

Geology
GJBX-(79)-124

GEOLOGY

GJBX-124 '79

AERIAL RADIOMETRIC AND MAGNETIC SURVEY

BRIGHAM CITY

NATIONAL TOPOGRAPHIC MAP

UTAH

PREPARED FOR THE U.S. DEPARTMENT OF ENERGY

GRAND JUNCTION OFFICE

GRAND JUNCTION, COLORADO

UNDER SMALL BUSINESS ADMINISTRATION SUBCONTRACT NO. SB0308(a) 77-C-508

WITH

GEO-LIFE, A JOINT VENTURE

BETWEEN

HIGH LIFE HELICOPTERS, INC.

PUYALLUP, WASHINGTON

AND

GEODATA INTERNATIONAL, INC.

DALLAS, TEXAS



Geodata International, Inc.

7035 JOHN W. CARPENTER FRWY.
DALLAS, TEXAS 75247

VOL. 2

CAUTION

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Do not release any part of this
publication before

GEOLOGICAL SURVEY OF WYOMING

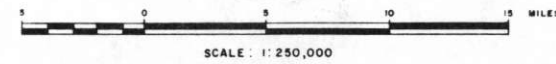
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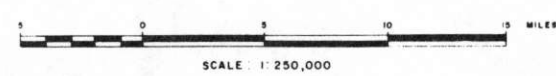
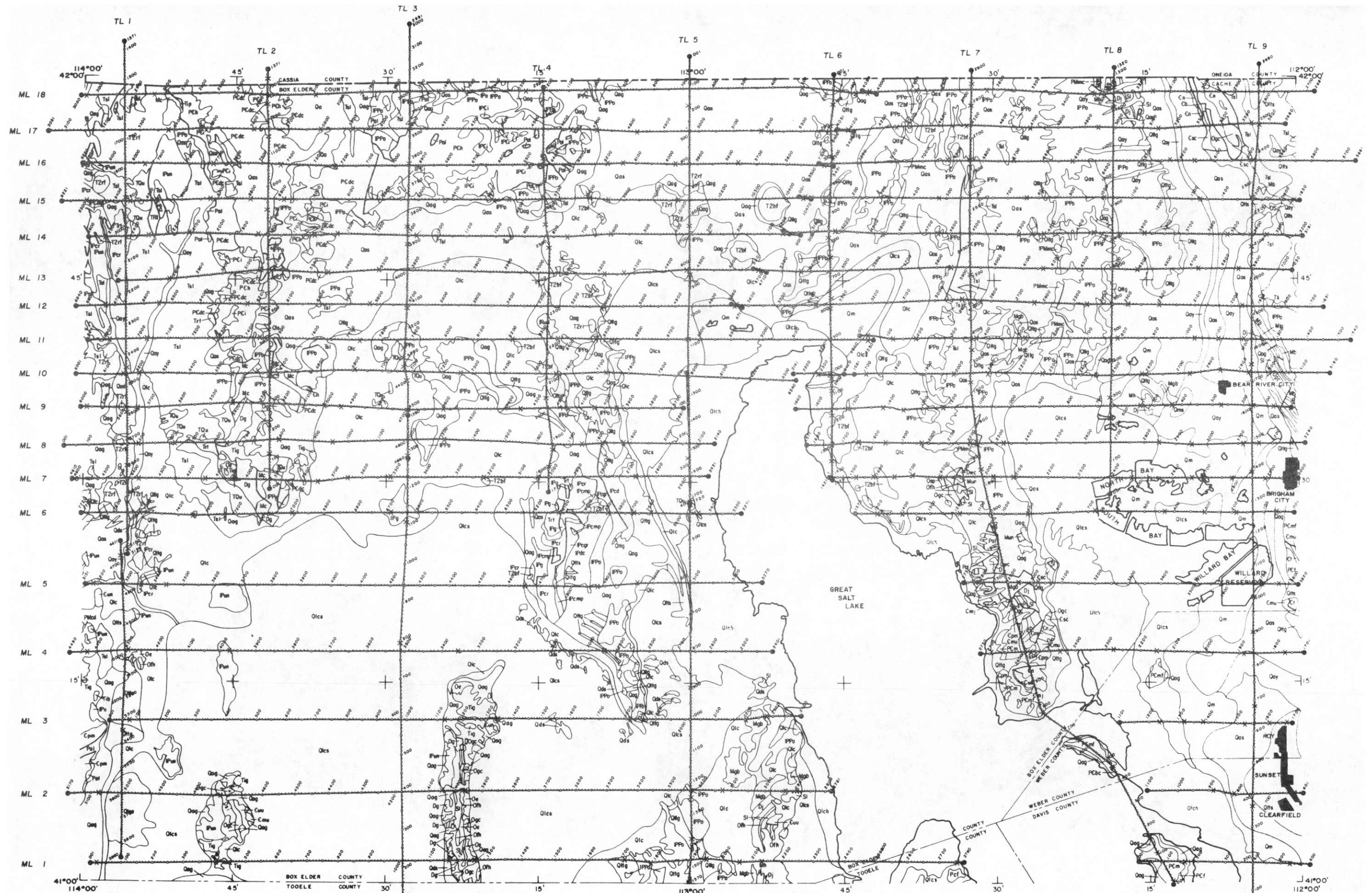
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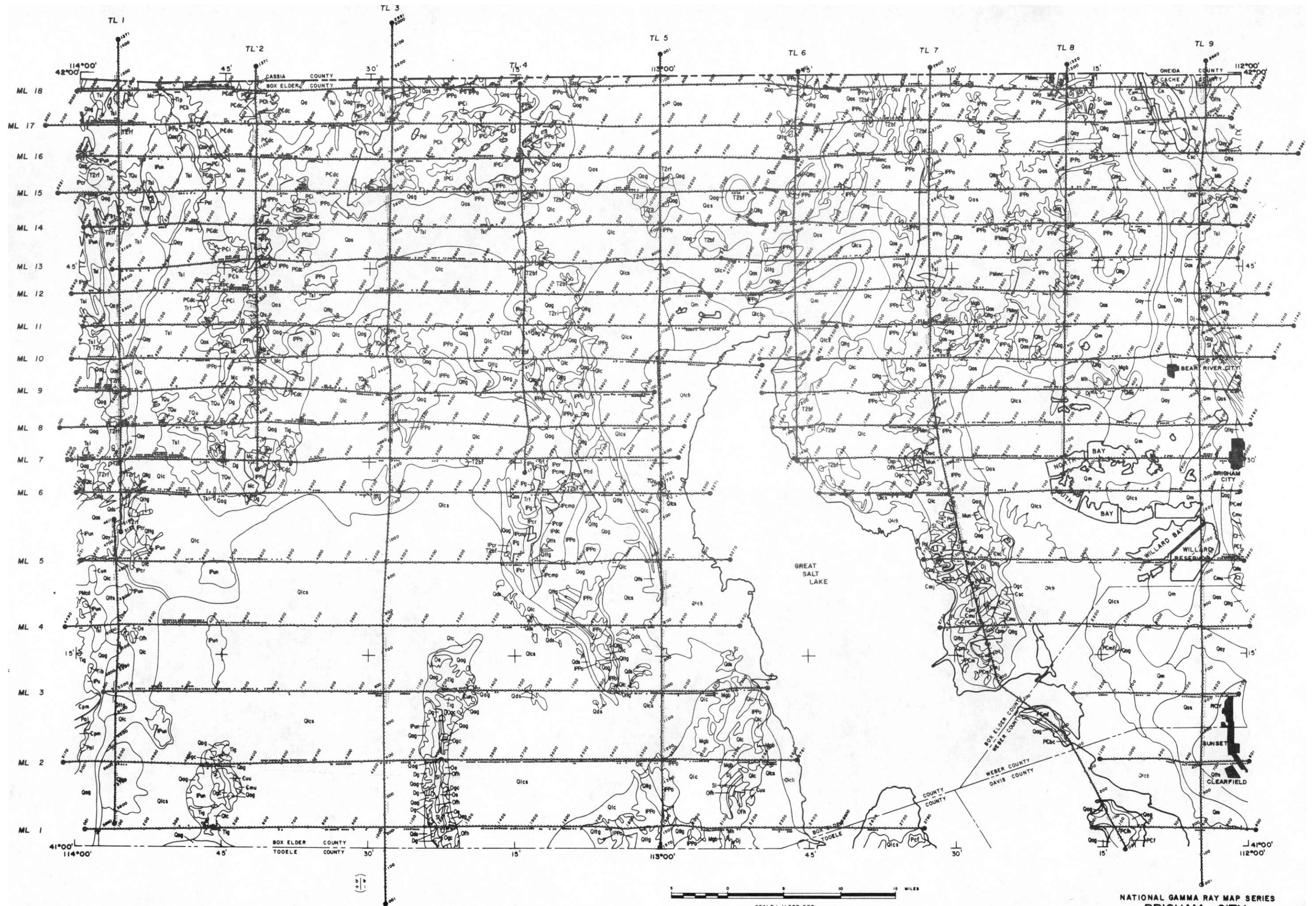
NATIONAL GAMMA RAY MAP SERIES
BRIGHAM CITY
GEOLOGICAL SURVEY OF WYOMING
GEOLOGY



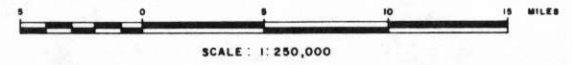
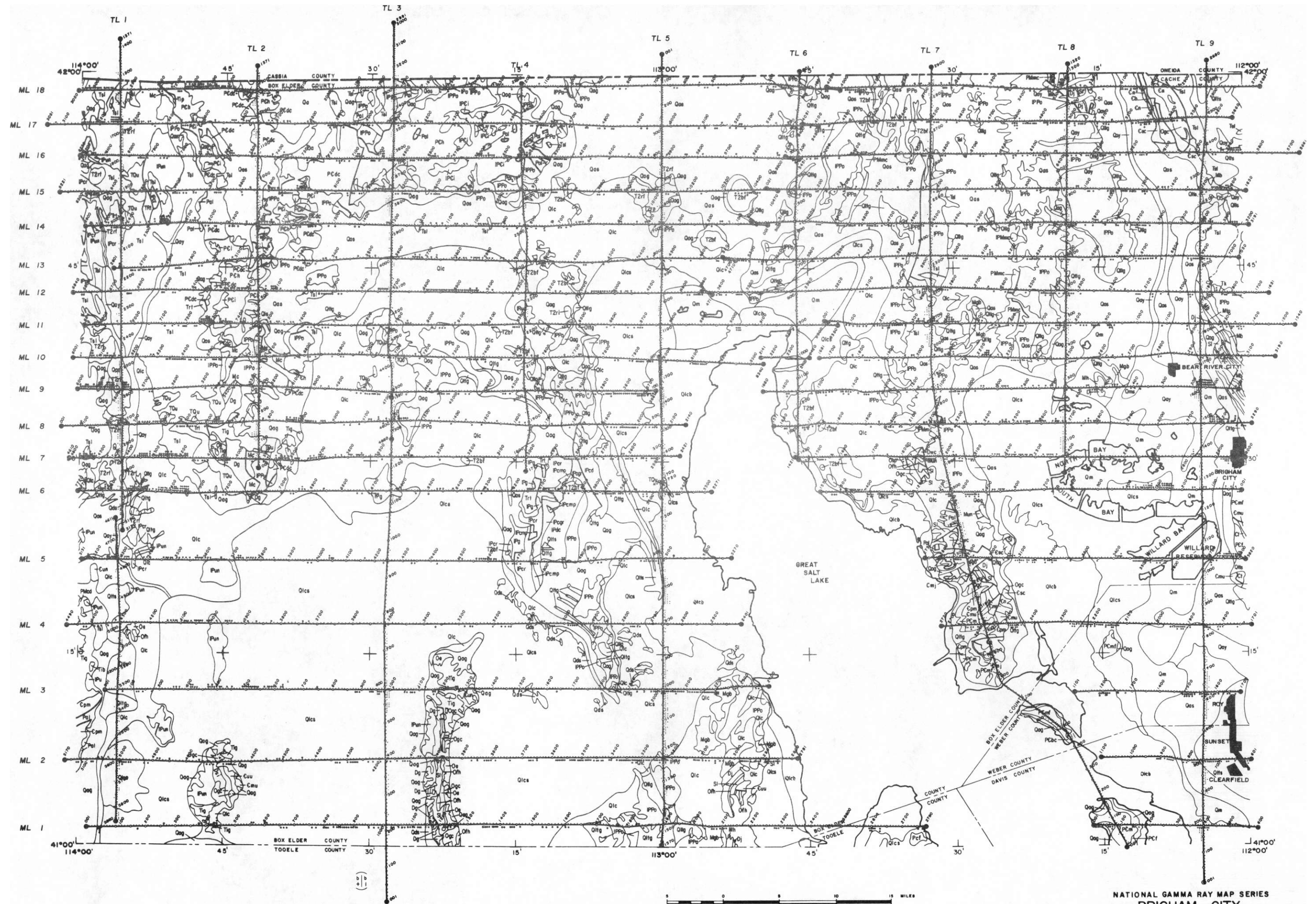


LEDGEN
 ✈ " X INDICATES POINTS
 FLIGHT BASE

NATIONAL GAMMA RAY MAP SERIES
BRIGHAM CITY
 FLIGHT BASE



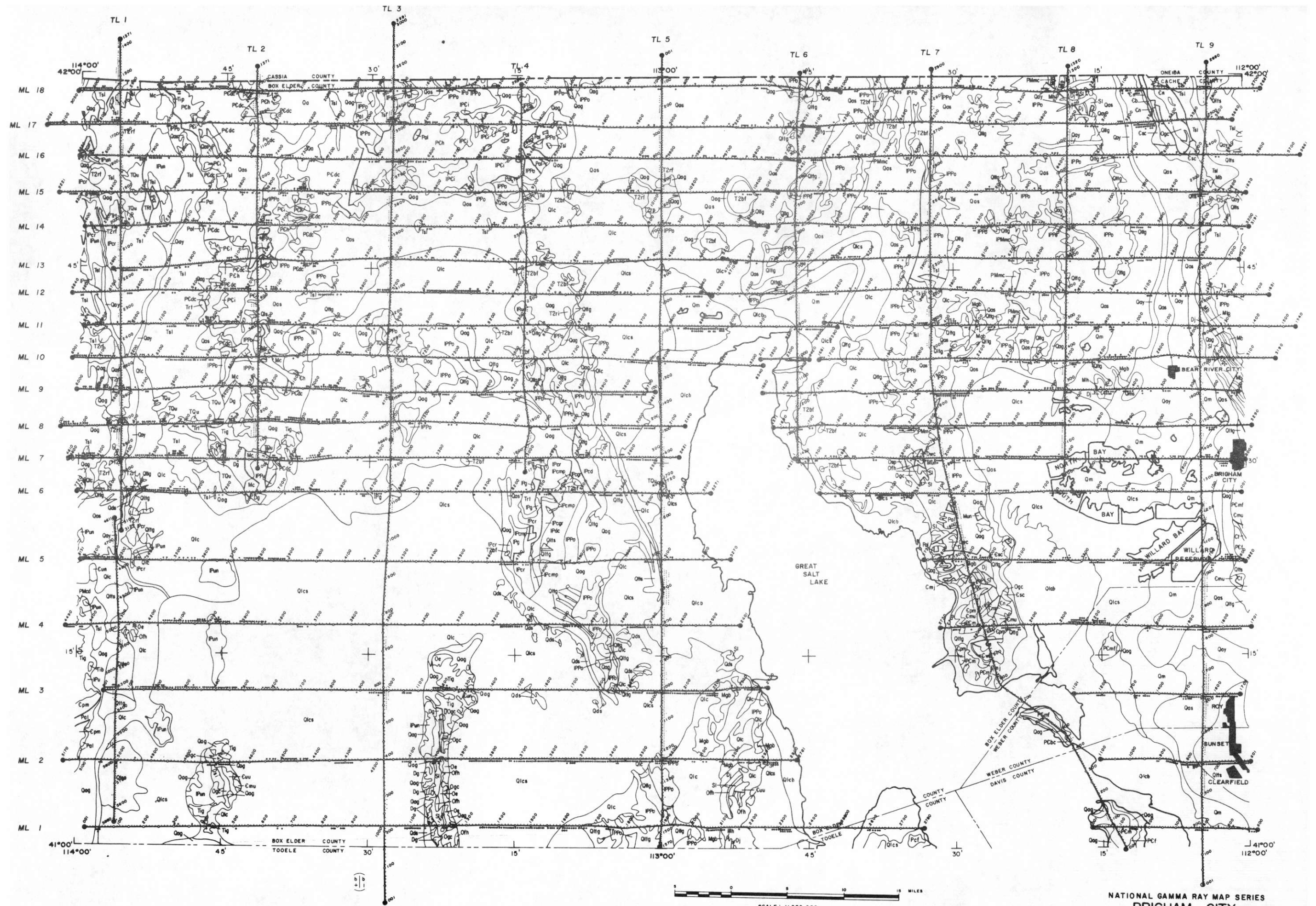
NATIONAL GAMMA RAY MAP SERIES
 BRIGHAM CITY
 208 TT ± STANDARD DEVIATIONS



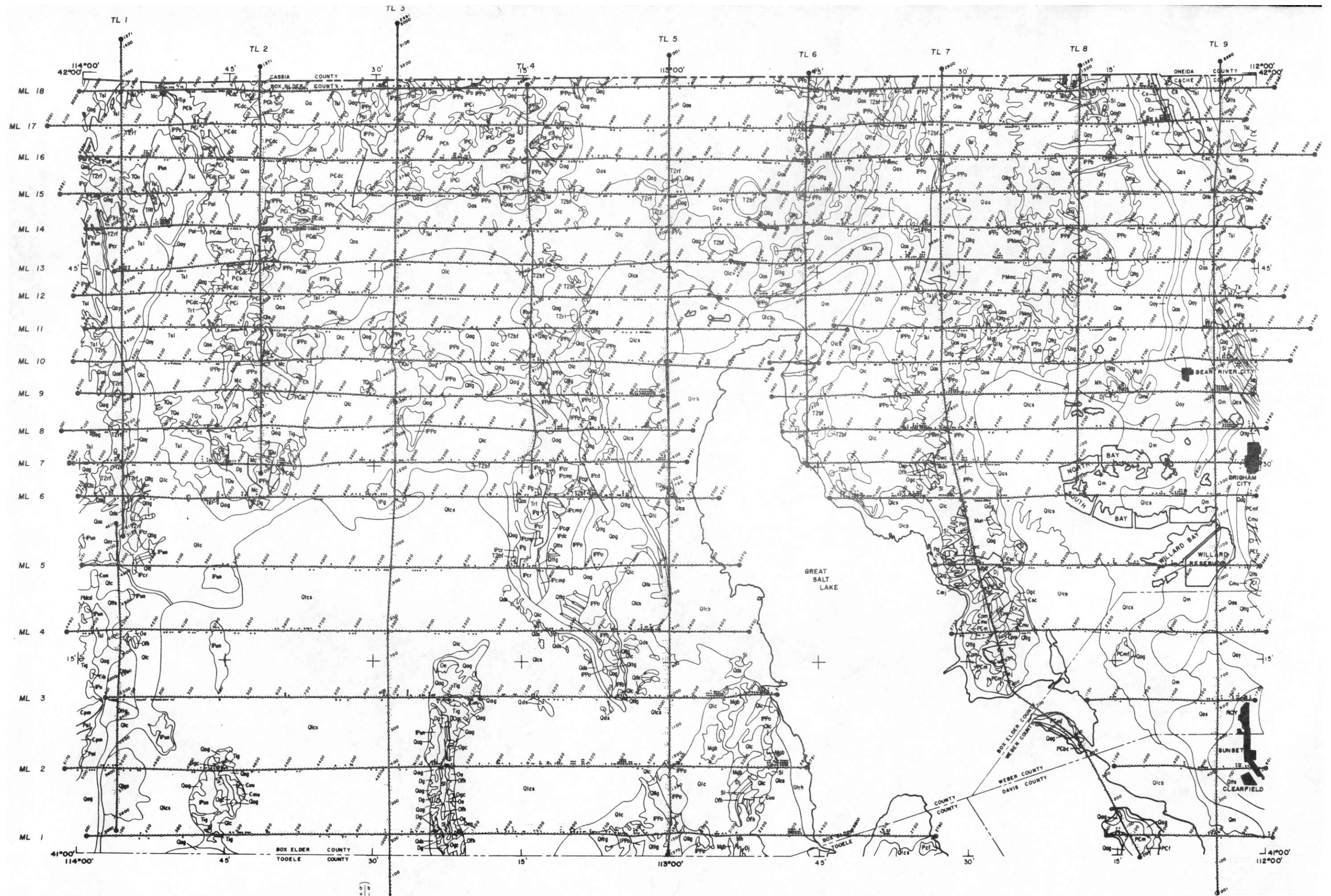
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NATIONAL GAMMA RAY MAP SERIES
BRIGHAM CITY

214 BI ± STANDARD DEVIATIONS

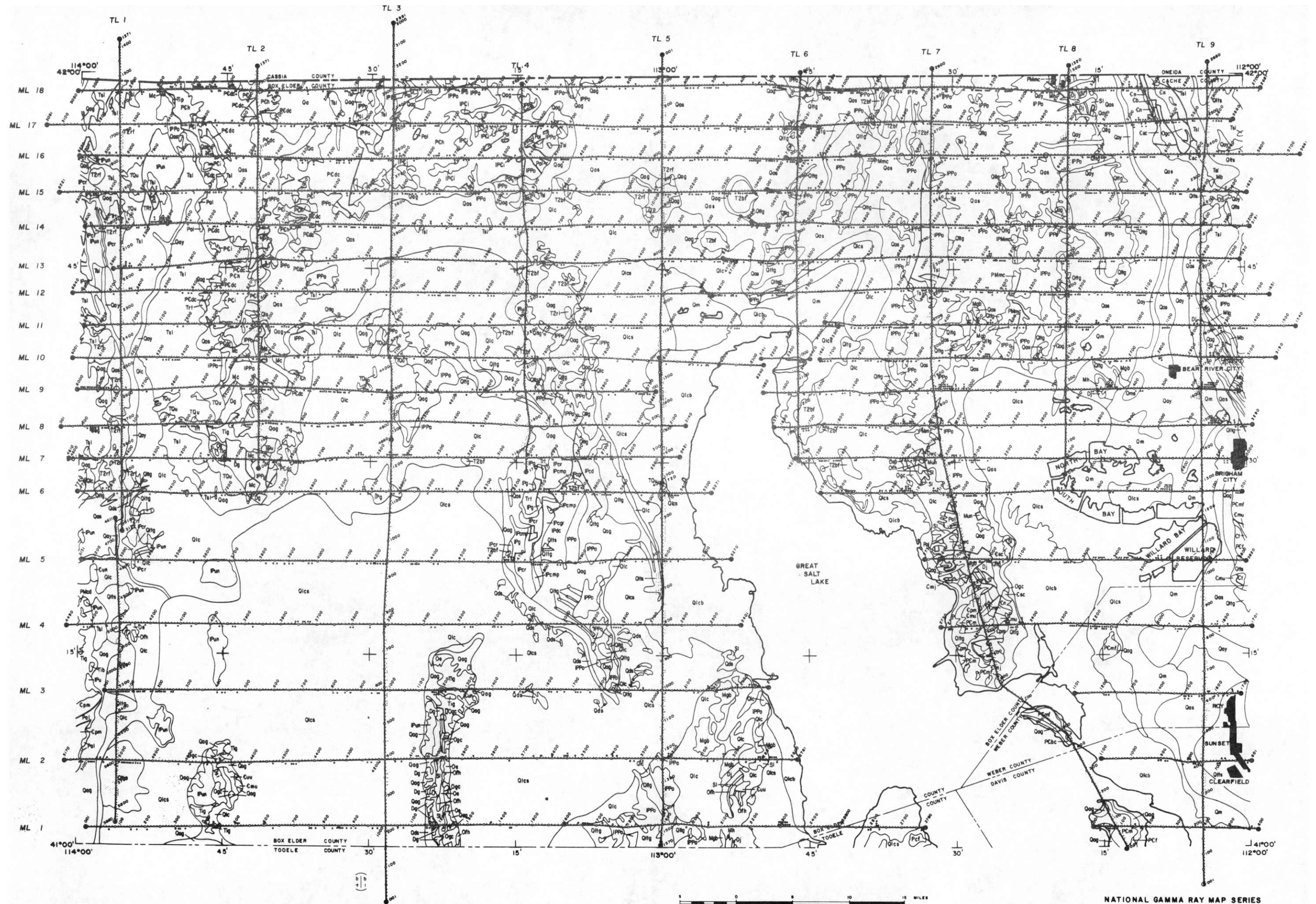


NATIONAL GAMMA RAY MAP SERIES
 BRIGHAM CITY
 40 K ± STANDARD DEVIATIONS

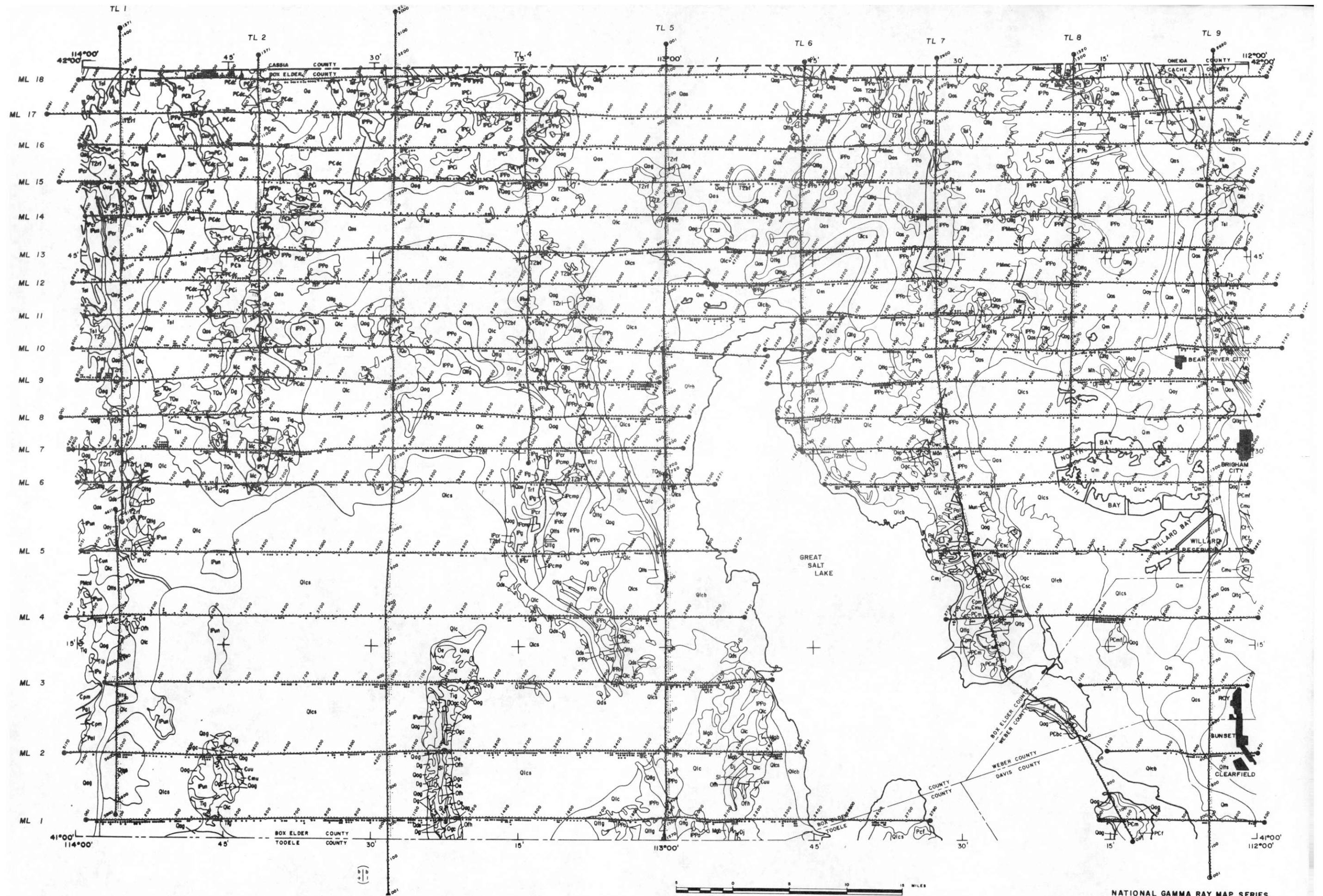


NATIONAL GAMMA RAY MAP SERIES
 BRIGHAM CITY

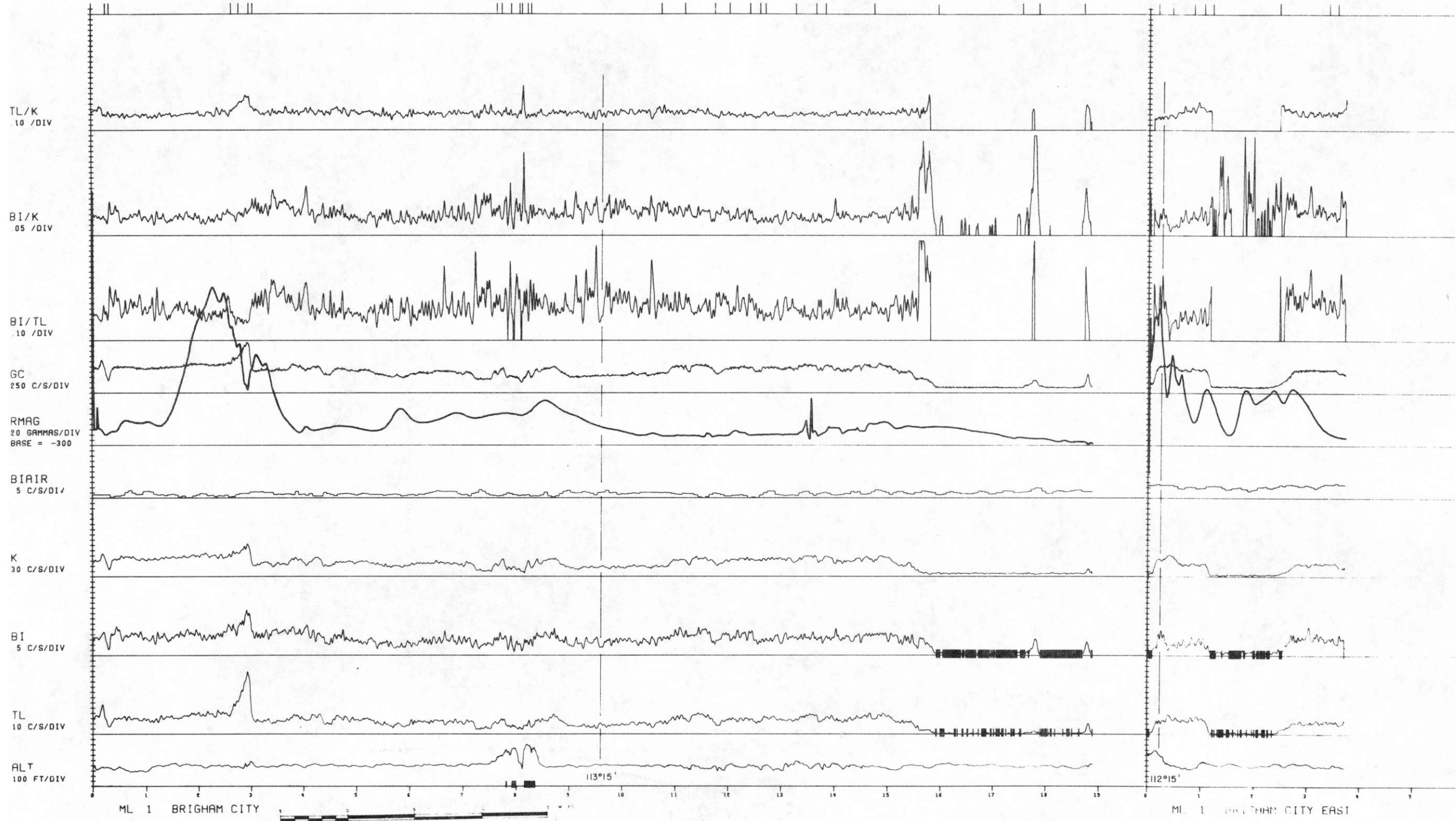
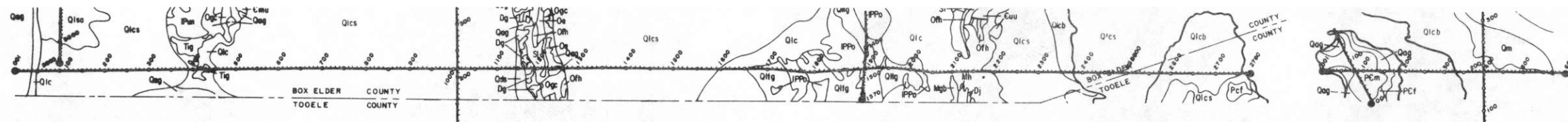
214 Bi / 208 Tr ± STANDARD DEVIATIONS

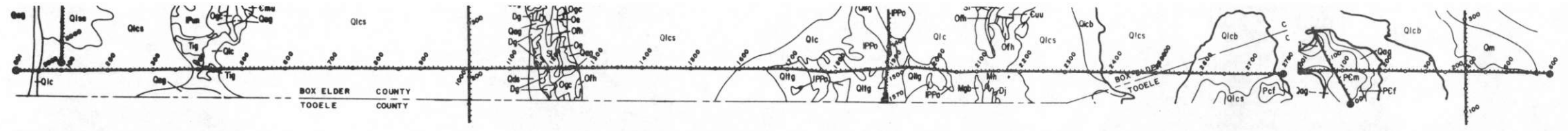


NATIONAL GAMMA RAY MAP SERIES
 BRIGHAM CITY
 $^{214}\text{Bi}/^{40}\text{K} \pm$ STANDARD DEVIATIONS



NATIONAL GAMMA RAY MAP SERIES
 BRIGHAM CITY
 208 TR/40K ± STANDARD DEVIATIONS





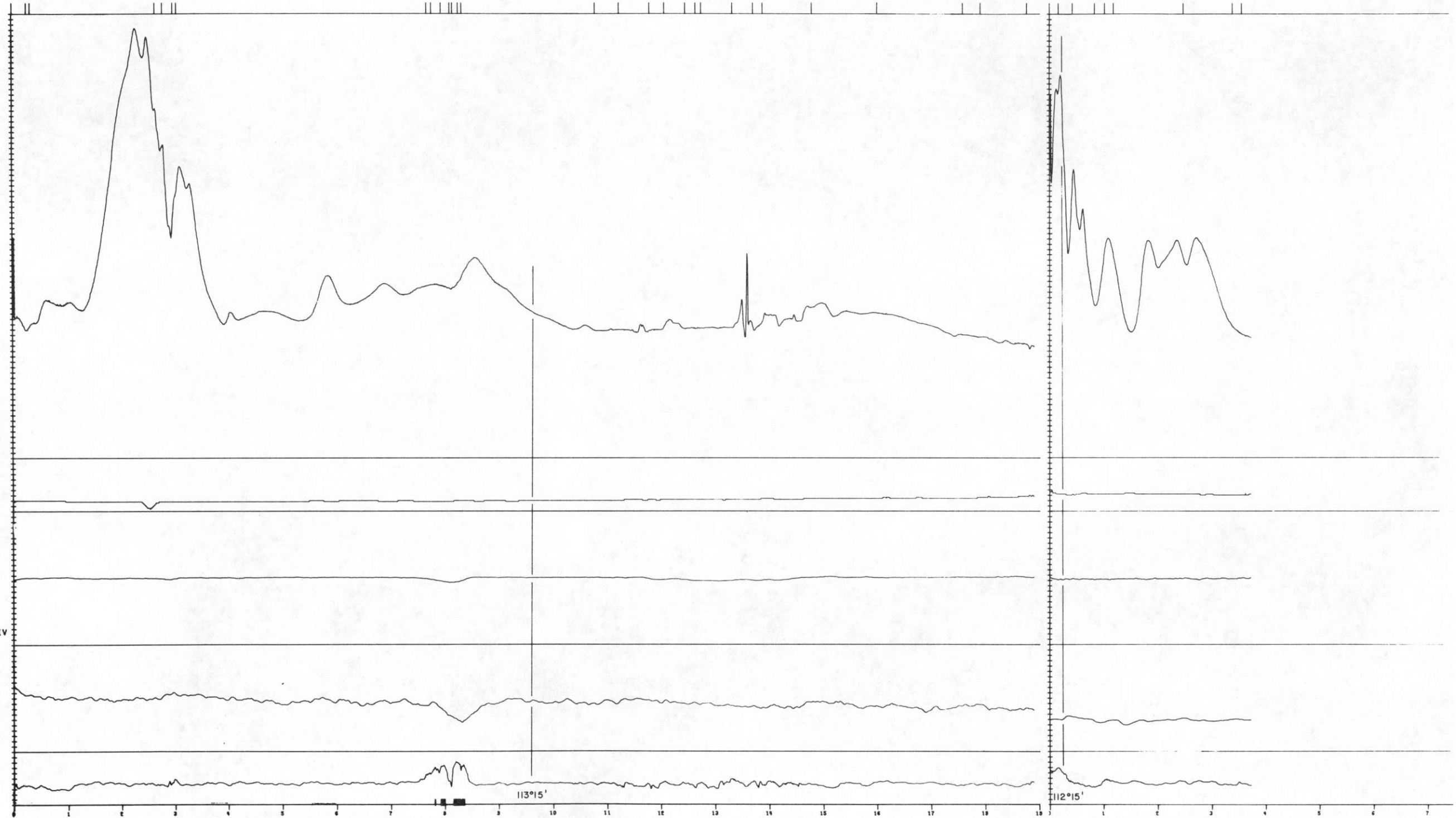
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10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

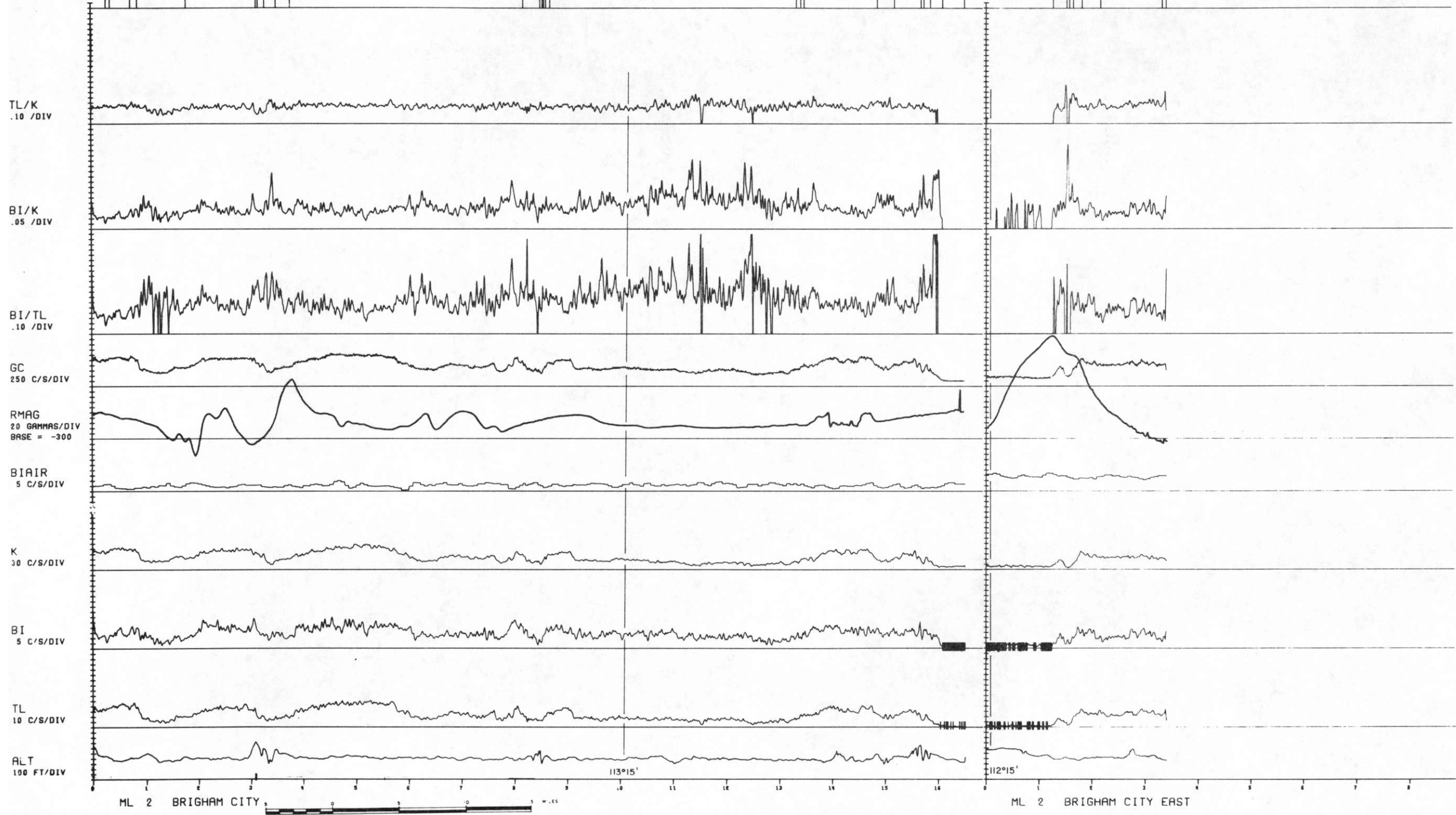
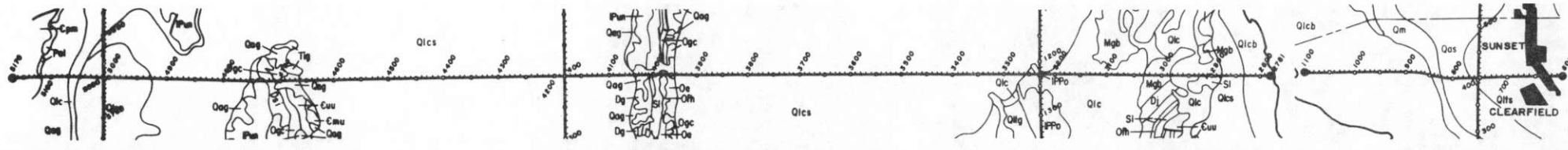
TEMP
1 DEG C/DIV
BASE = 10

ALT
100 FT/DIV



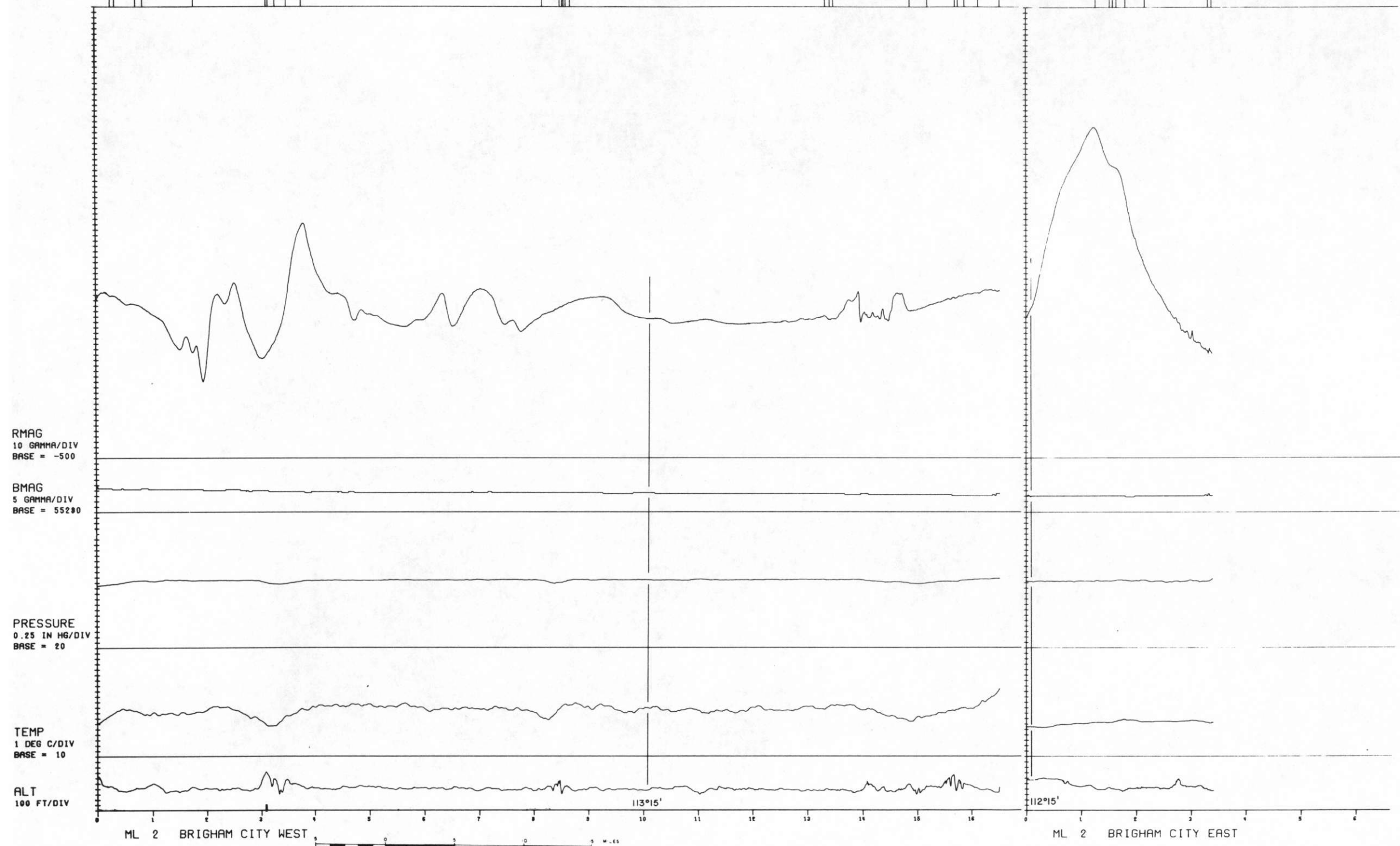
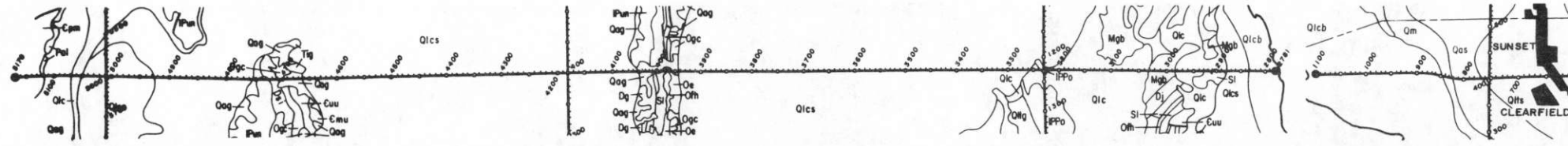
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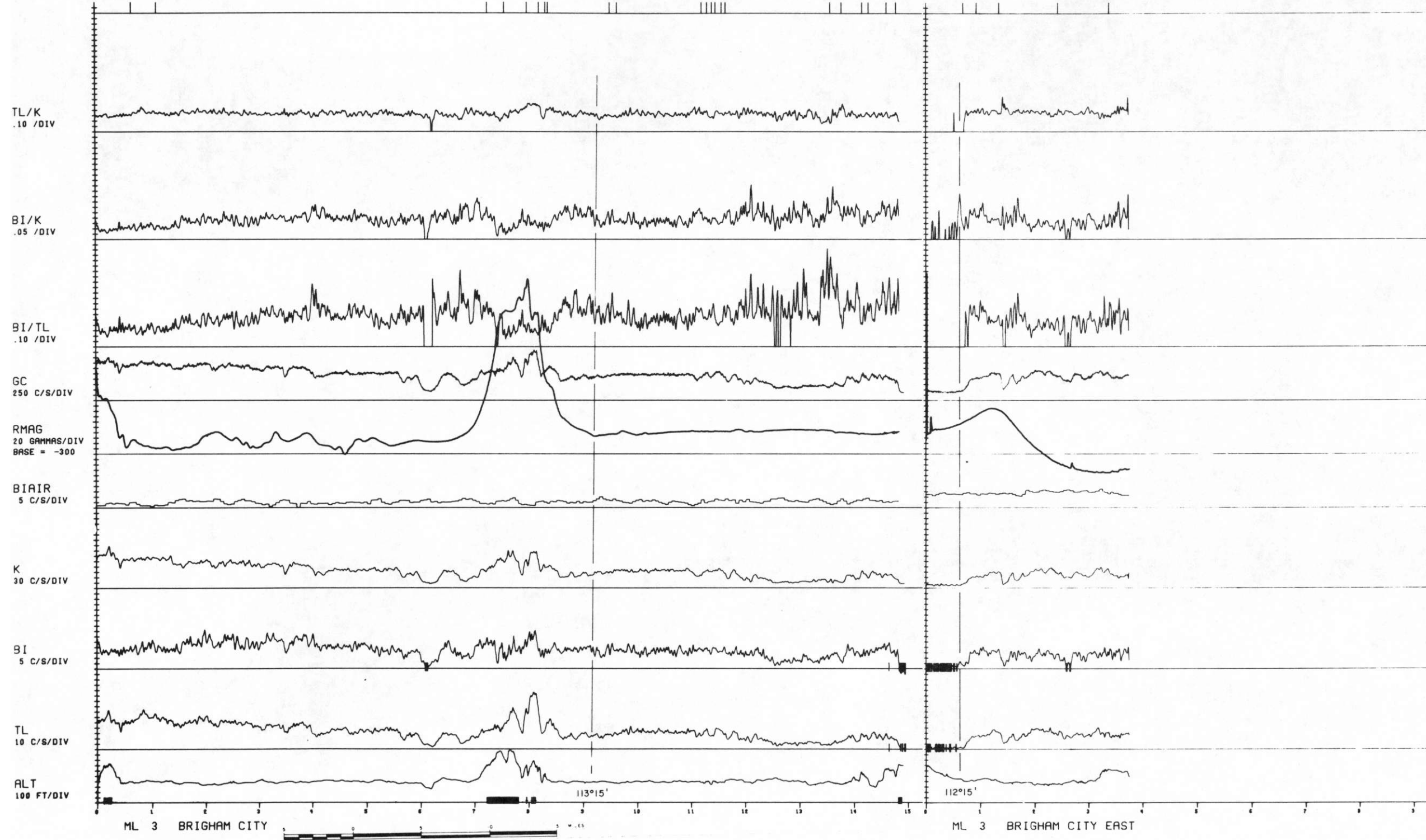
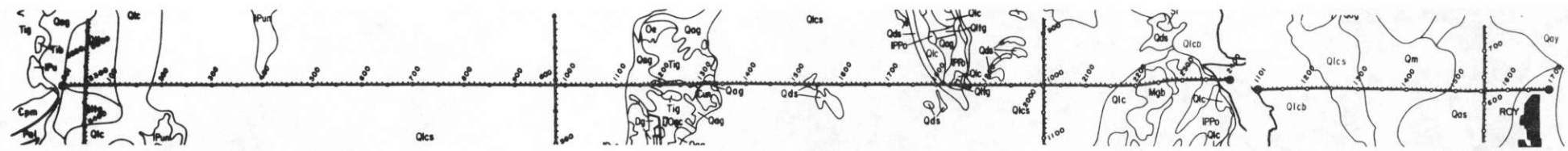
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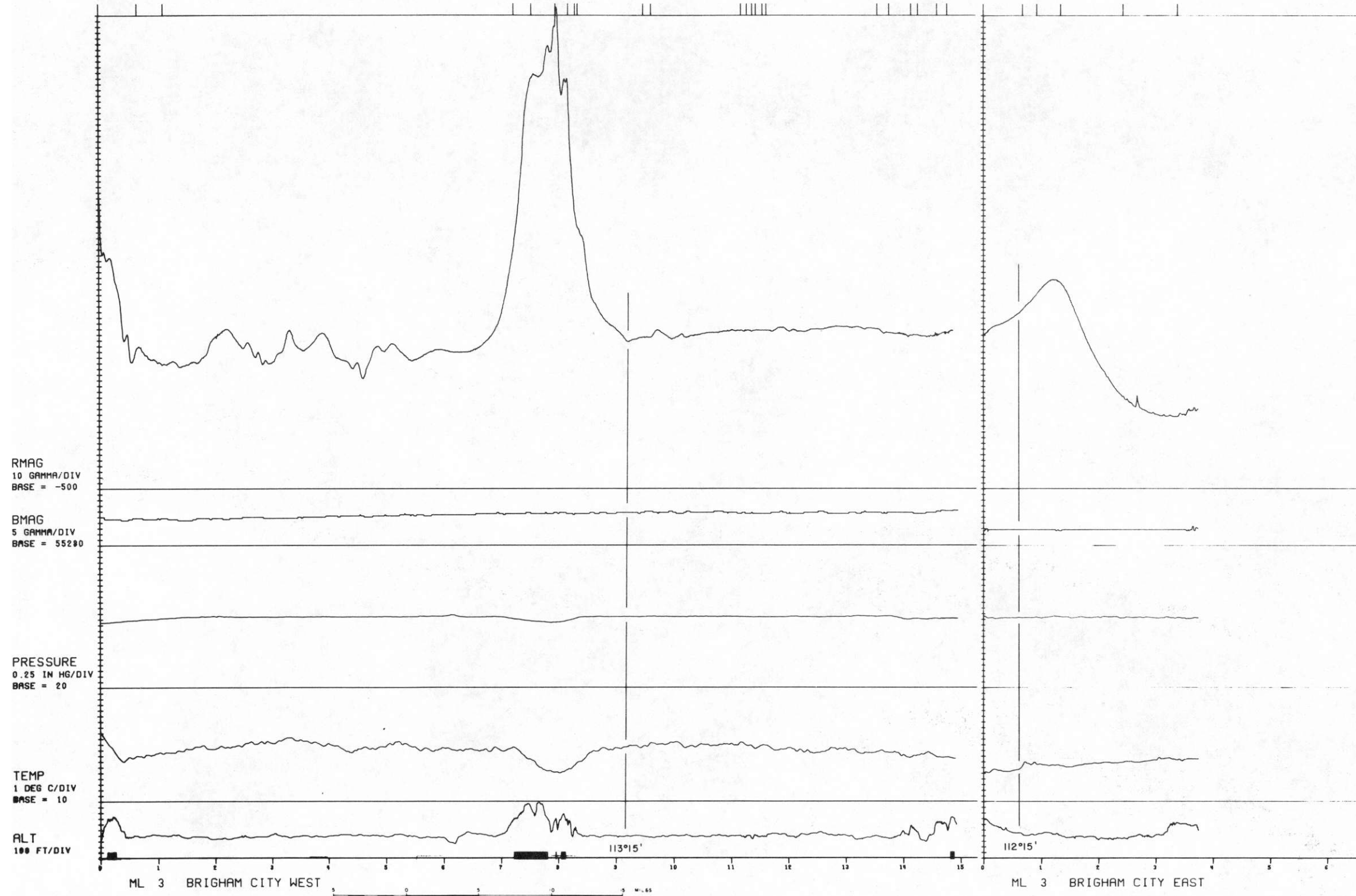
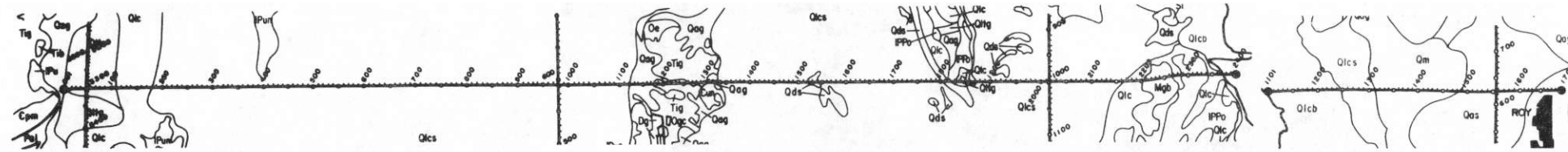


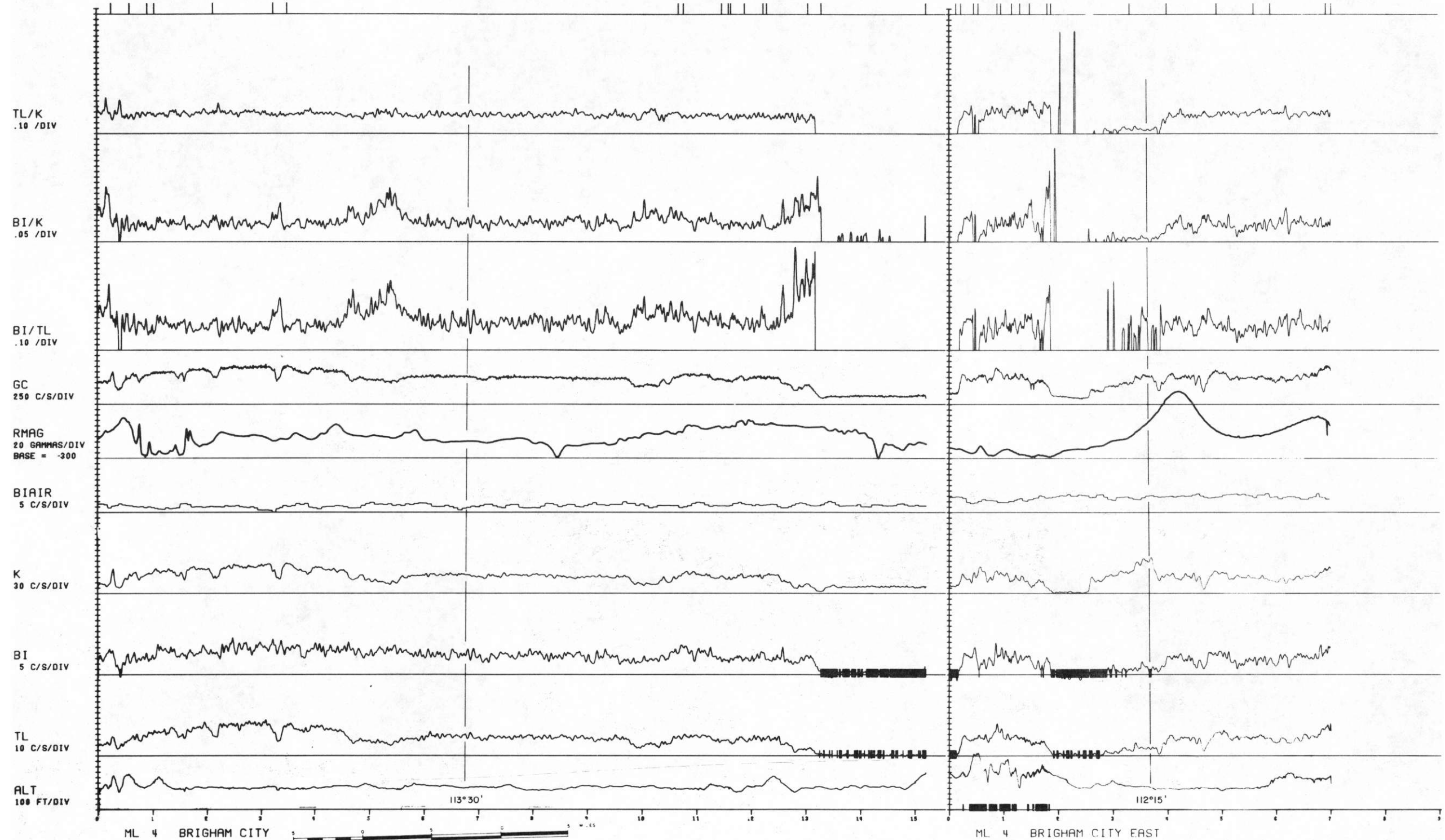
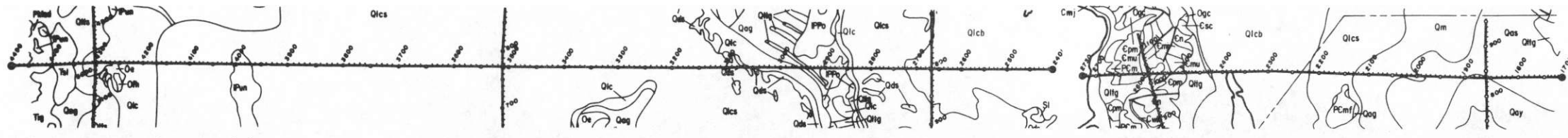
ML 2 BRIGHAM CITY

ML 2 BRIGHAM CITY EAST









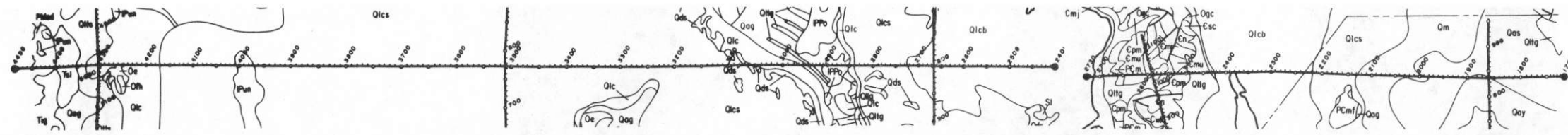
ML 4 BRIGHAM CITY

ML 4 BRIGHAM CITY EAST

113°30'

112°15'





RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55200

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

ALT
100 FT/DIV

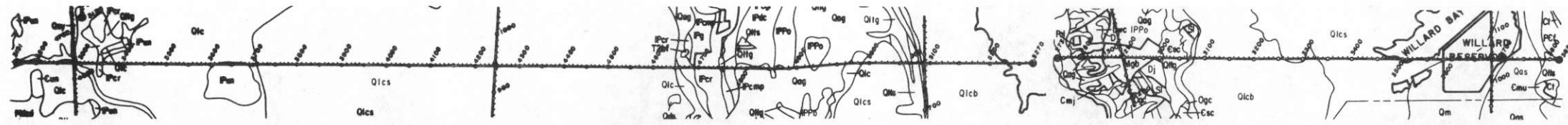
ML 4 BRIGHAM CITY WEST



113°30'

ML 4 BRIGHAM CITY EAST

112°15'



TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV

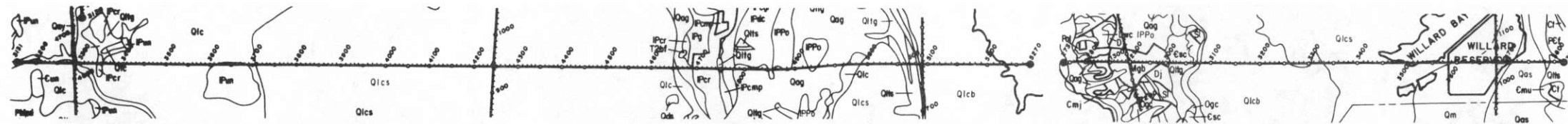
ML 5 BRIGHAM CITY



113°30'

ML 5 BRIGHAM CITY EAST

112°15'



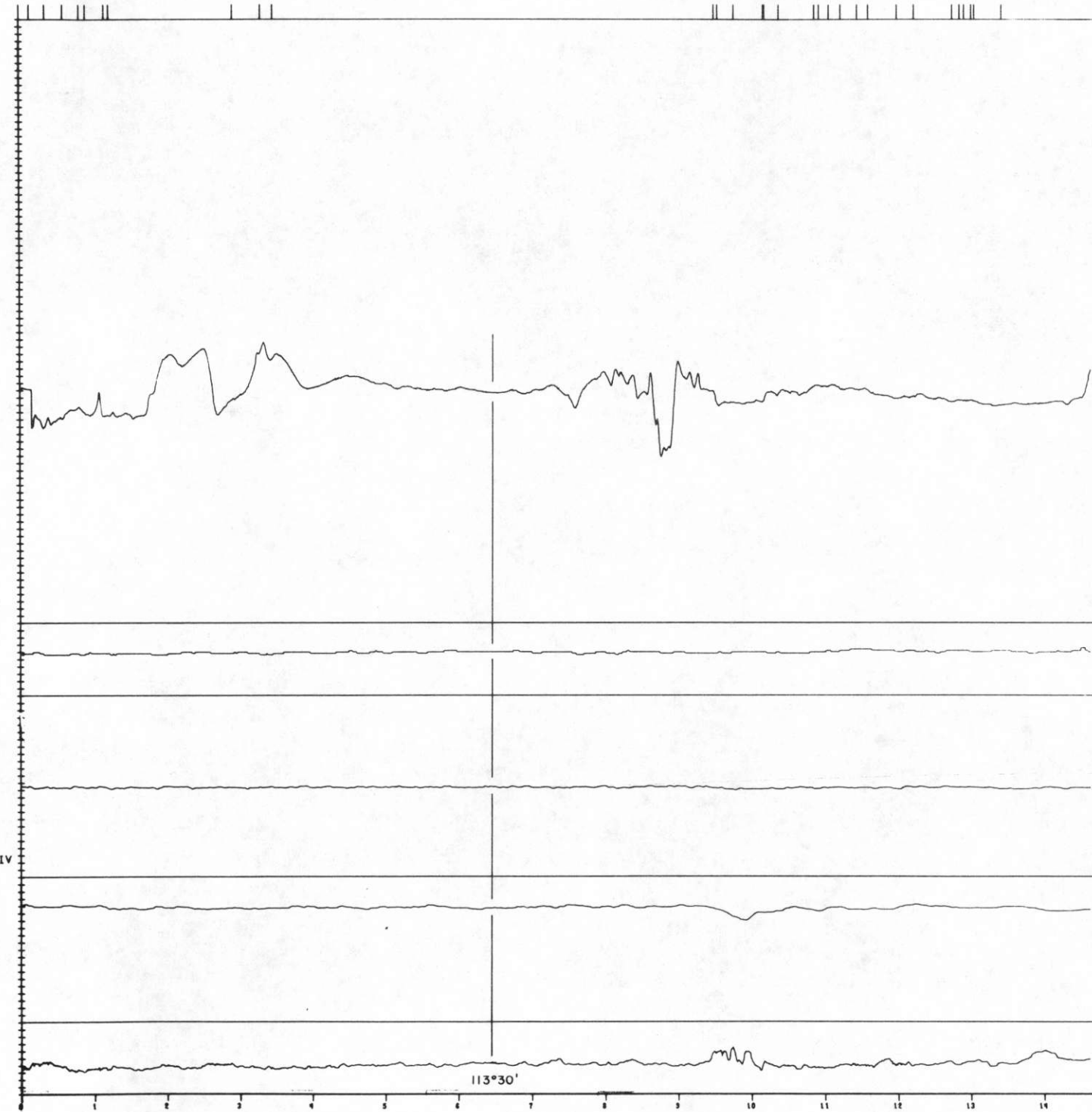
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

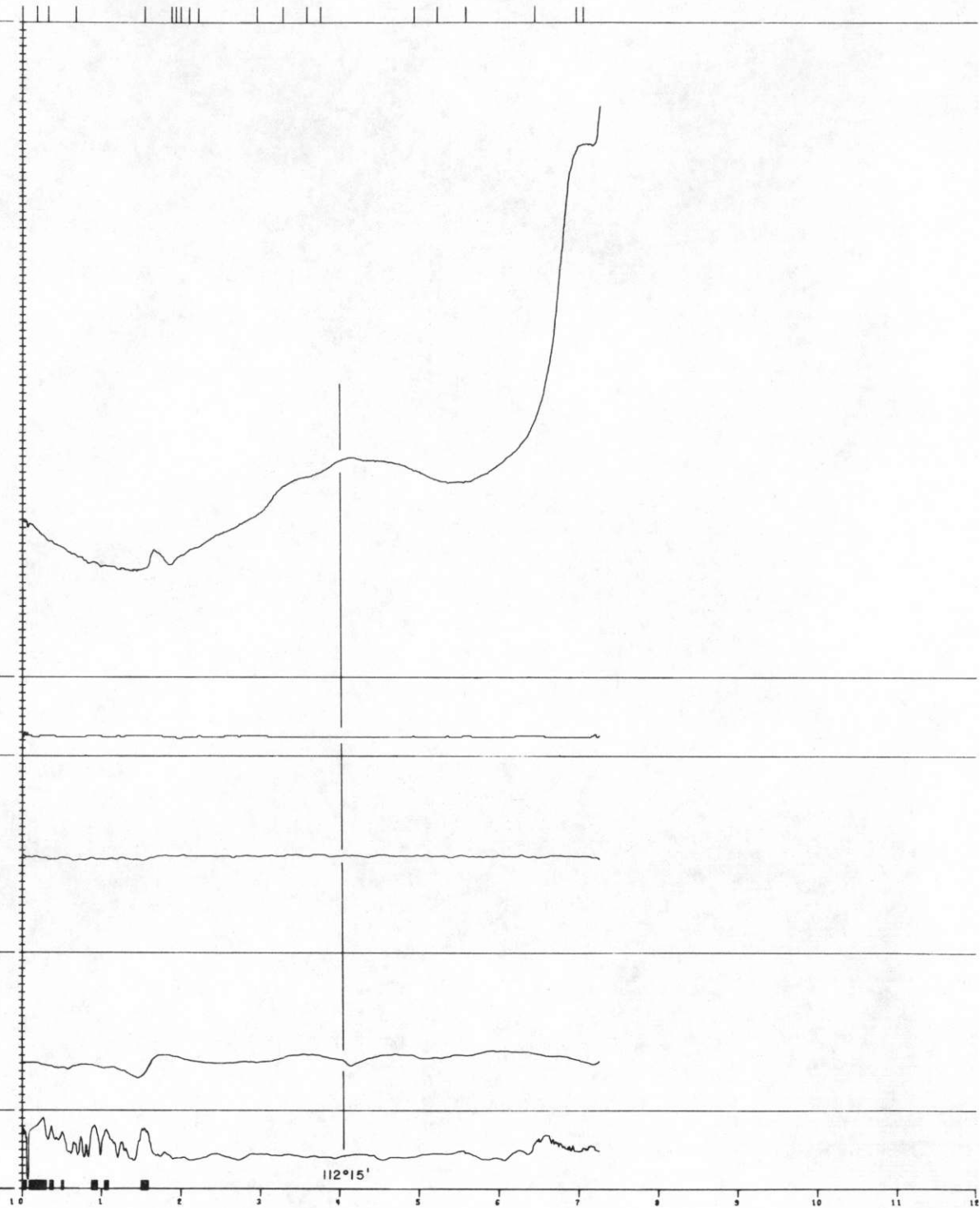
PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

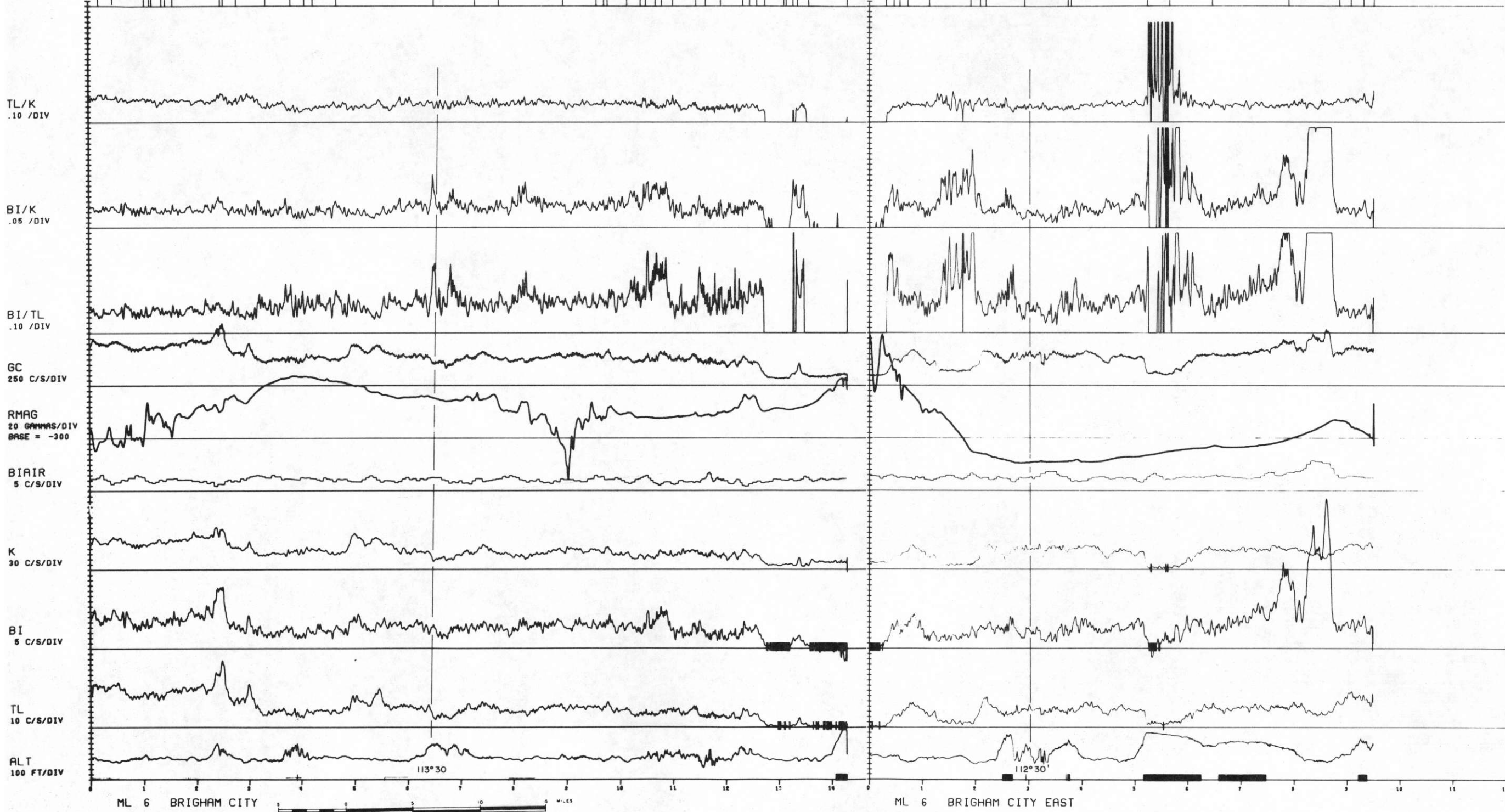
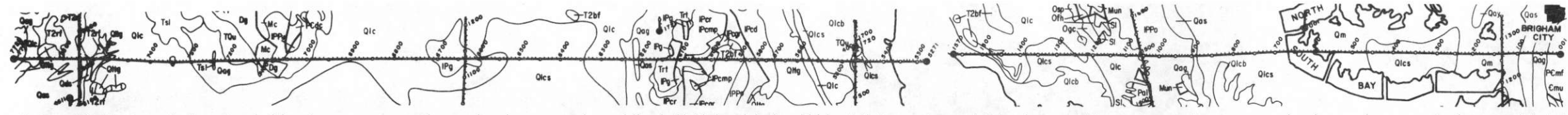
ALT
100 FT/DIV



ML 5 BRIGHAM CITY WEST

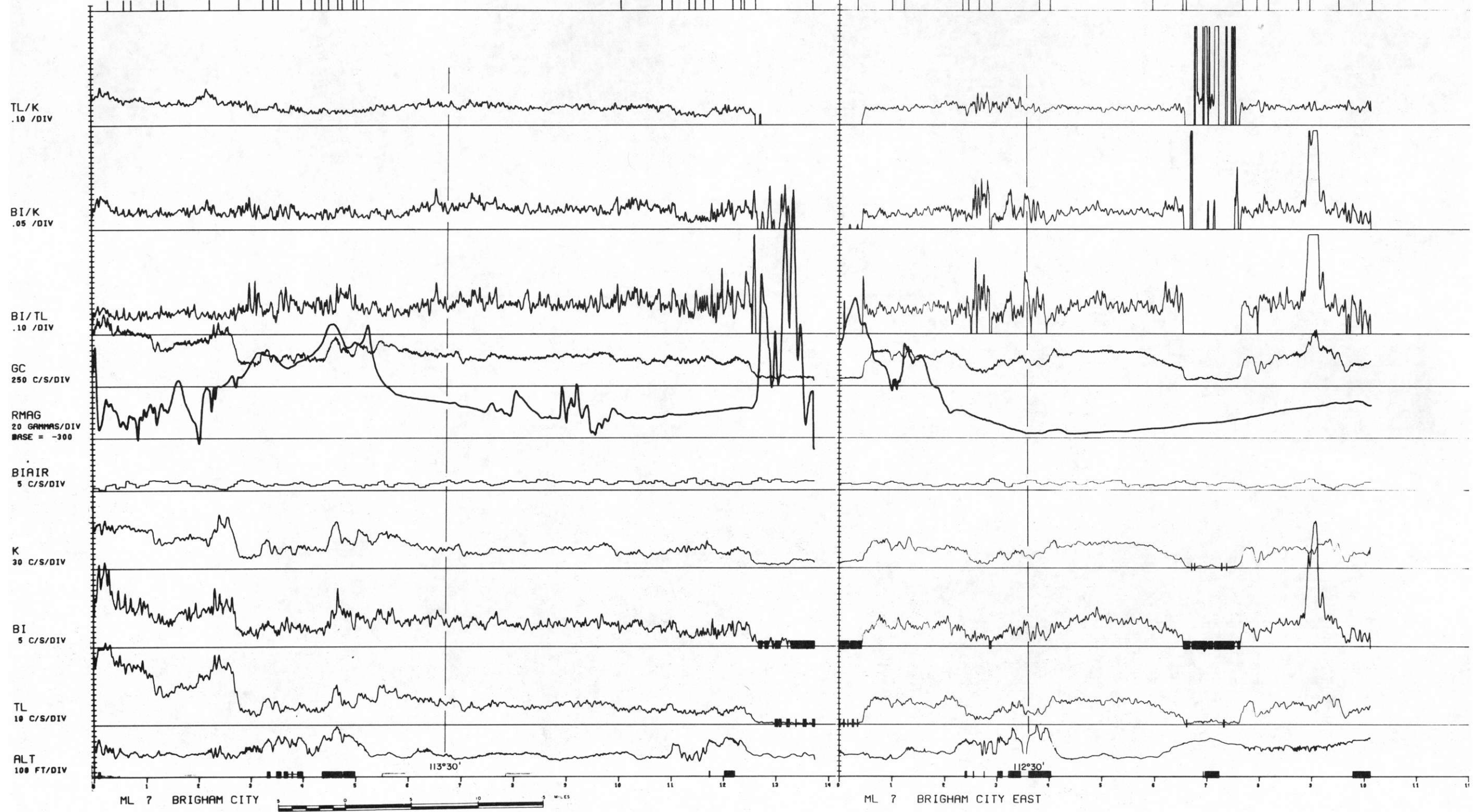
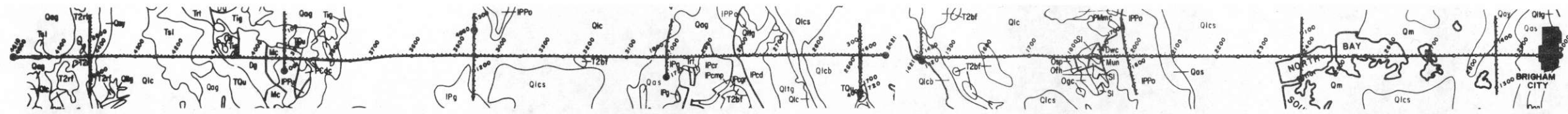


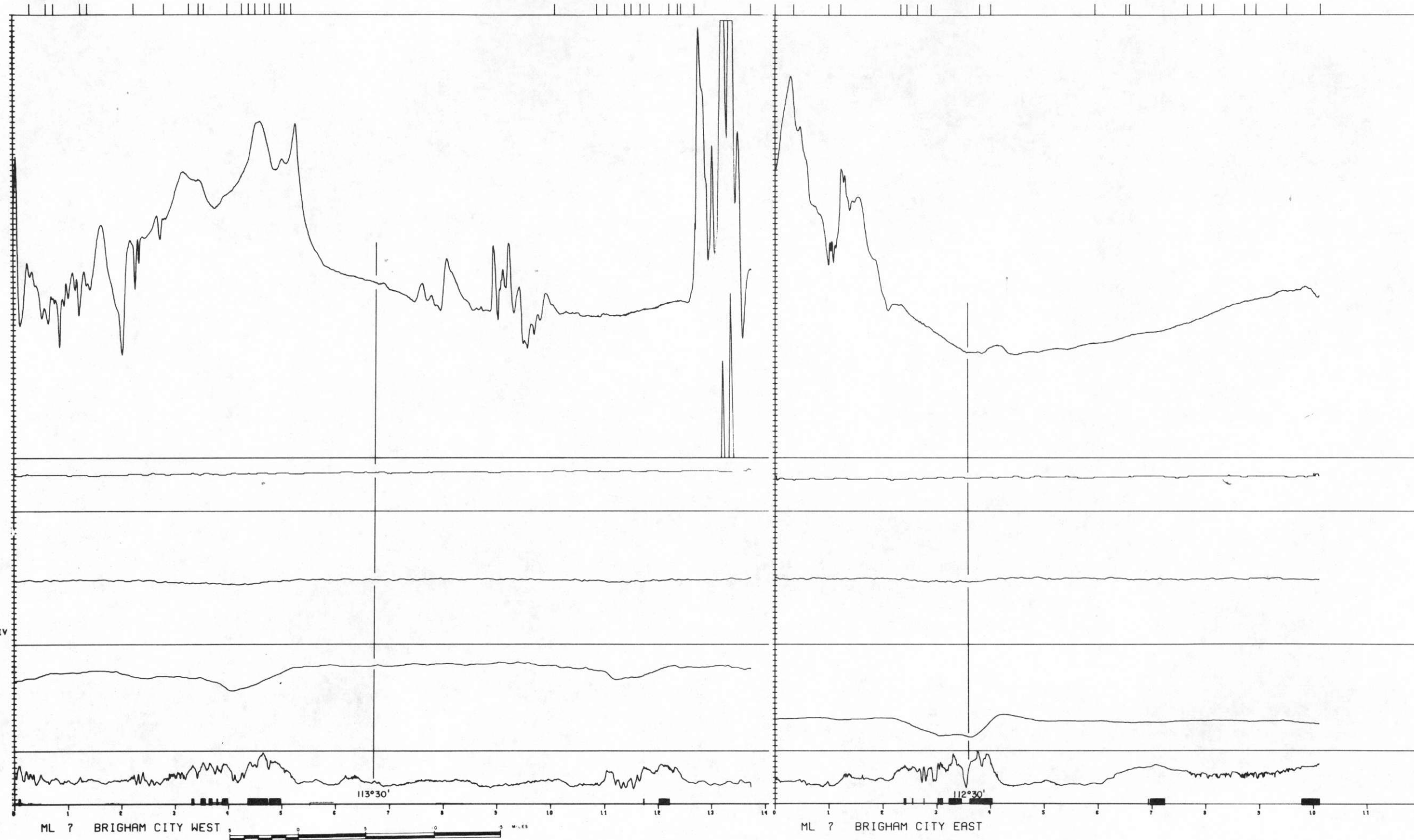
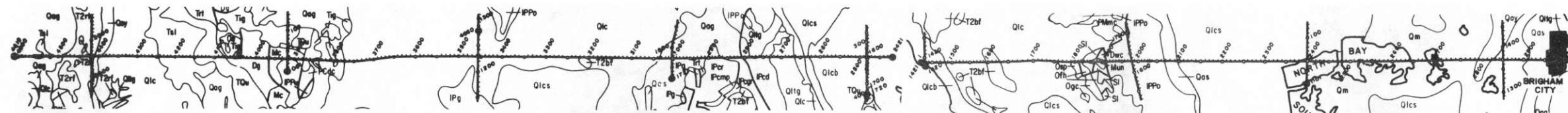
ML 5 BRIGHAM CITY EAST

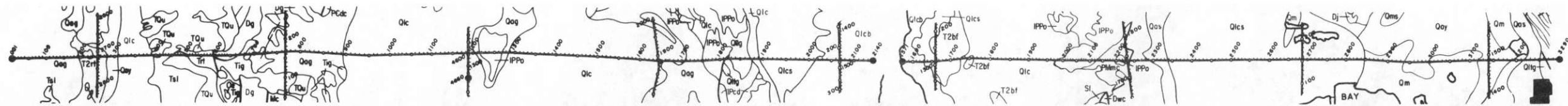


ML 6 BRIGHAM CITY

ML 6 BRIGHAM CITY EAST







TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

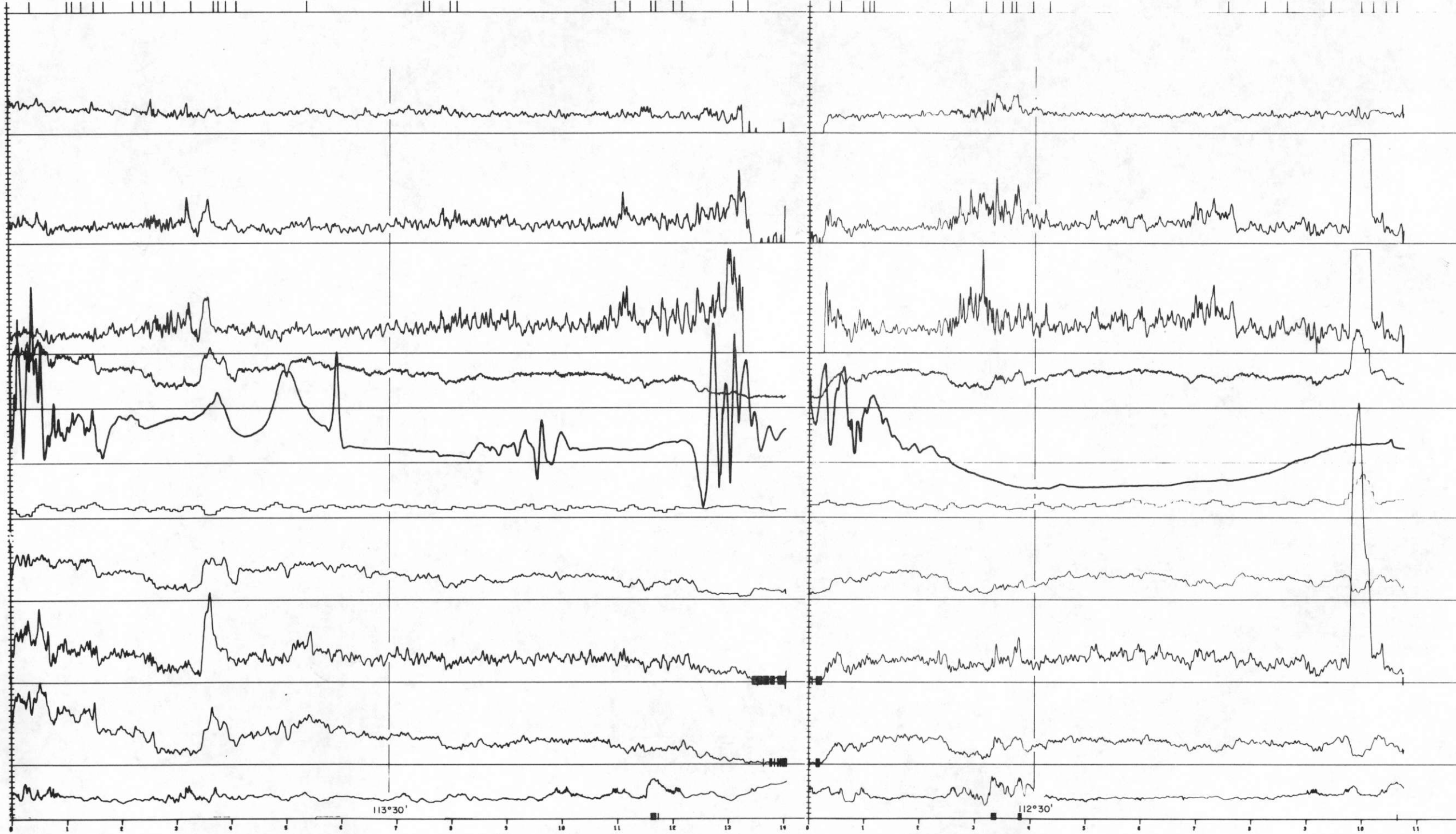
BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV



ML 8 BRIGHAM CITY

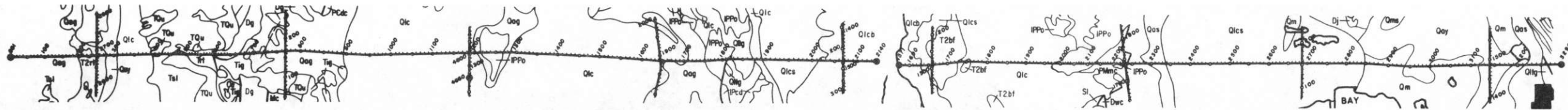


113°30'

ML 8 BRIGHAM CITY EAST

112°30'





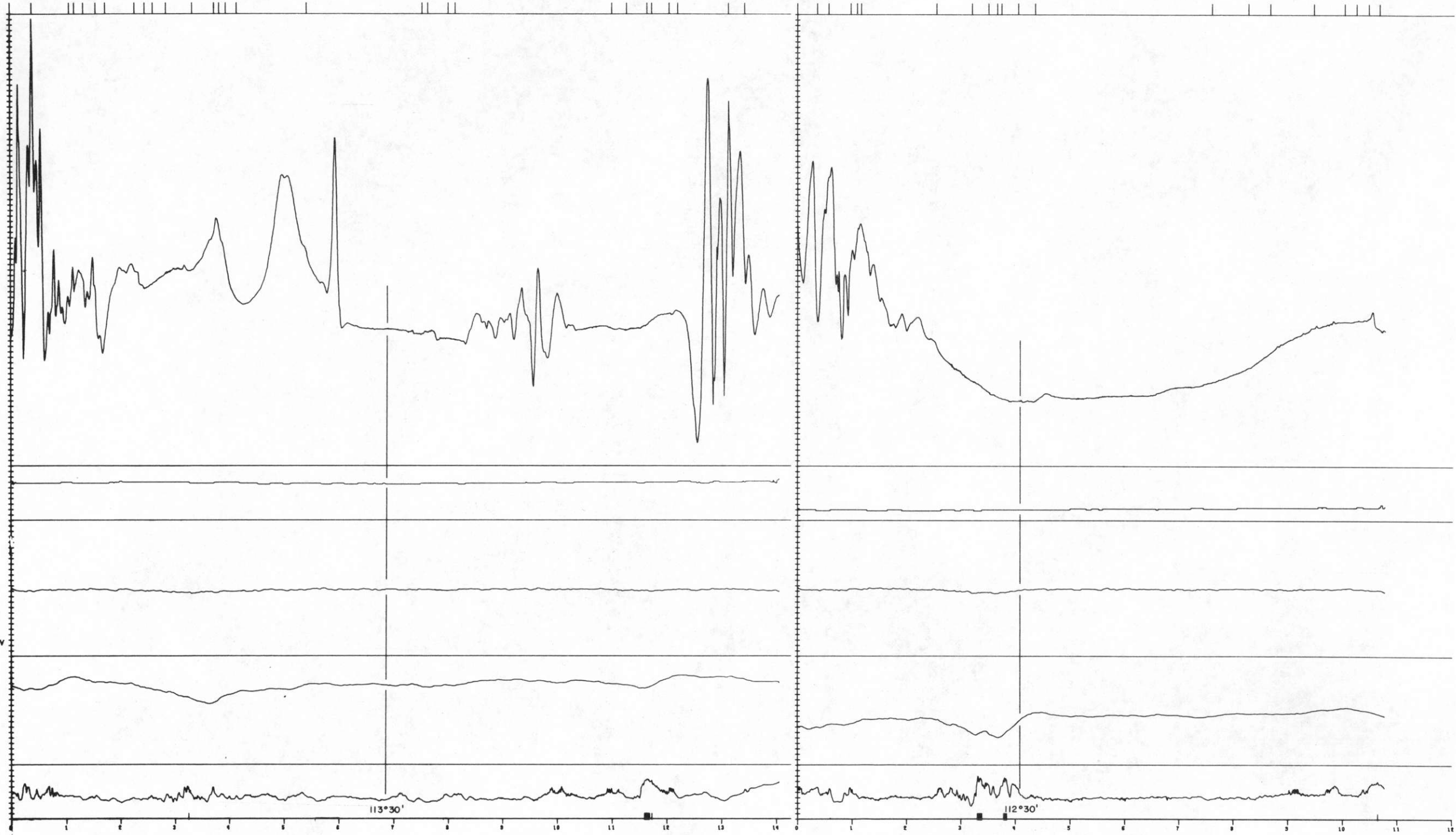
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

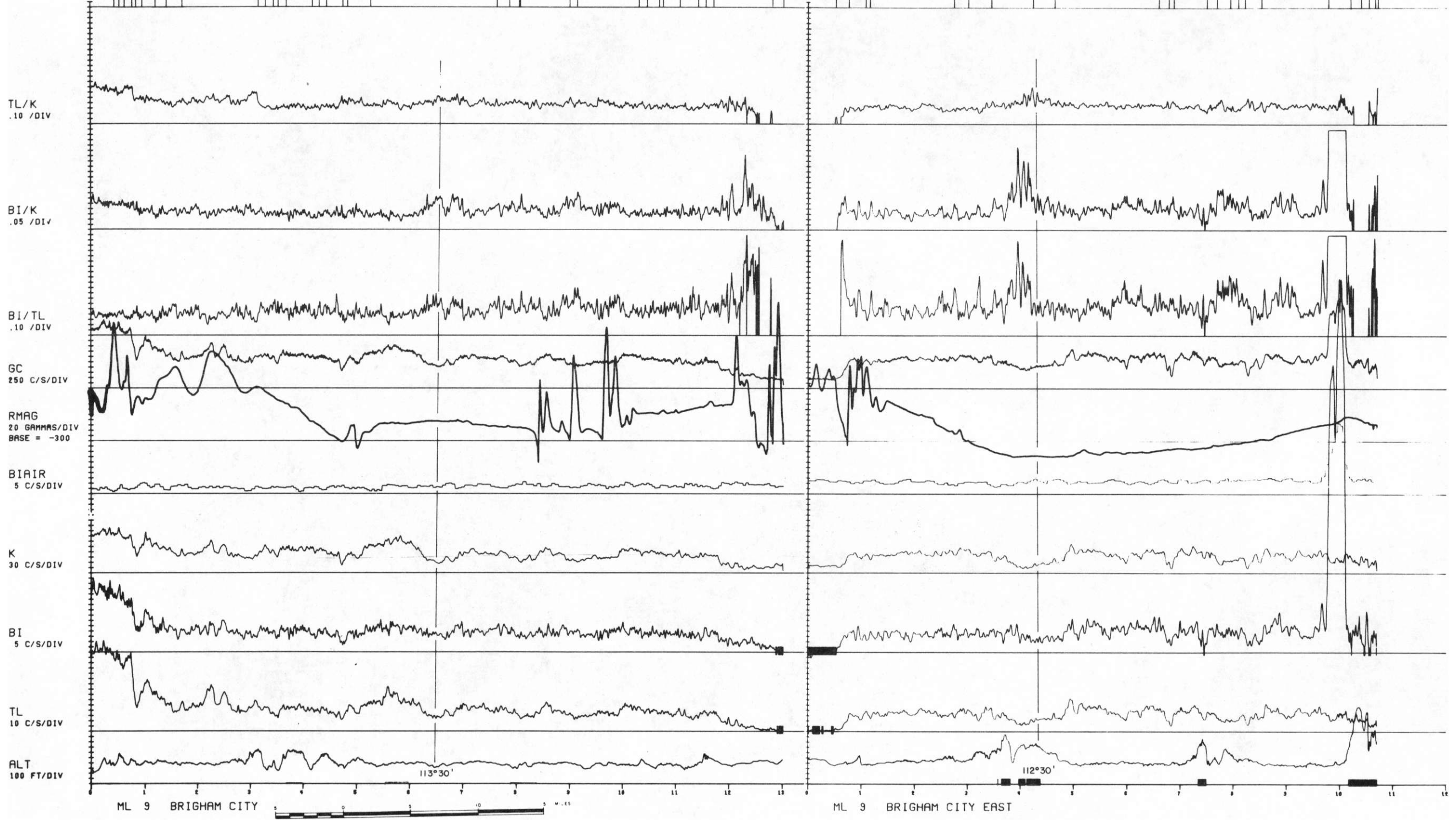
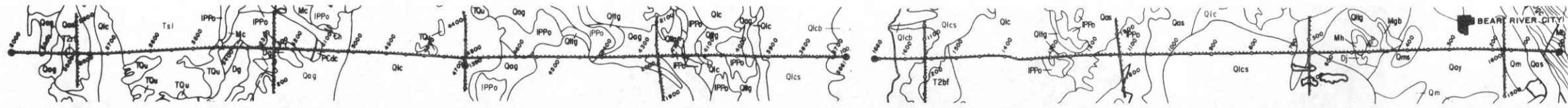
ALT
100 FT/DIV



ML 8 BRIGHAM CITY WEST

ML 8 BRIGHAM CITY EAST

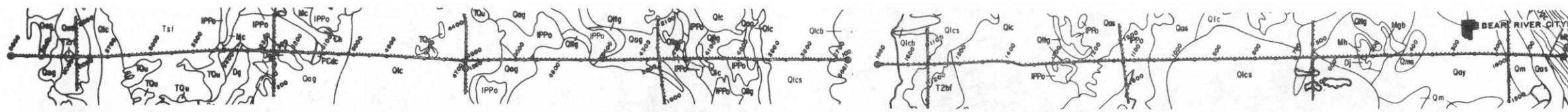




ML 9 BRIGHAM CITY

ML 9 BRIGHAM CITY EAST





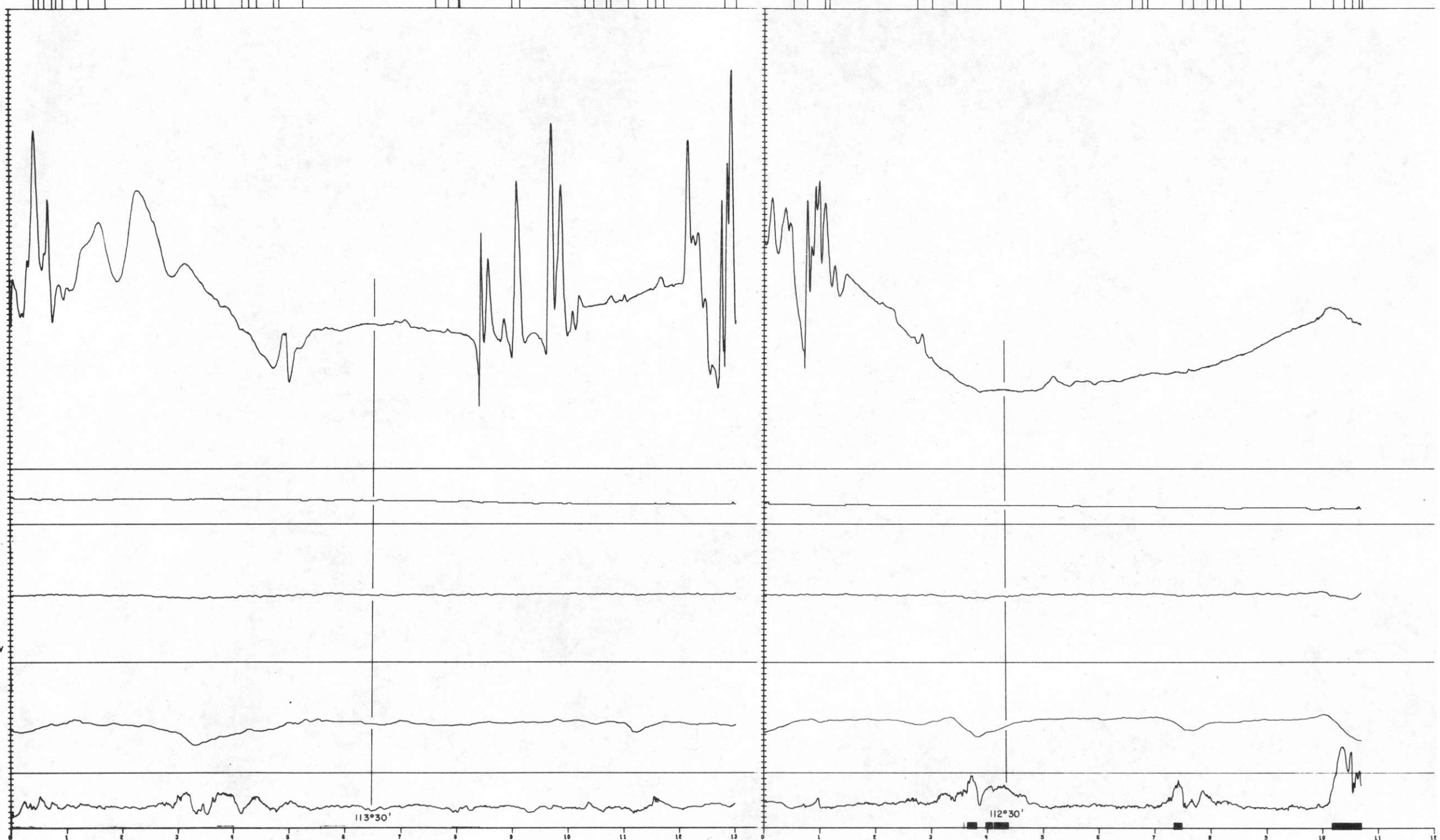
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 10 GAMMA/DIV
 BASE = -500

 BMAG
 5 GAMMA/DIV
 BASE = 55280

 PRESSURE
 0.25 IN HG/DIV
 BASE = 20

 TEMP
 1 DEG C/DIV
 BASE = 10

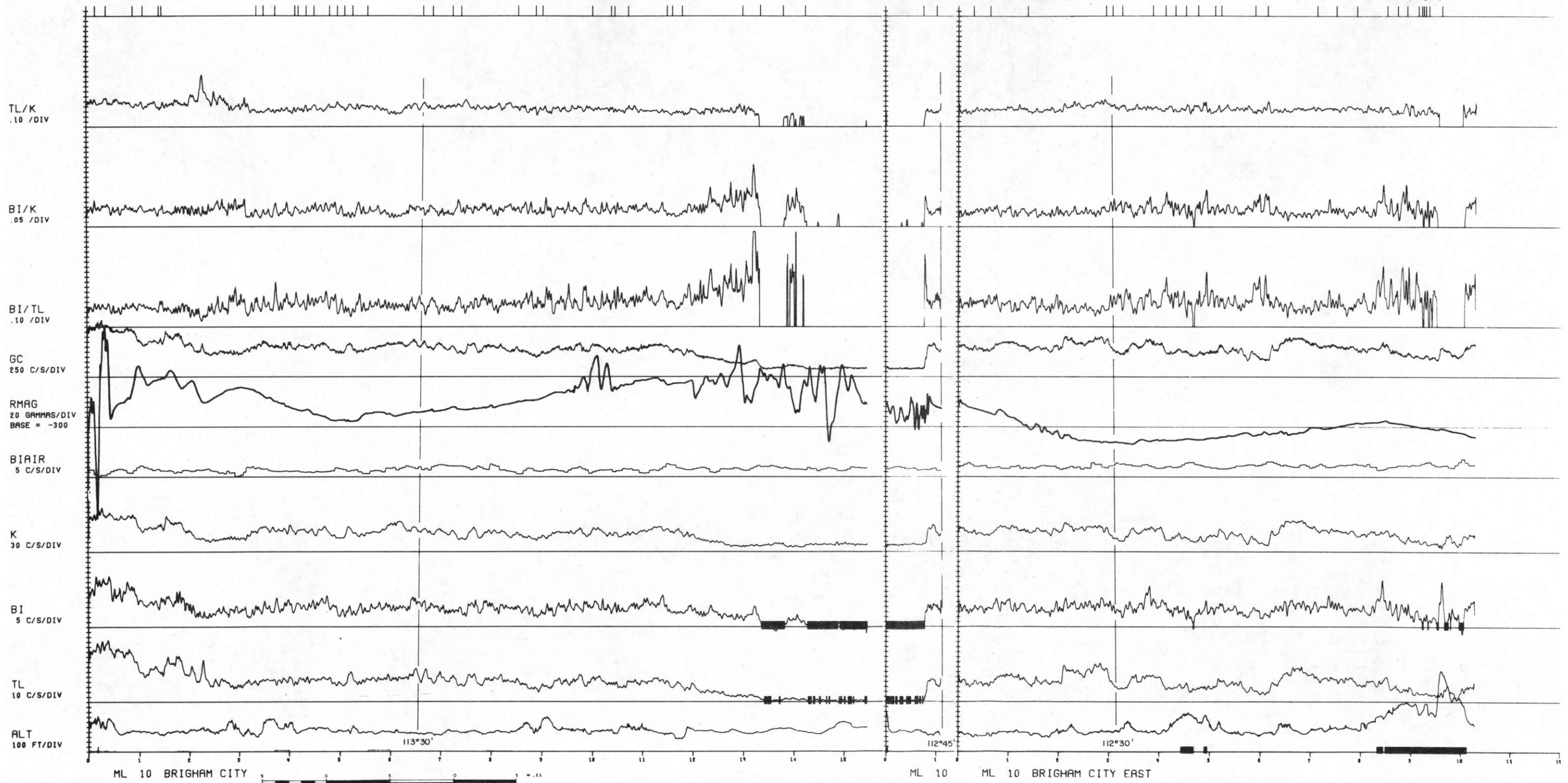
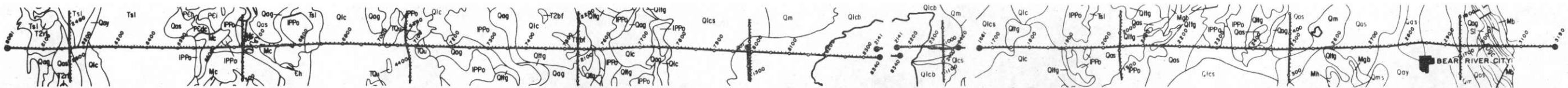
 ALT
 100 FT/DIV



ML 9 BRIGHAM CITY WEST

ML 9 BRIGHAM CITY EAST

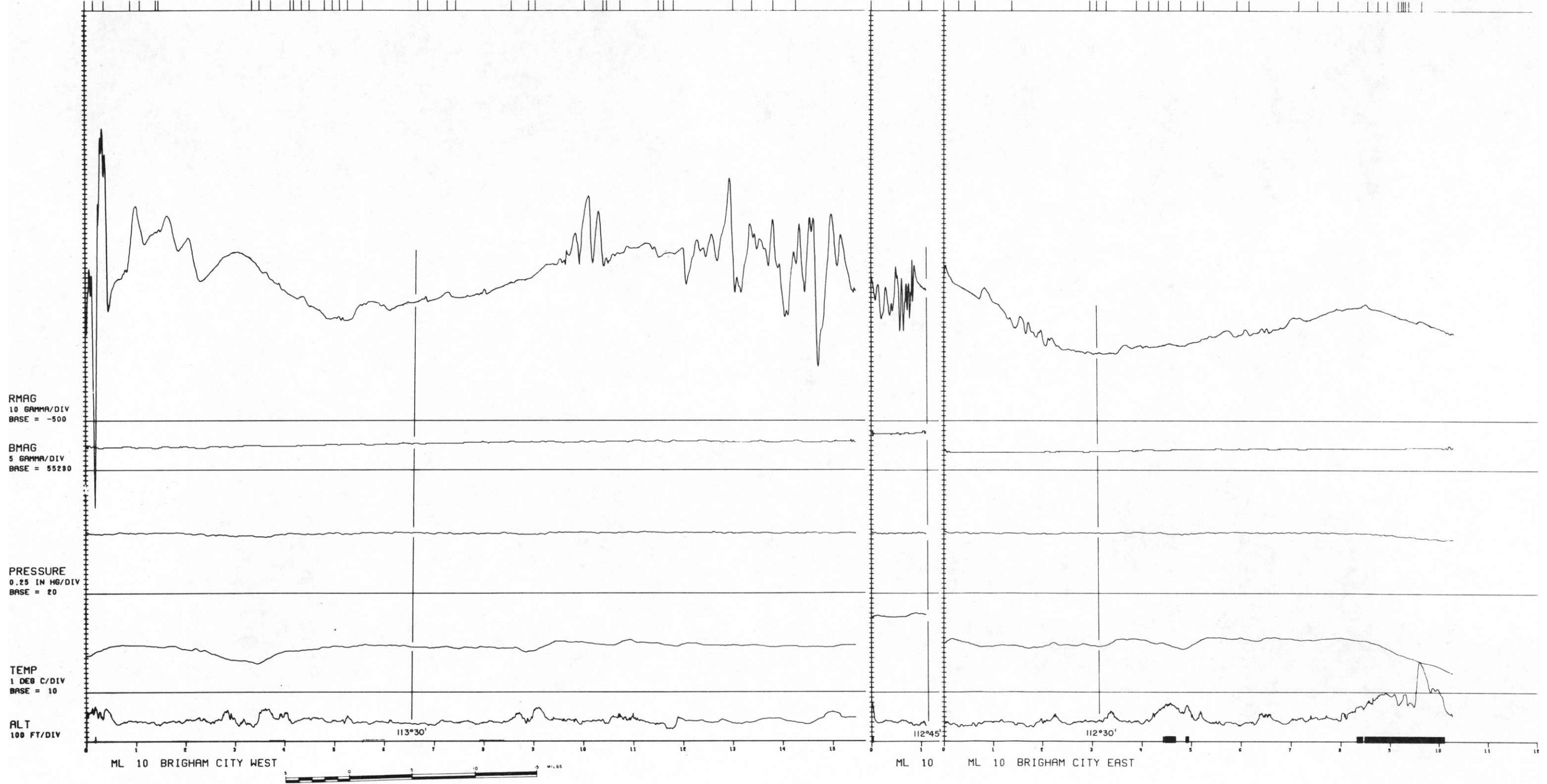
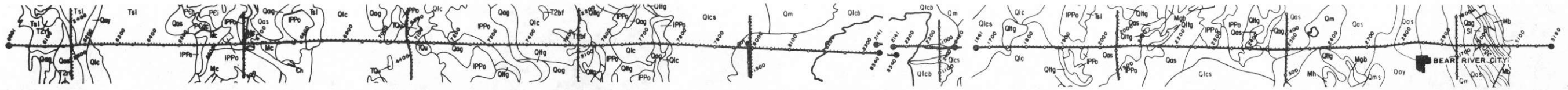


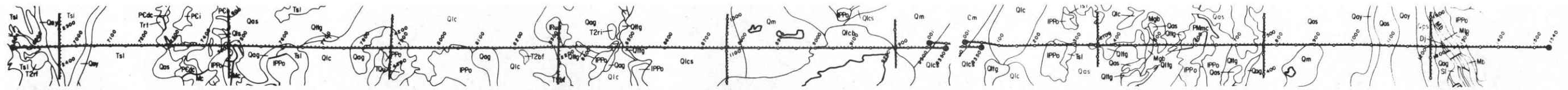


ML 10 BRIGHAM CITY

ML 10

ML 10 BRIGHAM CITY EAST





TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

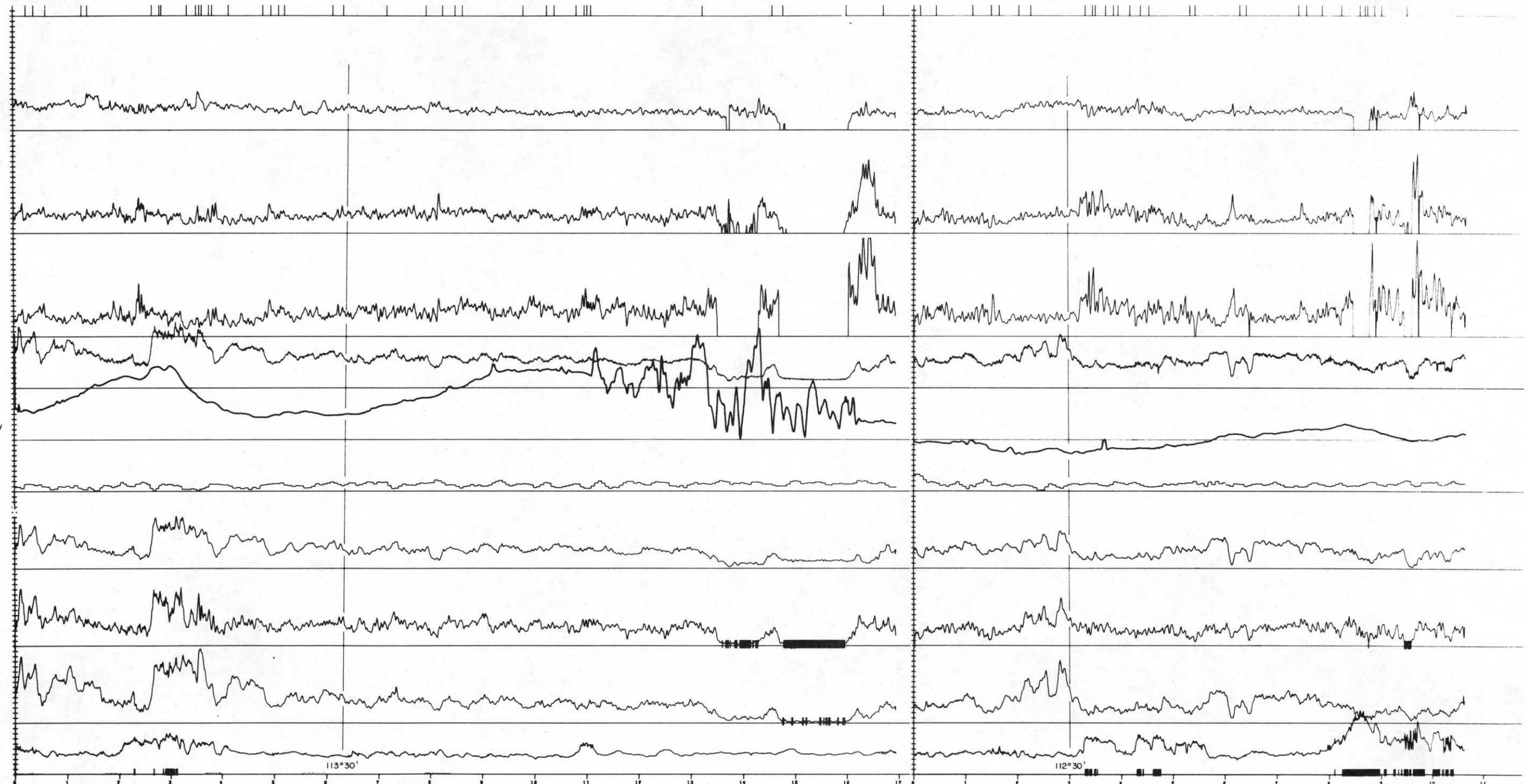
BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV



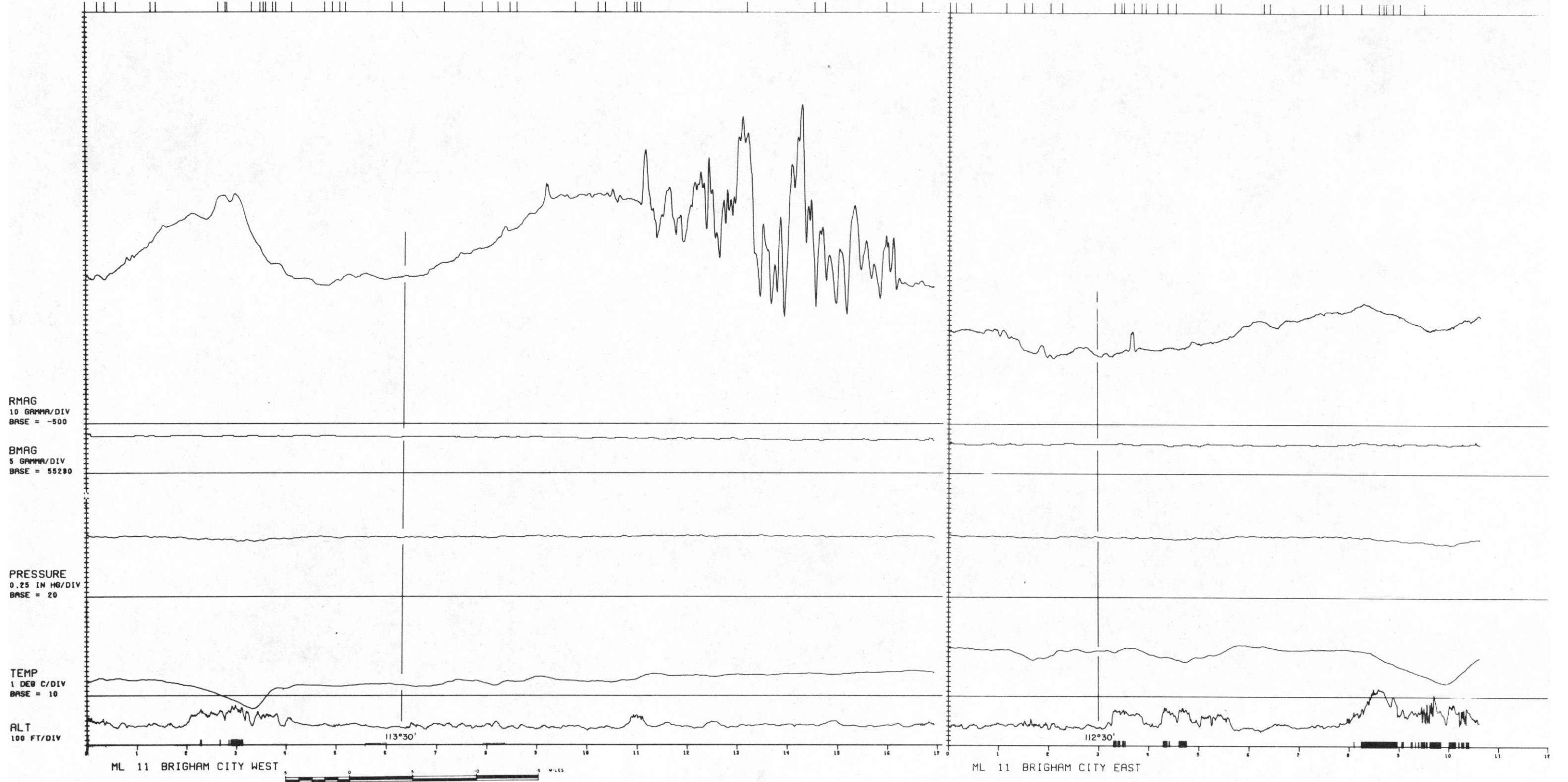
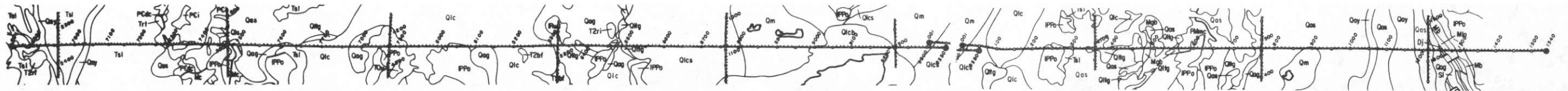
ML 11 BRIGHAM CITY

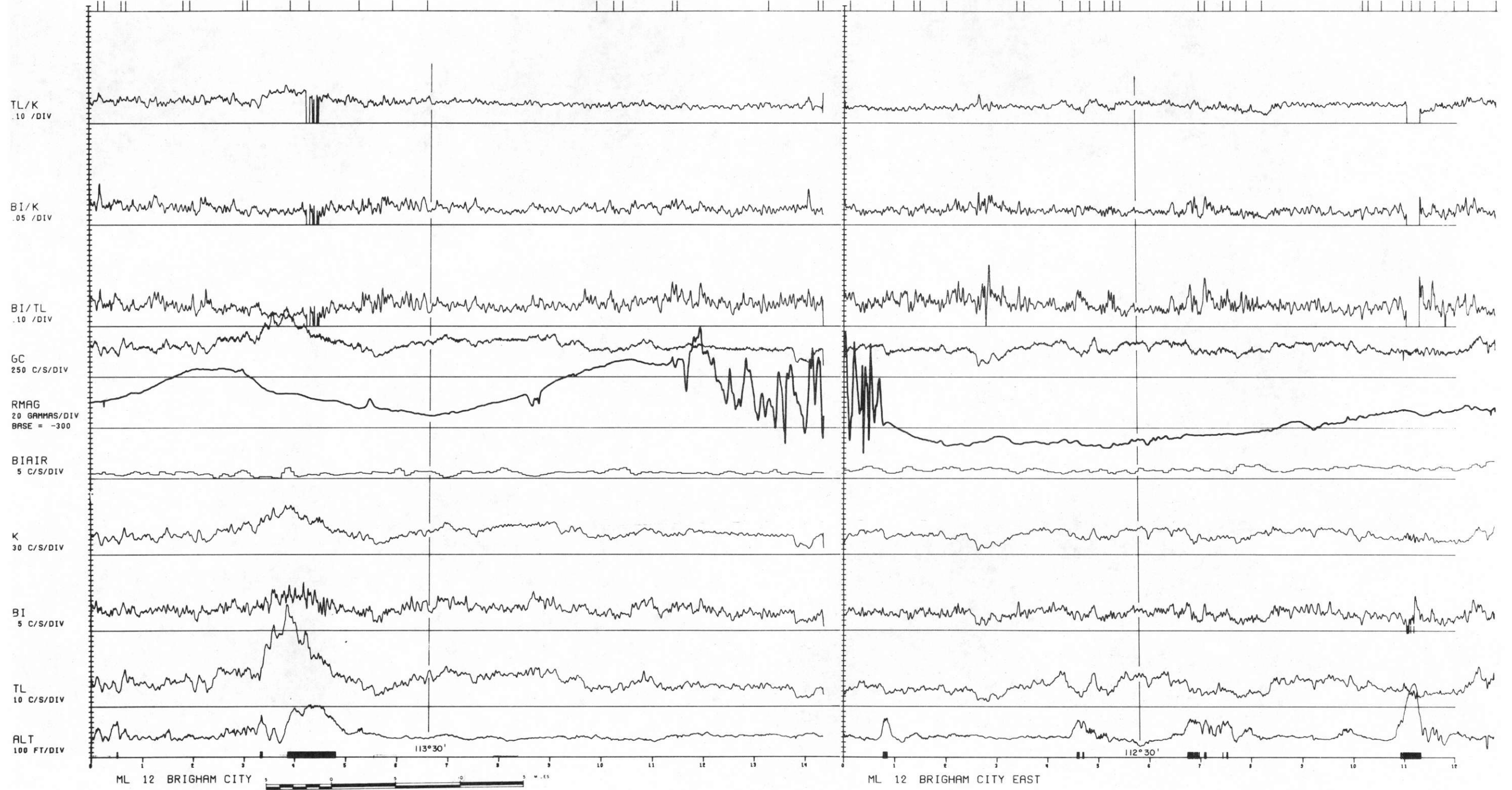
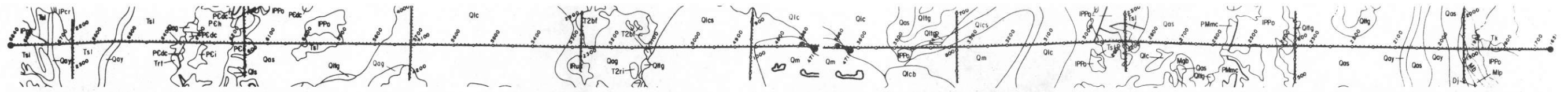
ML 11 BRIGHAM CITY EAST

113°30'

112°30'

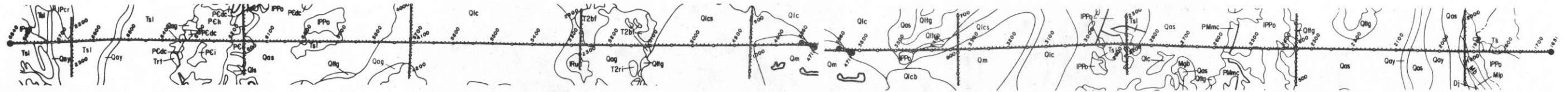






ML 12 BRIGHAM CITY

ML 12 BRIGHAM CITY EAST



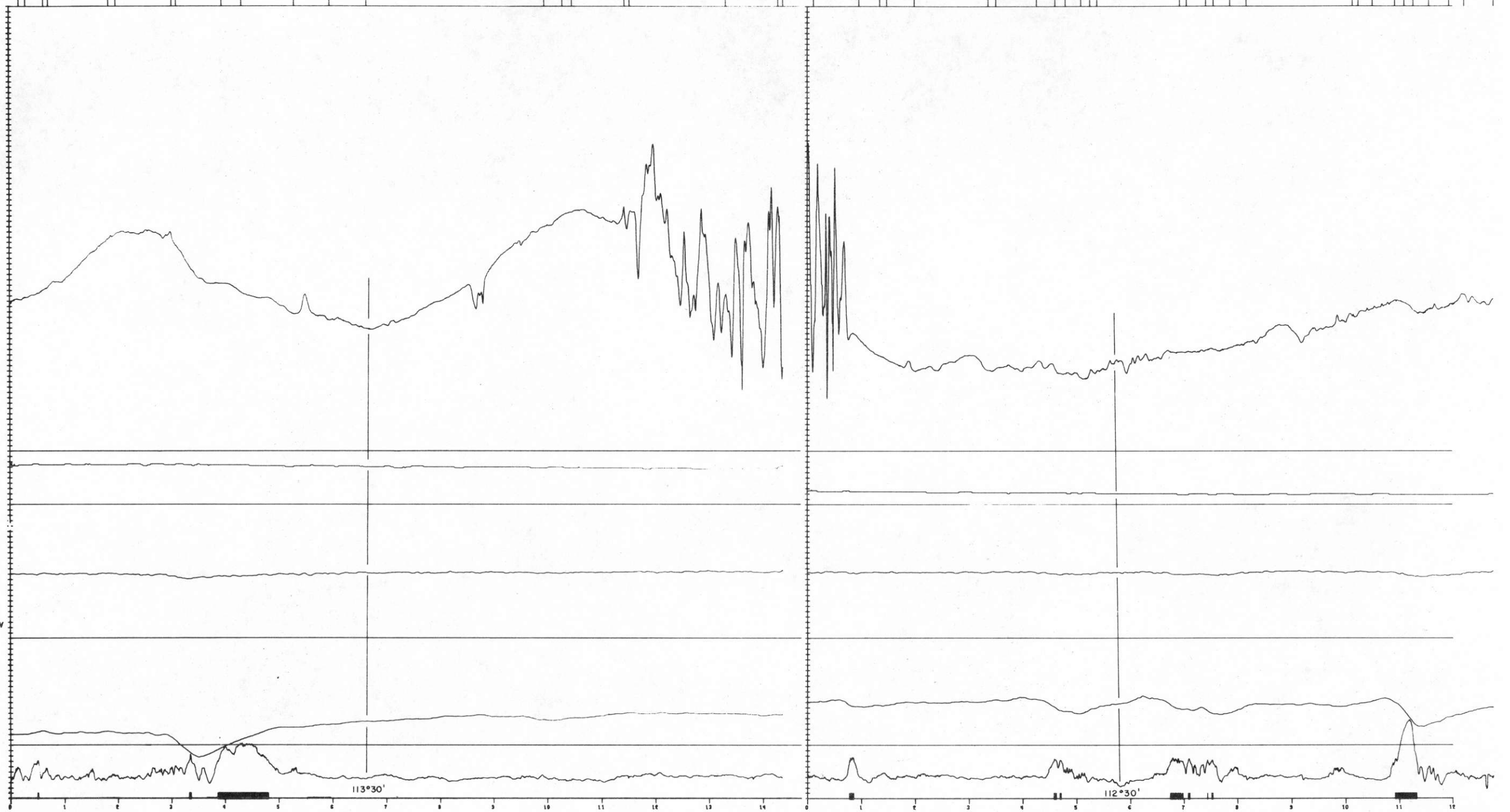
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

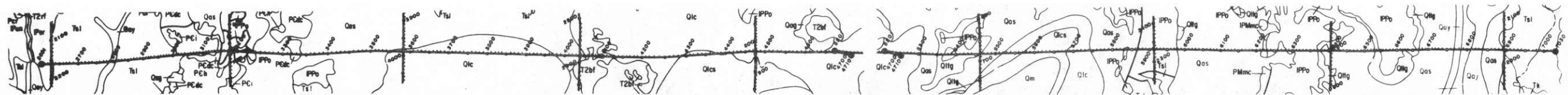
ALT
100 FT/DIV



ML 12 BRIGHAM CITY WEST

ML 12 BRIGHAM CITY EAST





TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

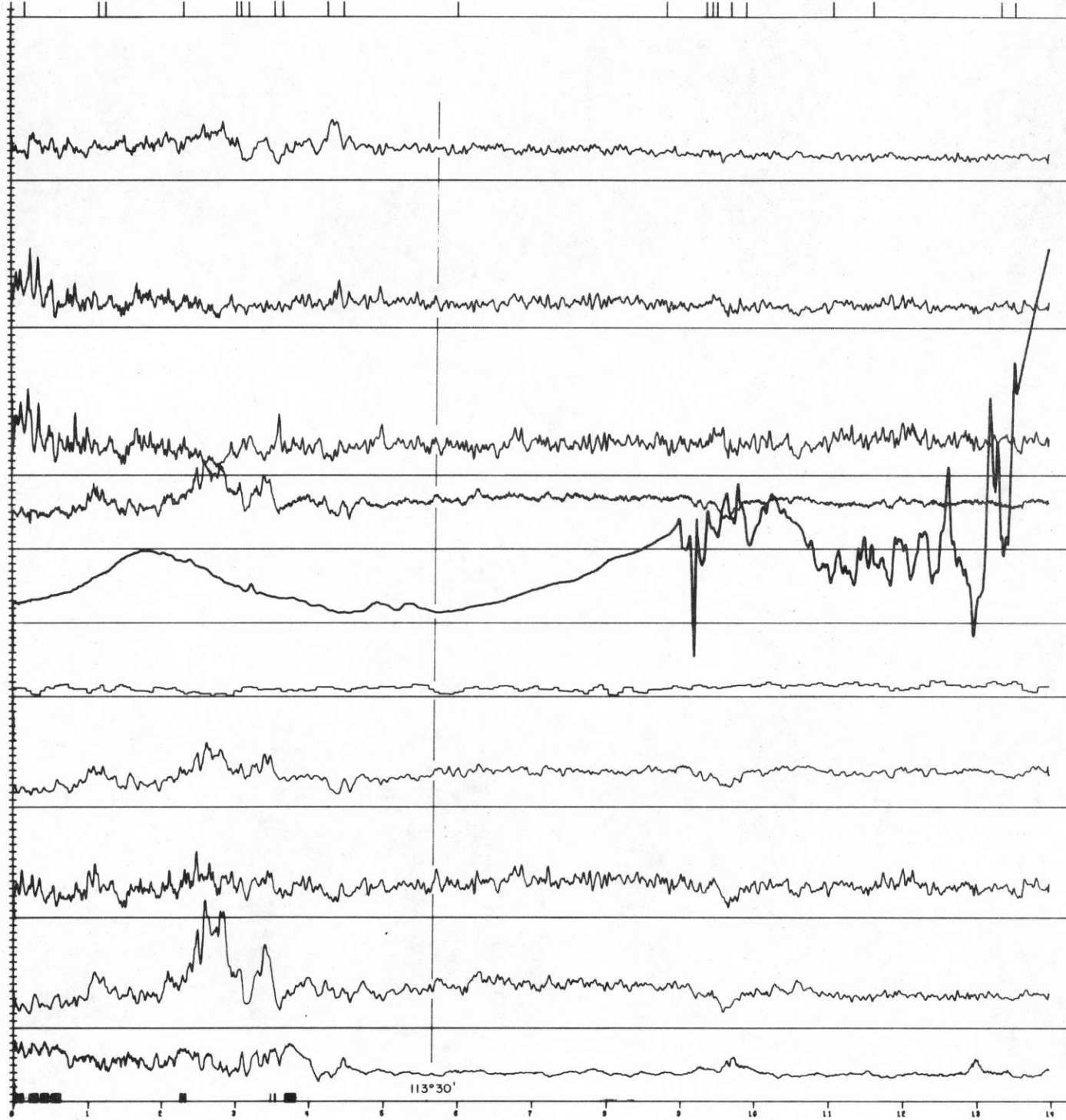
BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

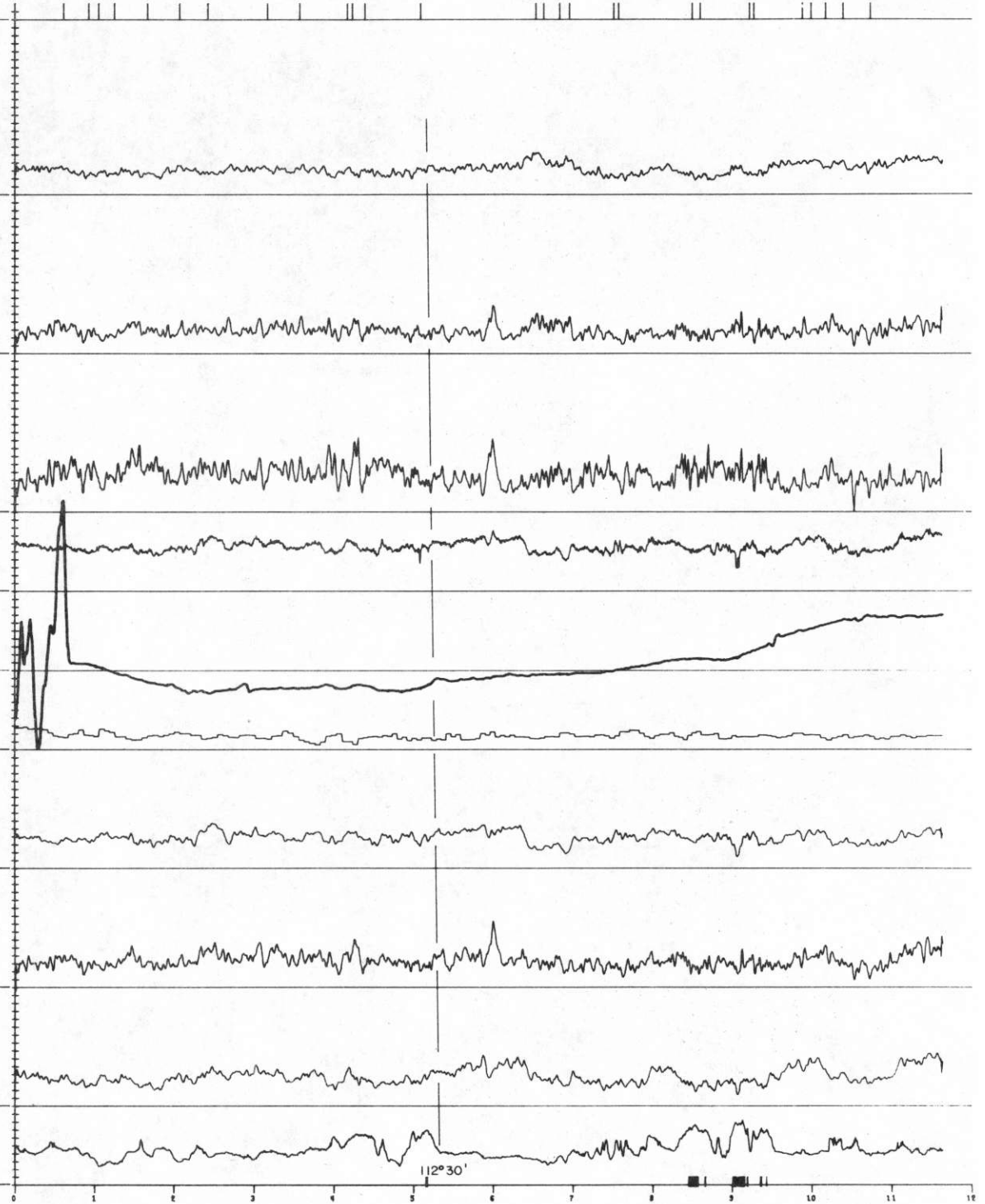
ALT
100 FT/DIV



ML 13 BRIGHAM CITY

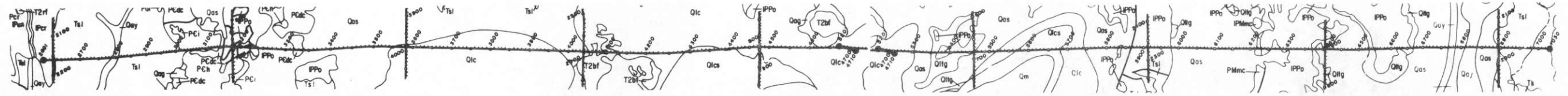


113°30'



ML 13 BRIGHAM CITY EAST

112°30'



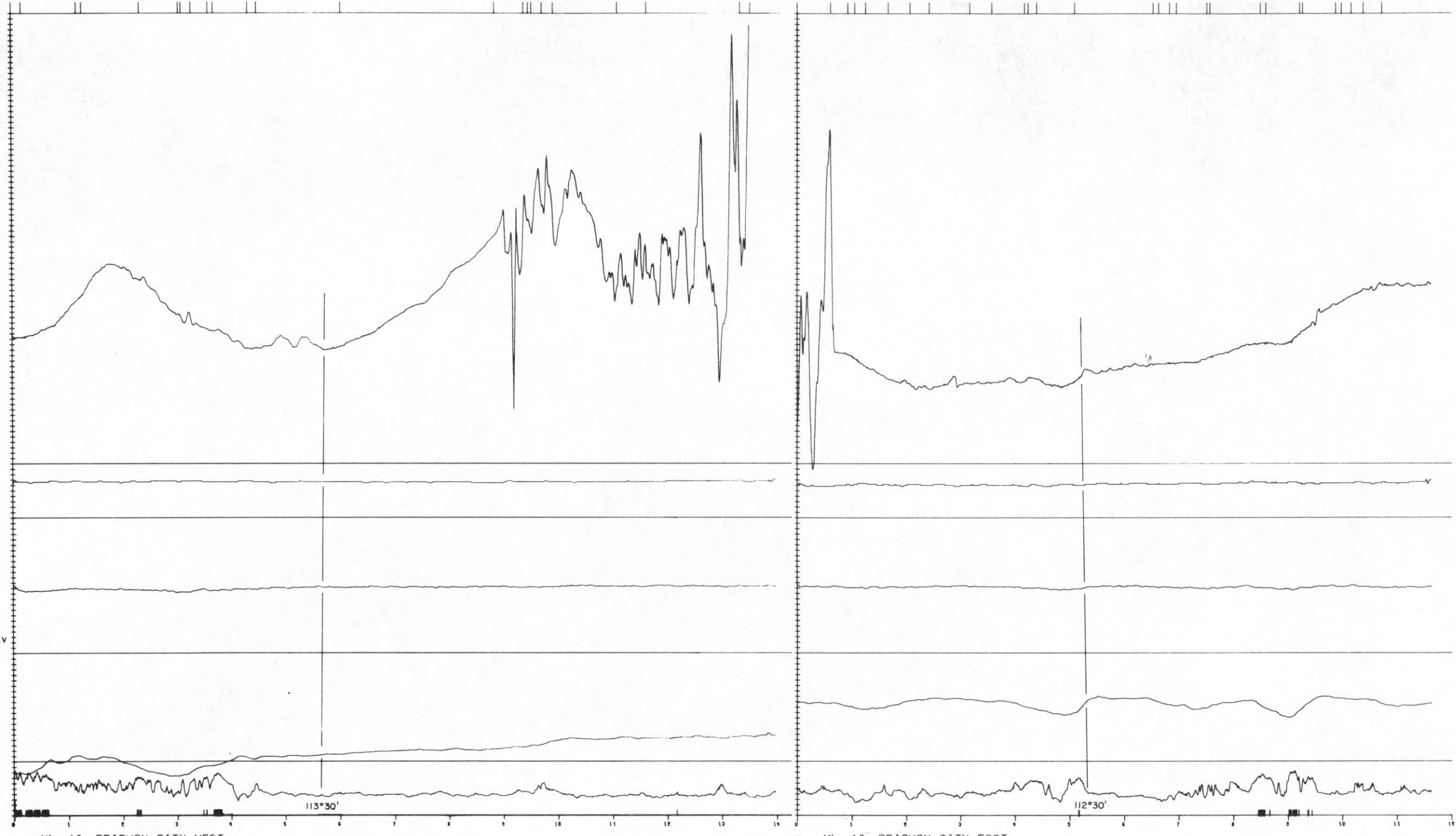
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

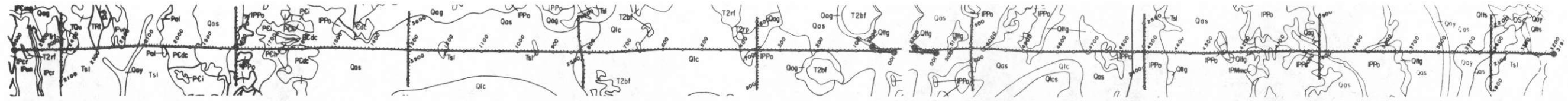
ALT
100 FT/DIV



ML 13 BRIGHAM CITY WEST

ML 13 BRIGHAM CITY EAST





TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

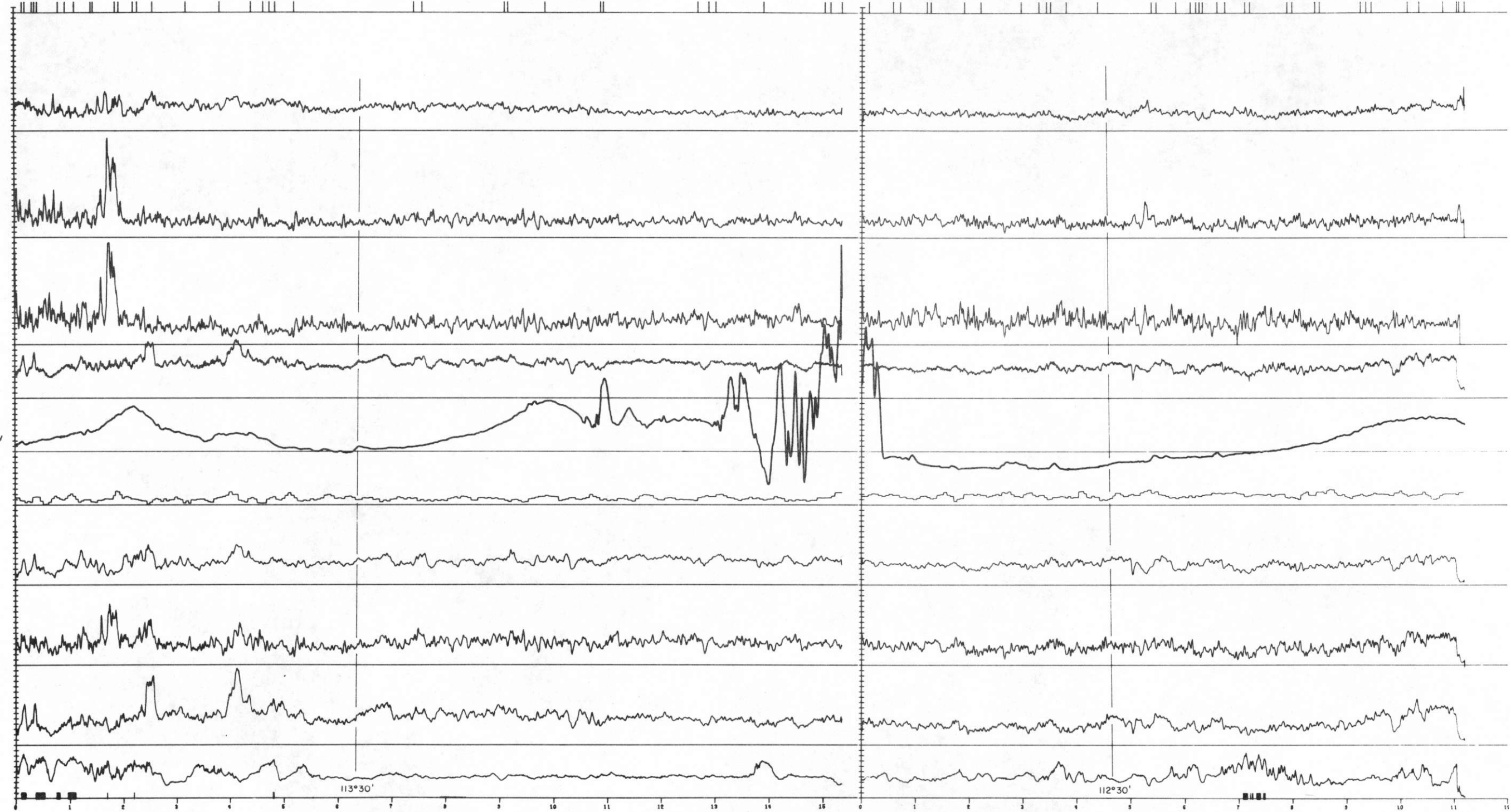
BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV



ML 14 BRIGHAM CITY

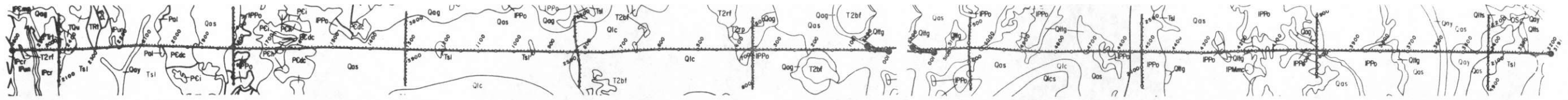


ML 14 BRIGHAM CITY EAST



113°30'

112°30'



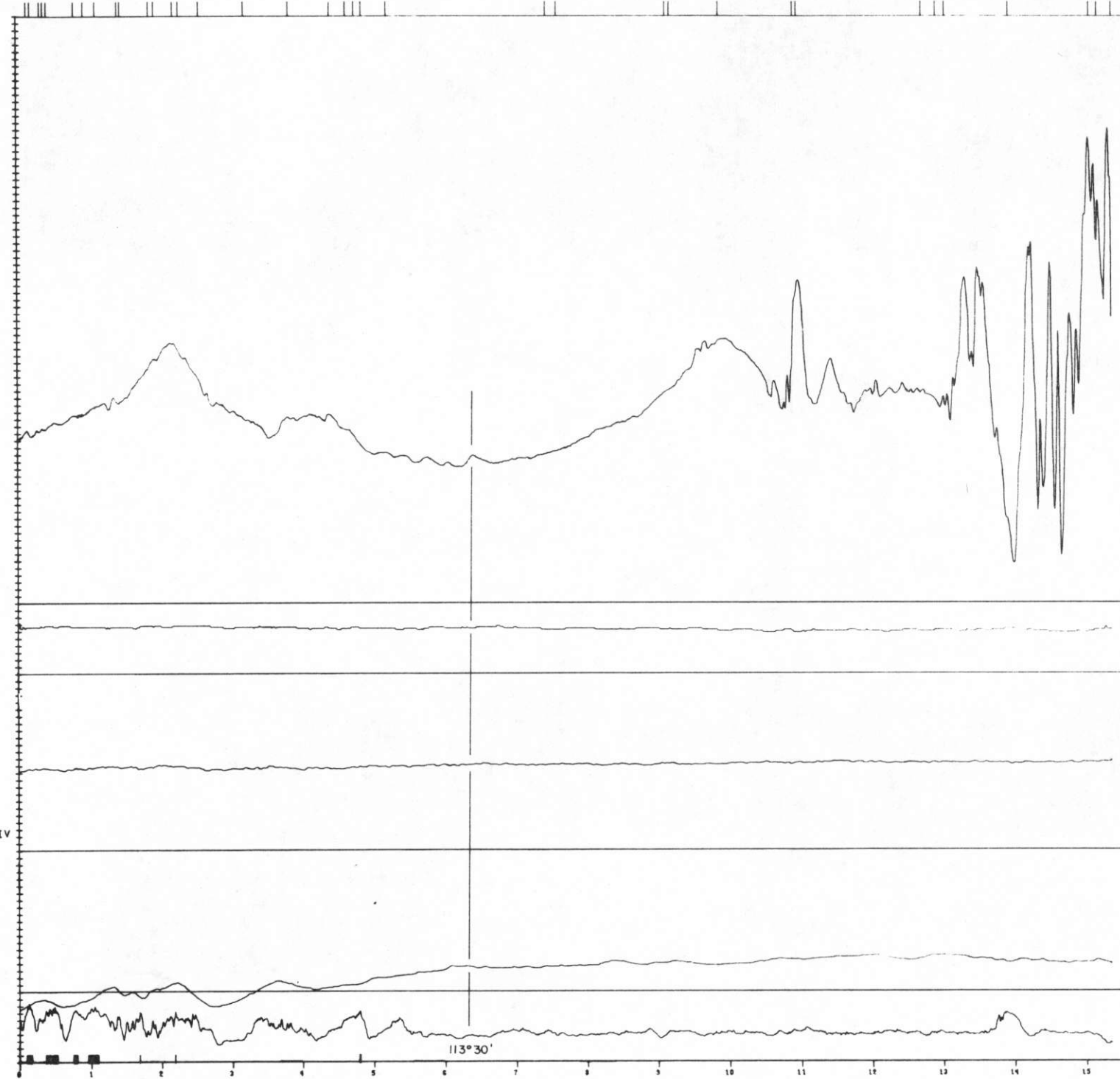
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

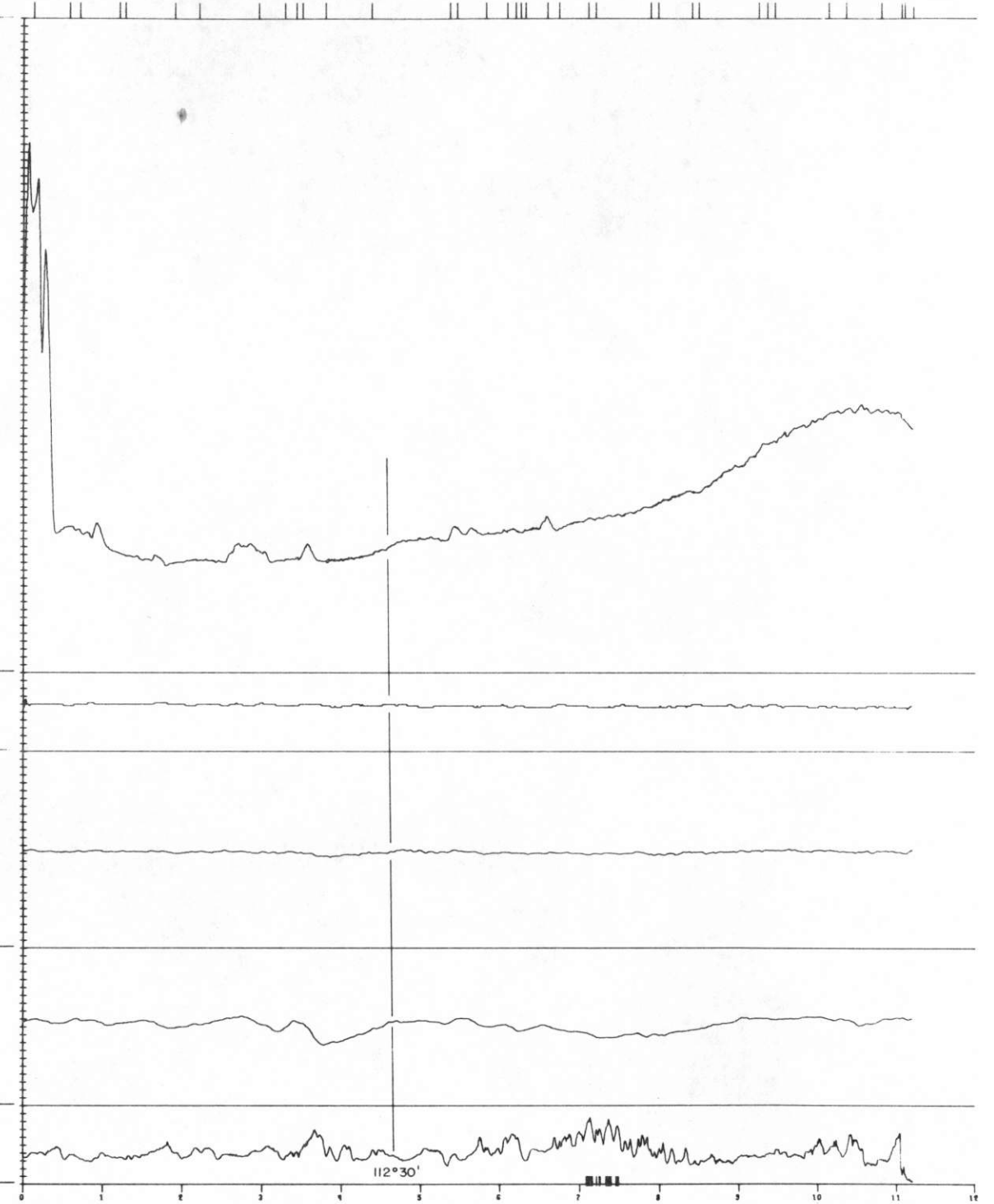
PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

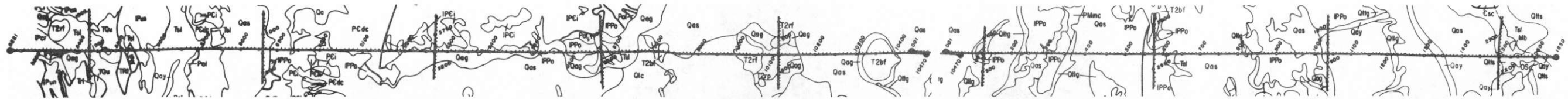
ALT
100 FT/DIV



ML 14 BRIGHAM CITY WEST



ML 14 BRIGHAM CITY EAST



TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV



ML 15 BRIGHAM CITY WEST

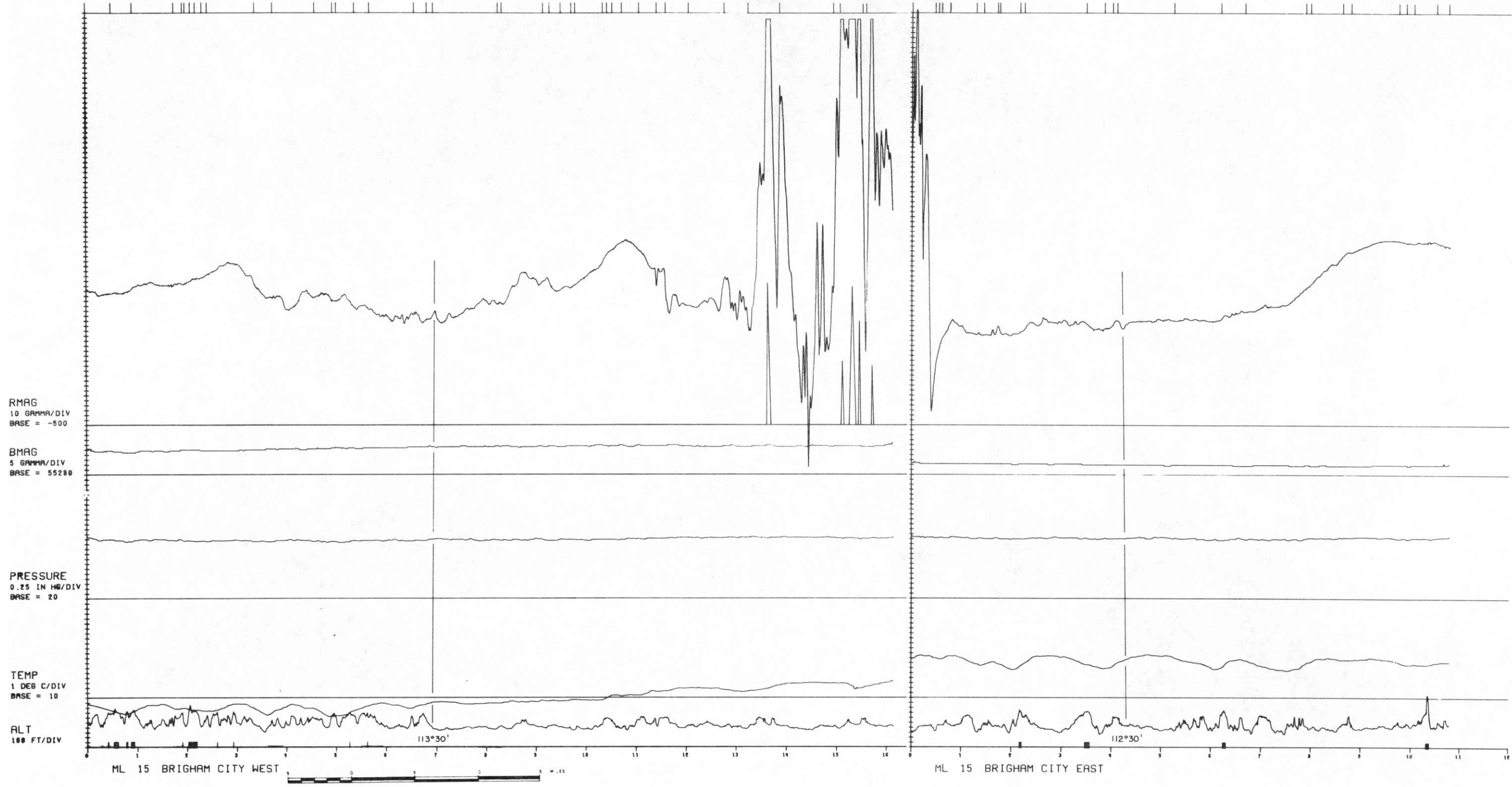
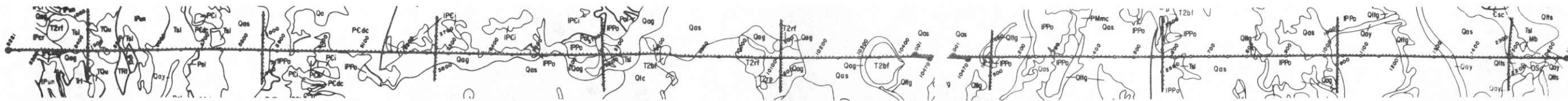


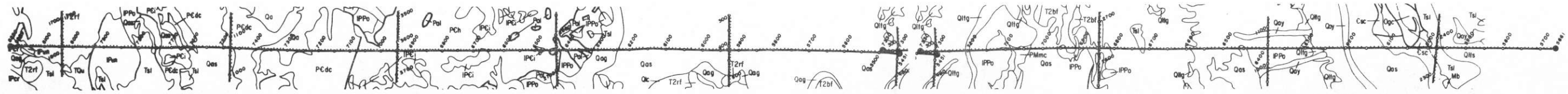
ML 15 BRIGHAM CITY EAST



113° 30'

112° 30'





TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV

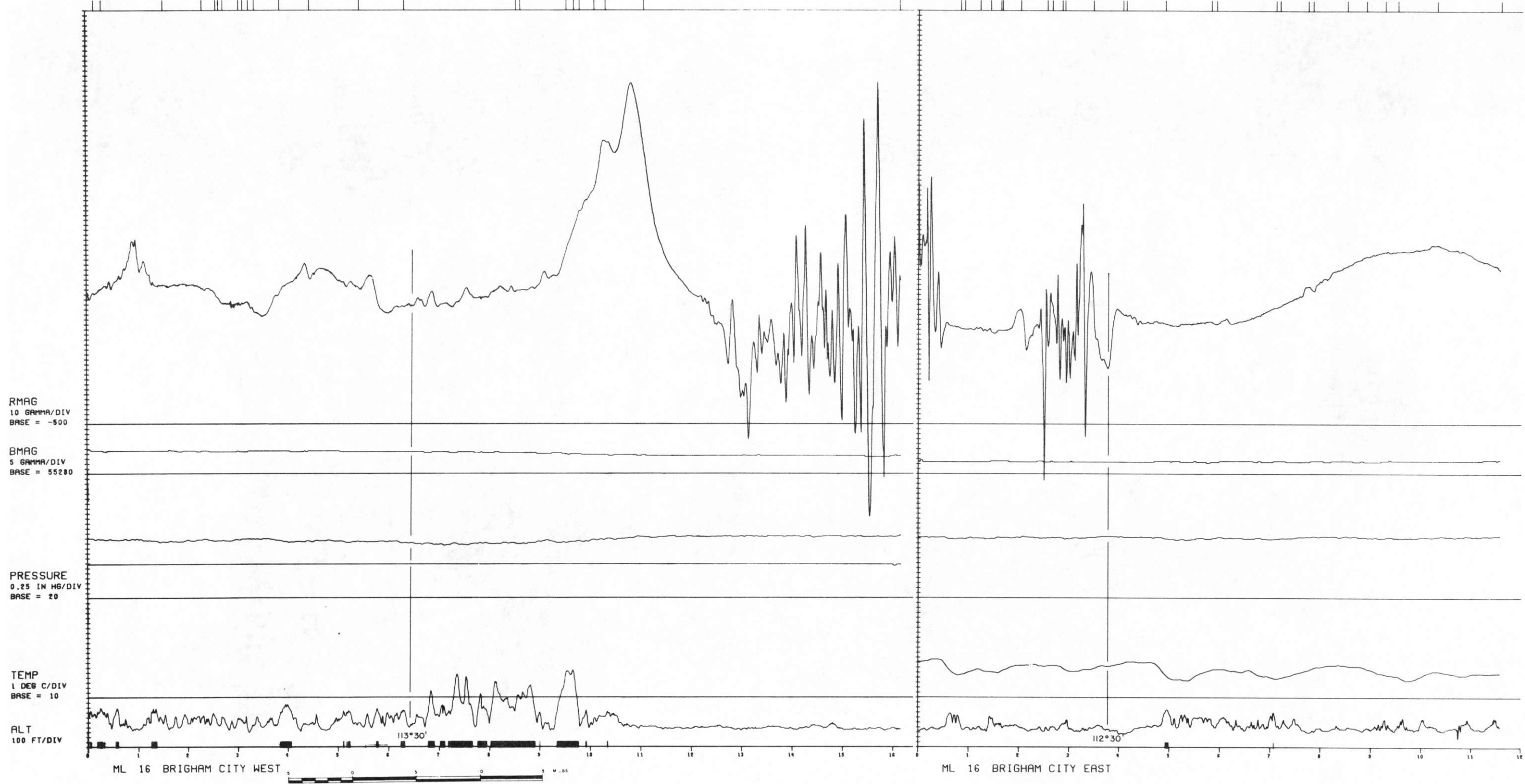
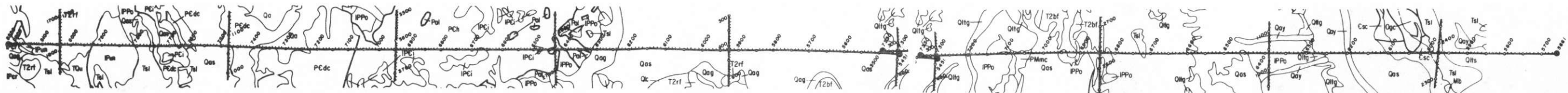
ML 16 BRIGHAM CITY

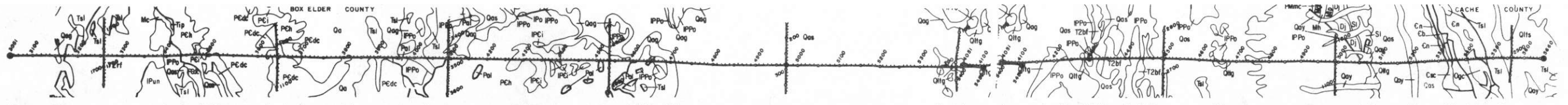
ML 16 BRIGHAM CITY EAST

113°30'

112°30'







TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

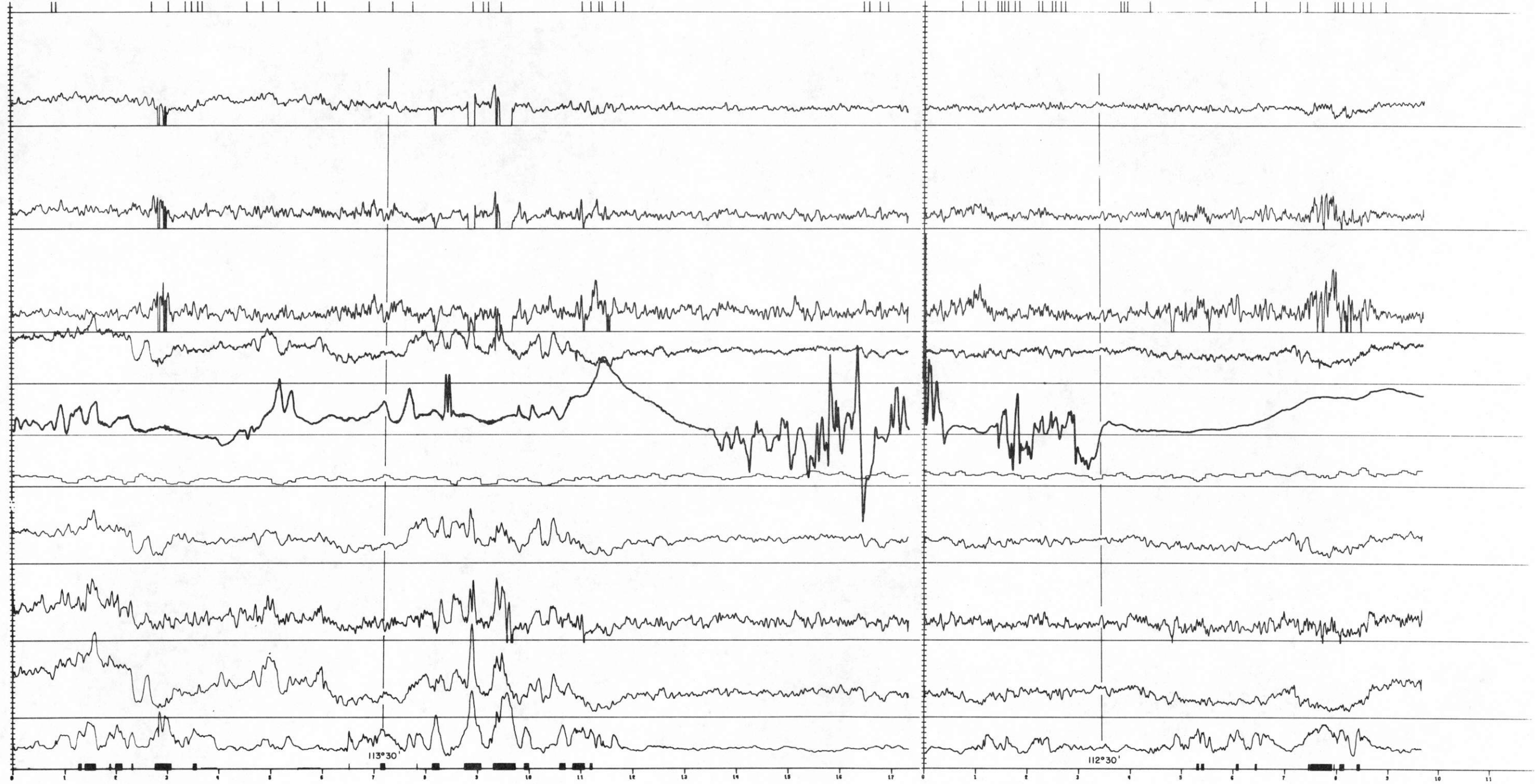
BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

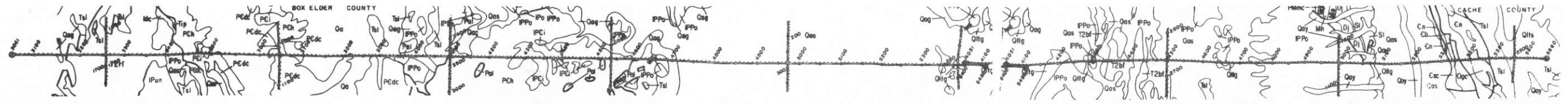
ALT
100 FT/DIV



ML 17 BRIGHAM CITY WEST

ML 17 BRIGHAM CITY EAST





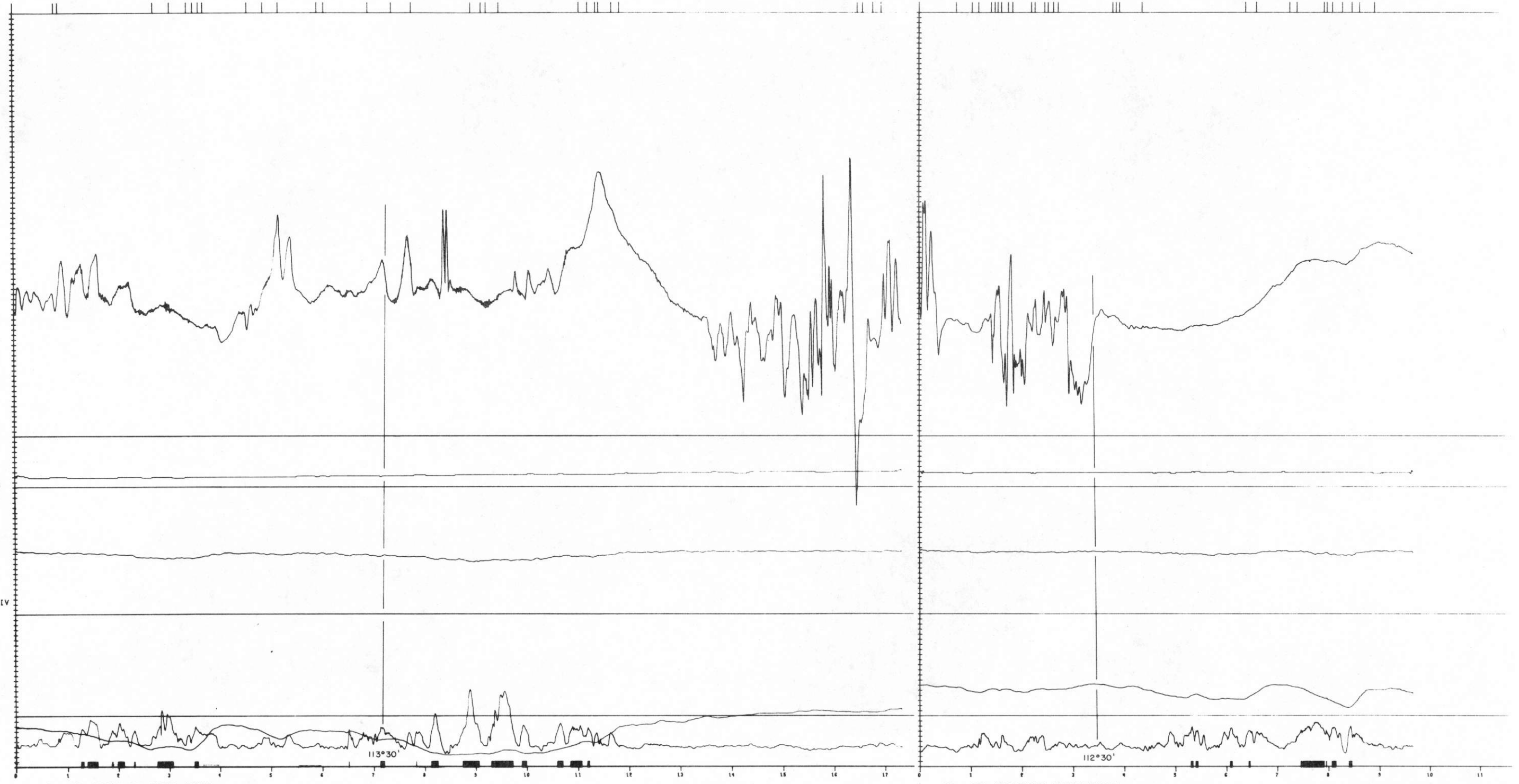
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

ALT
100 FT/DIV



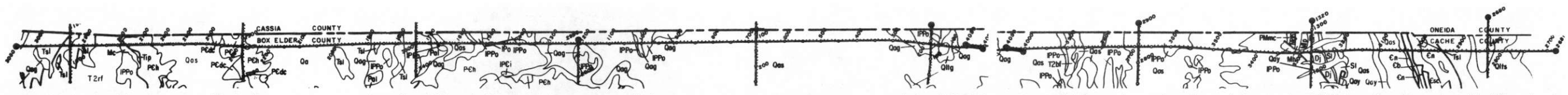
ML 17 BRIGHAM CITY WEST



ML 17 BRIGHAM CITY EAST

113°30'

112°30'



TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

RLT
100 FT/DIV

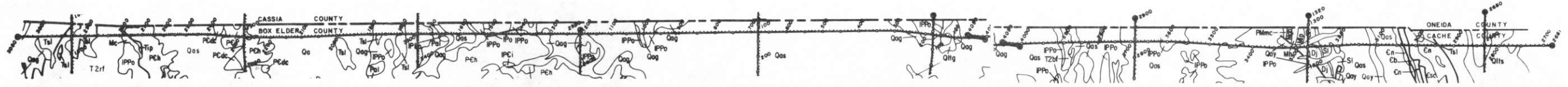
ML 18 BRIGHAM CITY



ML 18 BRIGHAM CITY EAST

113°30'

112°30'



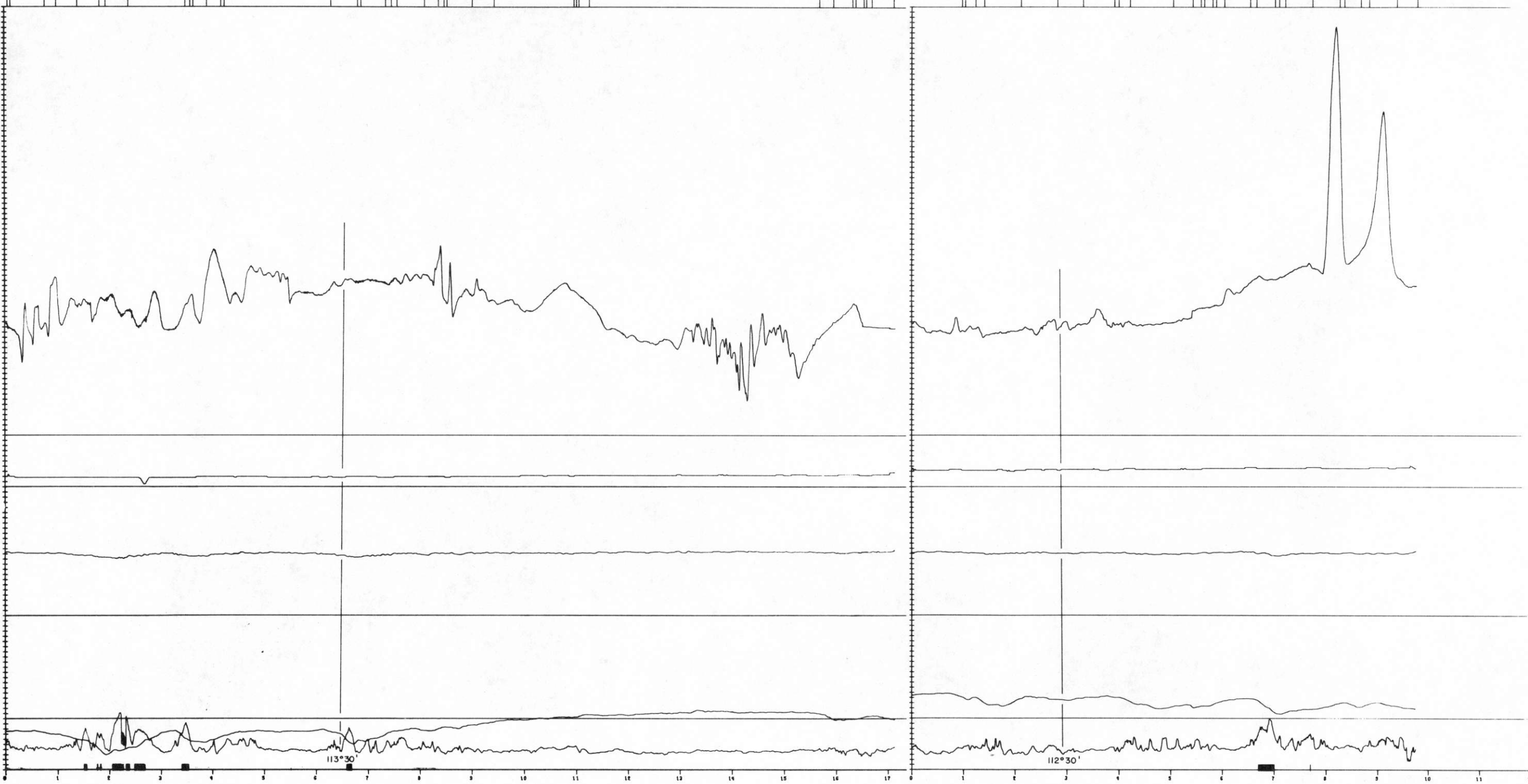
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

ALT
100 FT/DIV



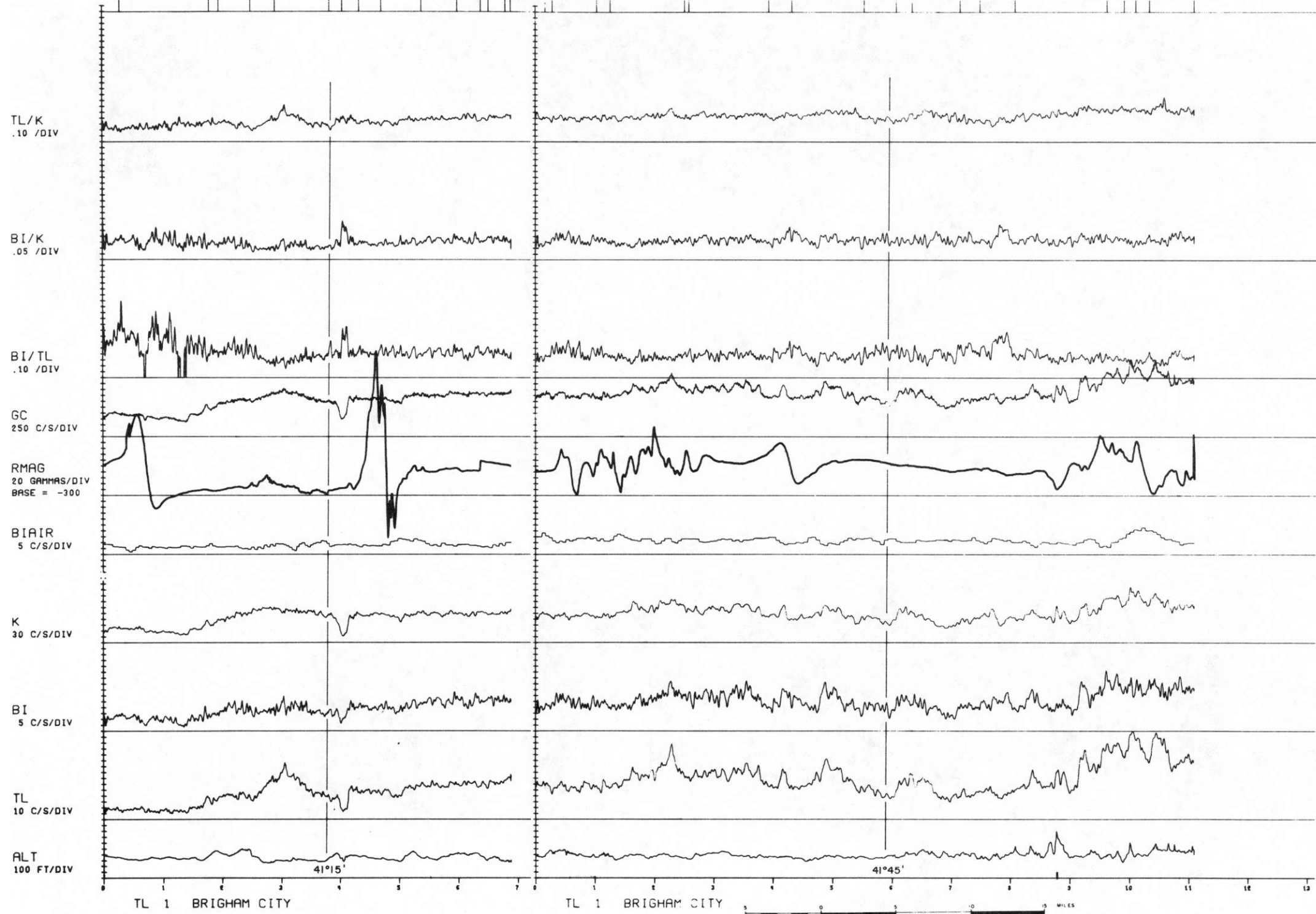
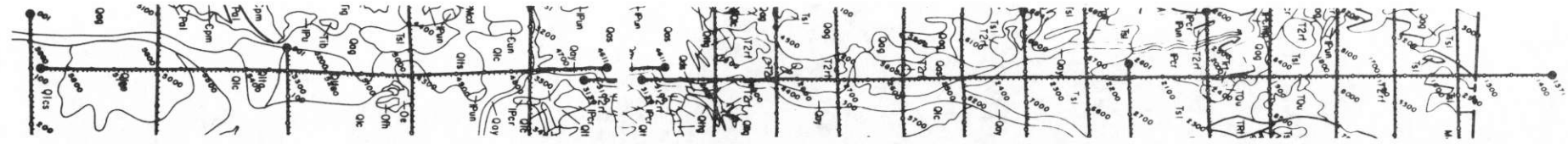
ML 18 BRIGHAM CITY WEST

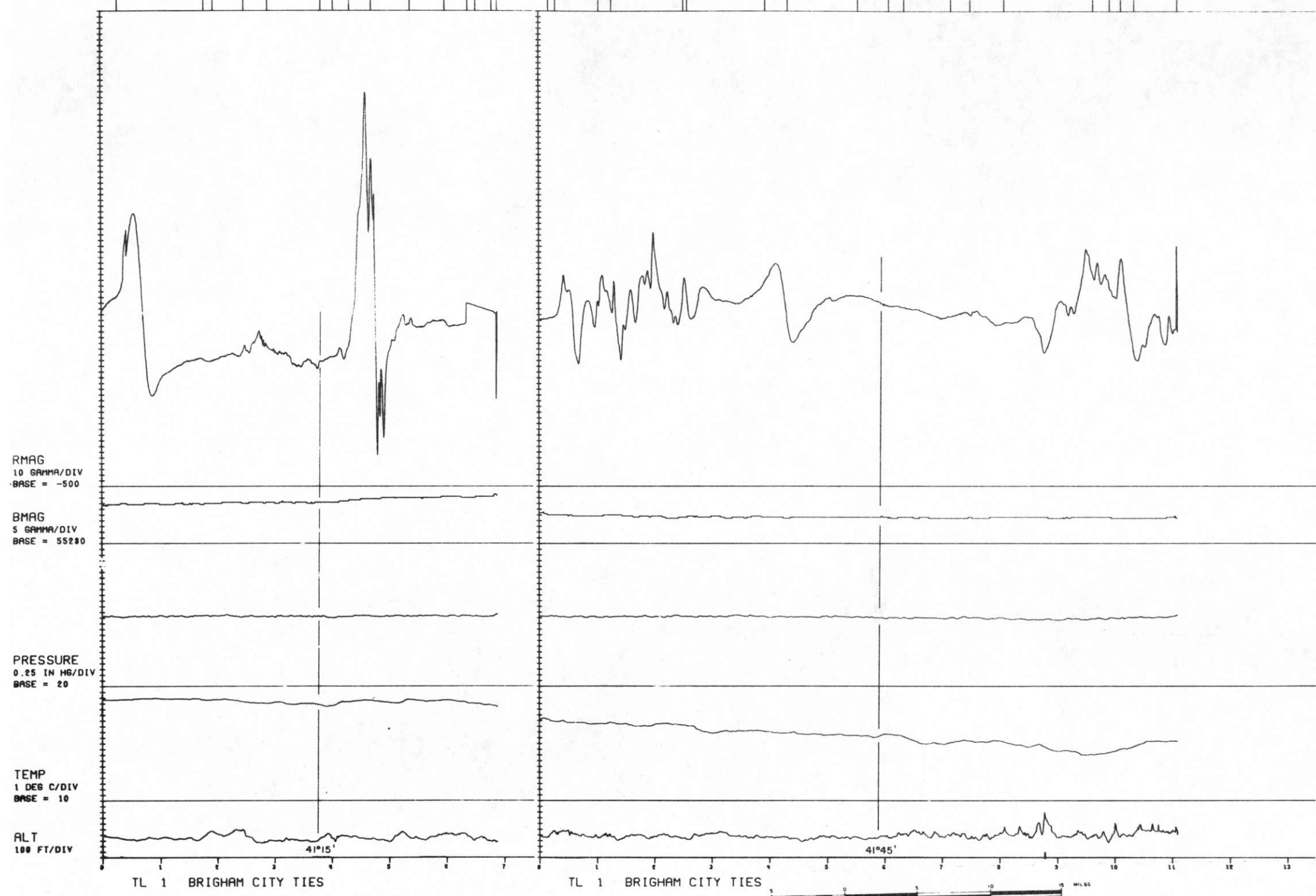
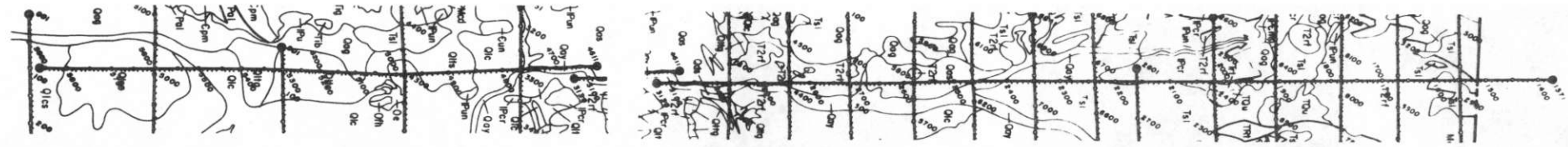
ML 18 BRIGHAM CITY EAST

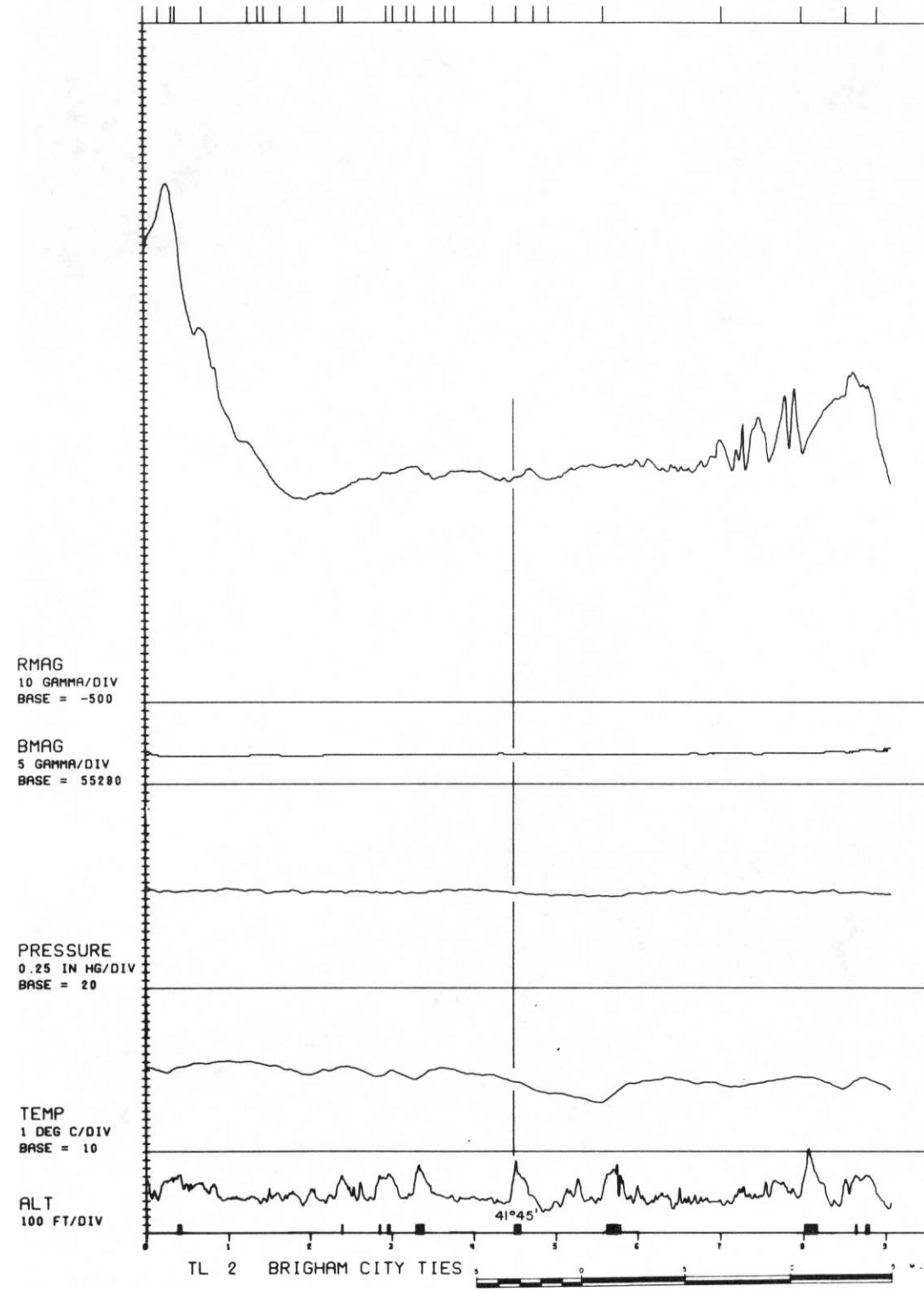
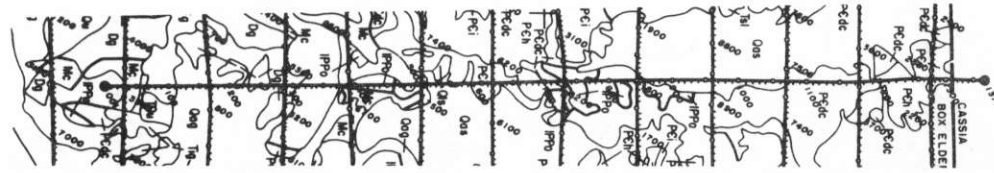


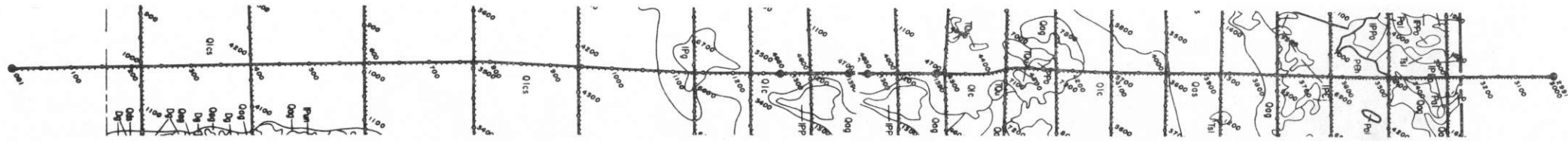
113° 30'

112° 30'









TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

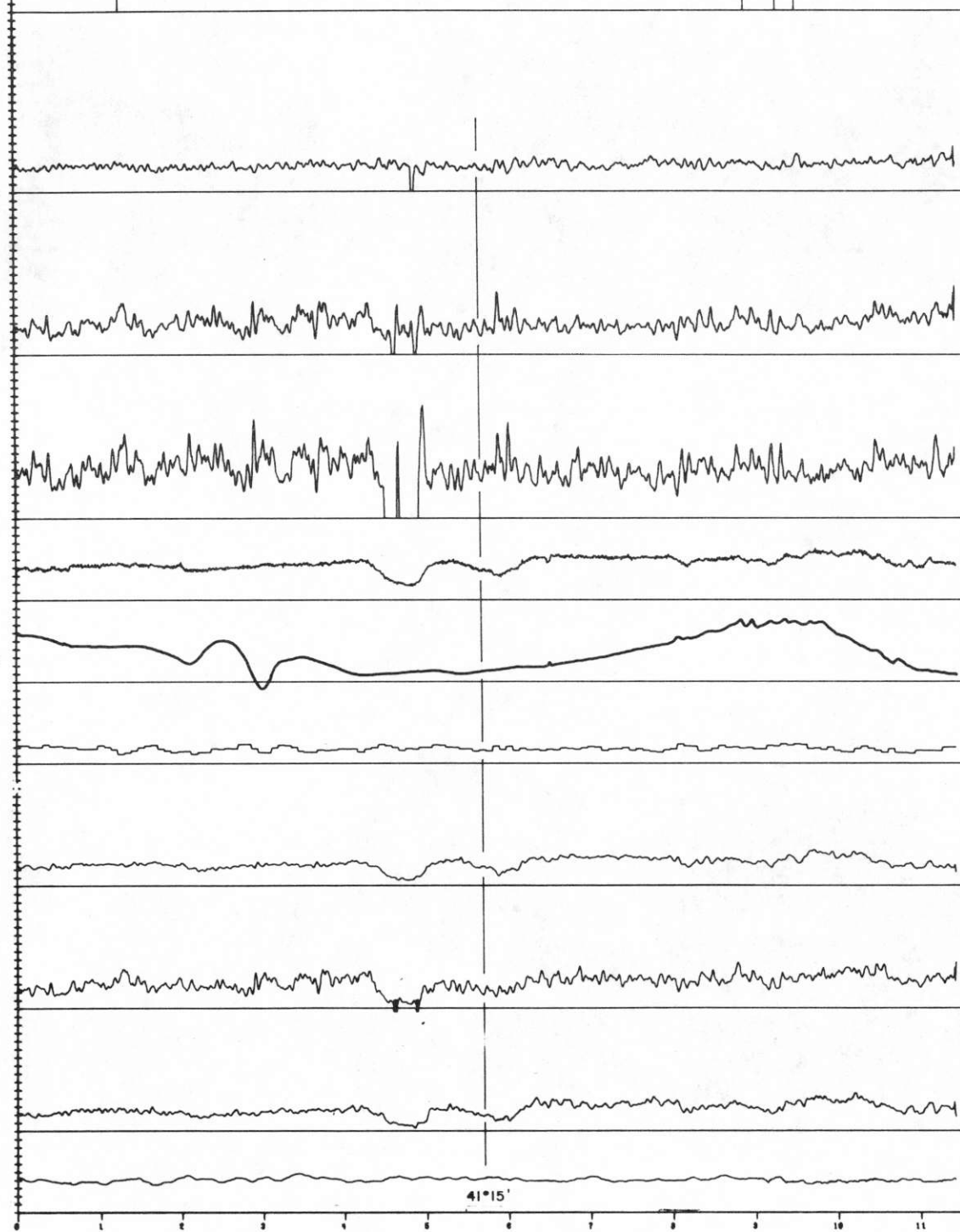
BIAIR
5 C/S/DIV

K
30 C/S/DIV

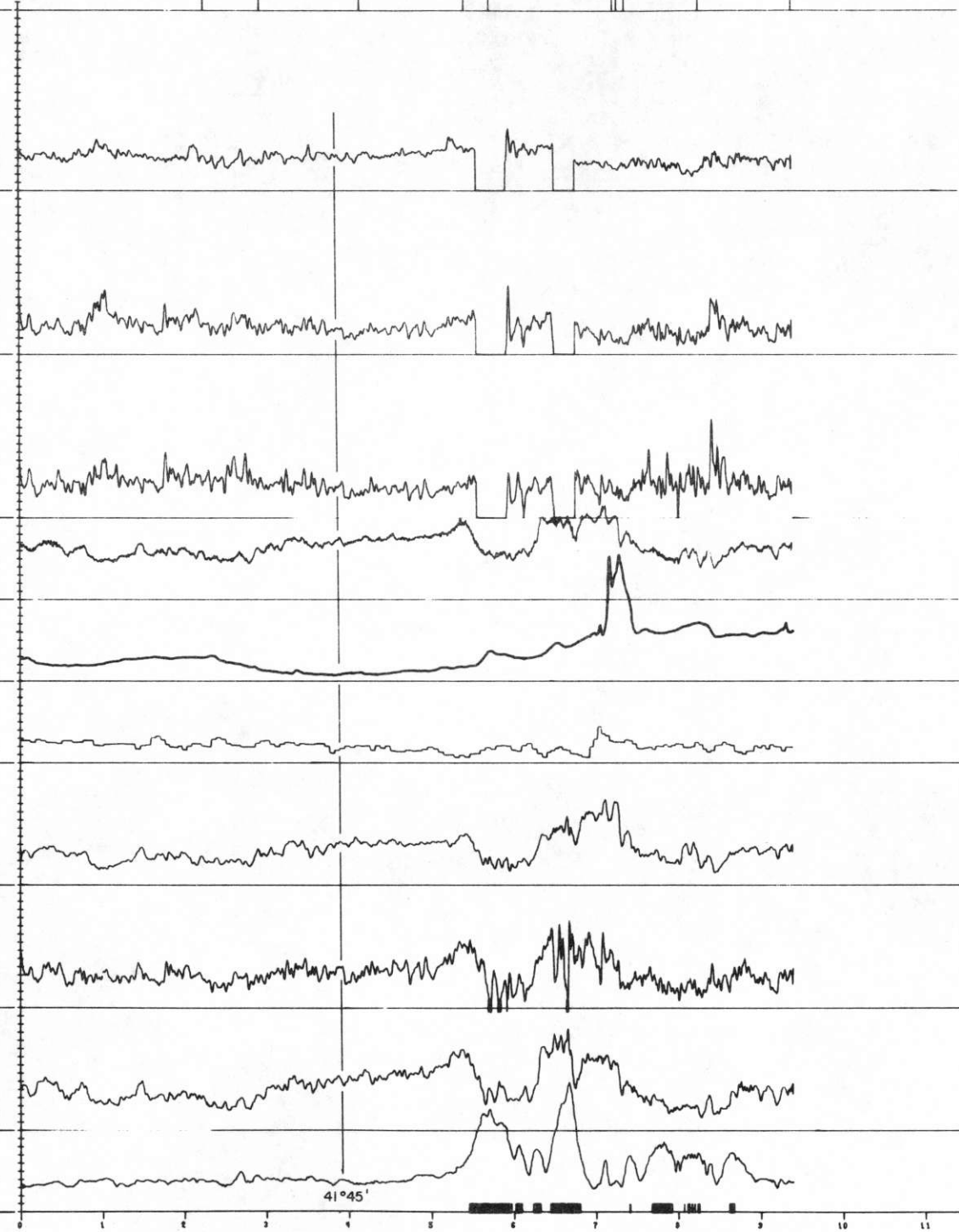
BI
5 C/S/DIV

TL
10 C/S/DIV

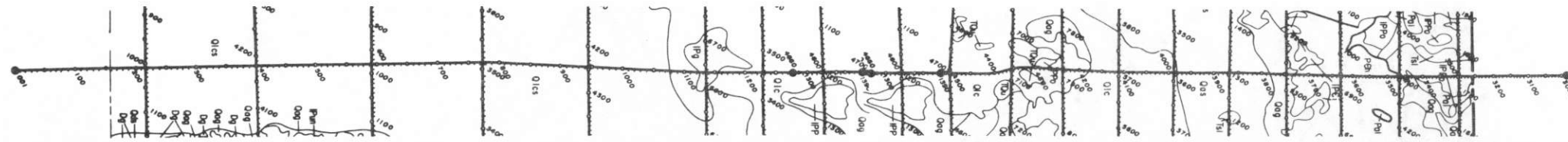
ALT
100 FT/DIV



TL 3 BRIGHAM CITY 41°15'



TL 3 BRIGHAM CITY 41°45'



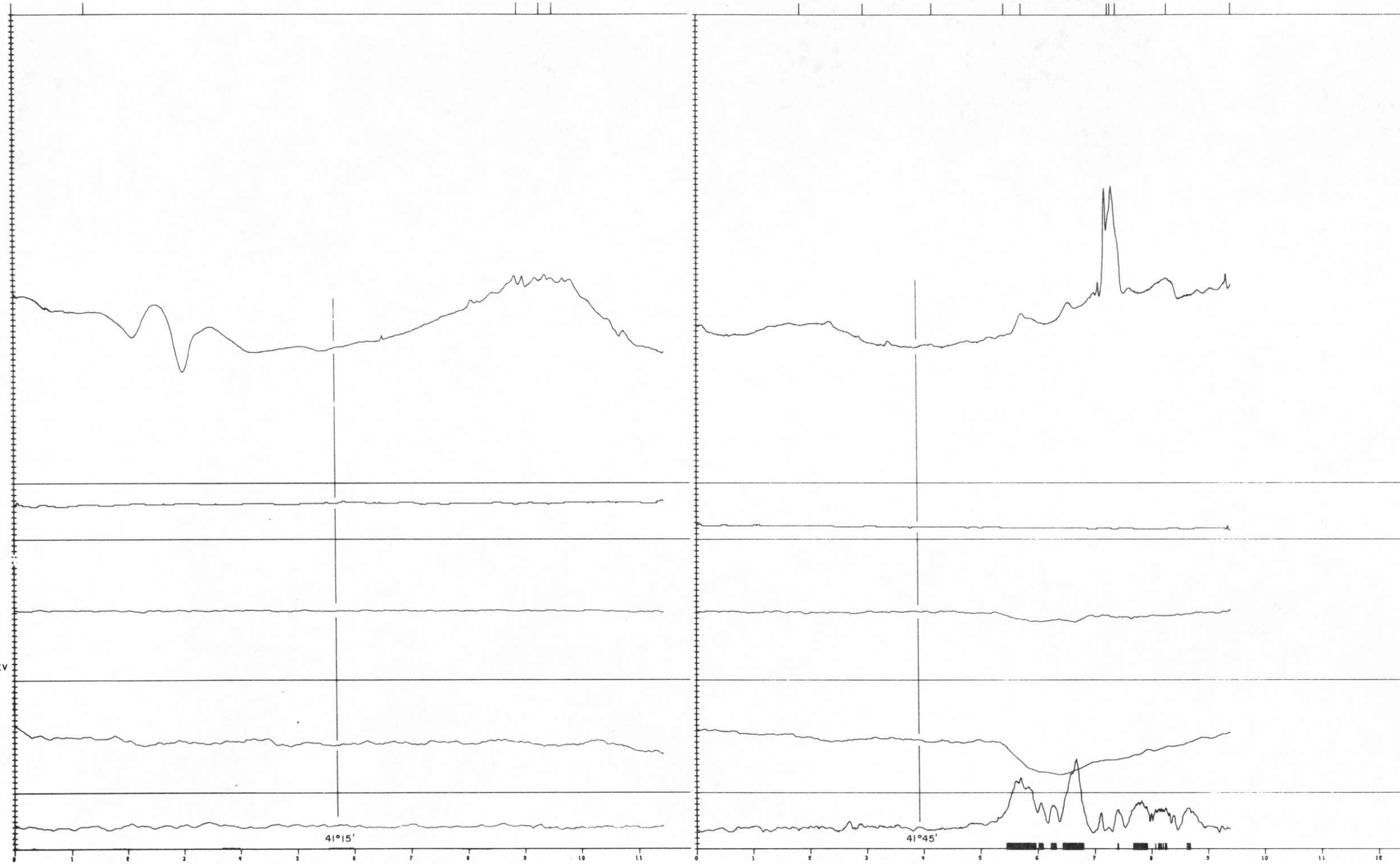
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55280

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

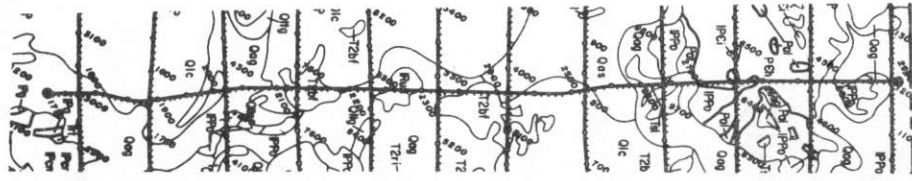
ALT
100 FT/DIV



TL 3 BRIGHAM CITY TIES

TL 3 BRIGHAM CITY TIES





TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

BIAIR
5 C/S/DIV

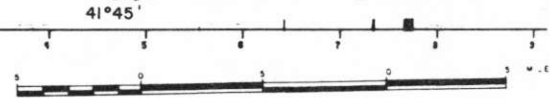
K
30 C/S/DIV

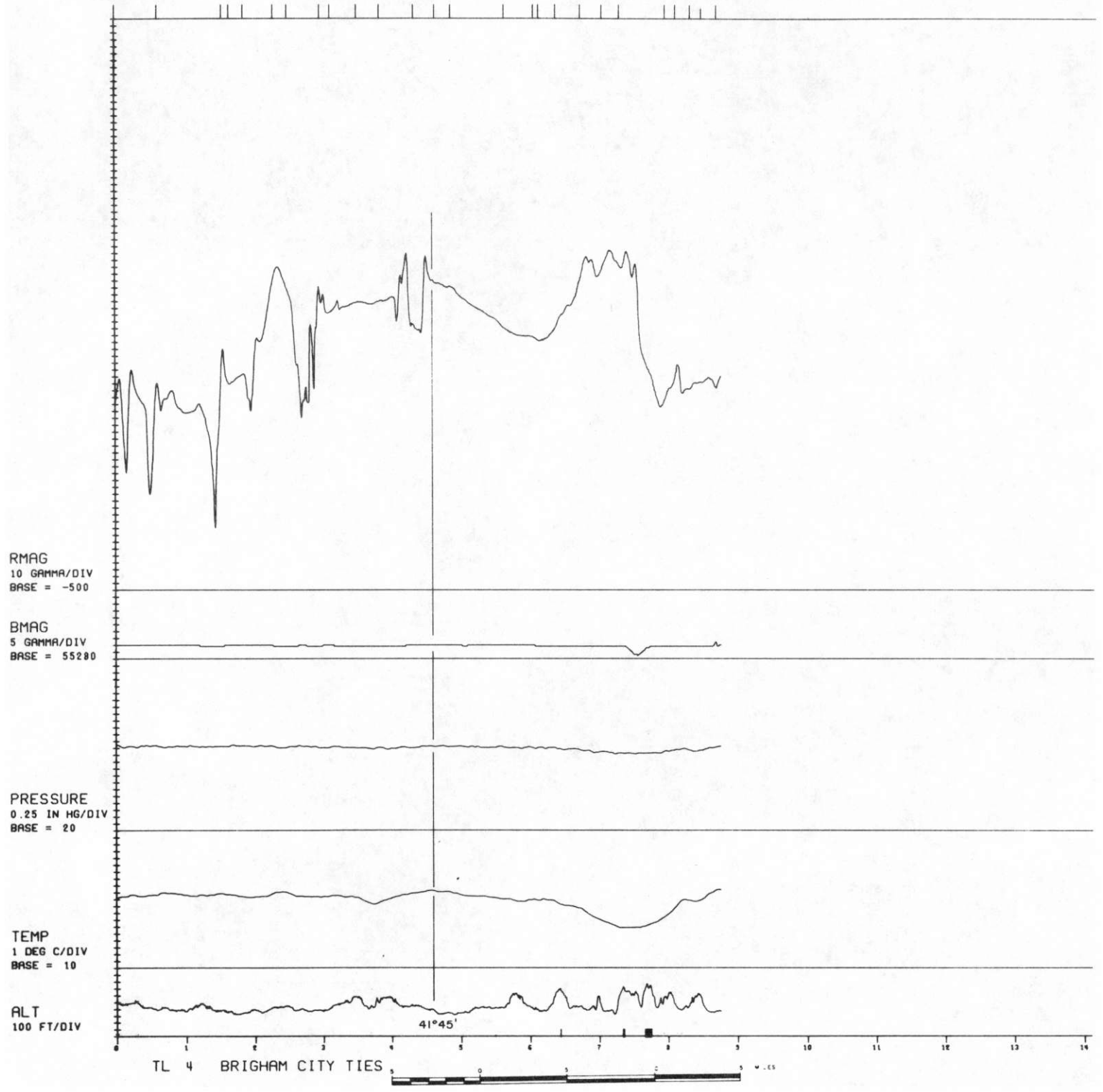
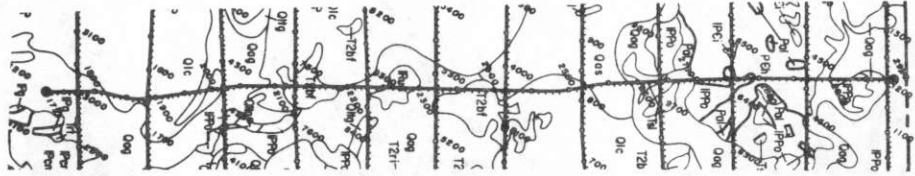
BI
5 C/S/DIV

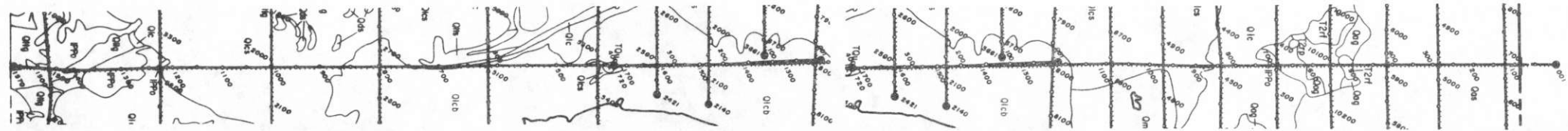
TL
10 C/S/DIV

ALT
100 FT/DIV

TL 4 BRIGHAM CITY







TL/K
.10 /DIV

BI/K
.05 /DIV

BI/TL
.10 /DIV

GC
250 C/S/DIV

RMAG
20 GAMMAS/DIV
BASE = -300

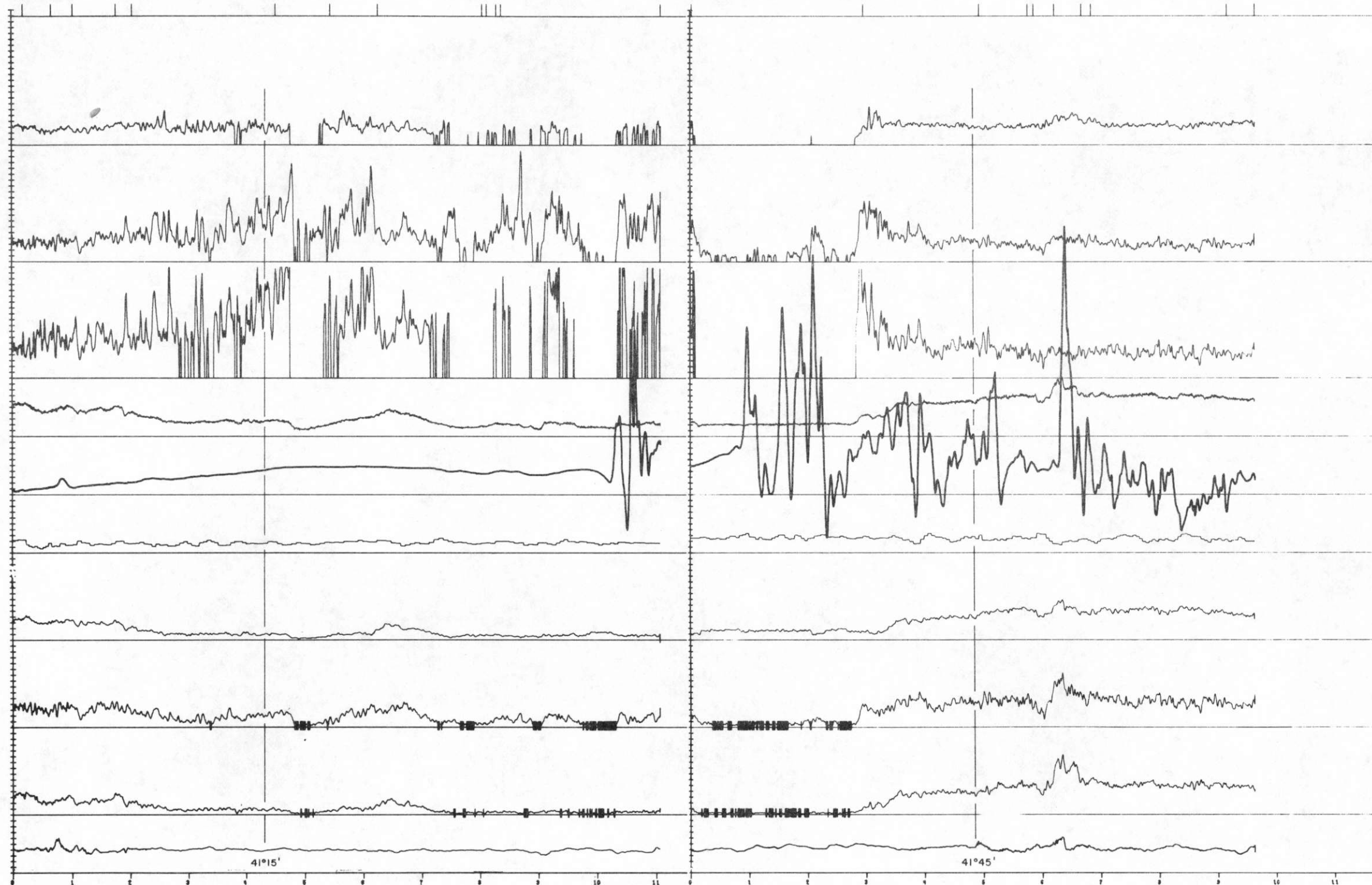
BIAIR
5 C/S/DIV

K
30 C/S/DIV

BI
5 C/S/DIV

TL
10 C/S/DIV

ALT
100 FT/DIV



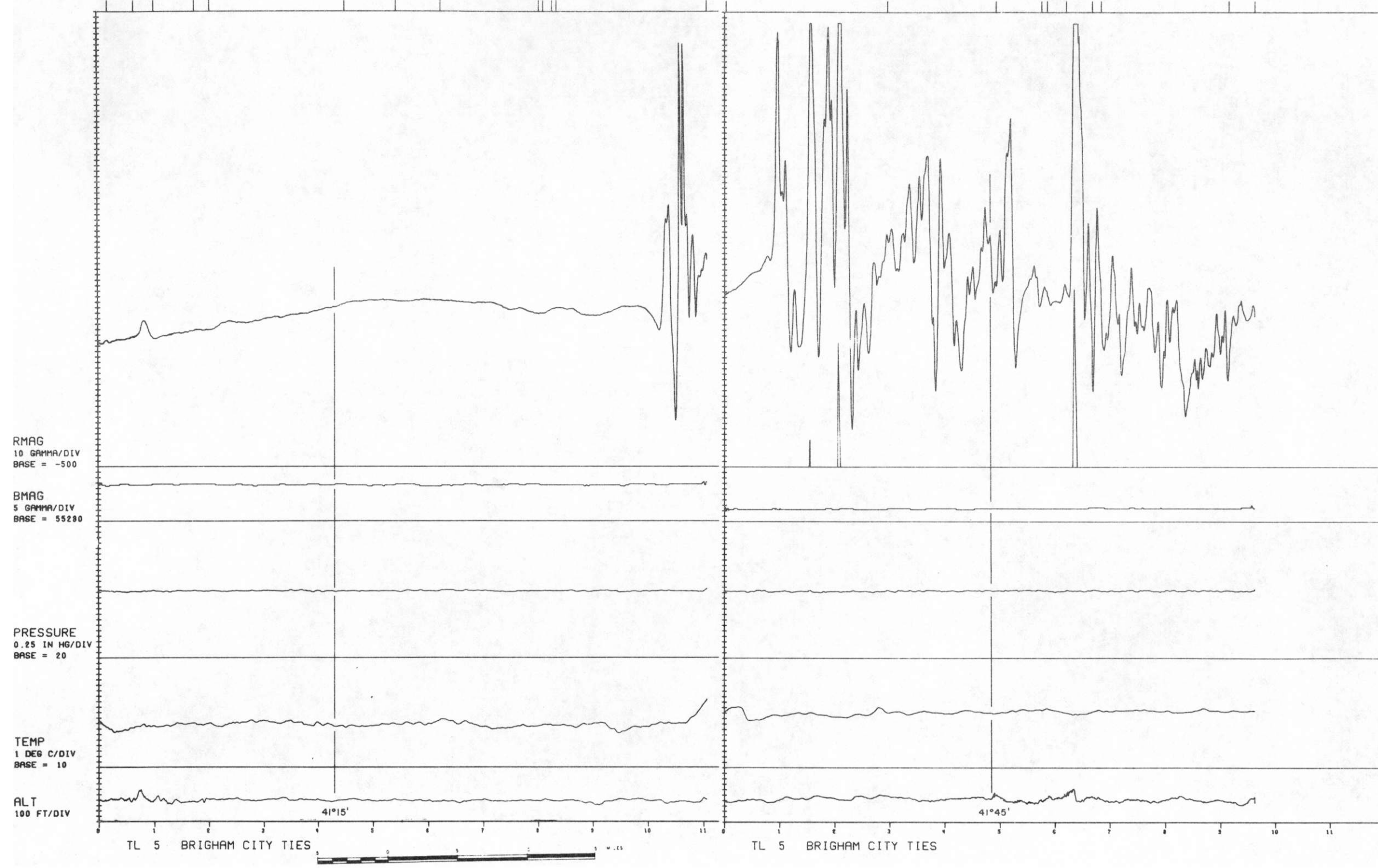
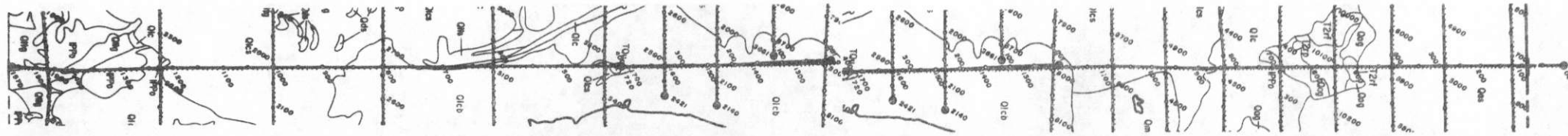
TL 5 BRIGHAM CITY

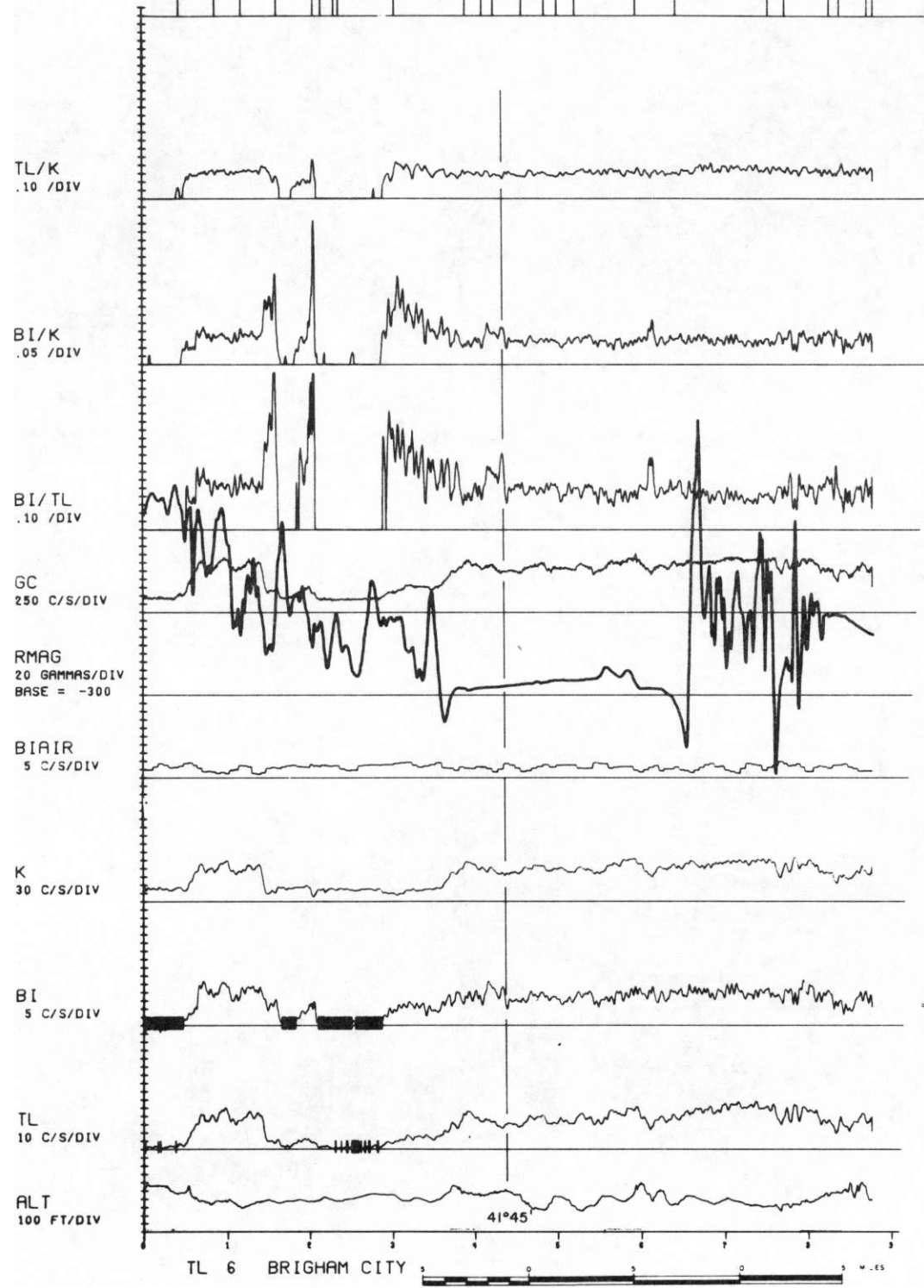
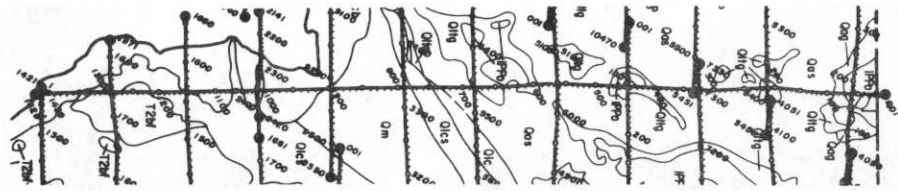
TL 5 BRIGHAM CITY

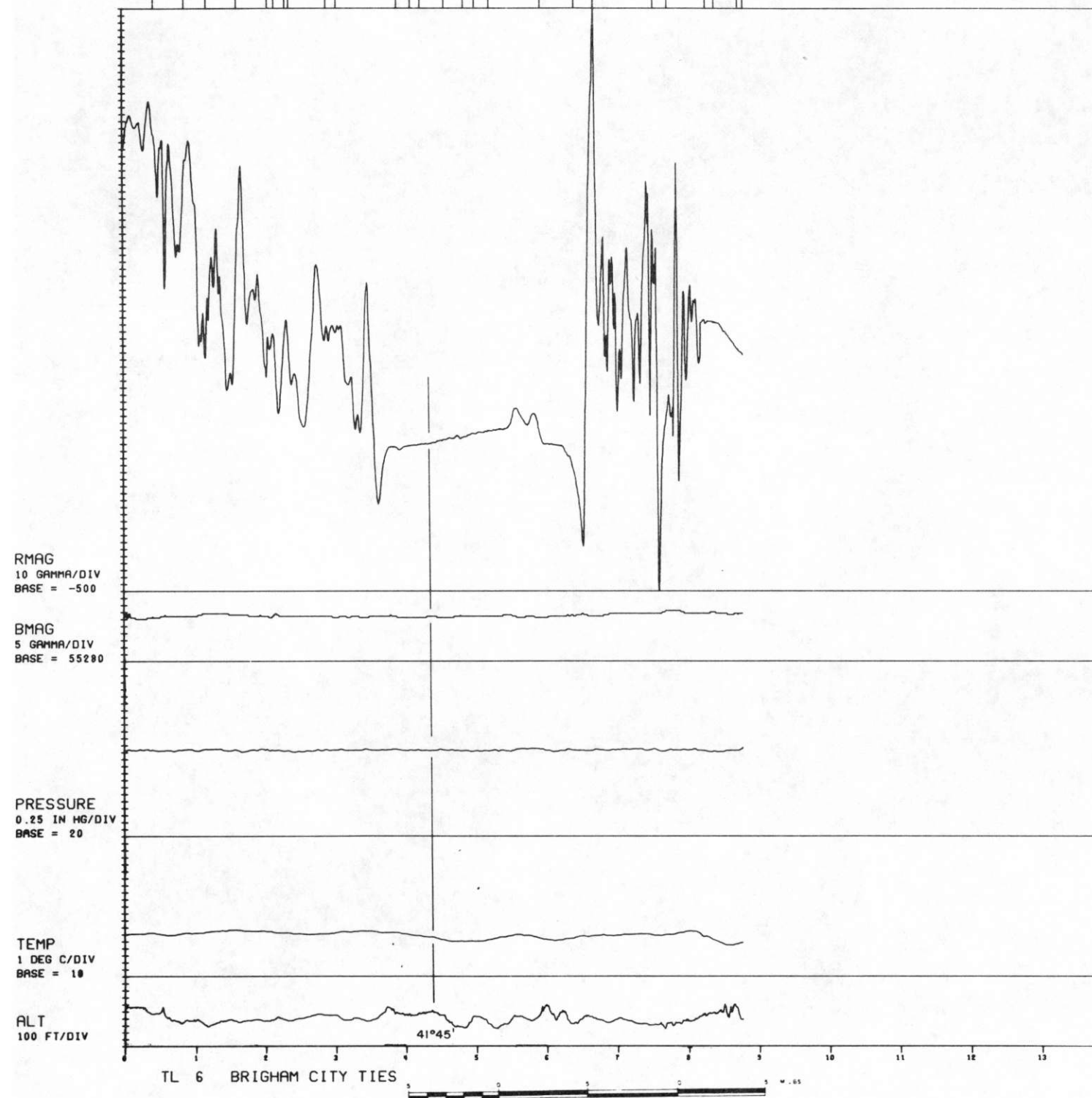
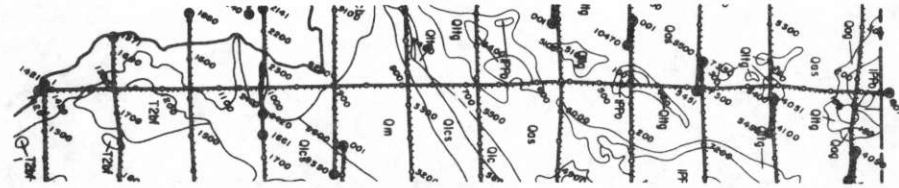


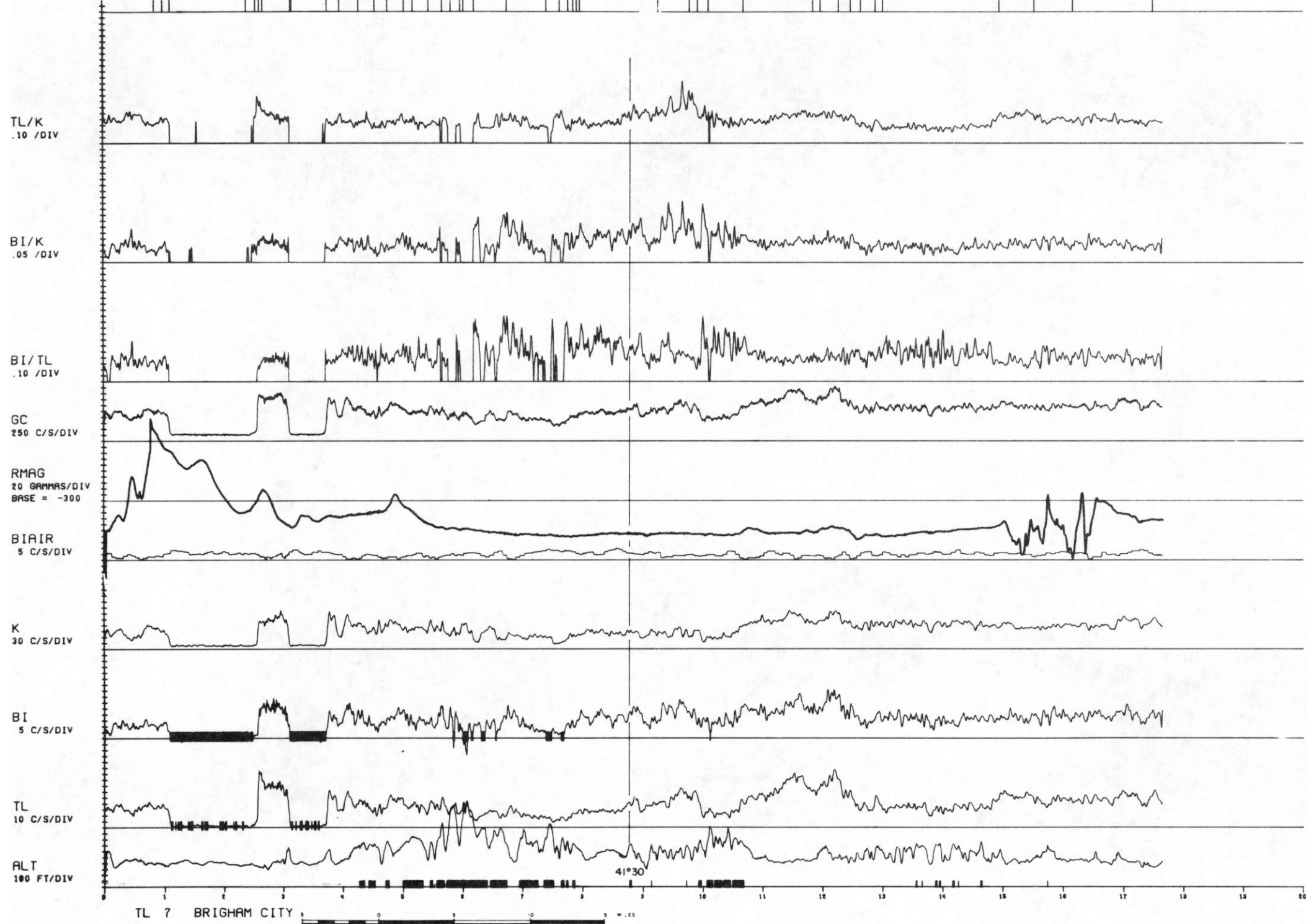
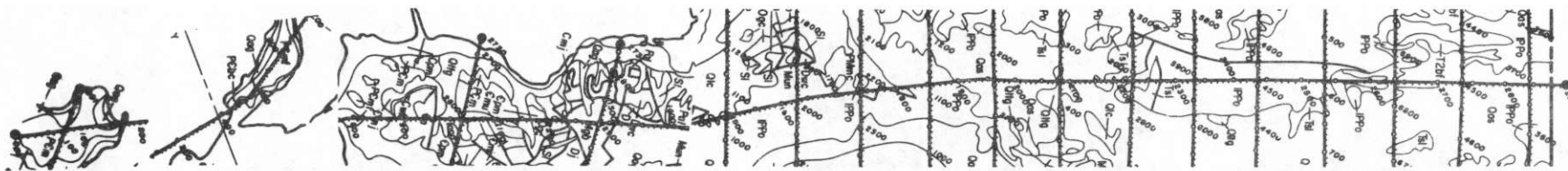
41°15'

41°45'





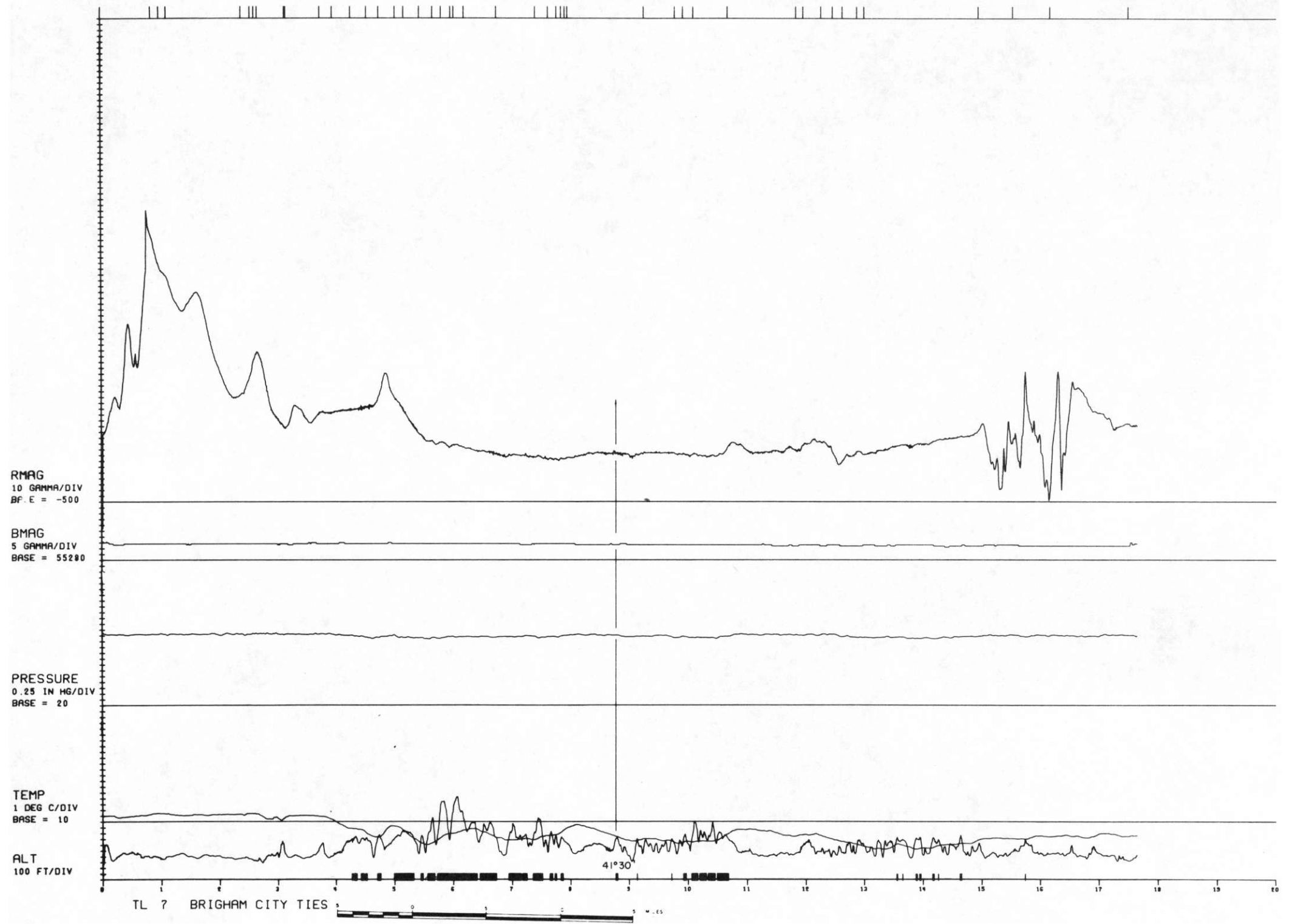


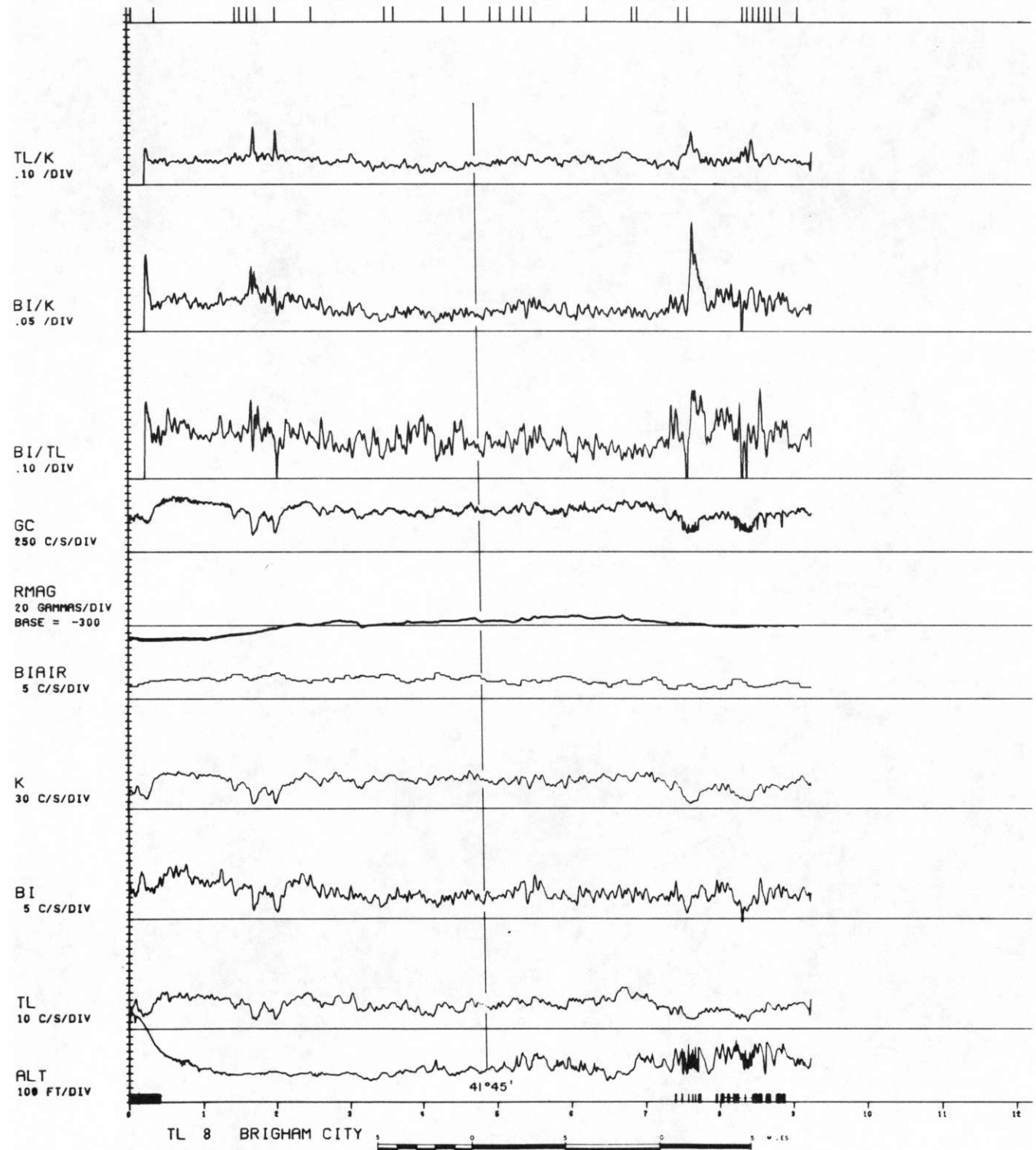
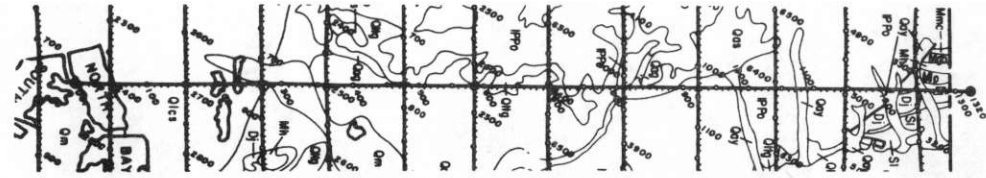


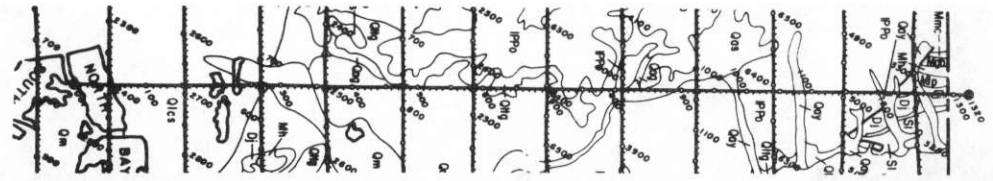
TL 7 BRIGHAM CITY

41°30'









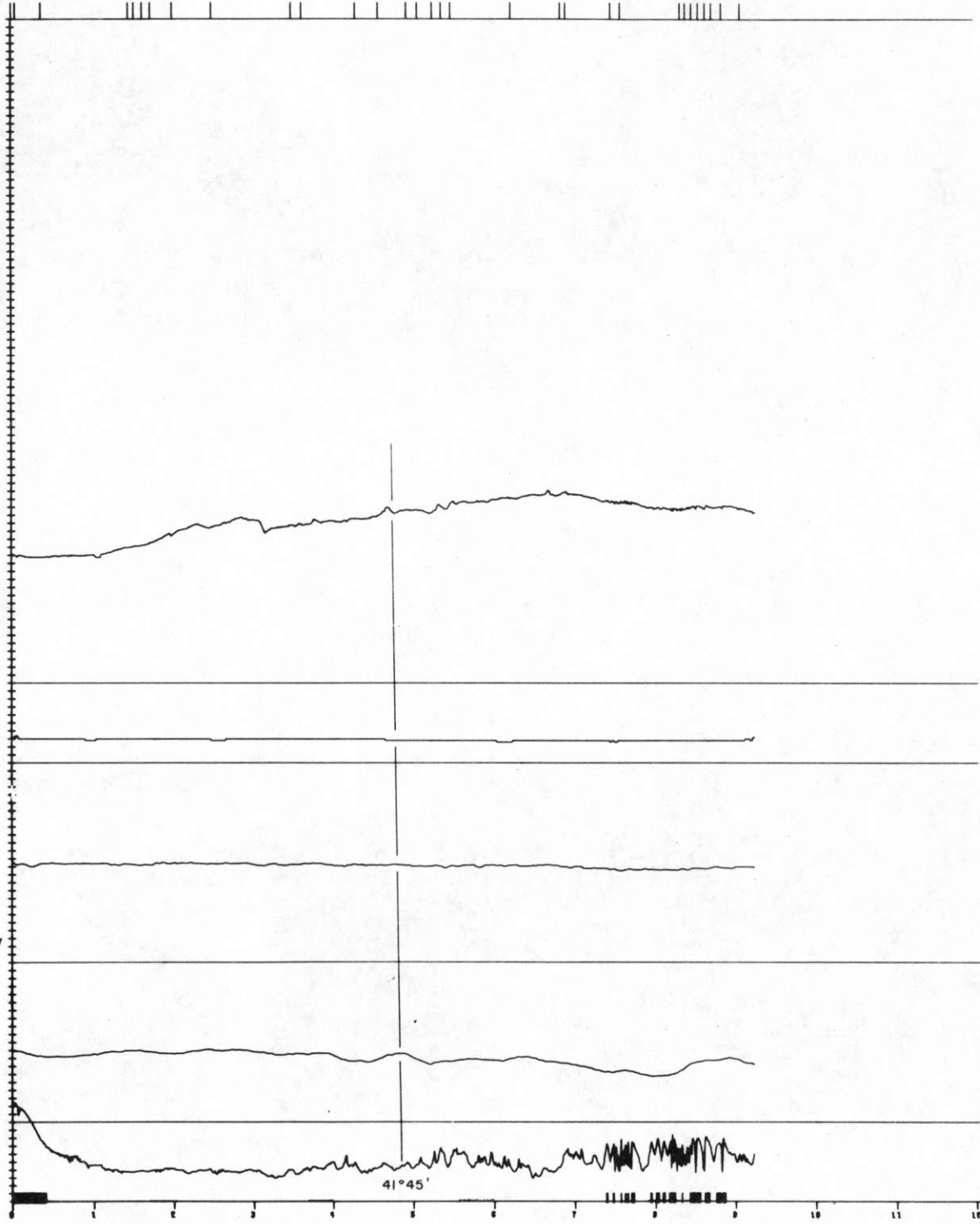
RMAG
10 GAMMA/DIV
BASE = -500

BMAG
5 GAMMA/DIV
BASE = 55200

PRESSURE
0.25 IN HG/DIV
BASE = 20

TEMP
1 DEG C/DIV
BASE = 10

ALT
100 FT/DIV



TL 8 BRIGHAM CITY TIES



