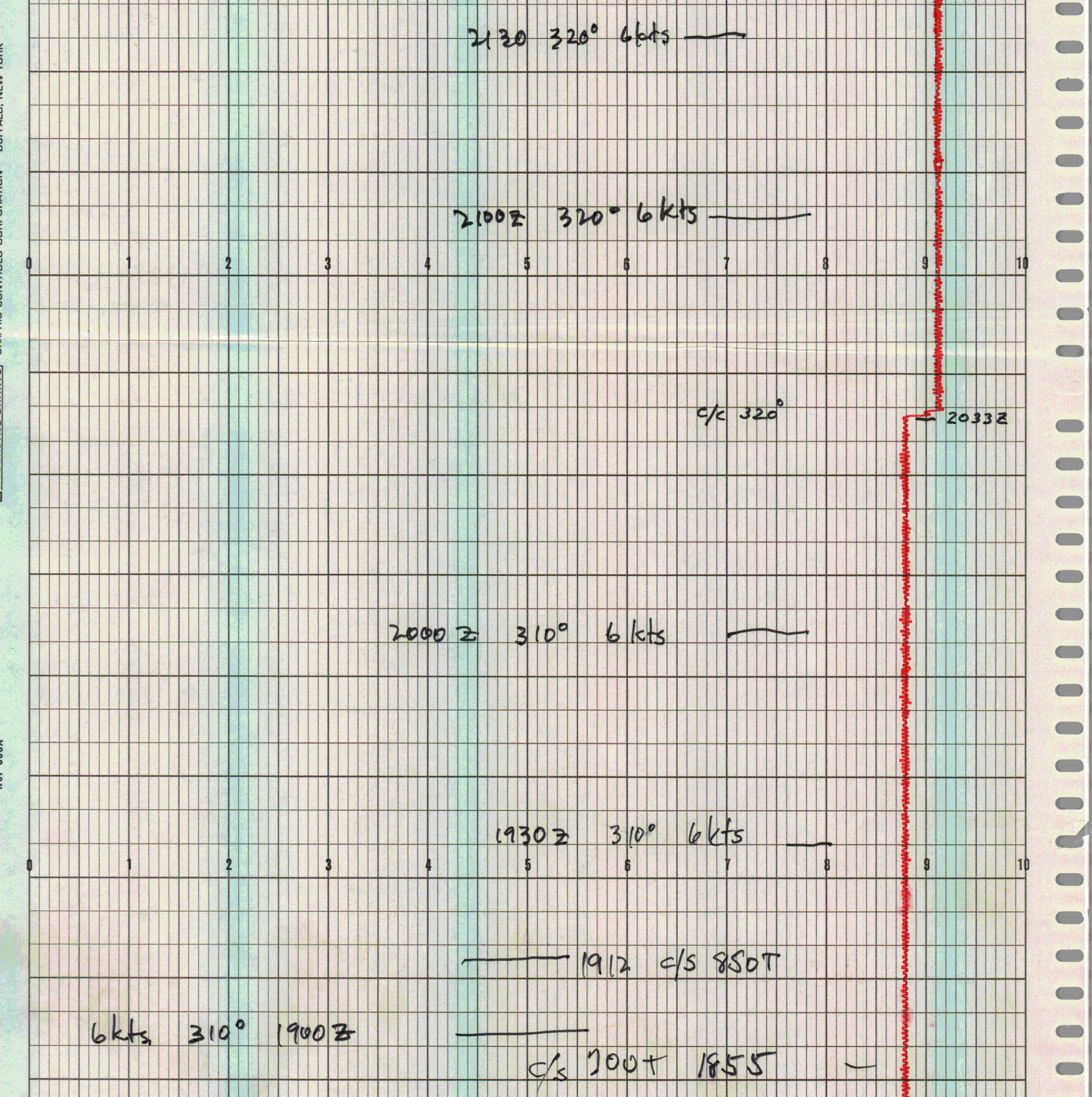
0130Z 340° - 6

0100 340° 6kt

0041 o/c 340

0030 335 6kt


4 FEB 74
0000 335° 6kt
2330 335° 6kt
2300 335 6kt
2246 c/c 335 6kt.
2230Z 326° 6kts
2200Z 320° 6 kts


2130Z 320° 6kts
2100Z 320° 6kts
0 1 2 3 4 5 6 7 8 9 10
C/C 320°
2033Z
2000Z 310° 6kts
1930Z 310° 6kts
0 1 2 3 4 5 6 7 8 9 10
1912 C/S 850T
6kts 310° 1900Z
C/S 700T 1855

c/c 310° 1830Z

c/c 320° 1808Z

1800 325° 6 KTS.

1730 325° 6 KTS.

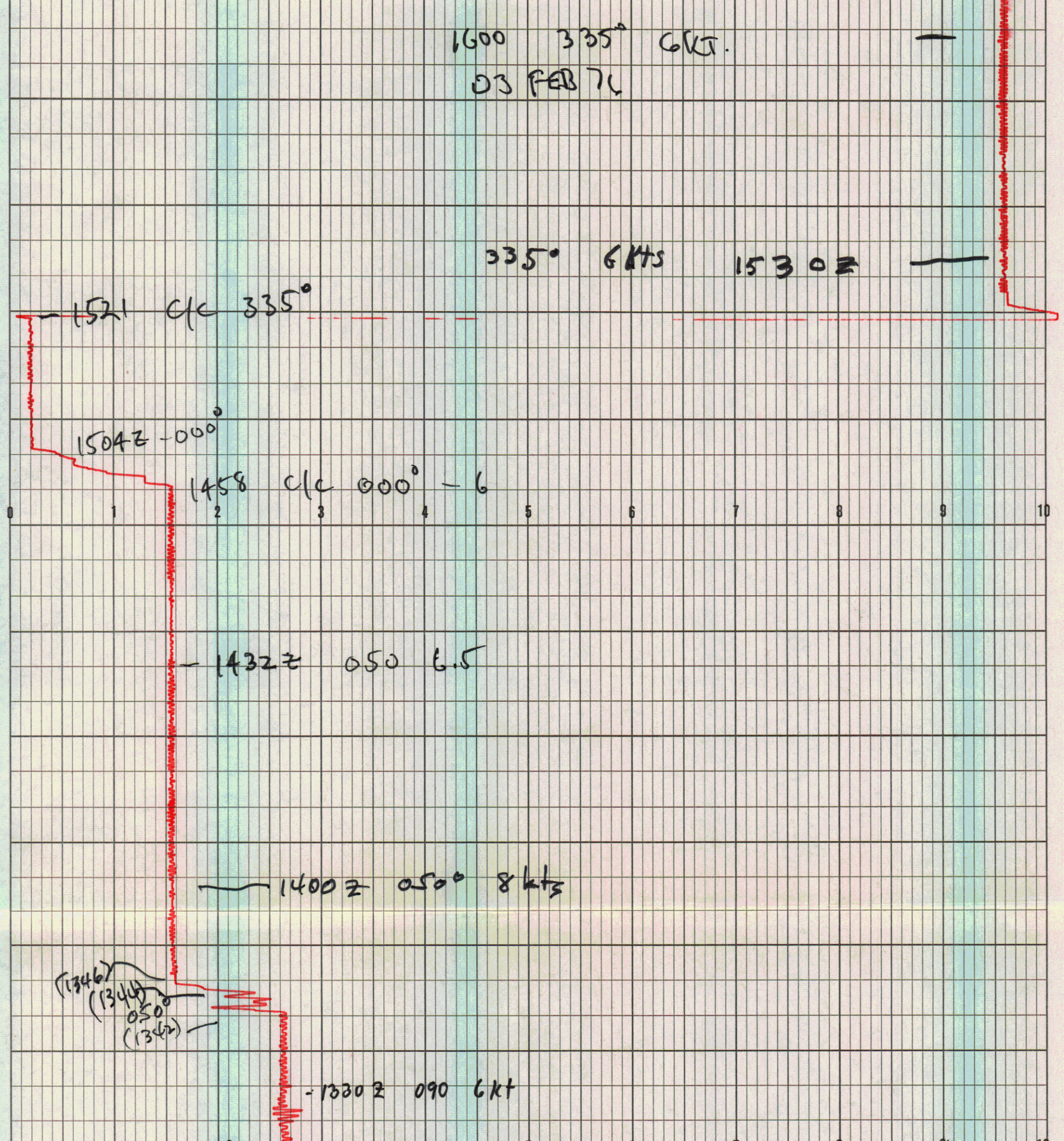
1700 325° 6 KTS.

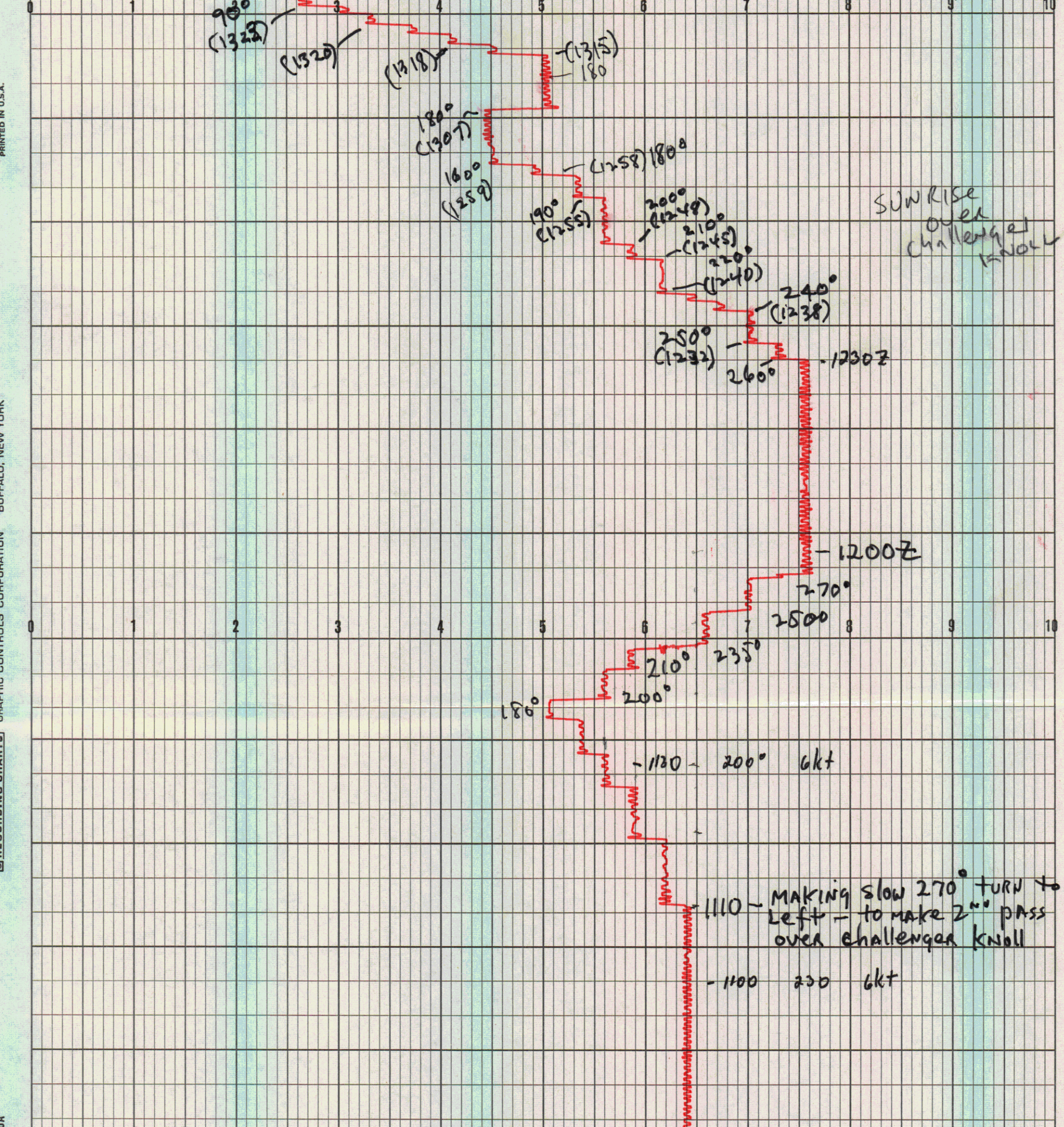
1634 800 T.

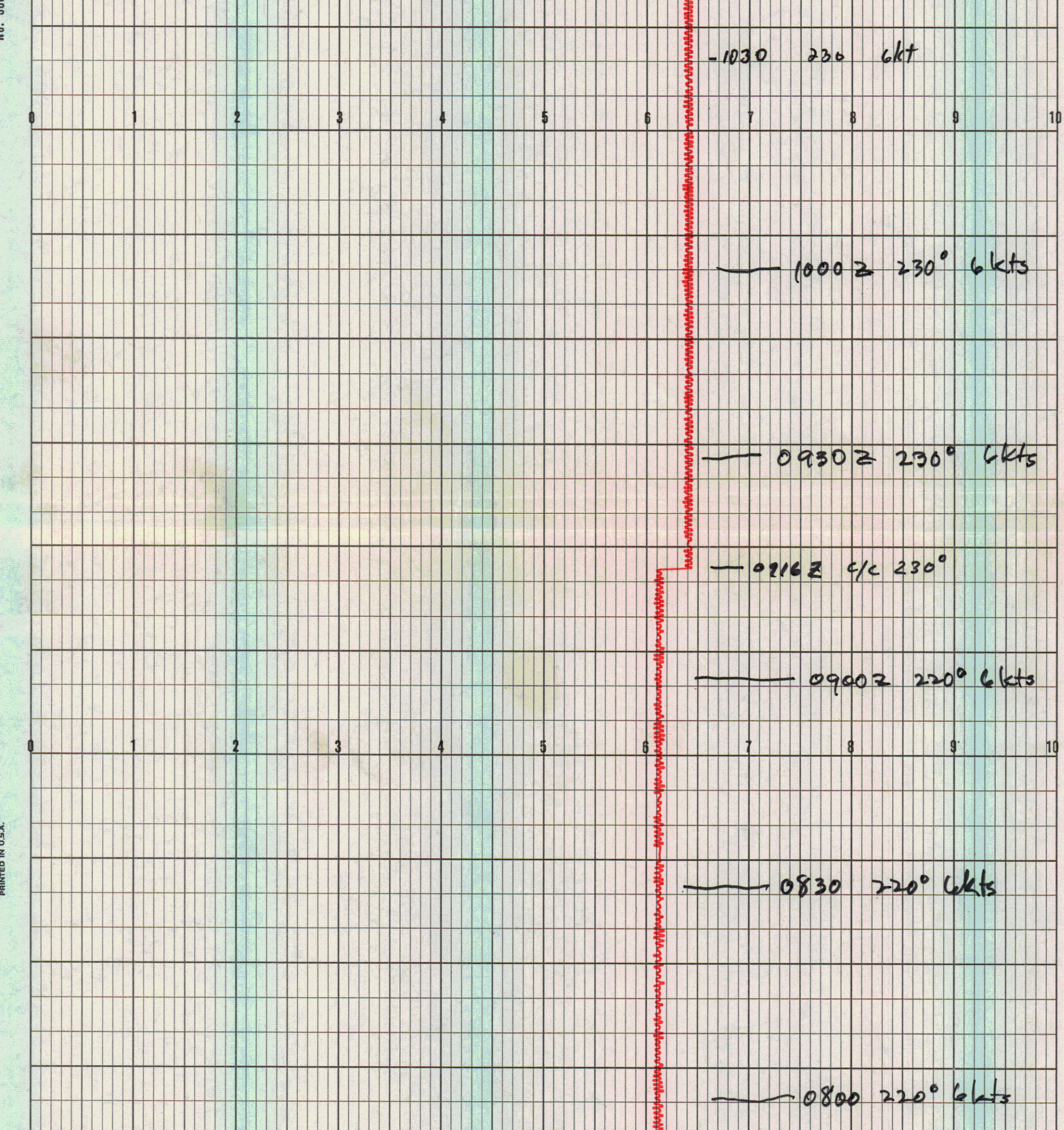
325° 6 KTS 1630Z

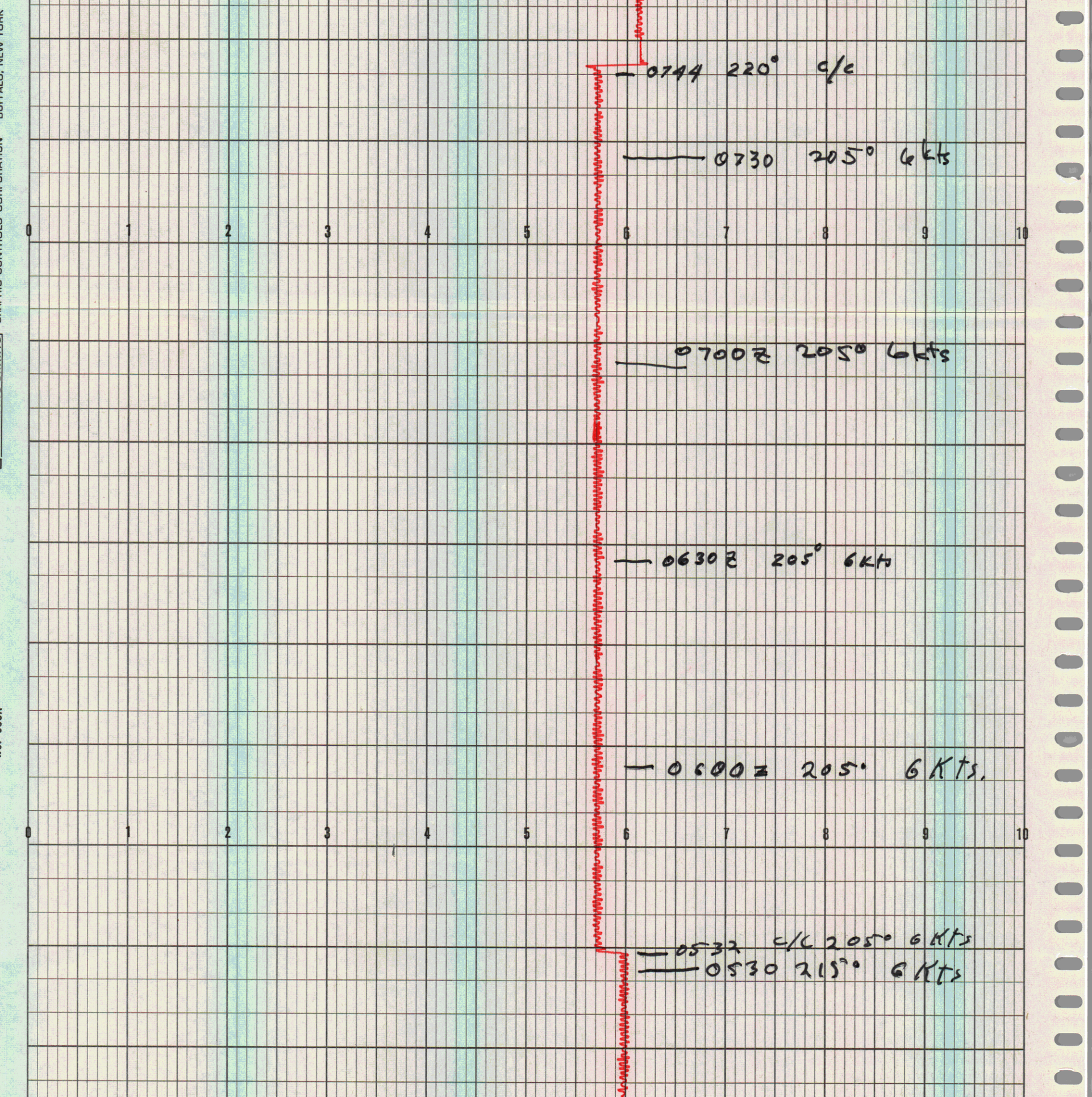
1616 A/C 325°

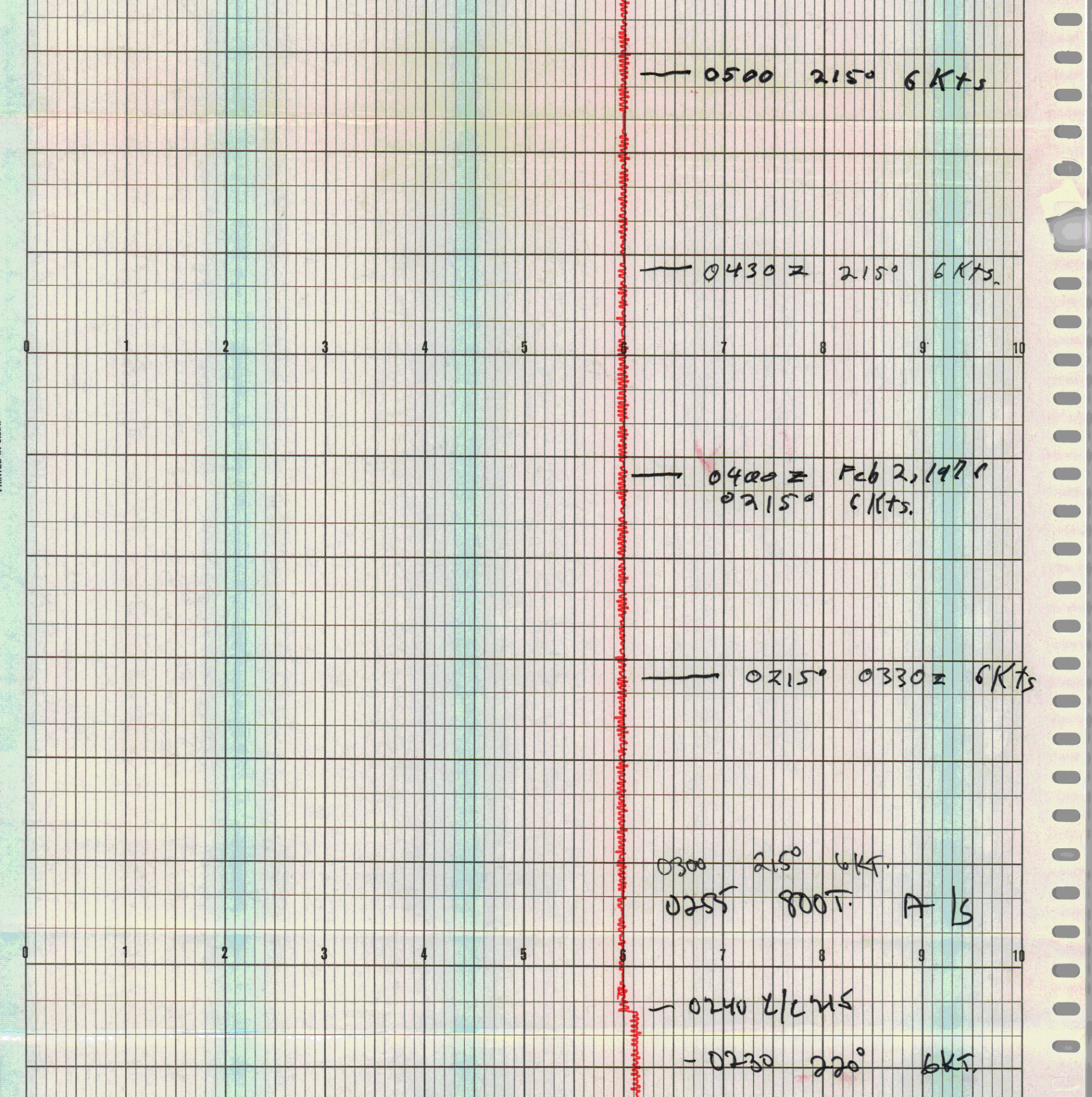
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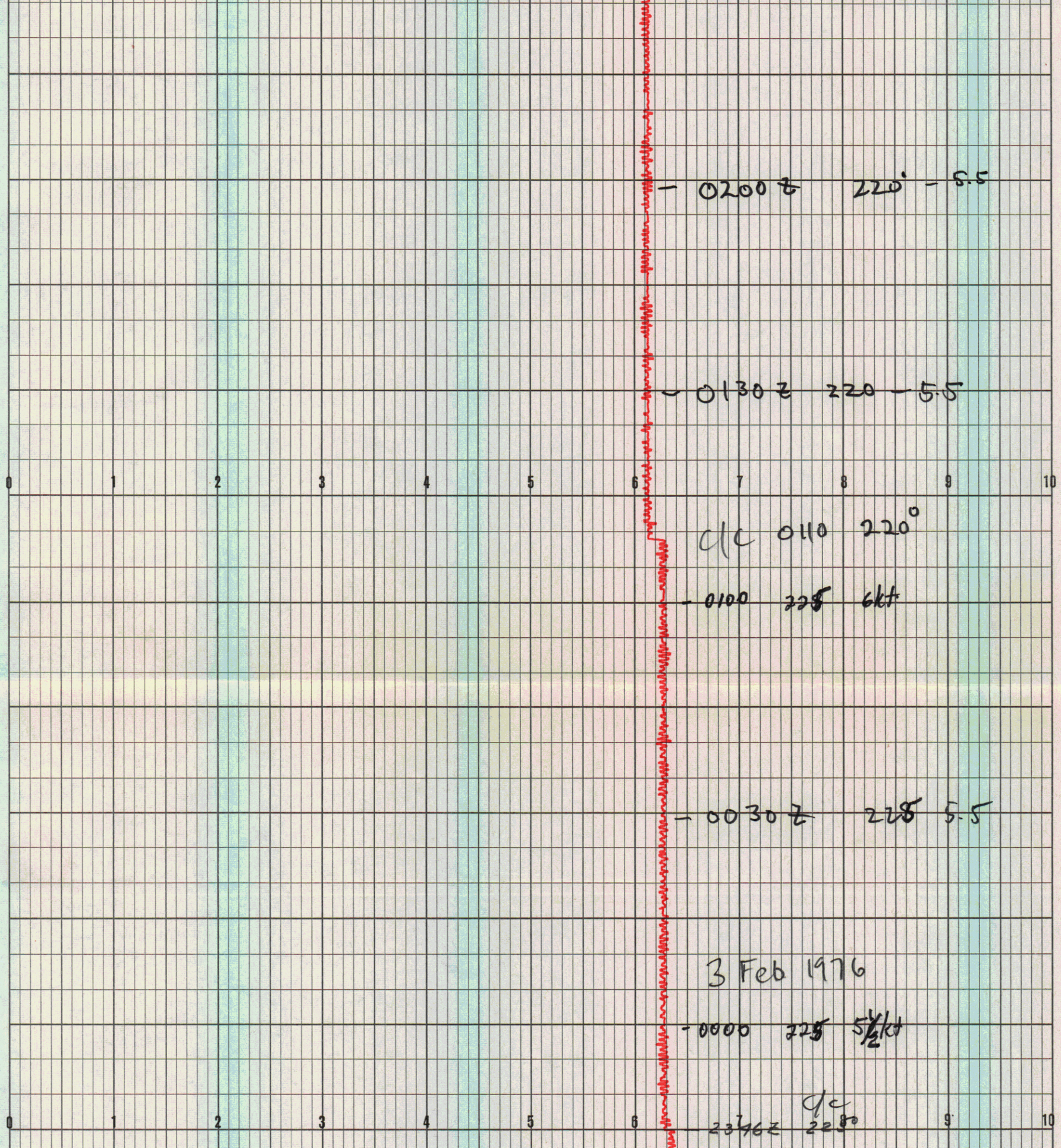

1600 335° 6KT.
03 FEB 74
335° 6kts 1530Z
1521 C/C 335°
1504Z 000°
1458 C/C 000° - 6
0
1
2
3
4
5
6
7
8
9
10
1432Z 050 6.5
1400Z 050° 8kts
(1346Z)
(1344Z)
050°
(1342Z)
1330Z 090 6kt

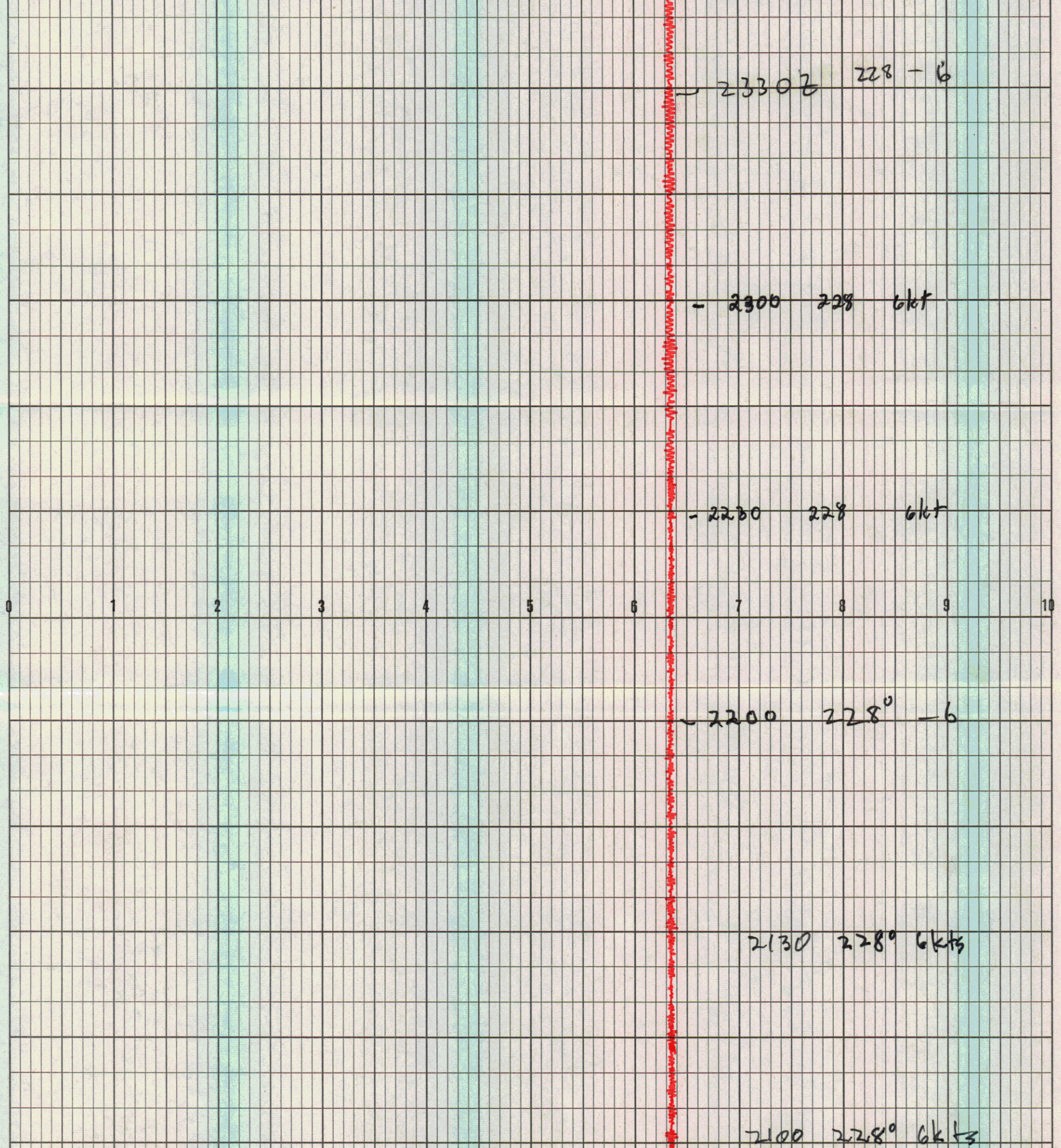

90°
(1322)
(1320)
(1318)
(1315)
180
180°
(1307)
160°
(1258)
(1258) 180°
190°
(1255)
200°
(1249)
210°
(1245)
220°
(1240)
240°
(1238)
250°
(1232)
2600
1230Z
1200Z
270°
2500
2350
210°
200°
180°
1130 - 200° 6kt
1110 - MAKING slow 270° TURN to Left - to make 2nd PASS over challenger KNOLL
1100 230 6kt
SUNRISE over challenger KNOLL
0
1
2
3
4
5
6
7
8
9
10

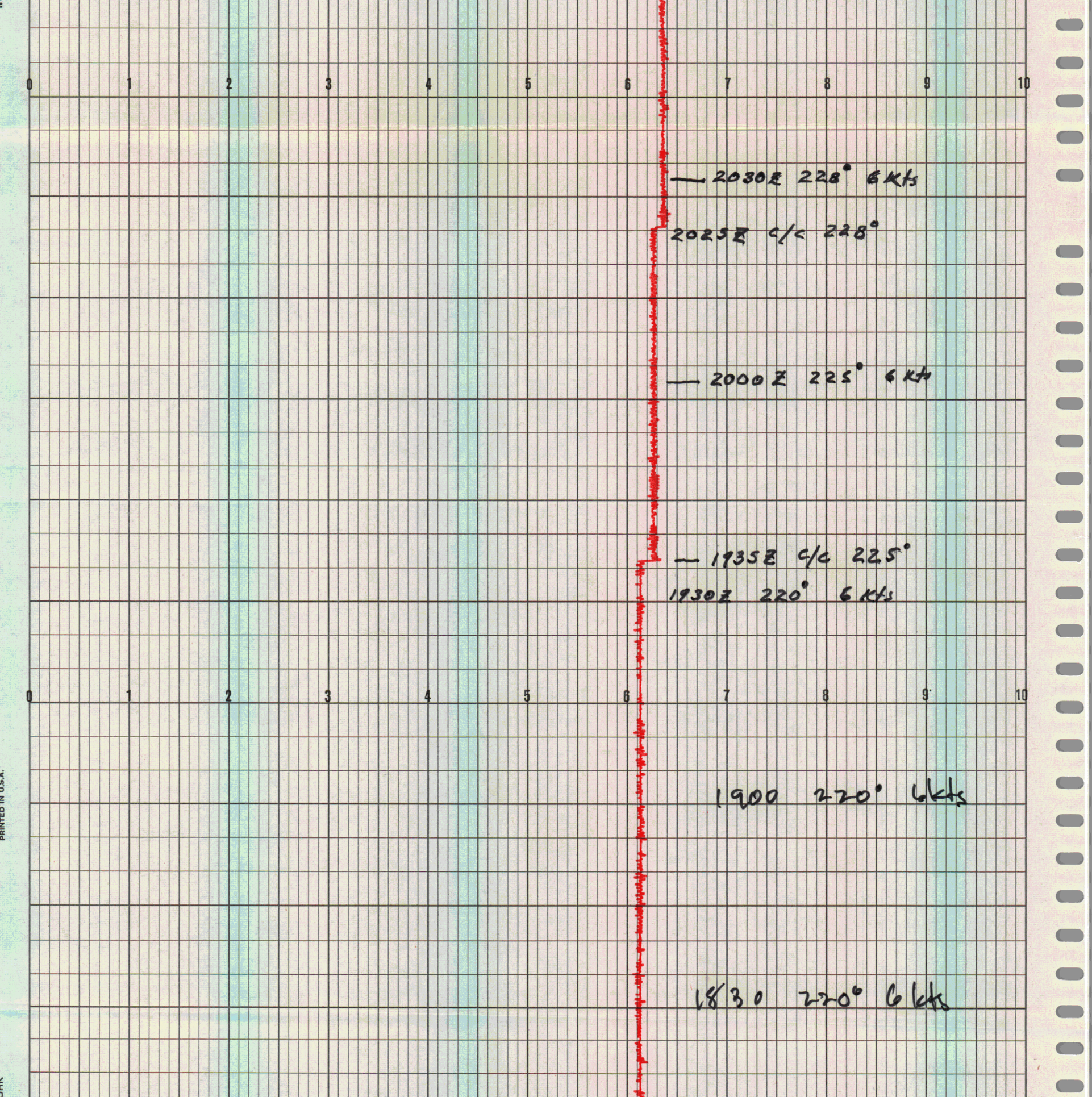

-1030 230 6kt
1000Z 230° 6kts
0930Z 230° 6kts
0916Z c/c 230°
0900Z 220° 6kts
0830 220° 6kts
0800 220° 6kts
0 1 2 3 4 5 6 7 8 9 10
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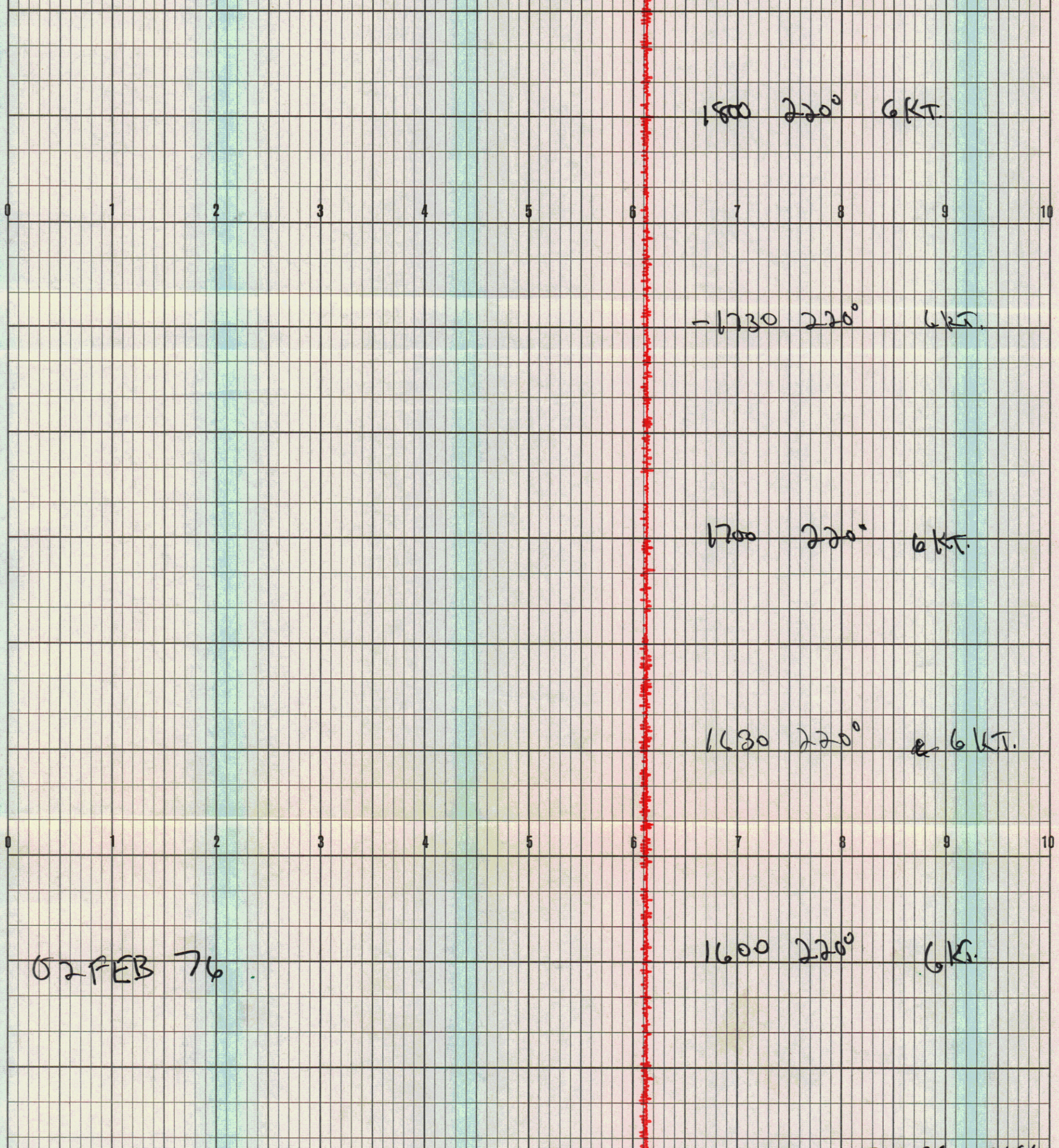

0744 220° c/c
0730 205° 6kts
0700Z 205° 6kts
0630Z 205° 6kts
0600Z 205° 6 Kts.
0532 c/c 205° 6 Kts
0530 215° 6 Kts
0 1 2 3 4 5 6 7 8 9 10
0 1 2 3 4 5 6 7 8 9 10

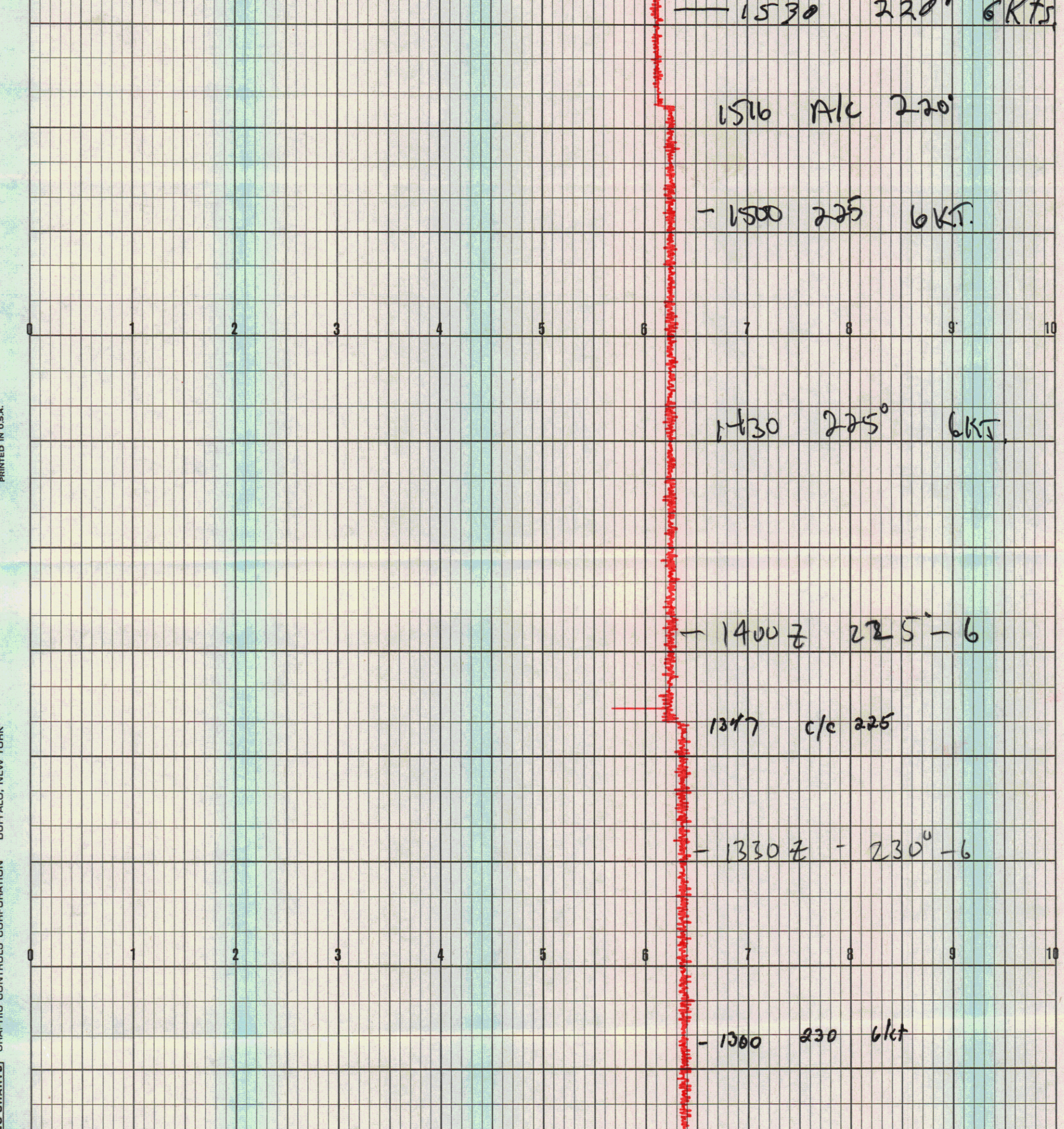

0500 215° 6 Kts
0430 Z 215° 6 Kts.
0400 Z Feb 2, 1977
@215° 6 Kts.
@215° 0330 Z 6 Kts
0300 215° 6 KT.
0255 800 T. A/S
0240 L/C N5
0230 220° 6 KT.

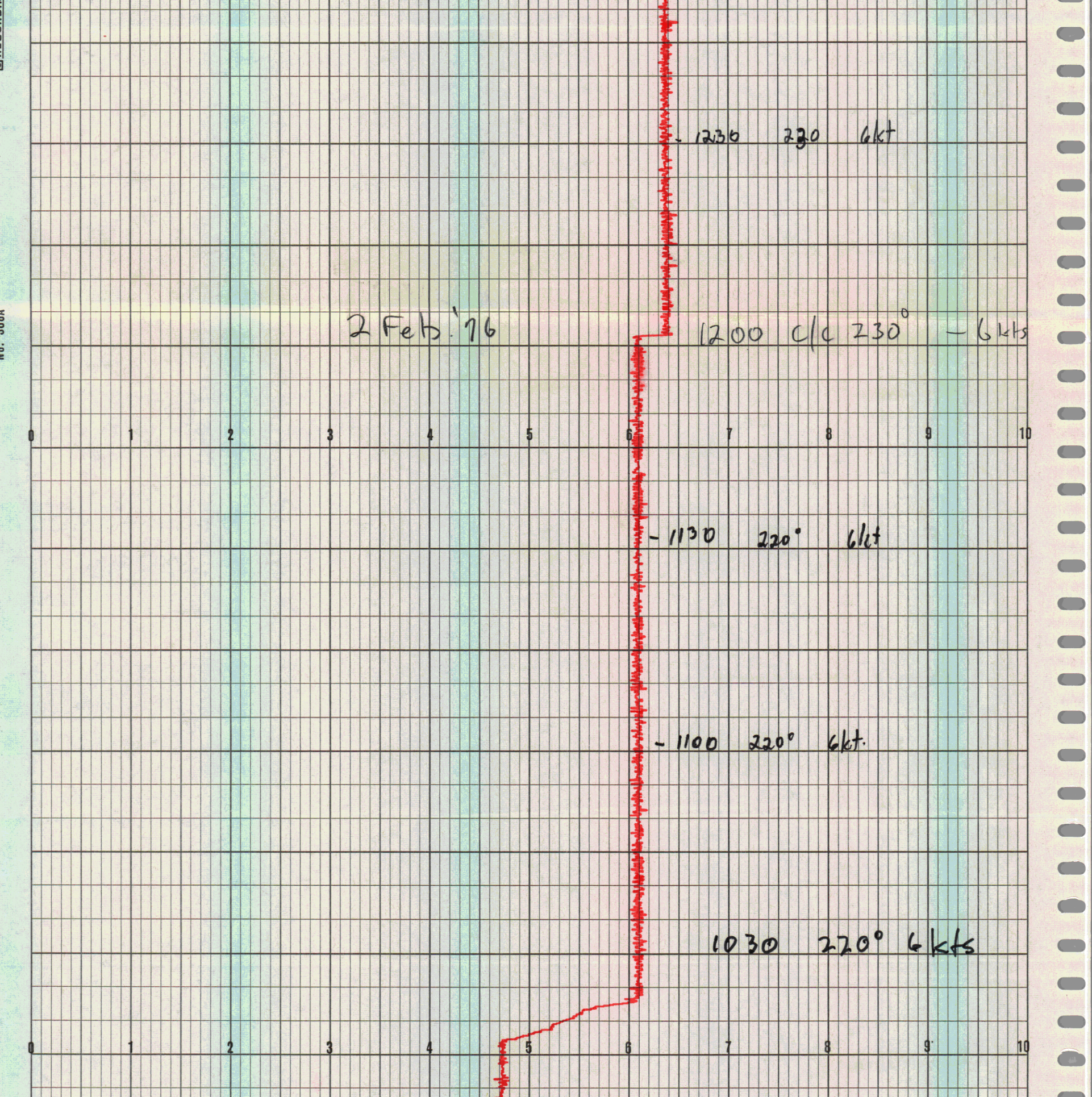

- 0200 Z 220° - 5.5
- 0130 Z 220 - 5.5
0 1 2 3 4 5 6 7 8 9 10
C/C 0110 220°
- 0100 225 6kt
- 0030 Z 225 5.5
3 Feb 1976
- 0000 225 5½kt
C/C
0 1 2 3 4 5 6 2346Z 220° 9 10

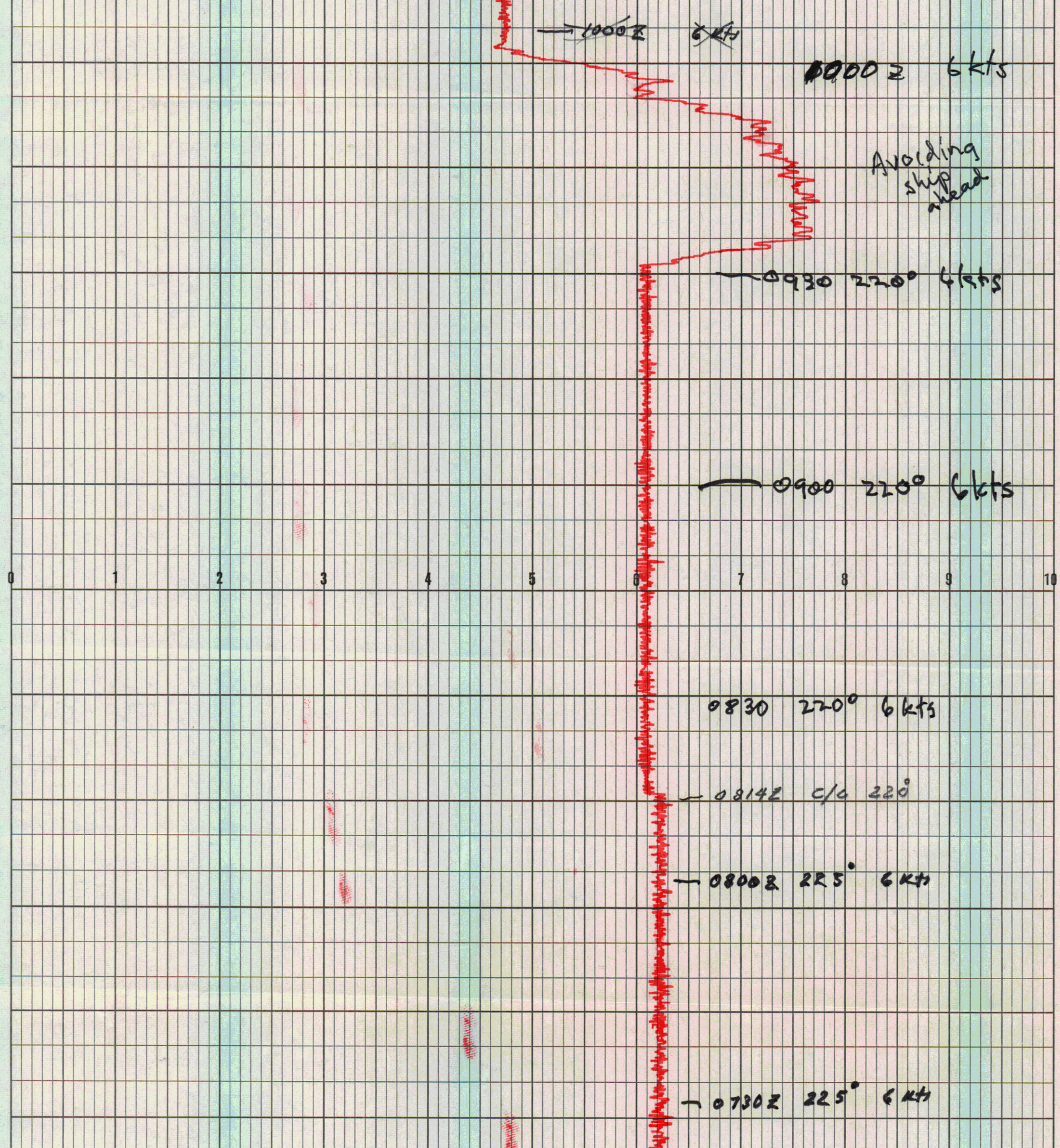

2330Z 228 - 6
2300 228 6kt
2230 228 6kt
0
1
2
3
4
5
6
7
8
9
10
2200 228° -6
2130 228° 6kts
2100 228° 6kts

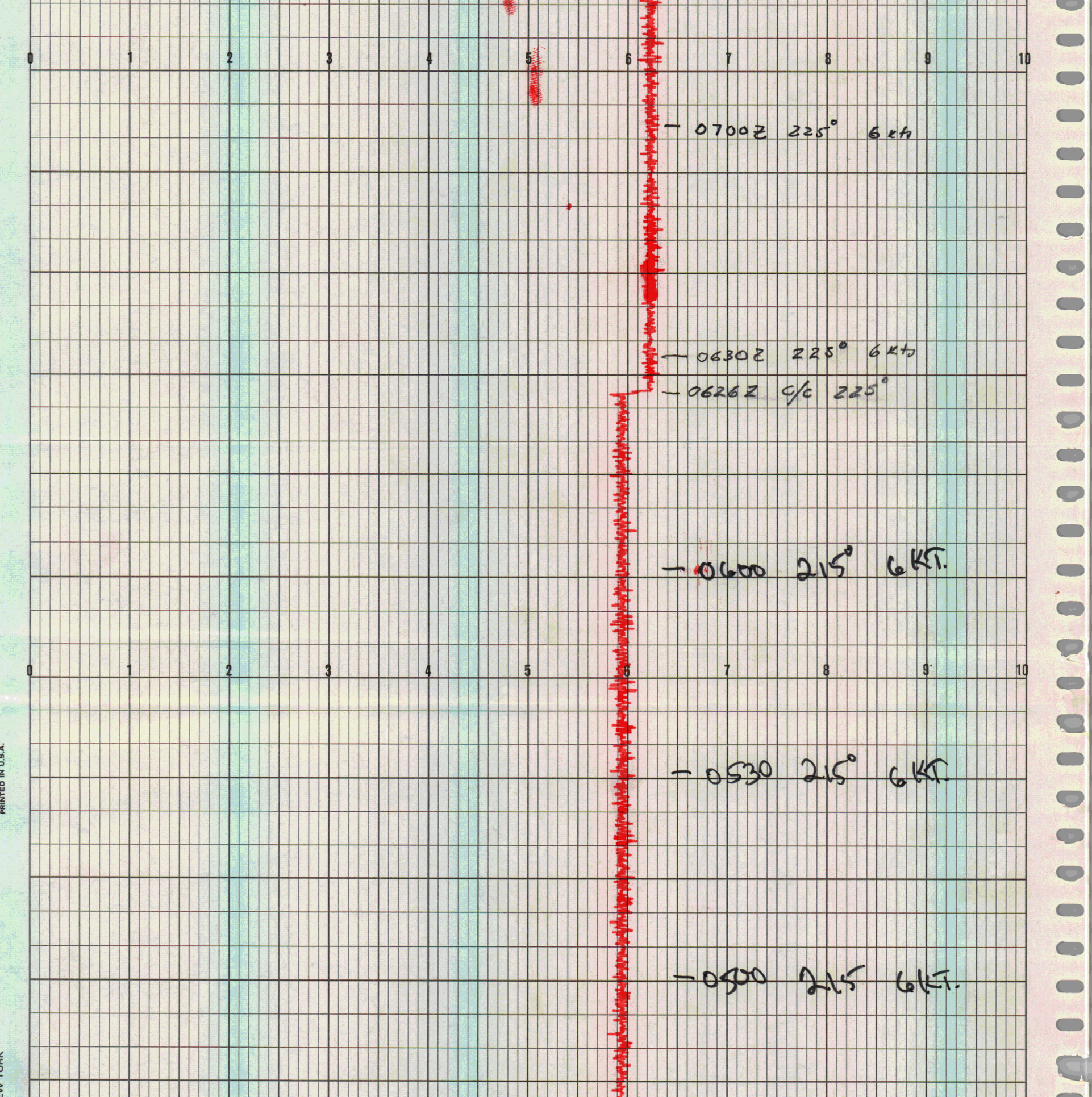

0
1
2
3
4
5
6
7
8
9
10
2030Z 228° 6 kts
2025Z c/c 228°
2000Z 225° 6 kts
1935Z c/c 225°
1930Z 220° 6 kts
1900 220° 6 kts
1830 220° 6 kts

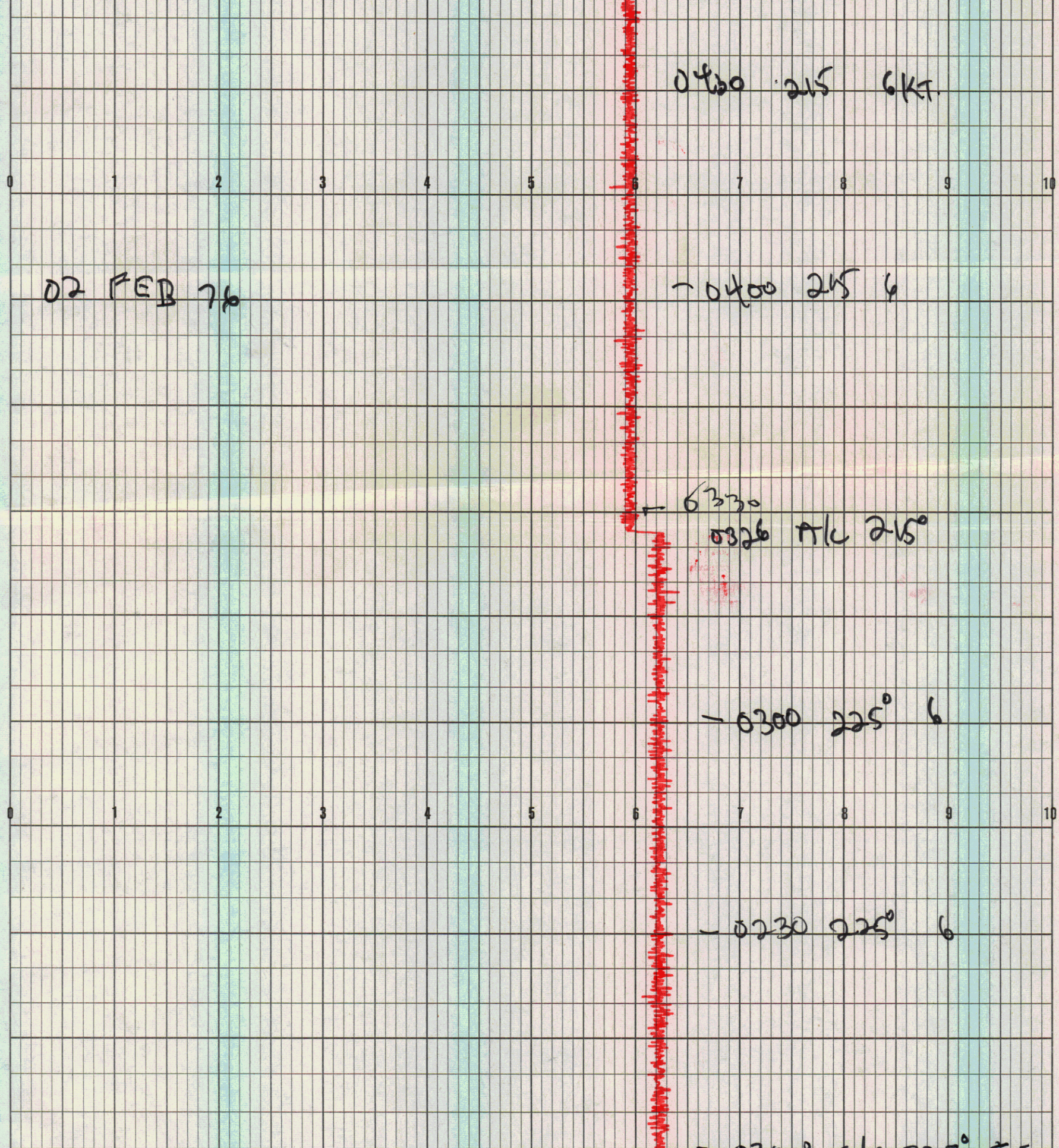

1800 220° 6KT.
0 1 2 3 4 5 6 7 8 9 10
1730 220° 6KT.
1700 220° 6KT.
1630 220° & 6KT.
0 1 2 3 4 5 6 7 8 9 10
02FEB 76
1600 220° 6KT.

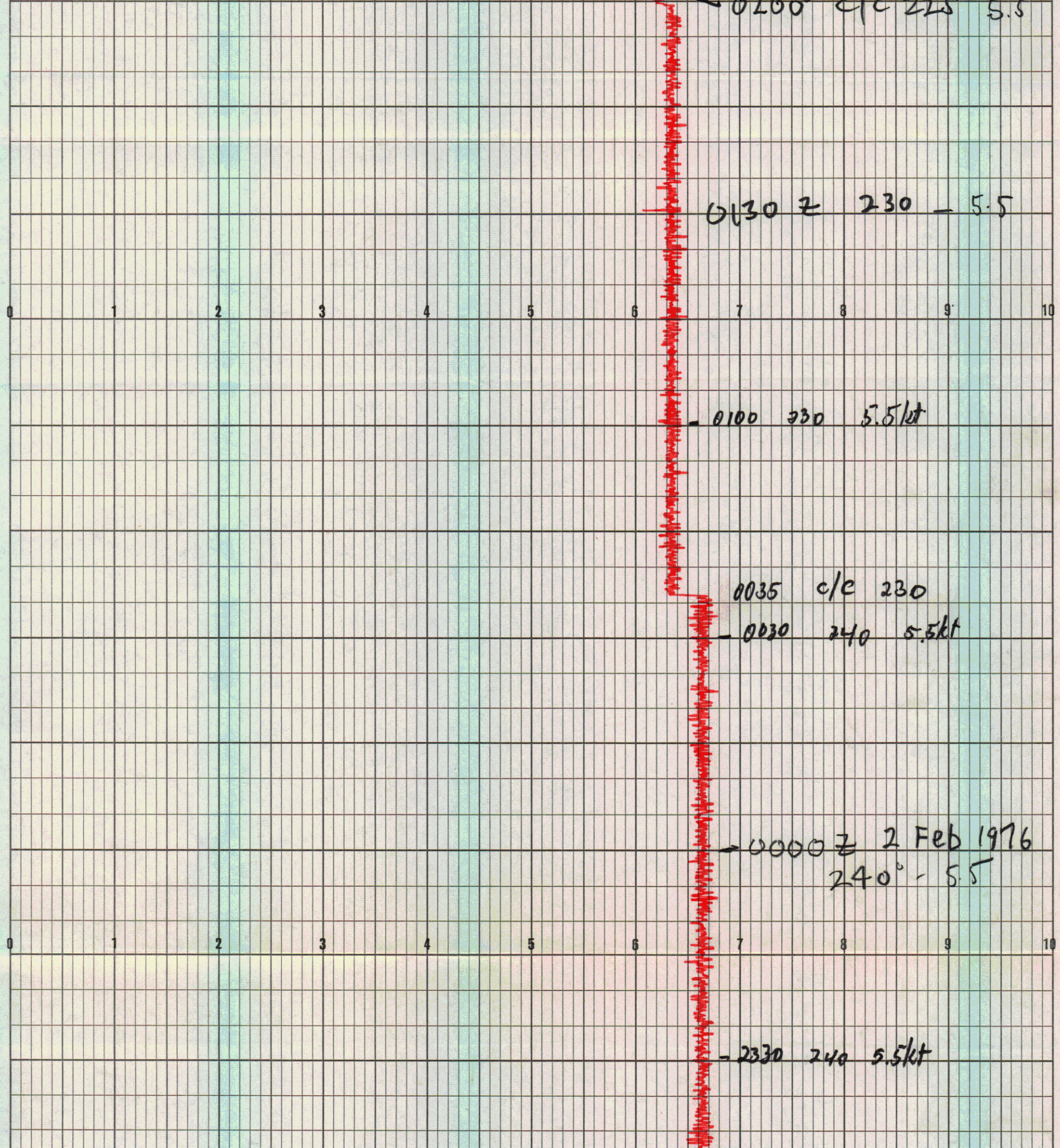

1530 220° 6KTS.
1516 A/C 220°
1500 225 6KT.
1430 225° 6KT.
1400 Z 225 - 6
1347 C/C 225
1330 Z - 230° - 6
1300 230 6kt
0
1
2
3
4
5
6
7
8
9
10

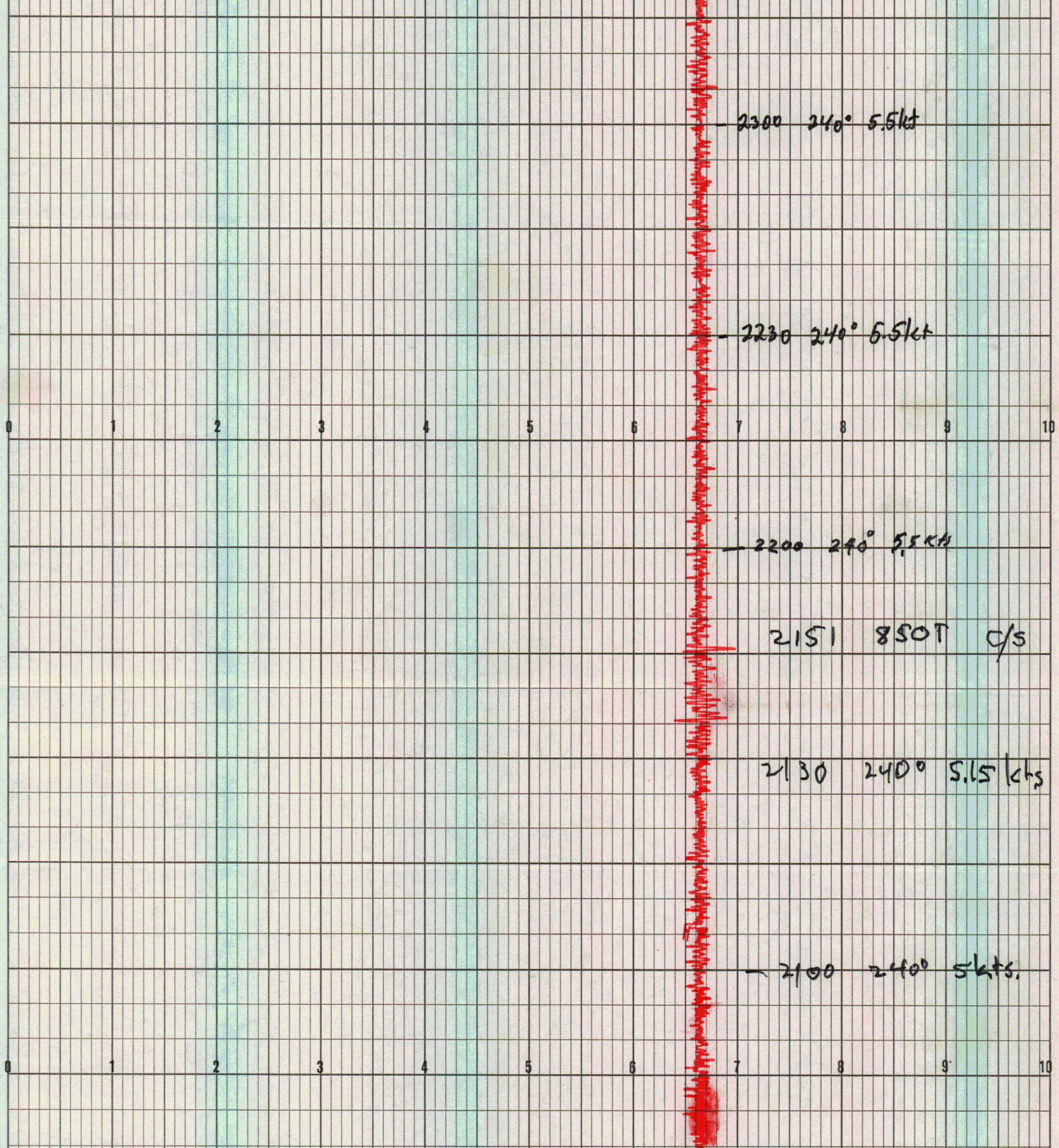

1230 230 6kt
2 Feb. '76
1200 C/C 230° - 6 kts
0 1 2 3 4 5 6 7 8 9 10
1130 220° 6kt
1100 220° 6kt.
1030 220° 6 kts
0 1 2 3 4 5 6 7 8 9 10

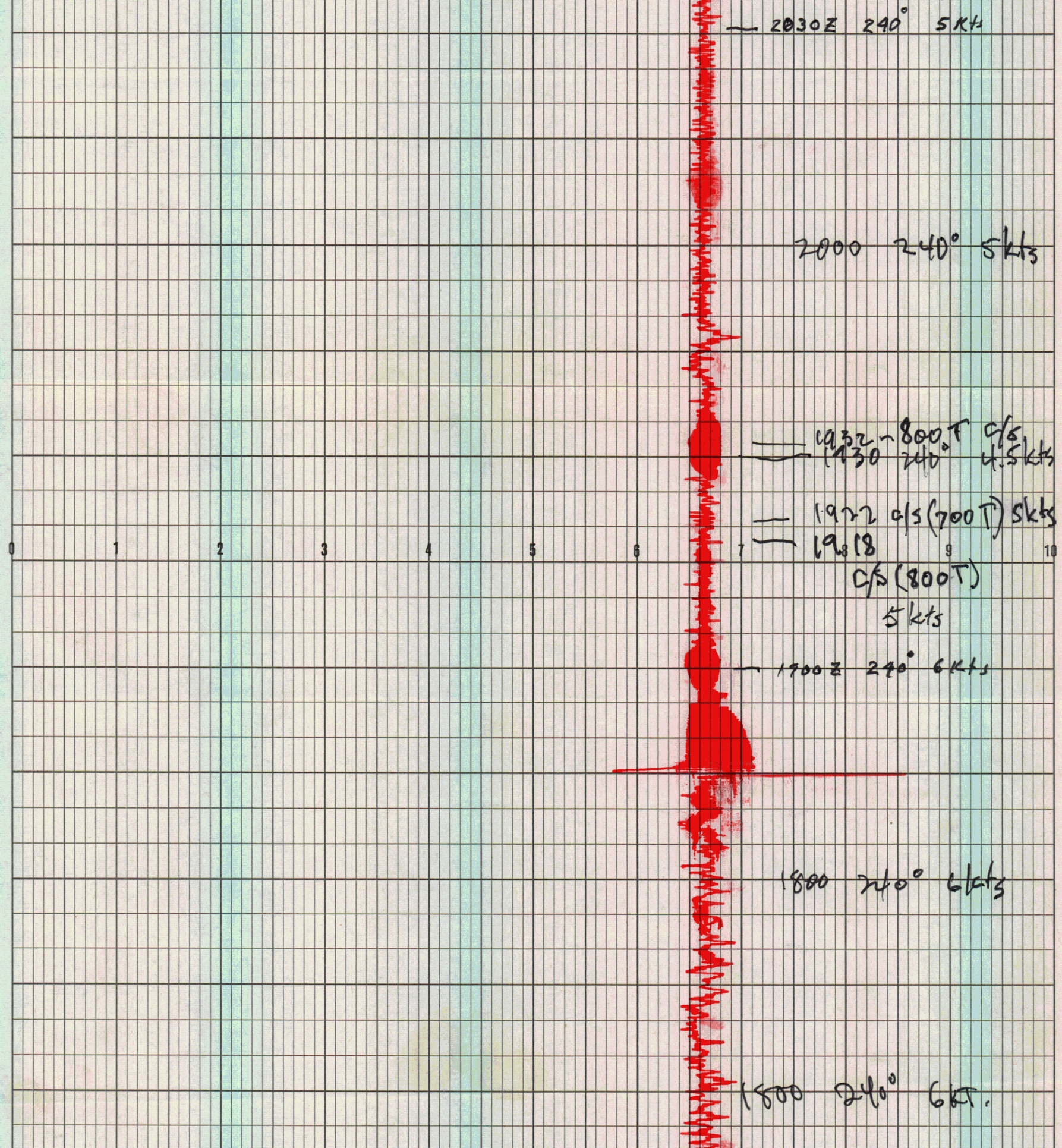

1000Z 6kts
0900Z 6kts
Avoiding ship ahead
0930 220° 6kts
0900 220° 6kts
0830 220° 6kts
0814Z C/C 220°
0800Z 225° 6kts
0730Z 225° 6kts
0 1 2 3 4 5 6 7 8 9 10

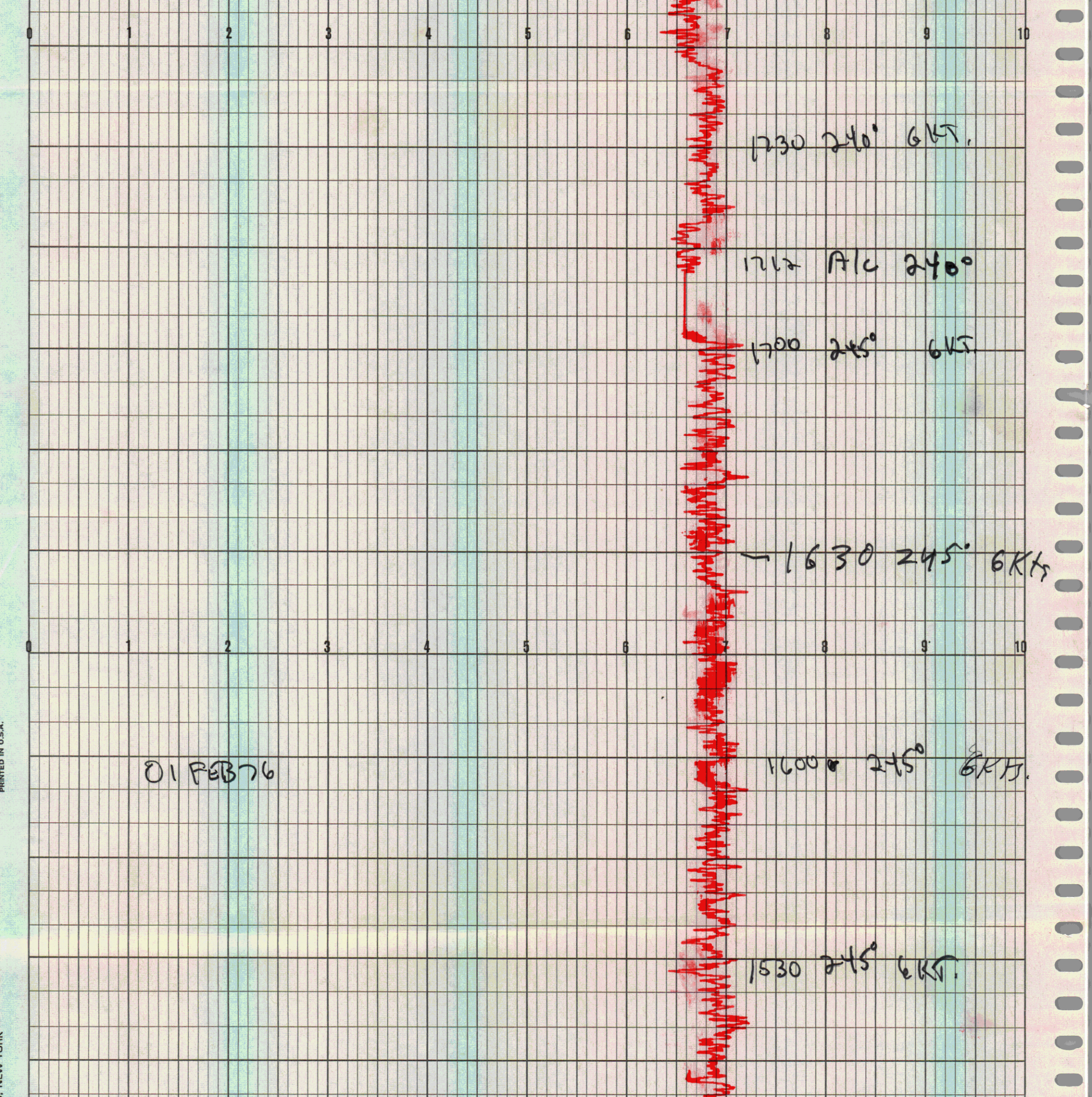

0
1
2
3
4
5
6
7
8
9
10
0700Z 225° 6 kts
0630Z 225° 6 kts
0626Z C/C 225°
0600 215° 6KT.
0530 215° 6KT.
0500 215 6KT.
0
1
2
3
4
5
6
7
8
9
10

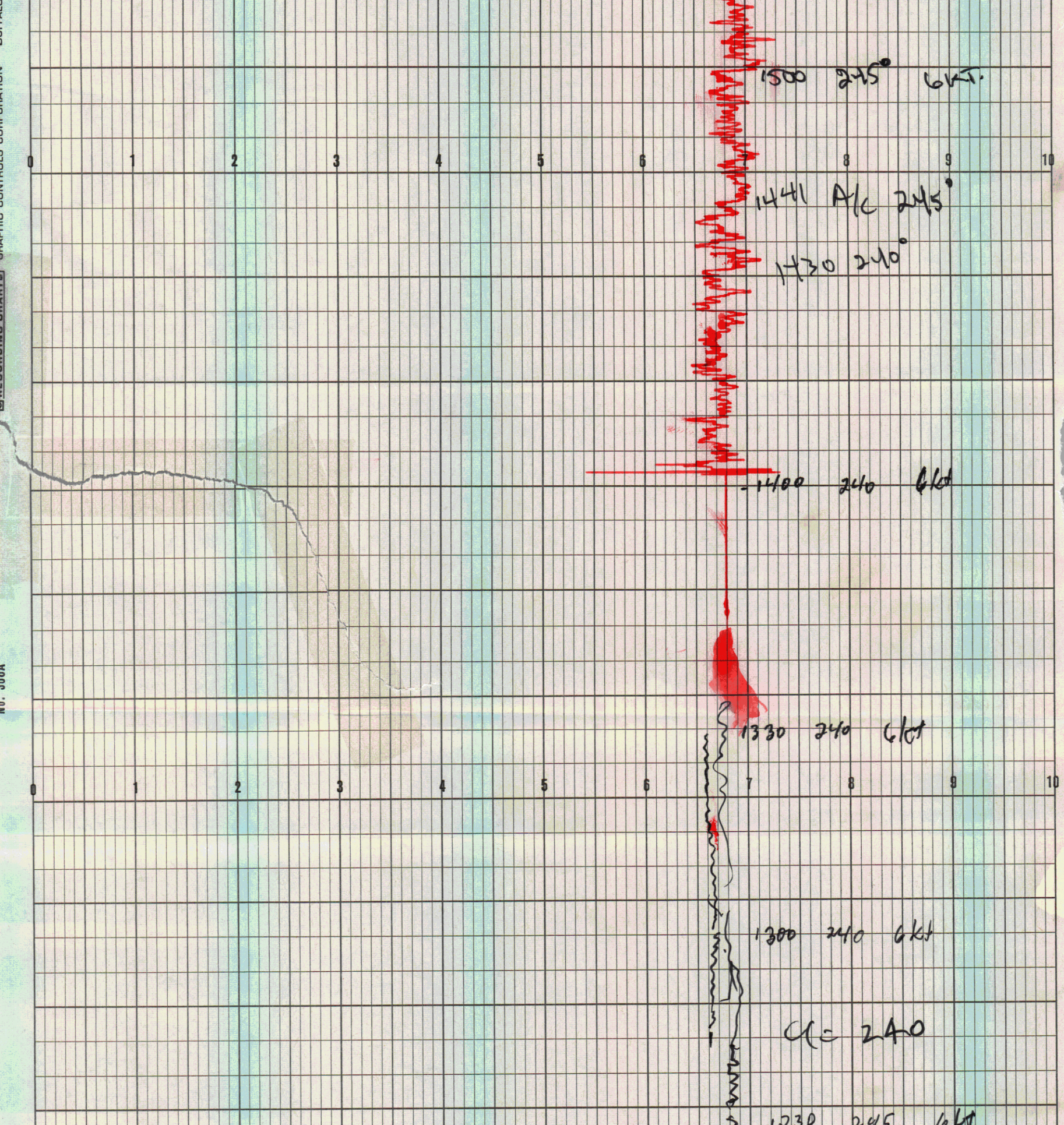

0430 245 6KT.
0 1 2 3 4 5 6 7 8 9 10
02 FEB 76
0400 245 6
0330
0326 A/C 245°
0300 225° 6
0 1 2 3 4 5 6 7 8 9 10
0230 225° 6

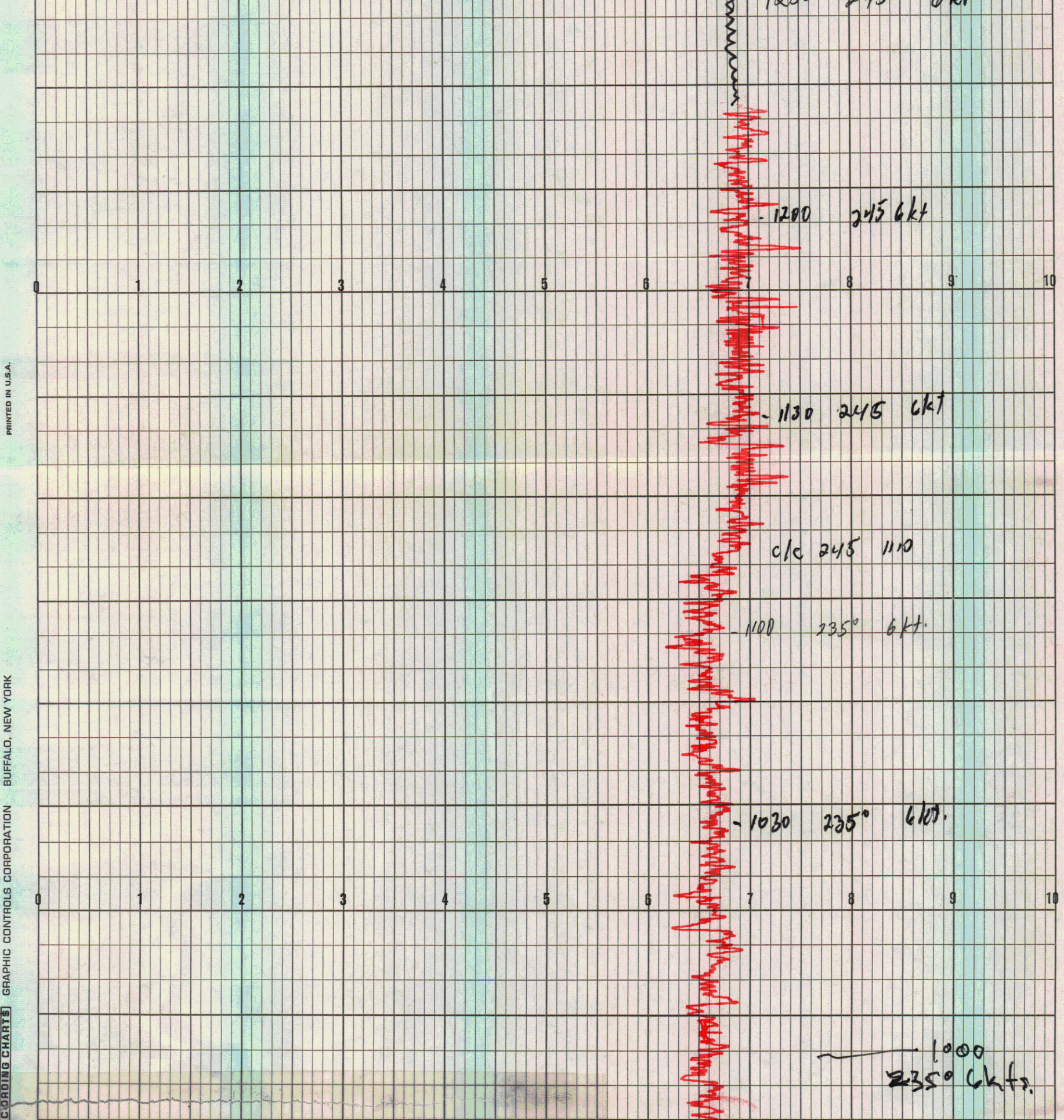

0200 c/c 225 5.5
0130 z 230 - 5.5
0100 230 5.5kt
0035 c/c 230
0030 240 5.5kt
0000 z 2 Feb 1976
240° - 5.5
2330 240 5.5kt
0 1 2 3 4 5 6 7 8 9 10


2300 240° 5.5kt
2230 240° 6.5kt
0 1 2 3 4 5 6 7 8 9 10
2200 240° 5.5kts
2151 850T C/S
2130 240° 5.15 kts
2100 240° 5kts.
0 1 2 3 4 5 6 7 8 9 10

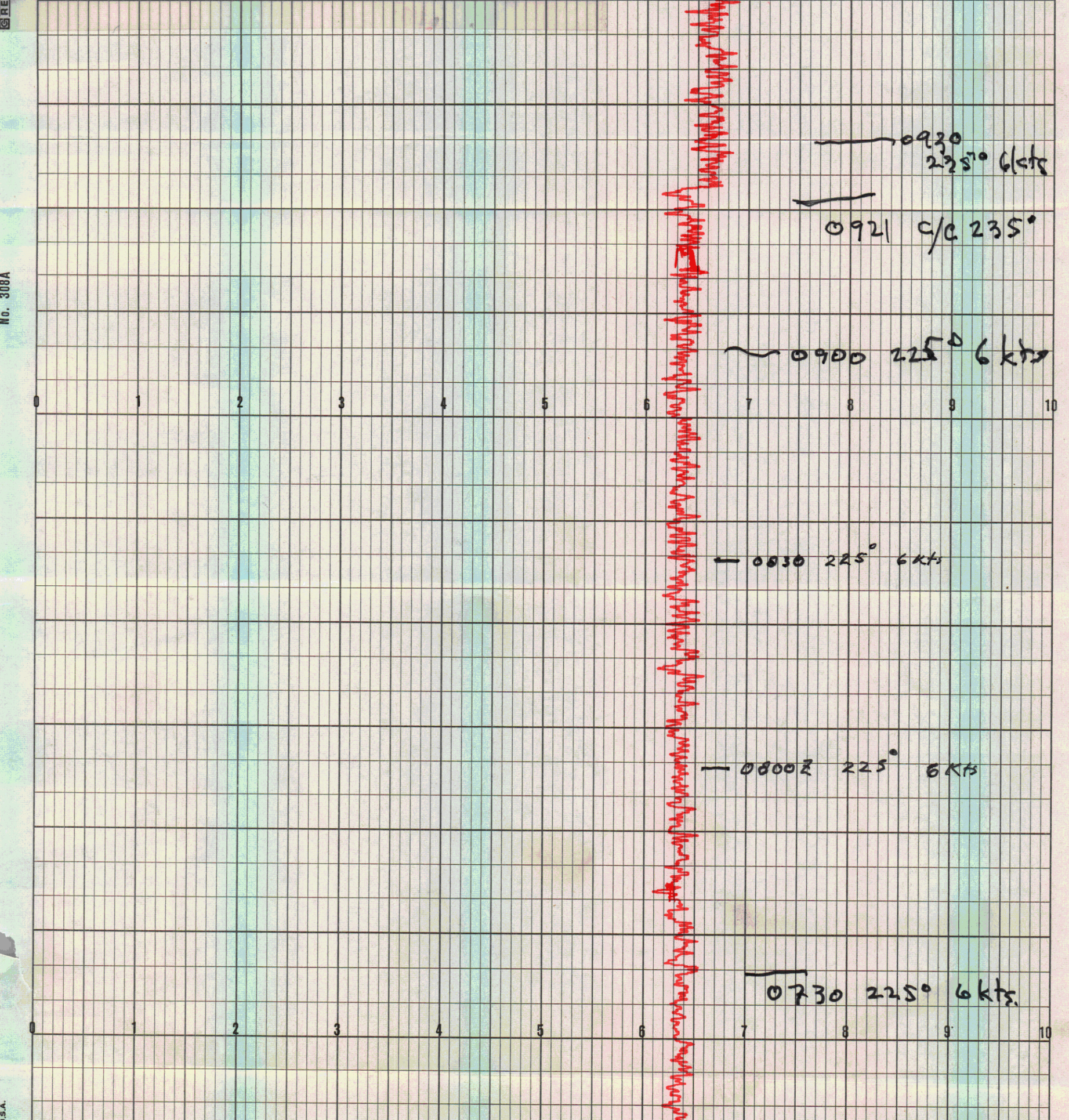

2030Z 240° 5Kts
2000 240° 5kts
1932 - 800T c/s
1430 240° 4.5kts
1932 c/s (700T) 5kts
1918
c/s (800T)
5 kts
1900Z 240° 6Kts
1800 240° 6kts
1800 240° 6kt.
0
1
2
3
4
5
6
7
9
10

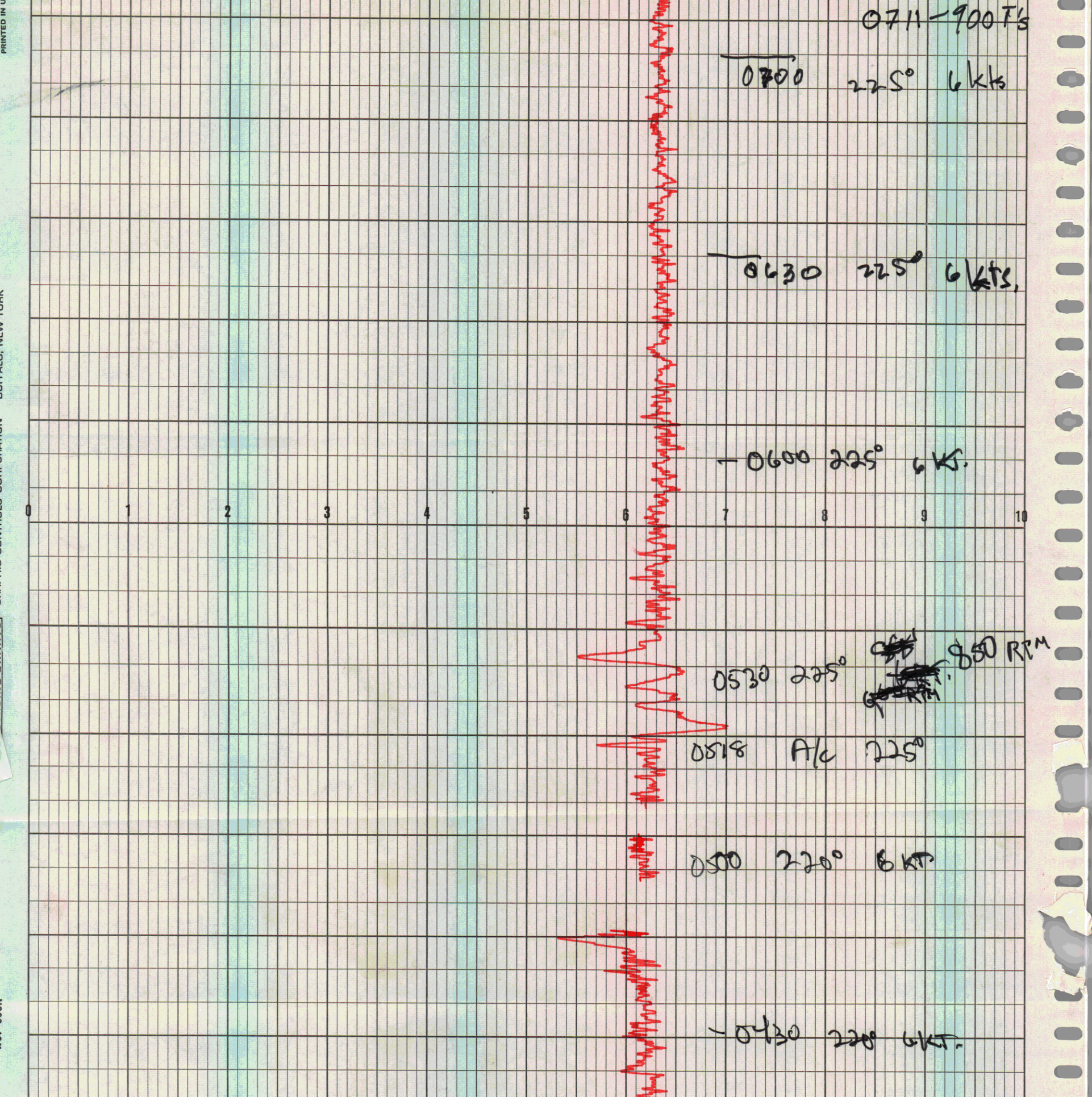

0 1 2 3 4 5 6 7 8 9 10
1730 240° 6KT.
1712 A/C 240°
1700 245° 6KT.
1630 245° 6KTS
0 1 2 3 4 5 6 7 8 9 10
01 FEB 76
1600 245° 6KTS.
1530 245° 6KTS.

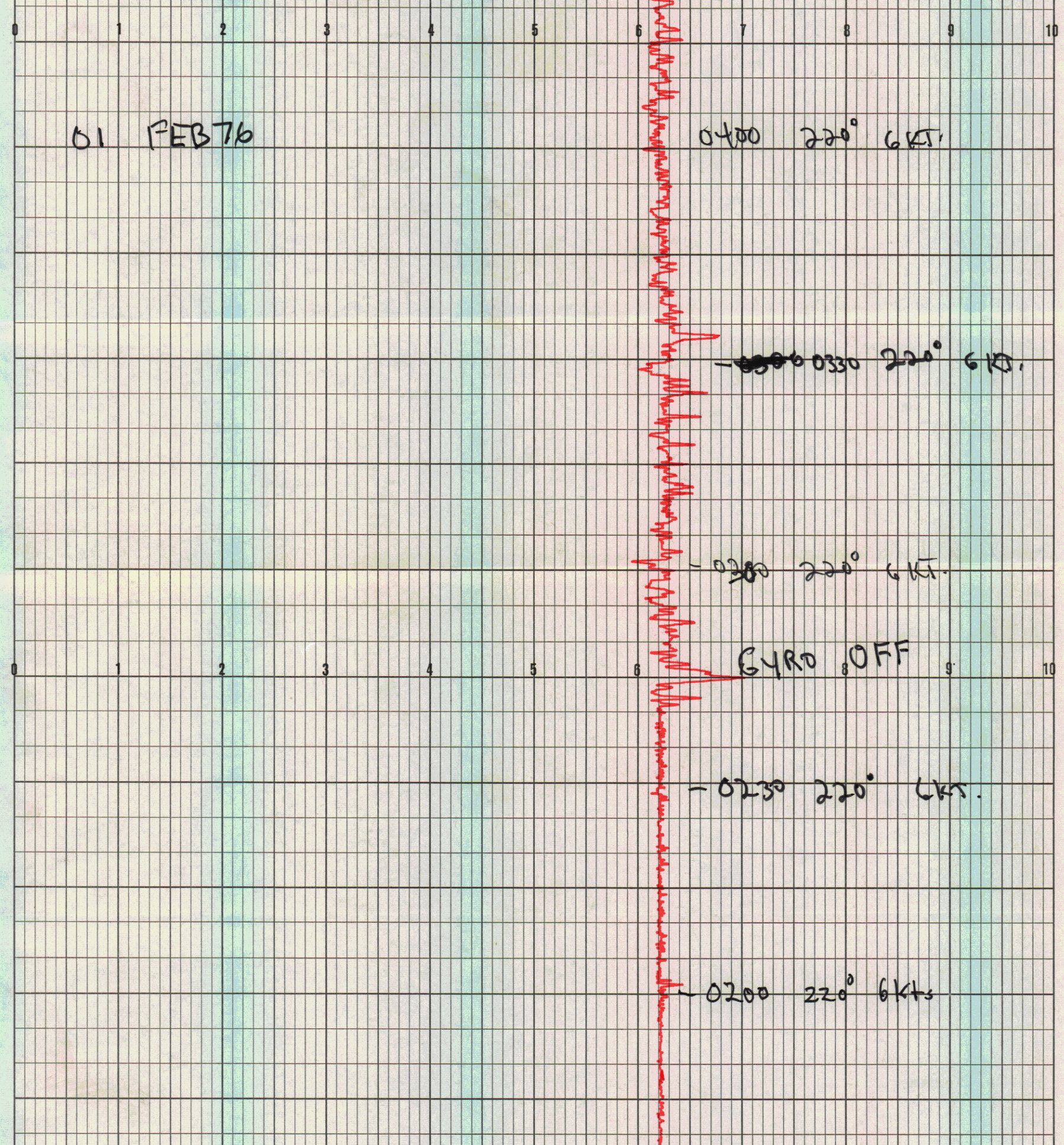

1500 275° 6KT.
1441 A/C 245°
1430 240°
1400 240 6kt
1330 240 6kt
1300 240 6kt
C/C 240
1230 245 6kt

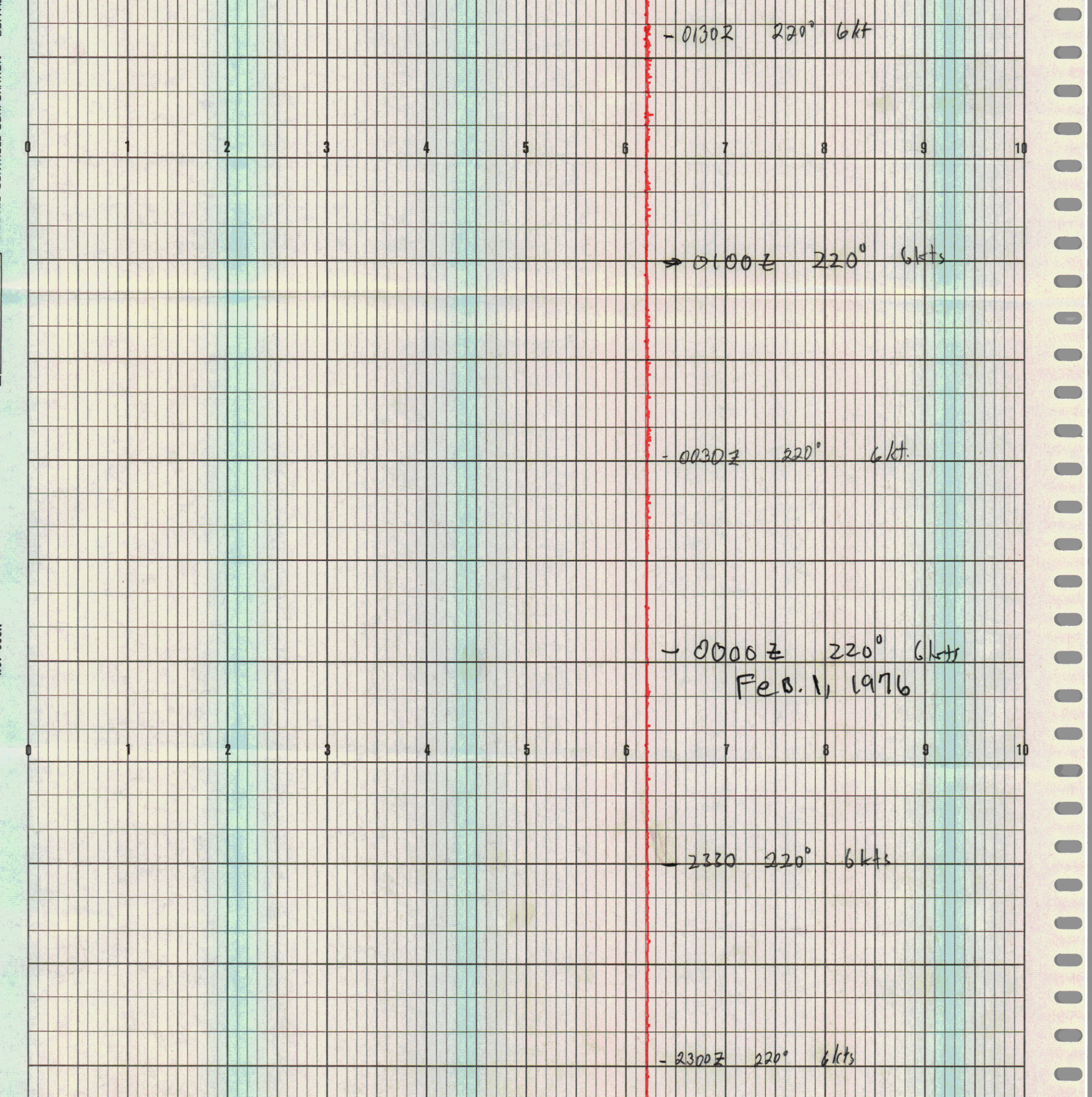


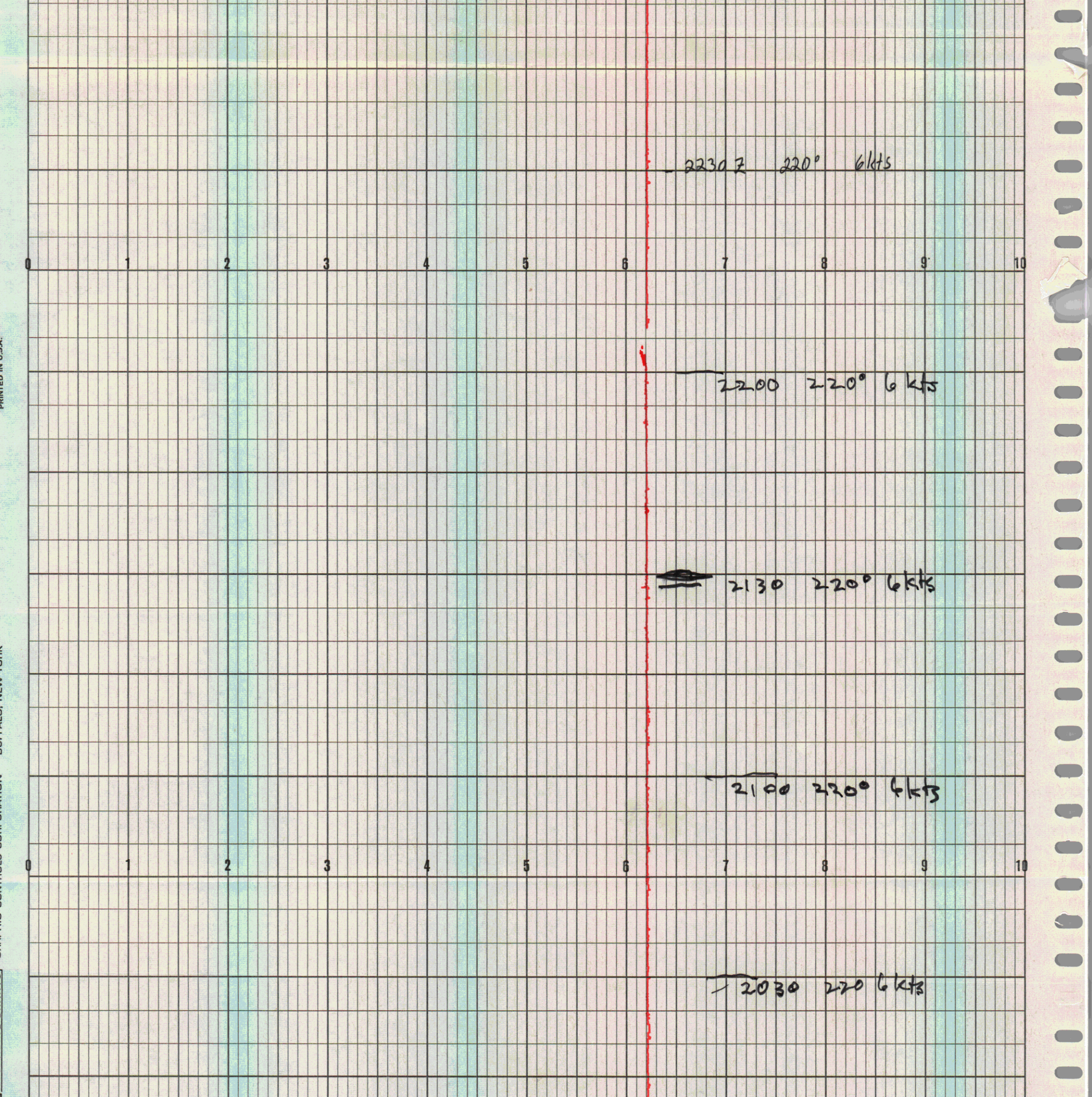
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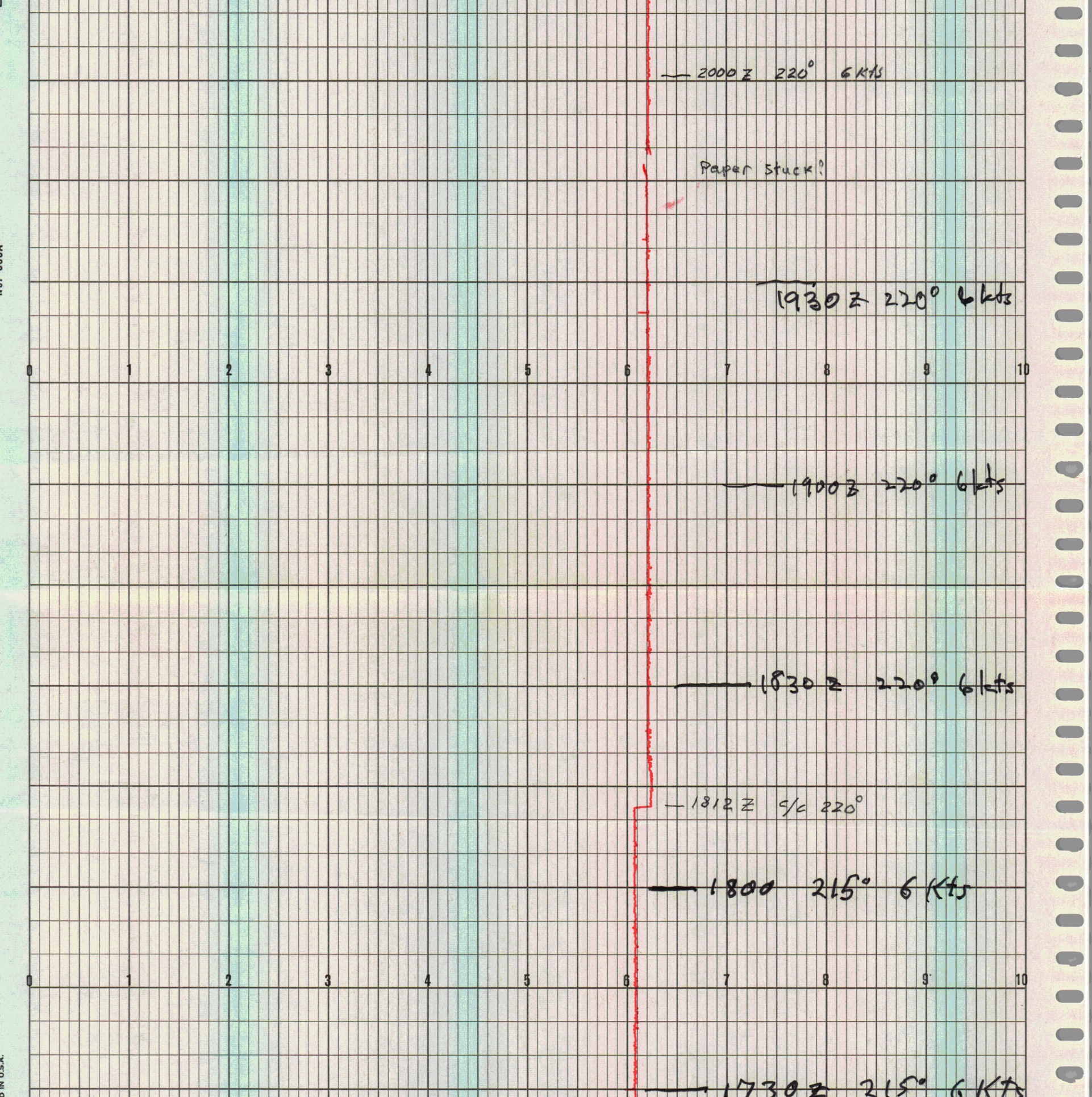

0920
235° 6kts
0921 C/C 235°
0900 225° 6 kts
0 1 2 3 4 5 6 7 8 9 10
0830 225° 6 kts
0800Z 225° 6 kts
0730 225° 6 kts.
0 1 2 3 4 5 6 7 8 9 10

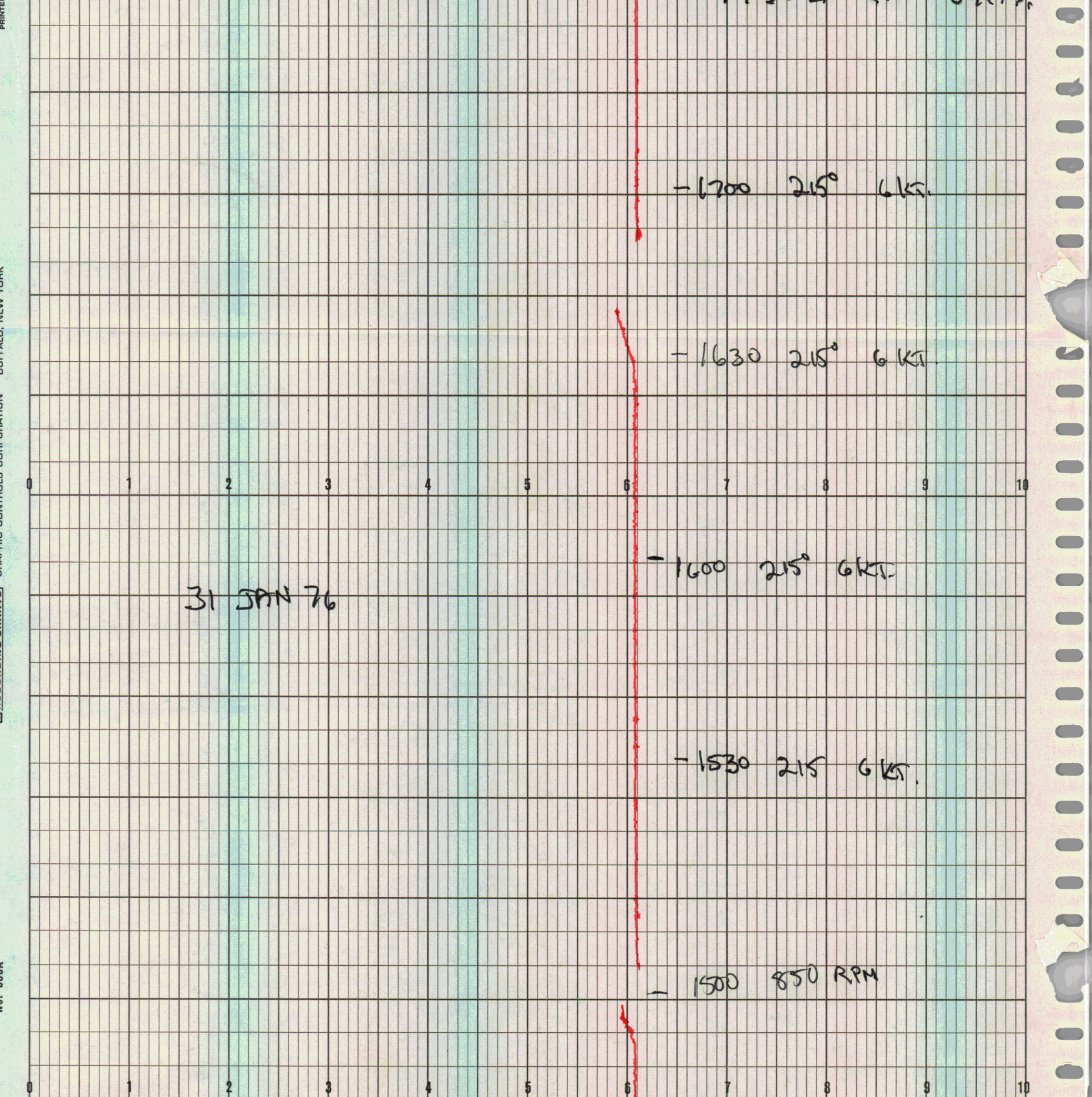

0711 – 900 T's
0700 225° 6 kts
0630 225° 6 kts.
– 0600 225° 6 kts.
0 1 2 3 4 5 6 7 8 9 10
0530 225° 850 RPM
0518 A/C 225°
0500 220° 6 KT.
– 0430 220° 6 KT.

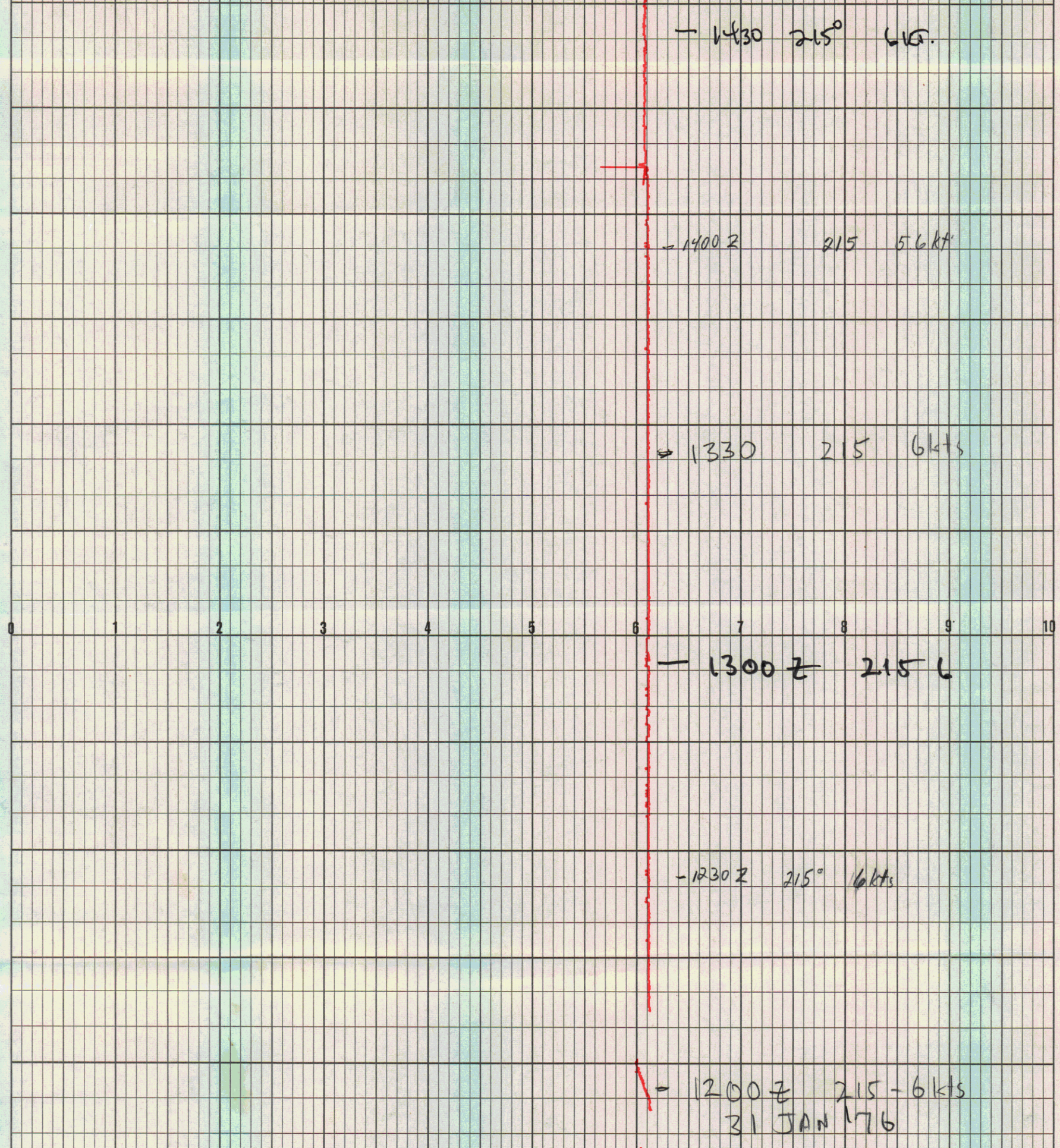

01 FEB 76
0400 220° 6 KT.
0330 220° 6 KT.
220° 6 KT.
GYRO OFF
0230 220° 6 KT.
0200 220° 6 KTs


- 0130Z 220° 6kt
0 1 2 3 4 5 6 7 8 9 10
→ 0100Z 220° 6kts
- 0030Z 220° 6kt.
- 0000Z 220° 6kts
Feb. 1, 1976
0 1 2 3 4 5 6 7 8 9 10
- 2330 220° 6kts
- 2300Z 220° 6kts

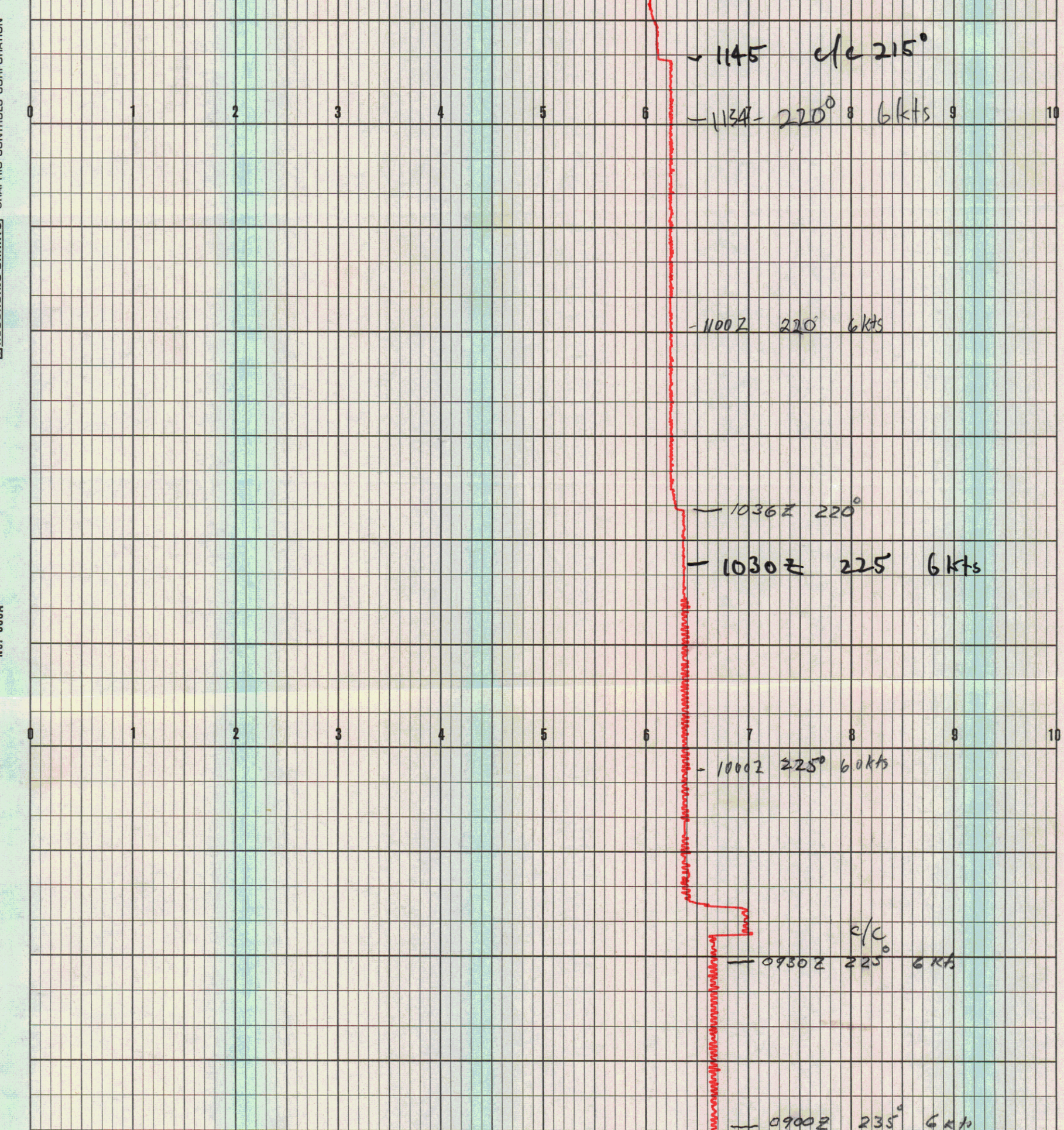

2230Z 220° 6kts
2200 220° 6 kts
2130 220° 6kts
2100 220° 6kts
2030 220 6 kts
0 1 2 3 4 5 6 7 8 9 10
0 1 2 3 4 5 6 7 8 9 10

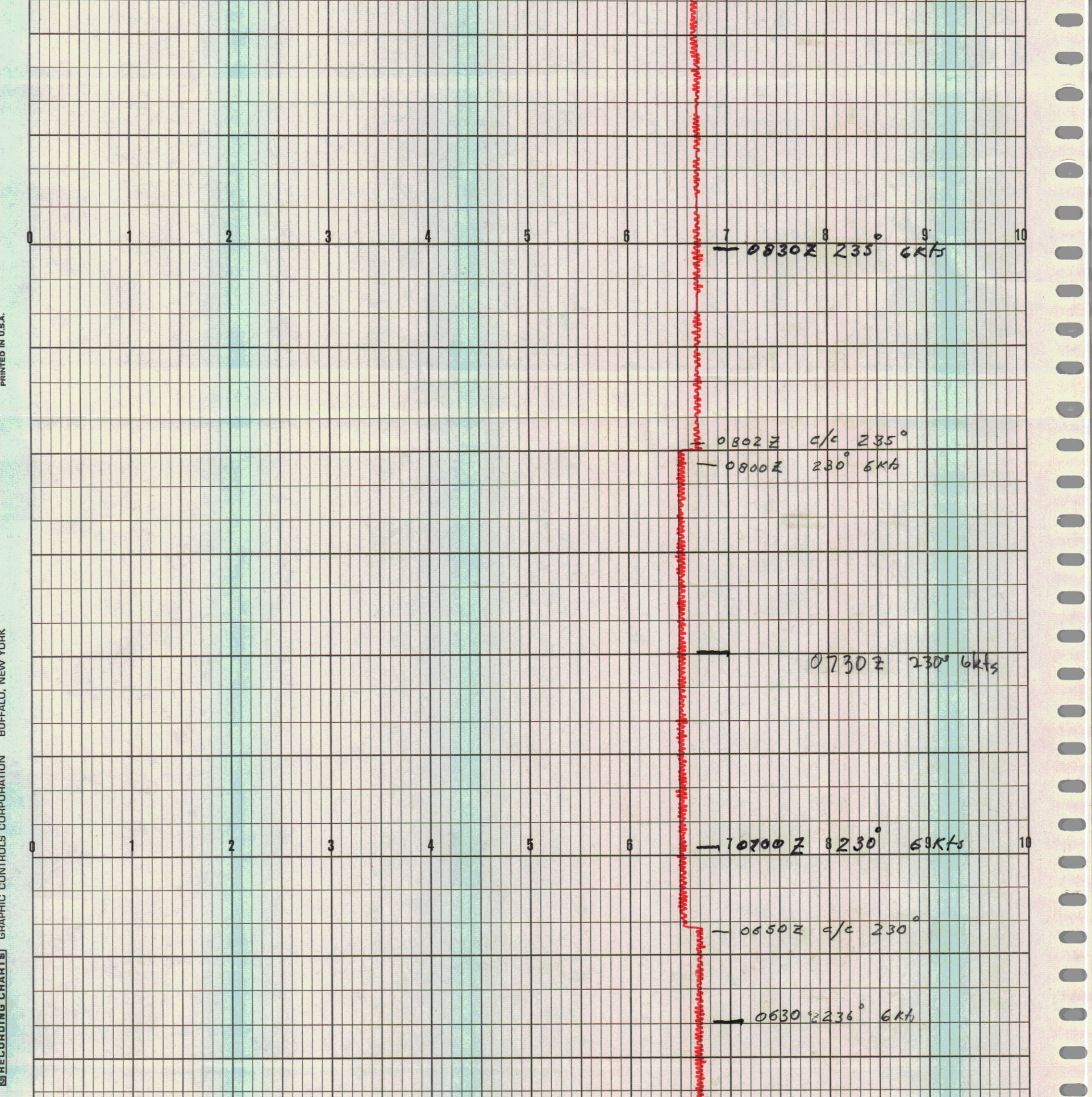

2000 Z 220° 6 Kts
Paper stuck!
1930 Z 220° 6 kts
0 1 2 3 4 5 6 7 8 9 10
1900 Z 220° 6 kts
1830 Z 220° 6 kts
1812 Z C/C 220°
1800 215° 6 Kts
0 1 2 3 4 5 6 7 8 9 10
1730 Z 215° 6 Kts


-1700 215° 6 KT.
-1630 215° 6 KT.
-1600 215° 6 KT.
31 JAN 76
-1530 215 6 KT.
-1500 850 RPM
0
1
2
3
4
5
6
7
8
9
10

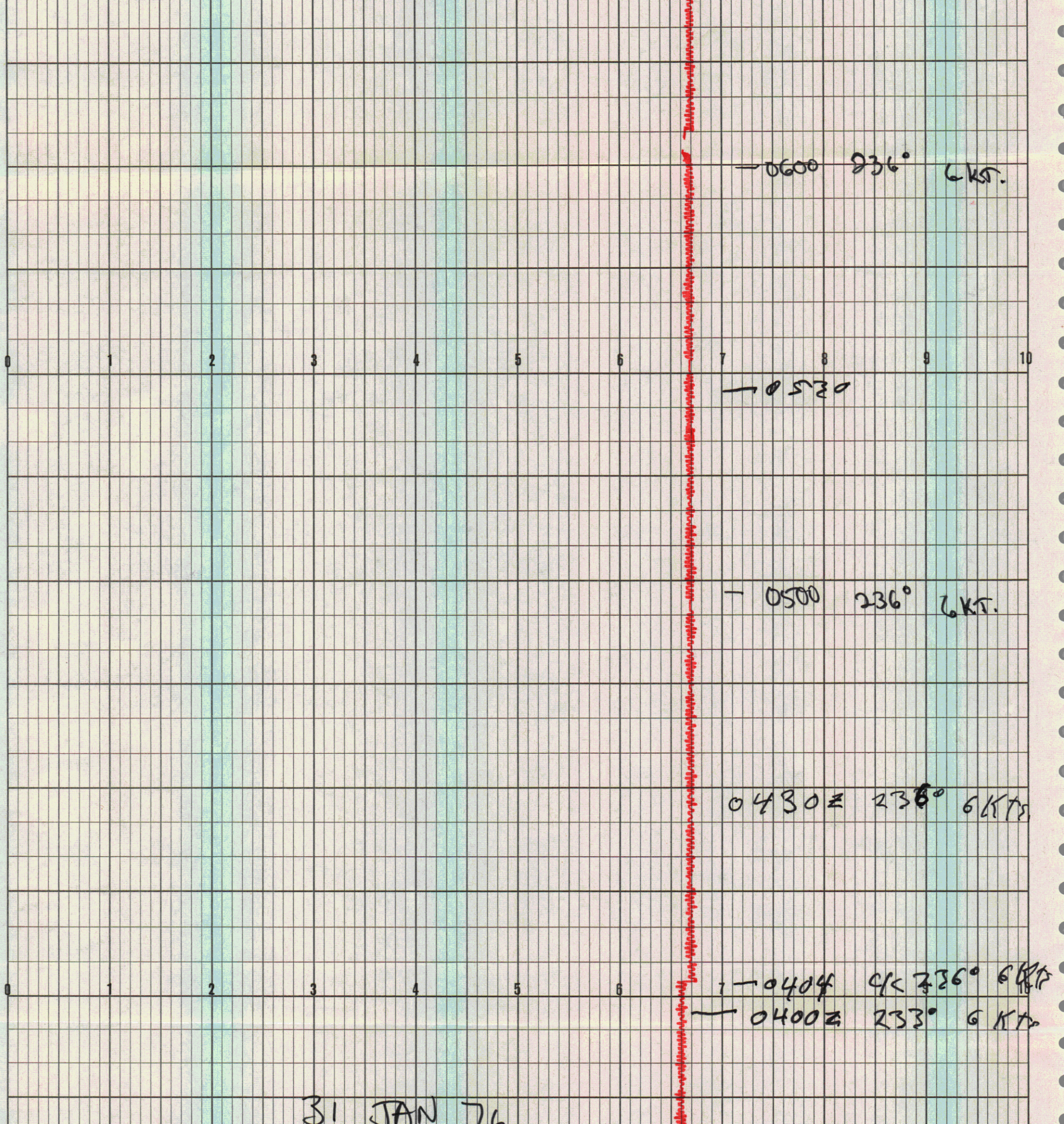


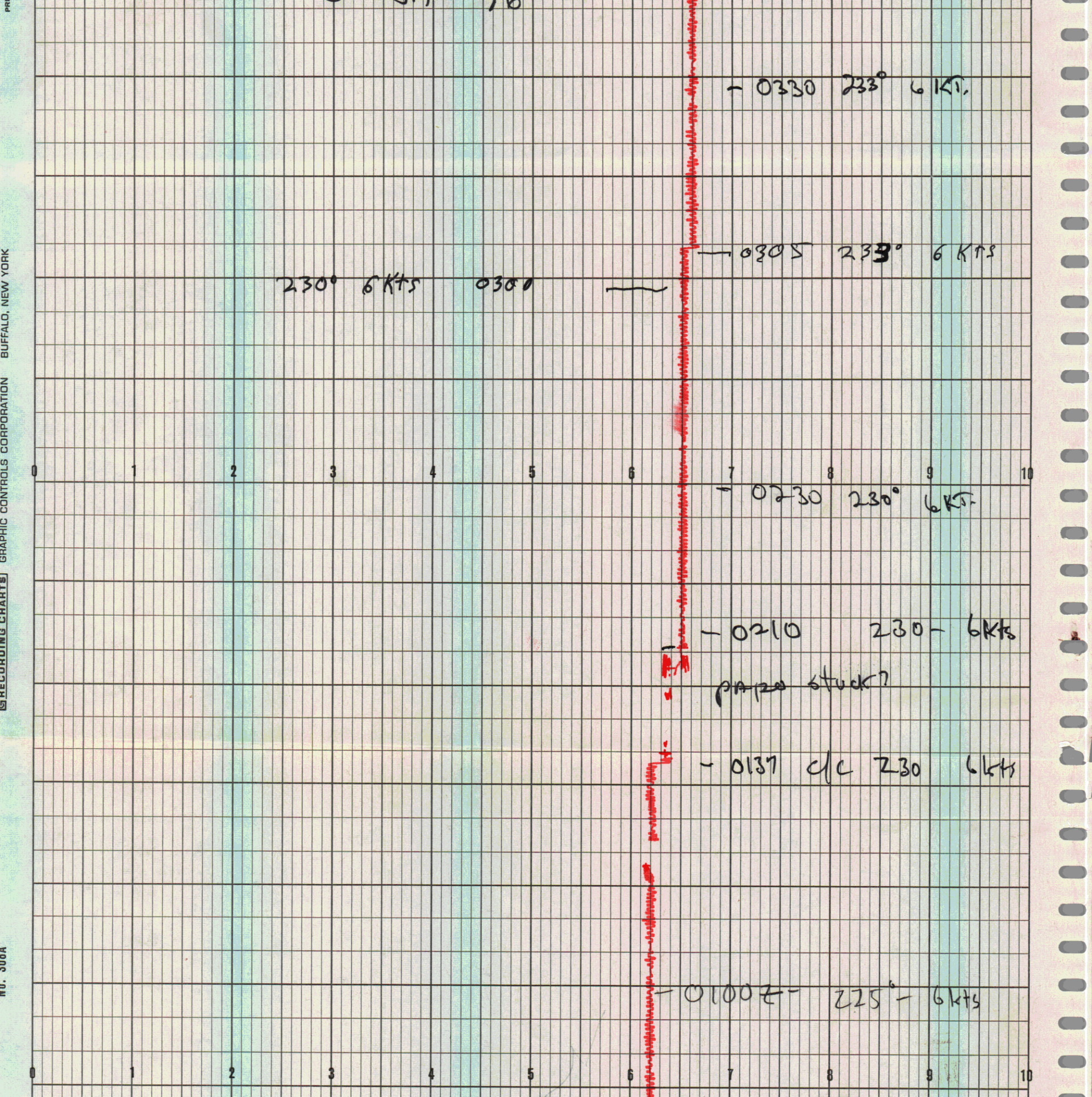
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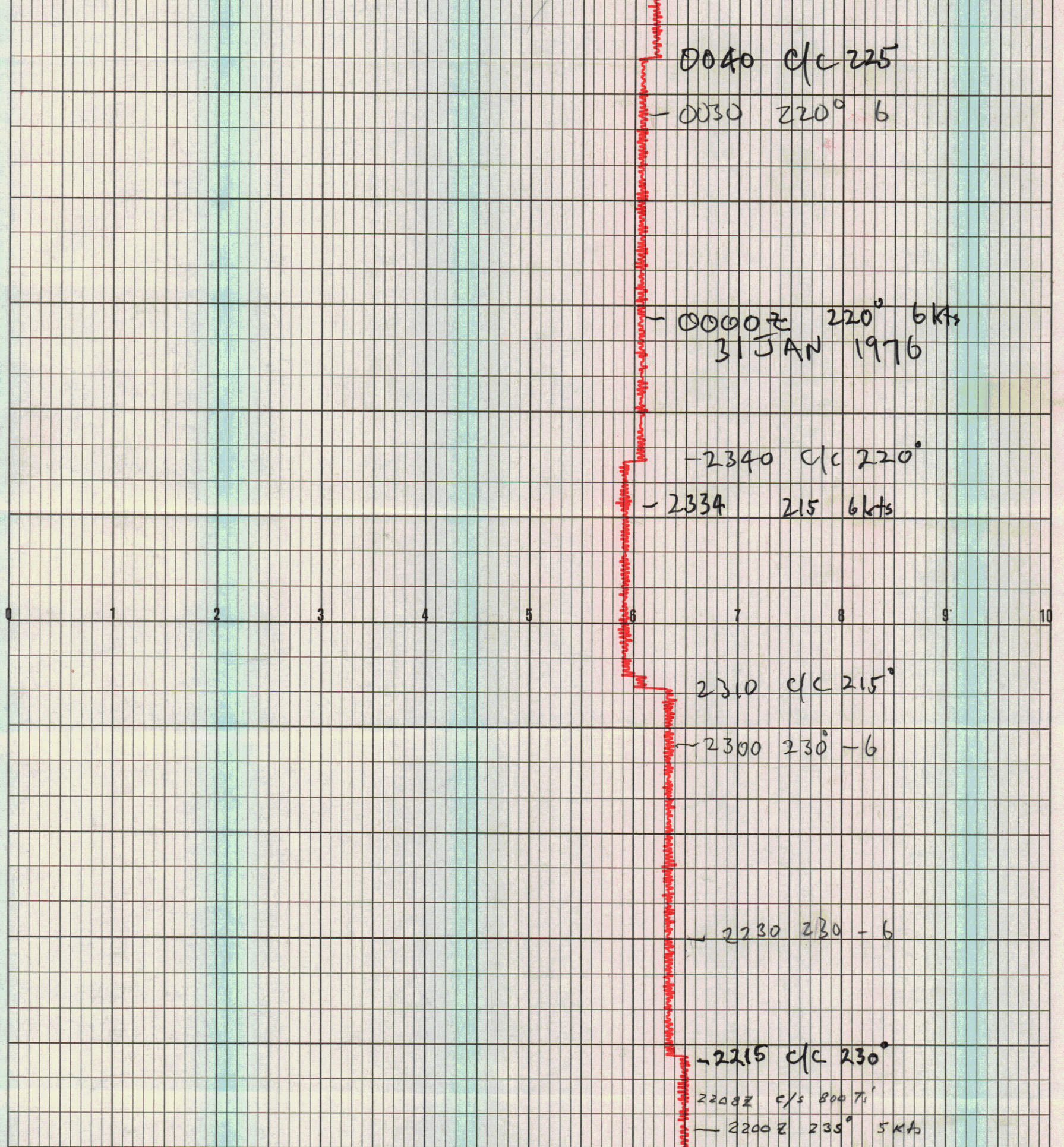

1145 c/c 215°
1134 220° 6kts
1100Z 220° 6kts
1036Z 220°
1030Z 225° 6kts
1000Z 225° 6kts
C/C
0930Z 225° 6kts
0900Z 235° 6kts
0 1 2 3 4 5 6 7 8 9 10



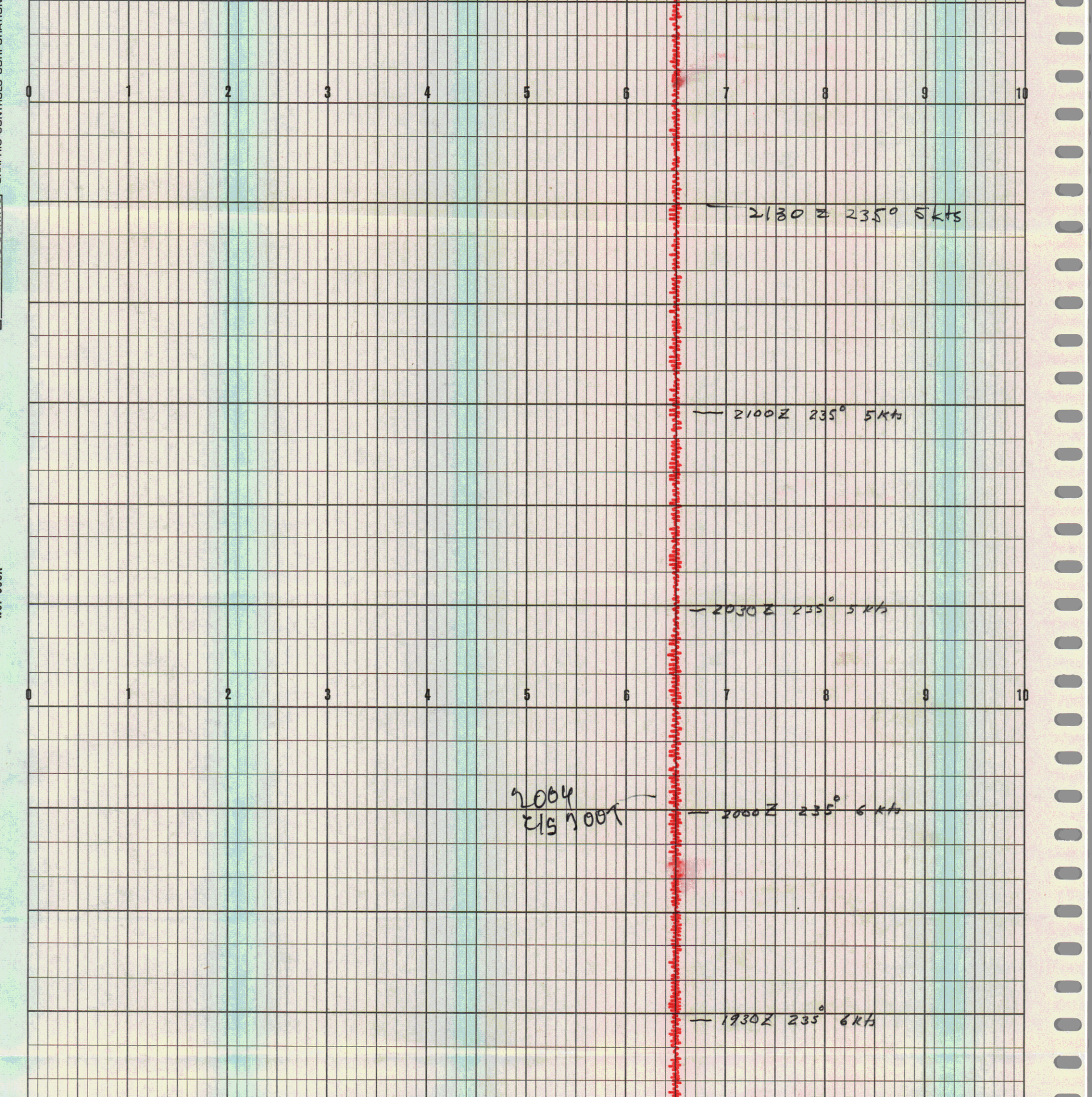
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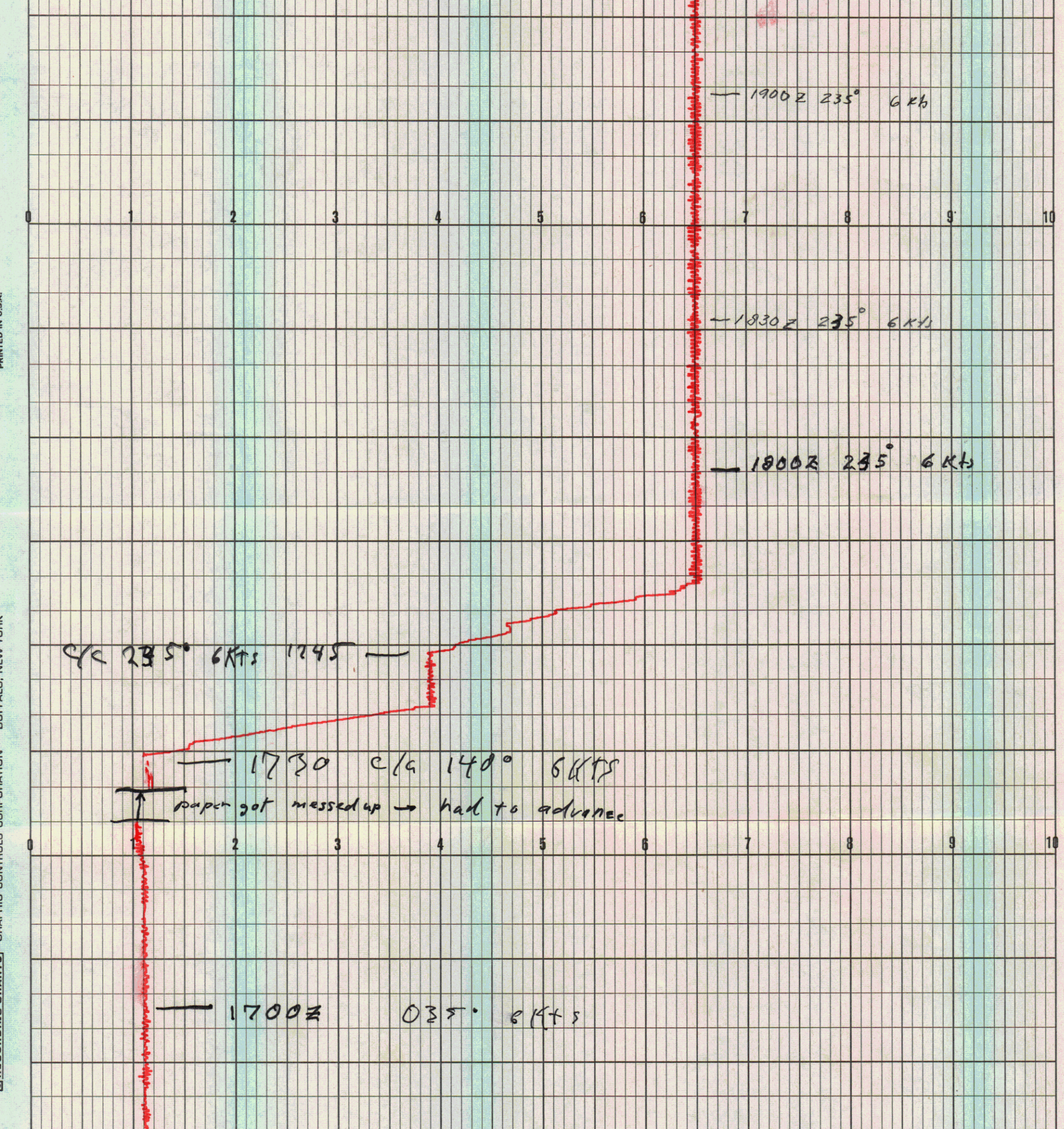

0600 236° 6KT.
0530
0500 236° 6KT.
0430Z 236° 6KTS
0404 C/C 236° 6KTS
0400Z 233° 6 KTS
31 JAN 76

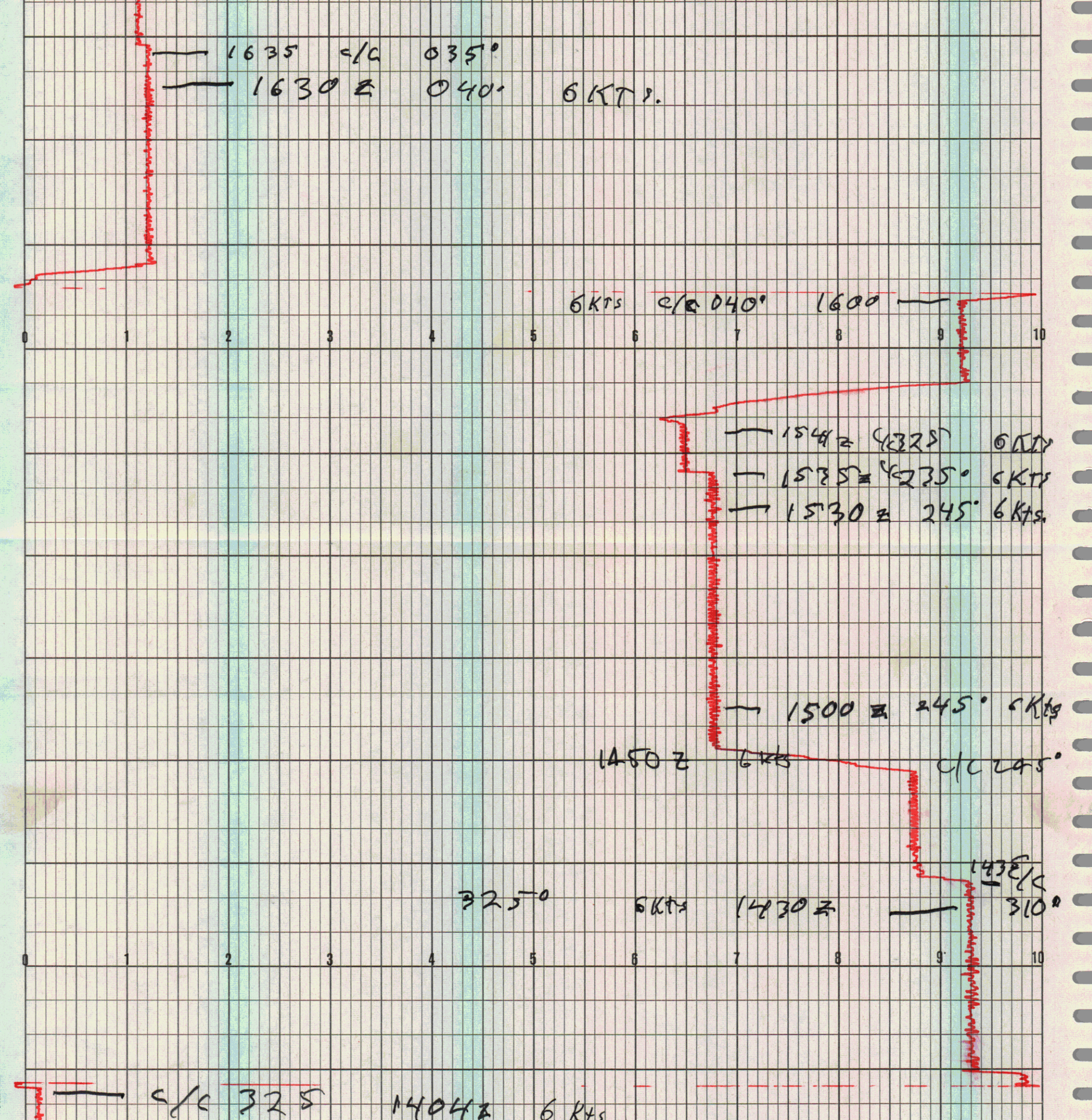

0330 233° 6 KTS.
0305 233° 6 KTS
230° 6 KTS 0300
0230 230° 6 KTS.
0210 230° 6 KTS
paper stuck?
0137 c/c 230 6 KTS
0100± 225° 6 KTS
0 1 2 3 4 5 6 7 8 9 10
0 1 2 3 4 5 6 7 8 9 10
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NO. 506A



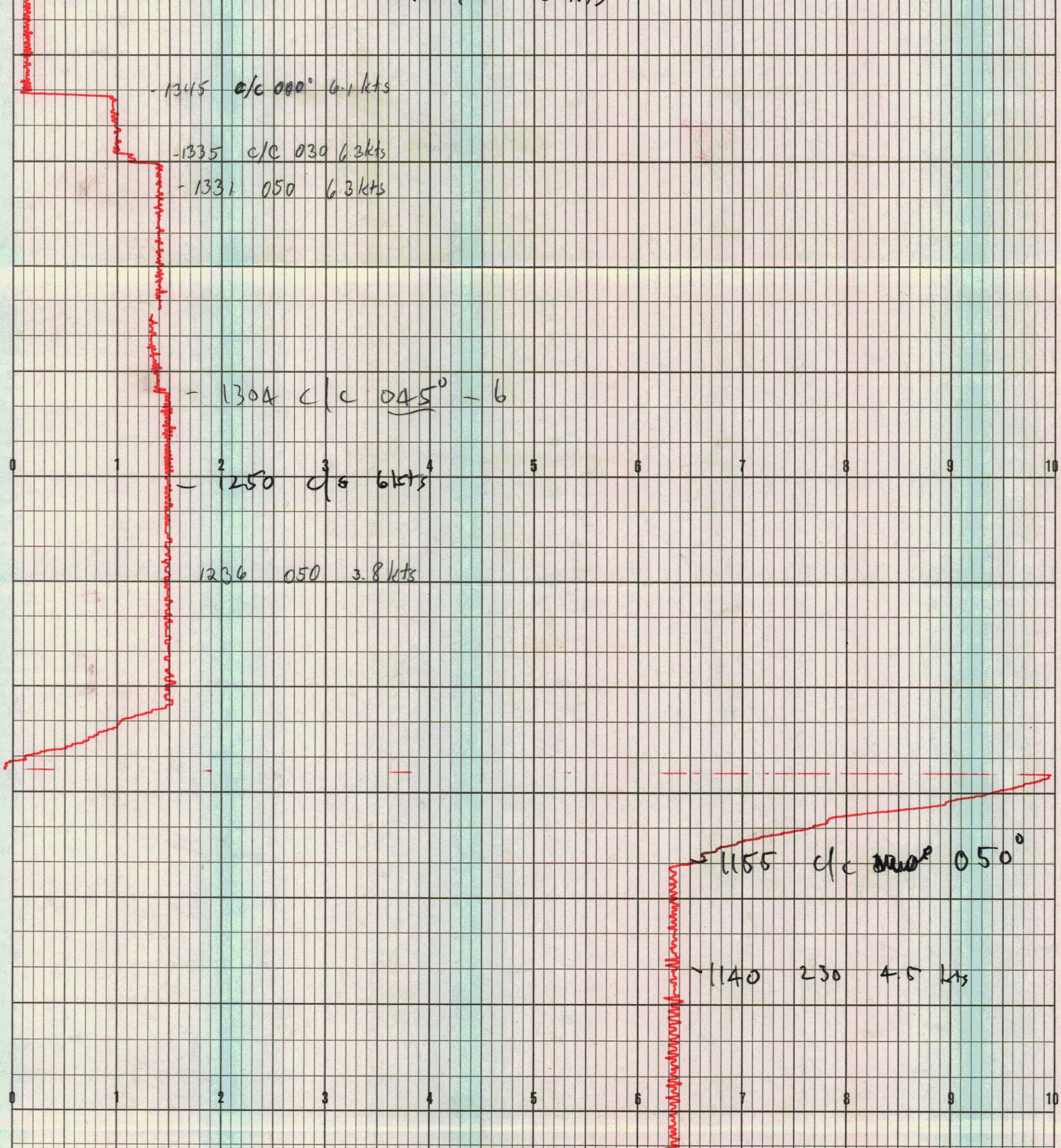
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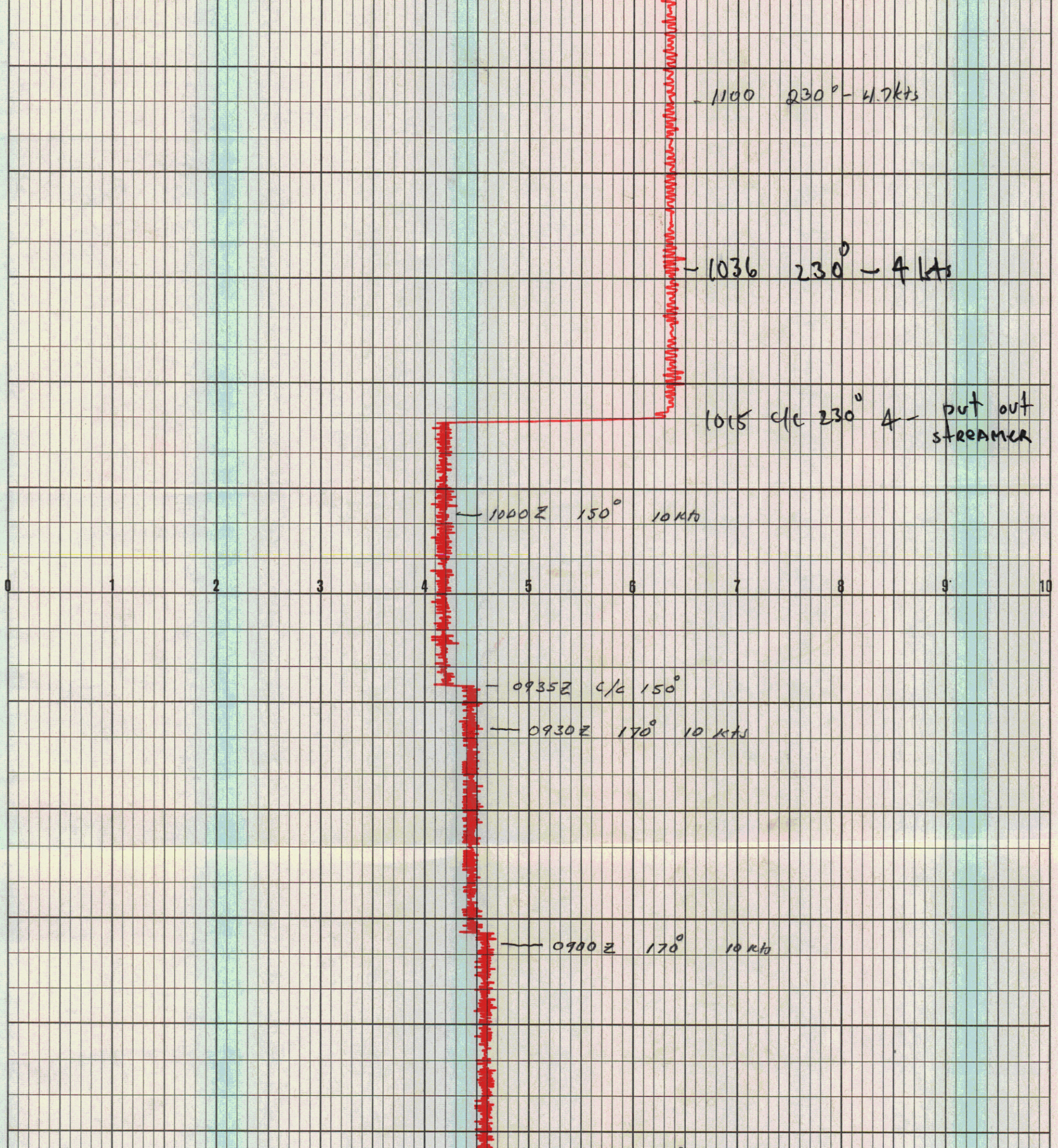

0
1
2
3
4
5
6
7
8
9
10
2130Z 235° 5kts
2100Z 235° 5kts
2030Z 235° 5kts
2004
2015Z
2000Z 235° 6kts
1930Z 235° 6kts

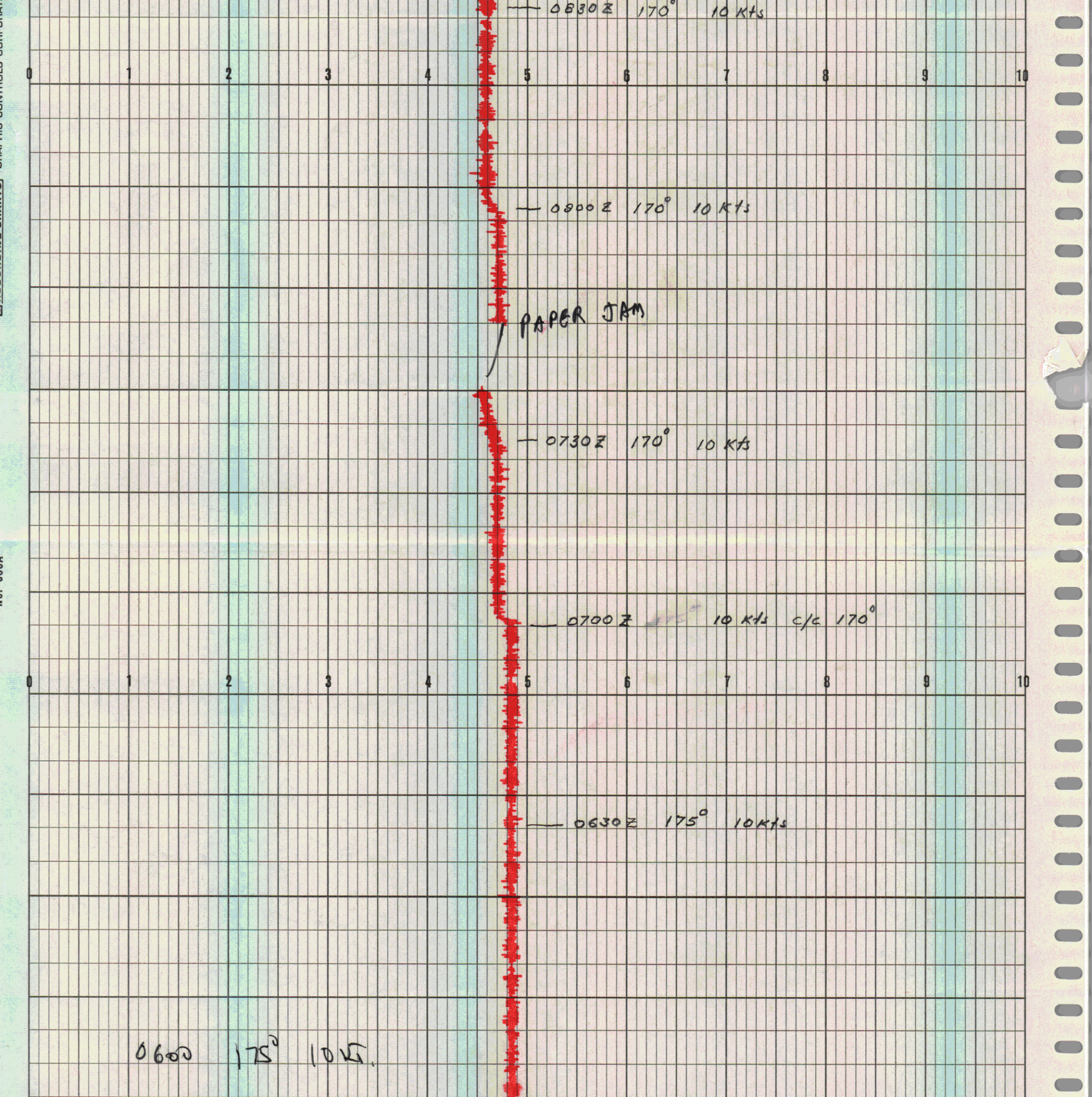

1900Z 235° 6 kts
1830Z 235° 6 kts
1800Z 235° 6 kts
C/C 235° 6 kts 1745
1730 C/C 140° 6 kts
paper got messed up → had to advance
1700Z 035° 6 kts

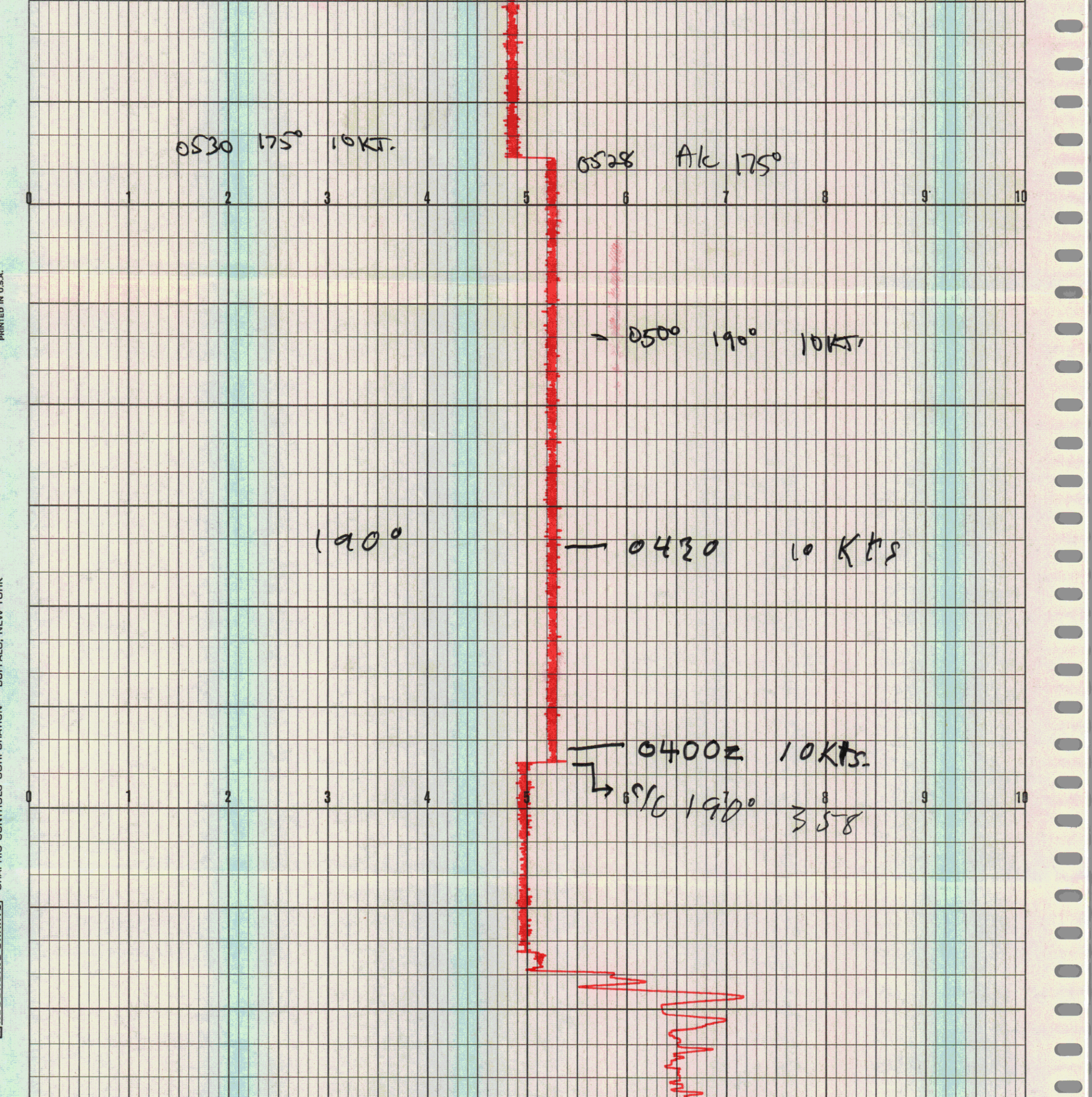


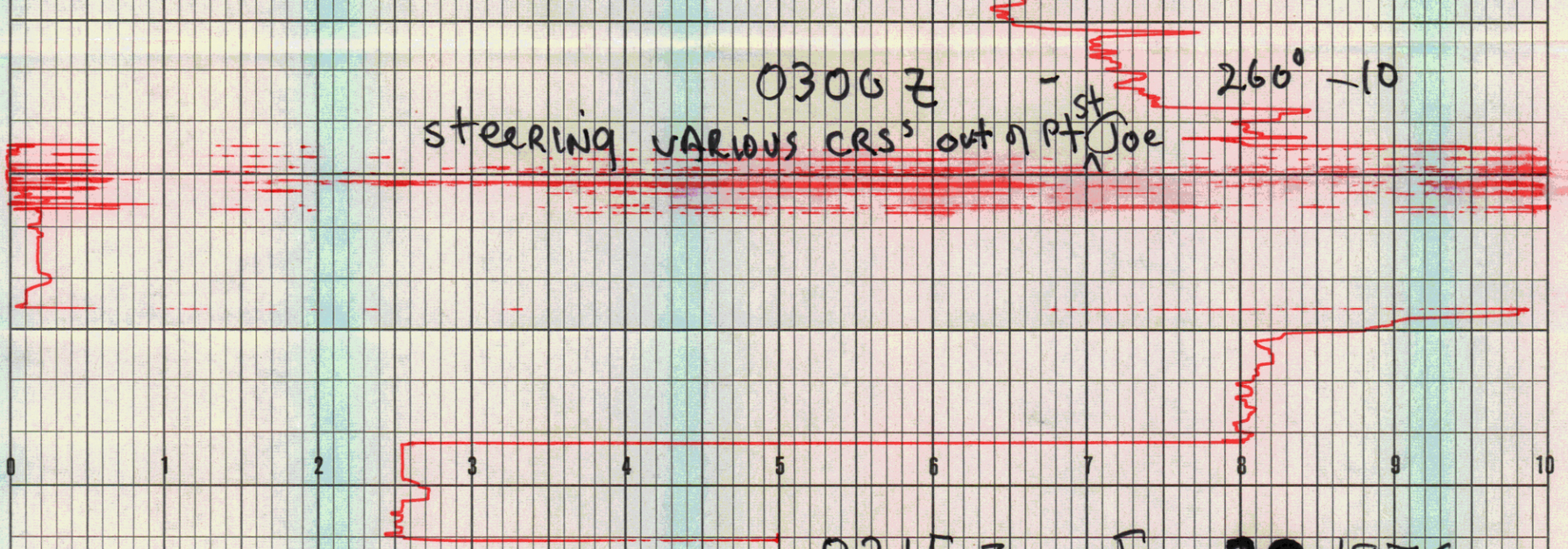
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- 1345 c/c 000° 6.1 kts
-1335 c/c 030 6.3kts
- 1331 050 6.3kts
- 1304 c/c 045° - 6
0
1
2
3
4
5
6
7
8
9
10
- 1250 c/s 6kts
1236 050 3.8 kts
~1155 c/c 000° 050°
~1140 230 4.5 kts
0
1
2
3
4
5
6
7
8
9
10


1100 230° - 4.7kts
1036 230° - 4 kts
1015 c/c 230° 4 - put out streamer
1000Z 150° 10 kts
0935Z c/c 150°
0930Z 170° 10 kts
0900Z 170° 10 kts
0
1
2
3
4
5
6
7
8
9
10


0830Z 170° 10 Kts
0800Z 170° 10 Kts
PAPER JAM
0730Z 170° 10 Kts
0700Z 10 Kts C/C 170°
0630Z 175° 10 Kts
0600 175° 10 Kts.
0
1
2
3
4
5
6
7
8
9
10


0530 175° 10KT.
0528 Alt 175°
0500 190° 10KT.
190°
0430 10 Kts
0400Z 10Kts.
C/O 190°
358



0 1 2 3 4 5 6 7 8 9 10

0215 Z Jan. 30, 1976

CRUISE Ids Green (IG) 16-3

0 1 2 3 4 5 6 7 8 9 10

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