National Uranium Resource Evaluation

NURE AERIAL GAMMA-RAY AND MAGNETIC RECONNAISSANCE SURVEY OF MAINE AND PORTIONS OF NEW YORK

FINAL REPORT

VOLUME II

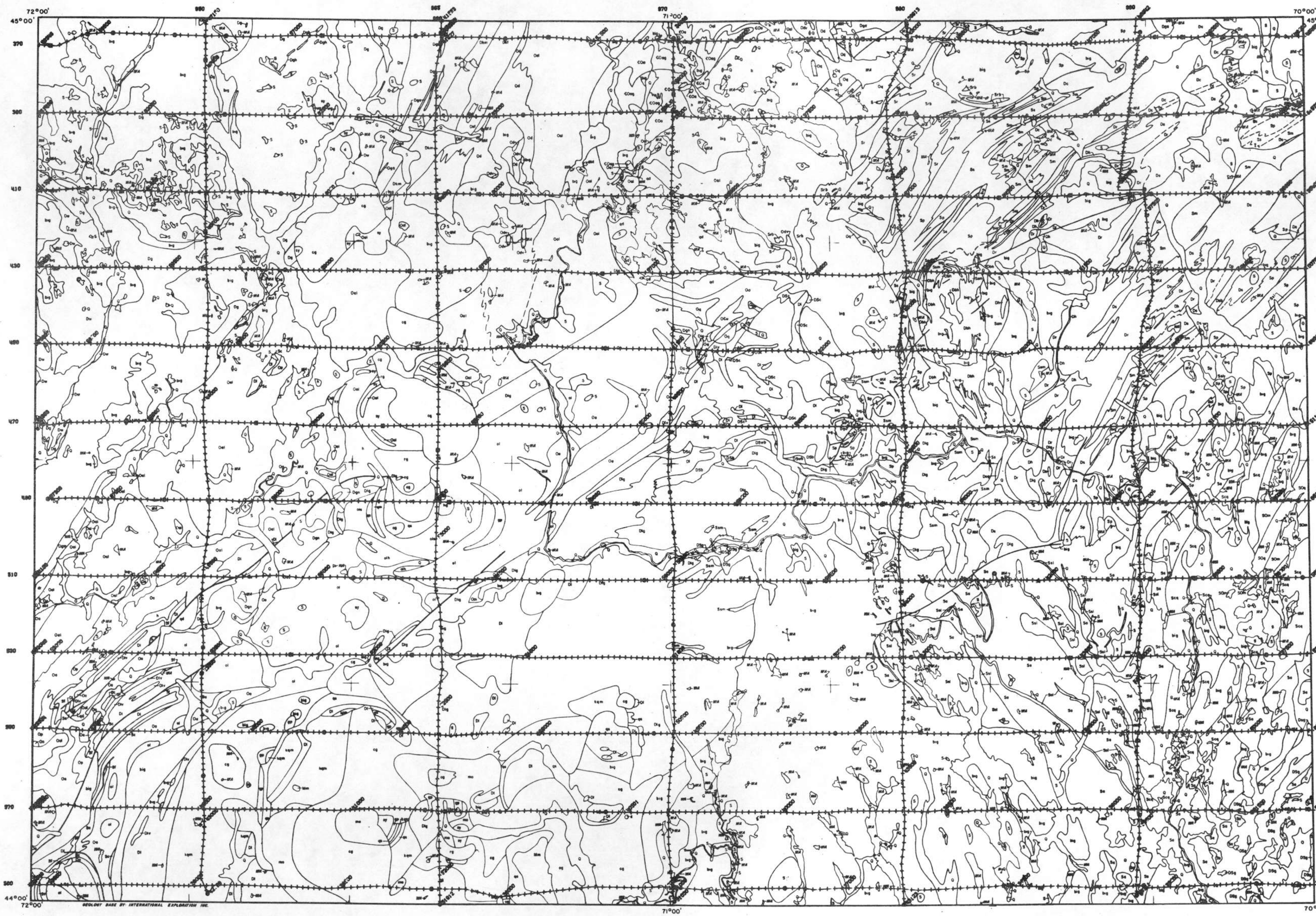
LEWISTON NL 19-10 QUADRANGLE

CARSON HELICOPTERS, INC.
GEOSCIENCE DIVISION 32-H Blooming Glen Rd. Perkasie, Penna. 18944

July 1981

PREPARED FOR U.S. DEPARTMENT OF ENERGY
Grand Junction Office, Colorado

This report is a result of work performed by Carson Helicopters, Inc. through a Bendix Field Engineering Corporation Subcontract, as part of the National Uranium Resource Evaluation. NURE is a program of the U.S. Department of Energy's Grand Junction, Colorado, Office to acquire and compile geologic and other information with which to assess the magnitude and distribution of uranium resources and to determine areas favorable for the occurrence of uranium in the United States.



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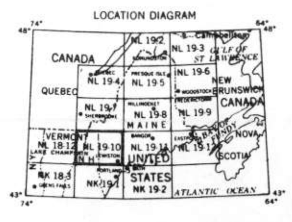

NURE AERIAL GAMMA-RAY AND MAGNETIC RECONNAISSANCE SURVEY

MAINE-LEWISTON NL 19-10 QUADRANGLE

FLIGHT LINE BASE MAP

1980-1981

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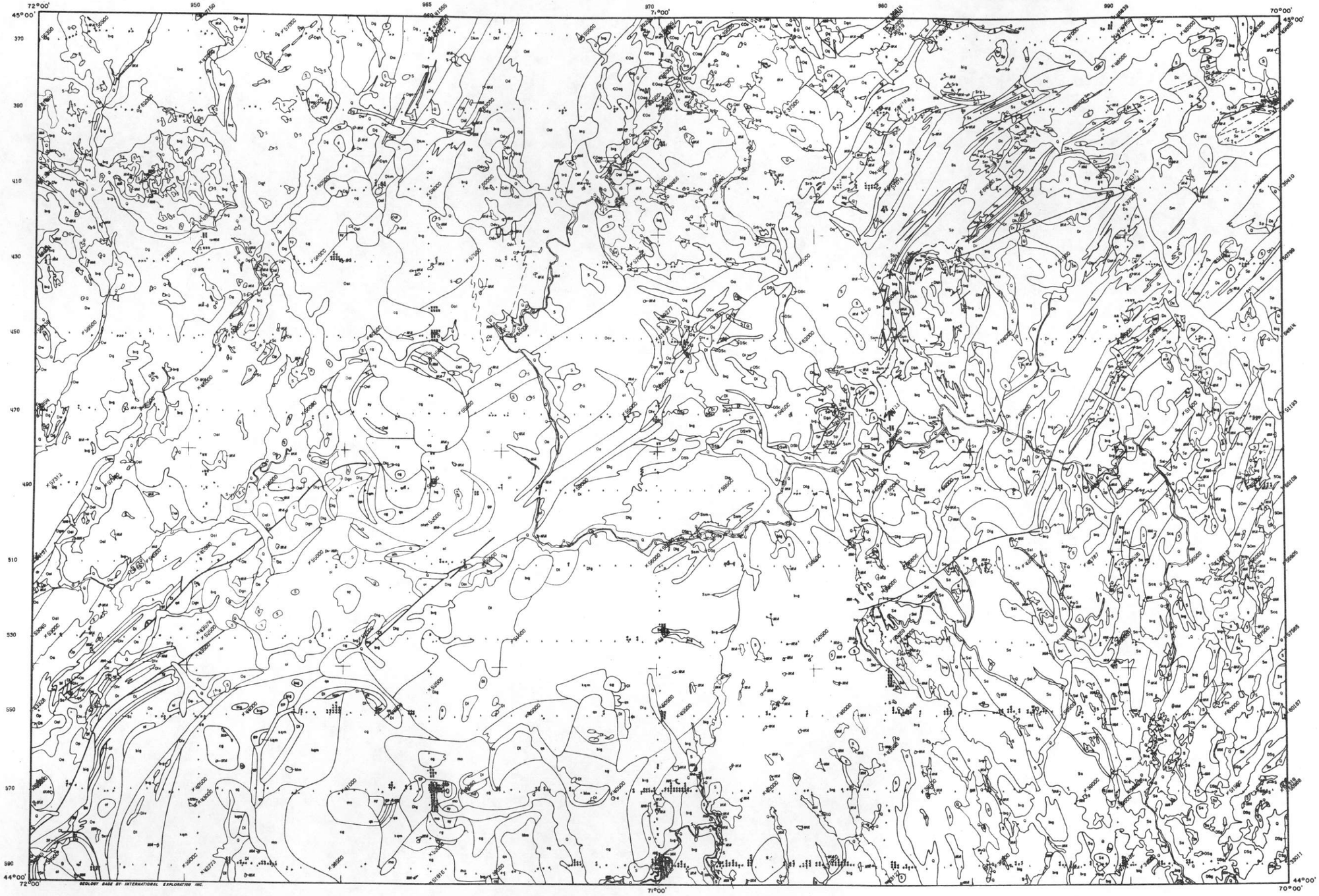

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LOCATION DIAGRAM

EXPLANATION

INDIVIDUAL SAMPLES ARE PLOTTED AT 20 SAMPLE INTERVALS AND IDENTIFIED BY RECORD NUMBER AT INTERVALS OF 500 SAMPLES.

AVERAGED SAMPLES ARE ANNOTATED IF THE DEVIATION OF THE AVERAGED SAMPLE, FROM THE MEAN OF ITS CORRESPONDING ROCK UNIT, IS GREATER THAN ± 1 STANDARD DEVIATION. THE DEVIATION INTERVALS ANNOTATED ARE 1 TO 2, 2 TO 3, AND 3 OR GREATER.

TRAVERSE LINE DEVIATIONS ARE INDICATED BY SOLID CIRCLES AND TIE LINES BY SQUARES. NORTH OR EAST ARE POSITIVE AND SOUTH OR WEST ARE NEGATIVE.

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MAINE-LEWISTON NL 19-10 QUADRANGLE

ANOMALY MAP - URANIUM

1980-1981

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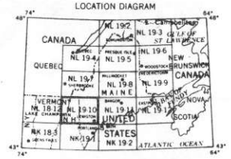

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ANOMALY MAP - THORIUM

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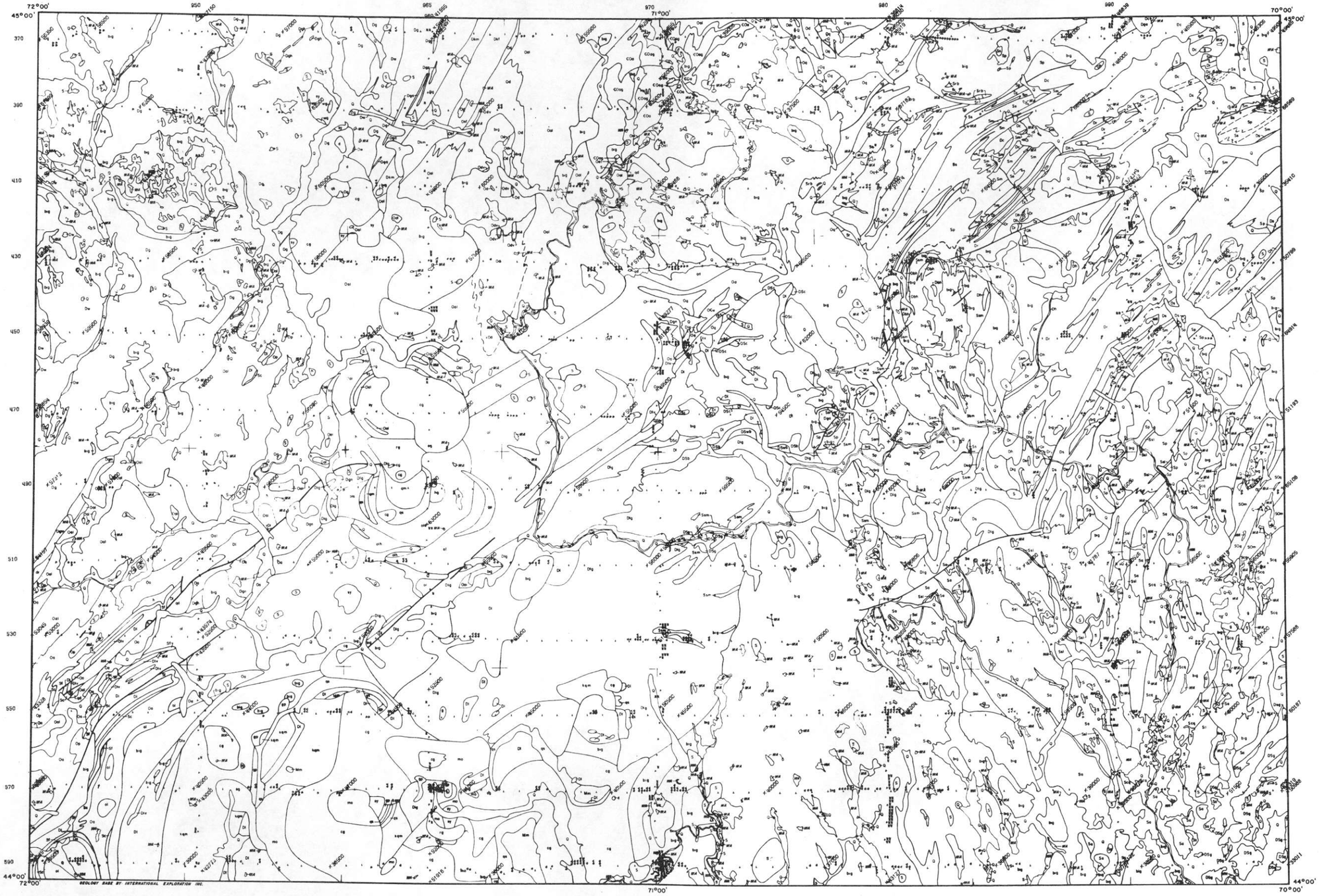

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MAINE-LEWISTON NL 19-10 QUADRANGLE

ANOMALY MAP - POTASSIUM

1980-1981

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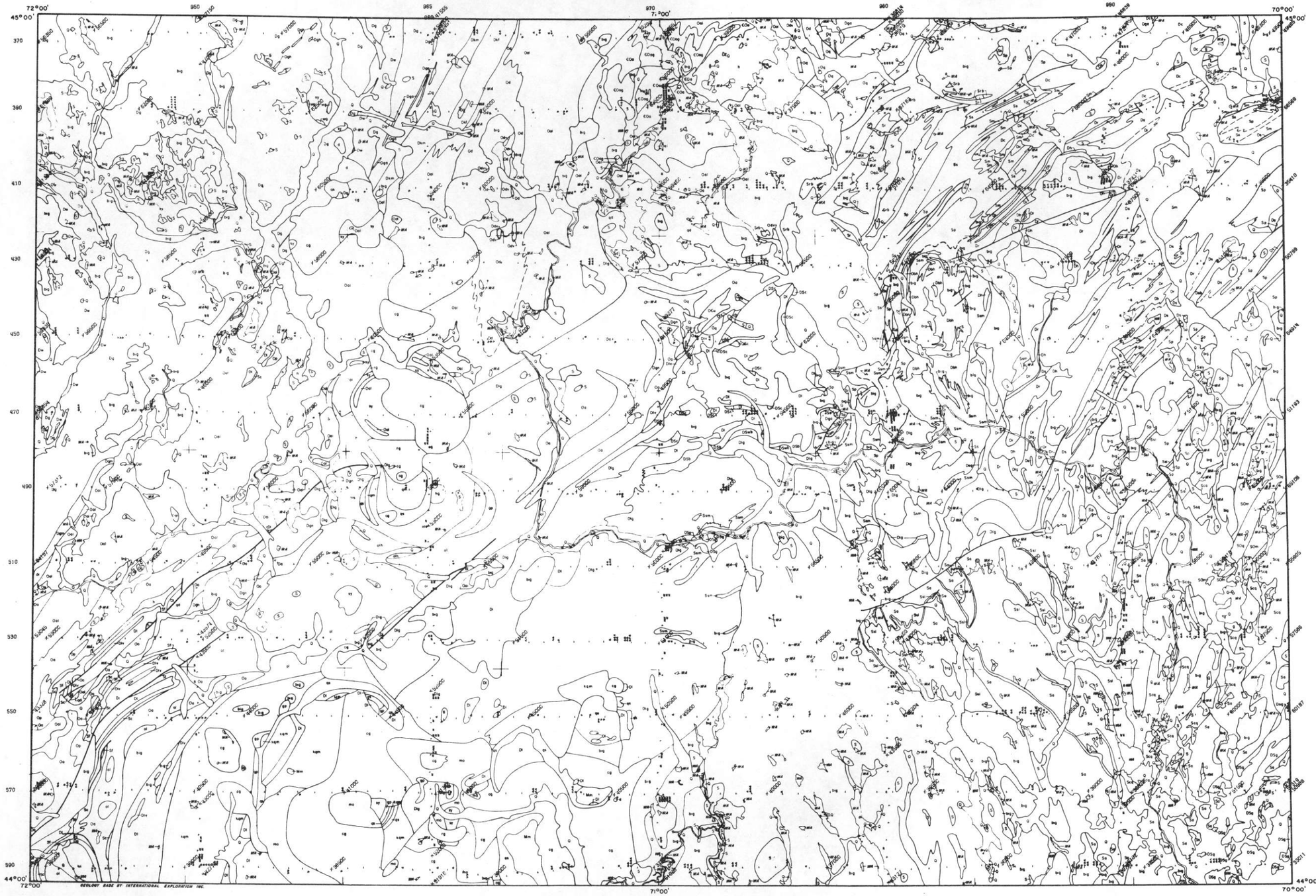

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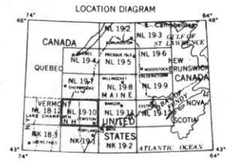

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ANOMALY MAP - URANIUM / THORIUM

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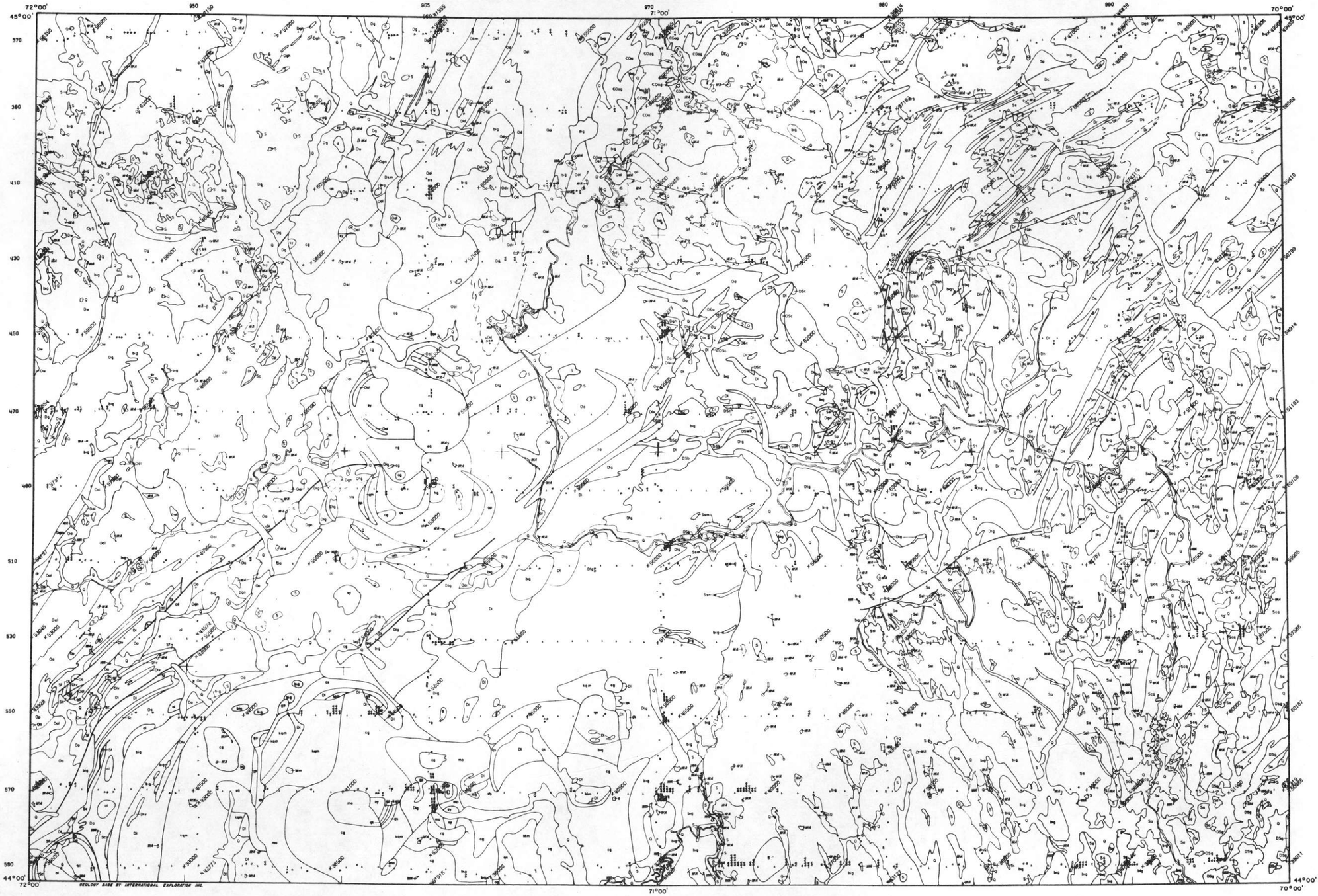

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MAINE-LEWISTON NL 19-10 QUADRANGLE

ANOMALY MAP-URANIUM/POTASSIUM

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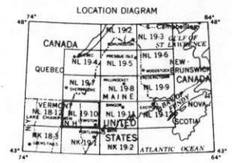

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MAINE-LEWISTON NL 19-10 QUADRANGLE

ANOMALY MAP - THORIUM/POTASSIUM

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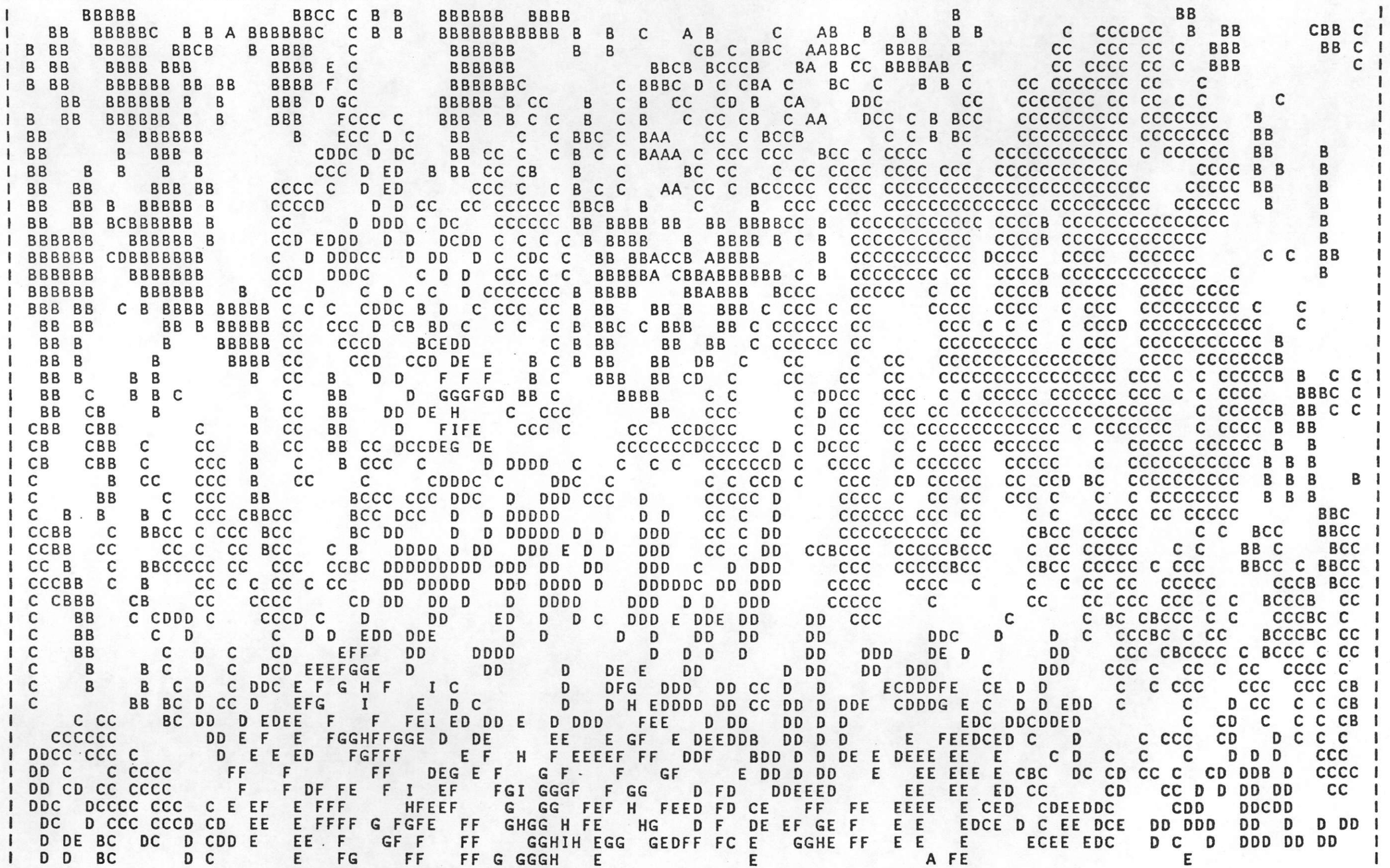
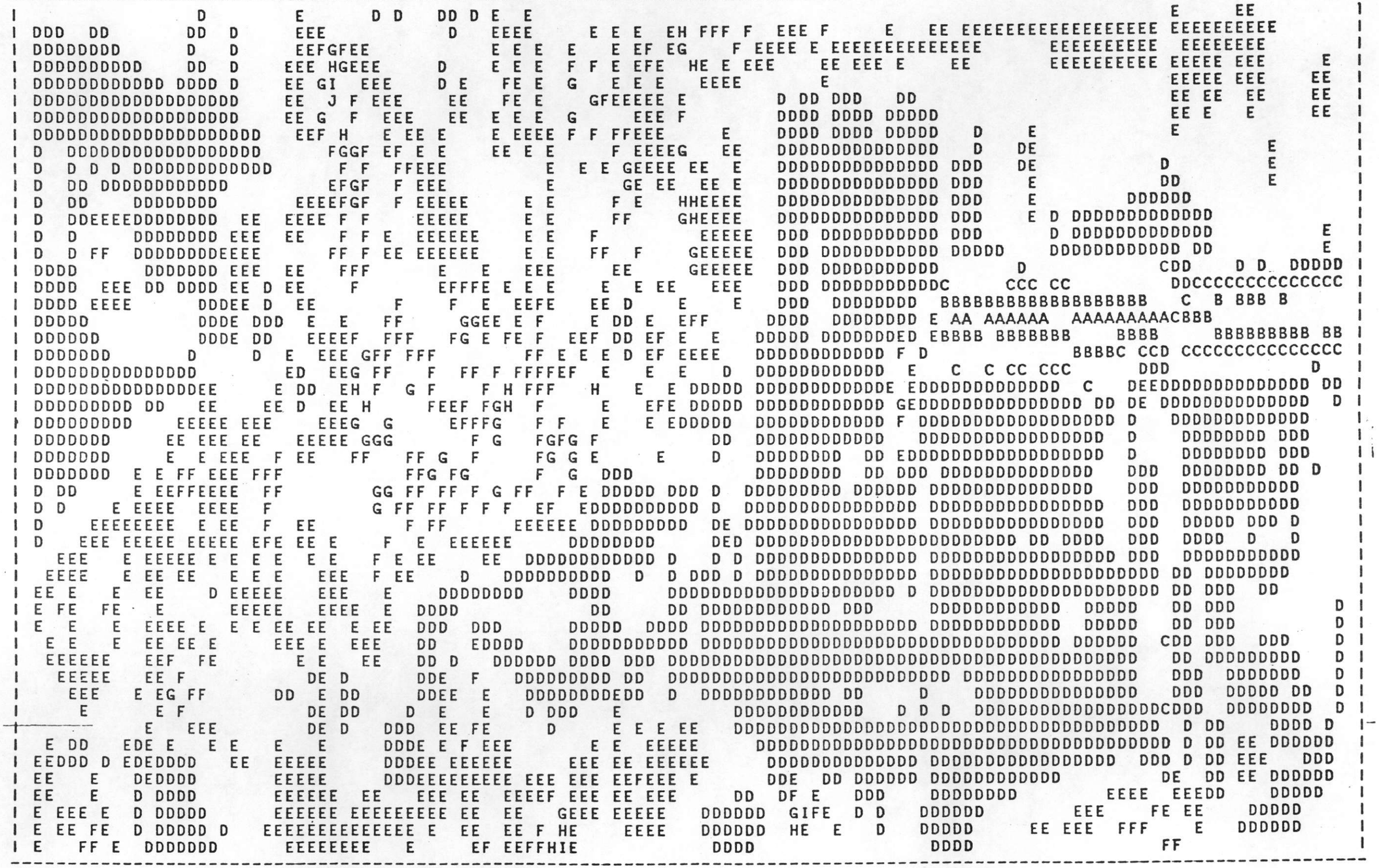
MAINE AERIAL SURVEY 1980,LEWISTON QUAD, NL19-10 TOTAL COUNT MAP CONTOUR INTERVAL 233.9CPS



MAINE AERIAL SURVEY 1980,LEWISTON QUAD, NL19-10 MAGNETIC FIELD MAP CONTOUR INTERVAL 91.3 GAMMAS



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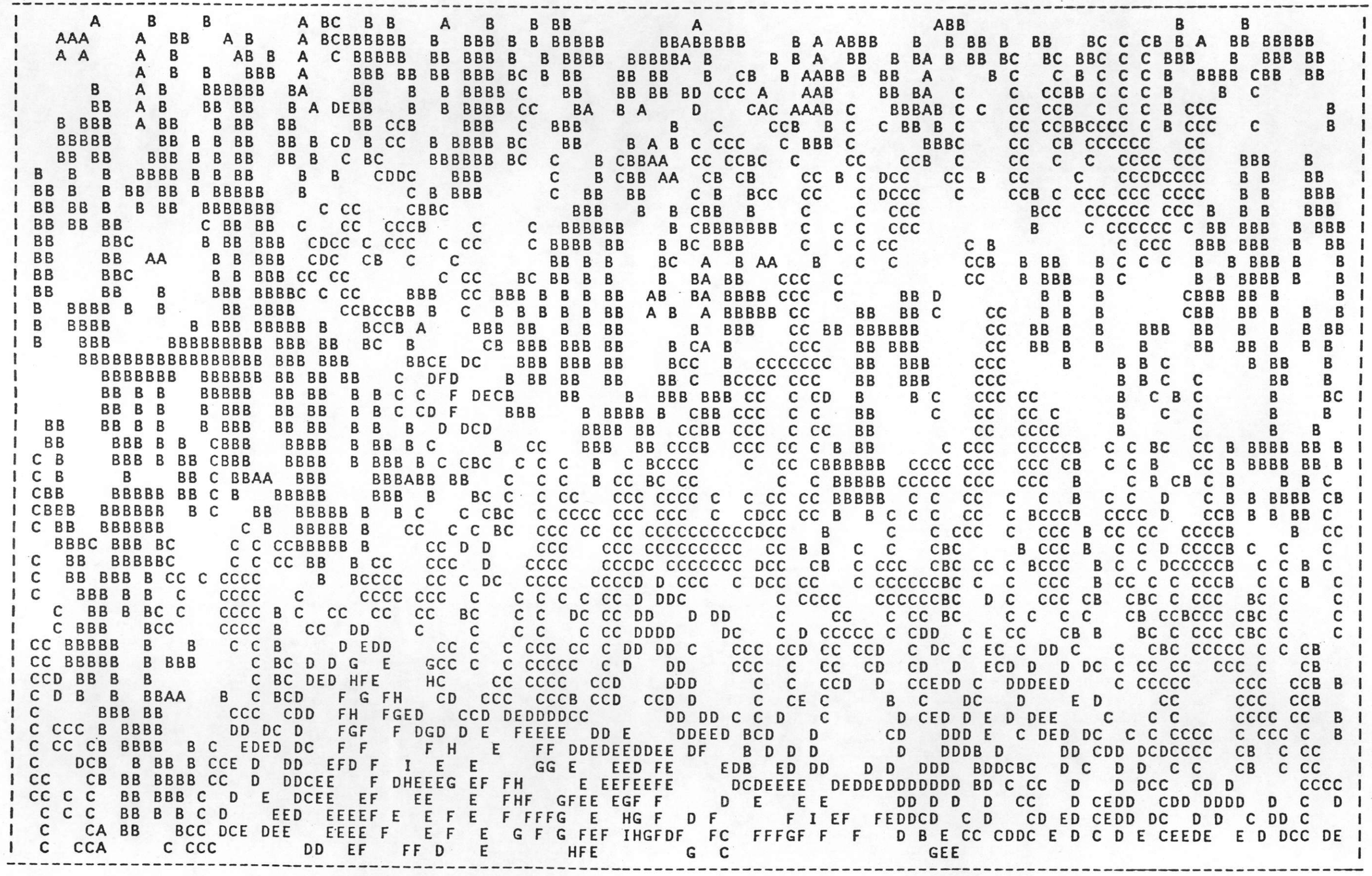
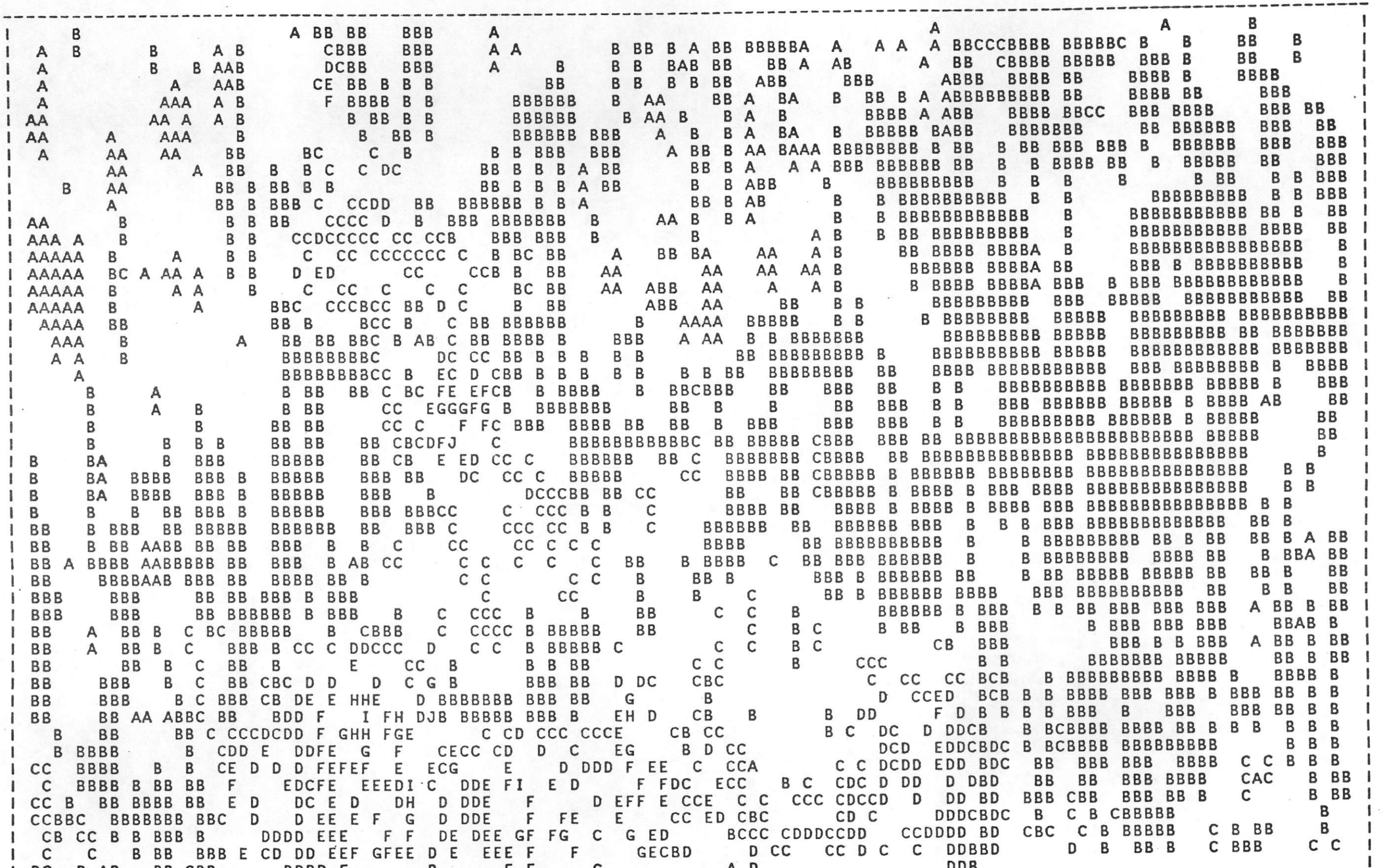
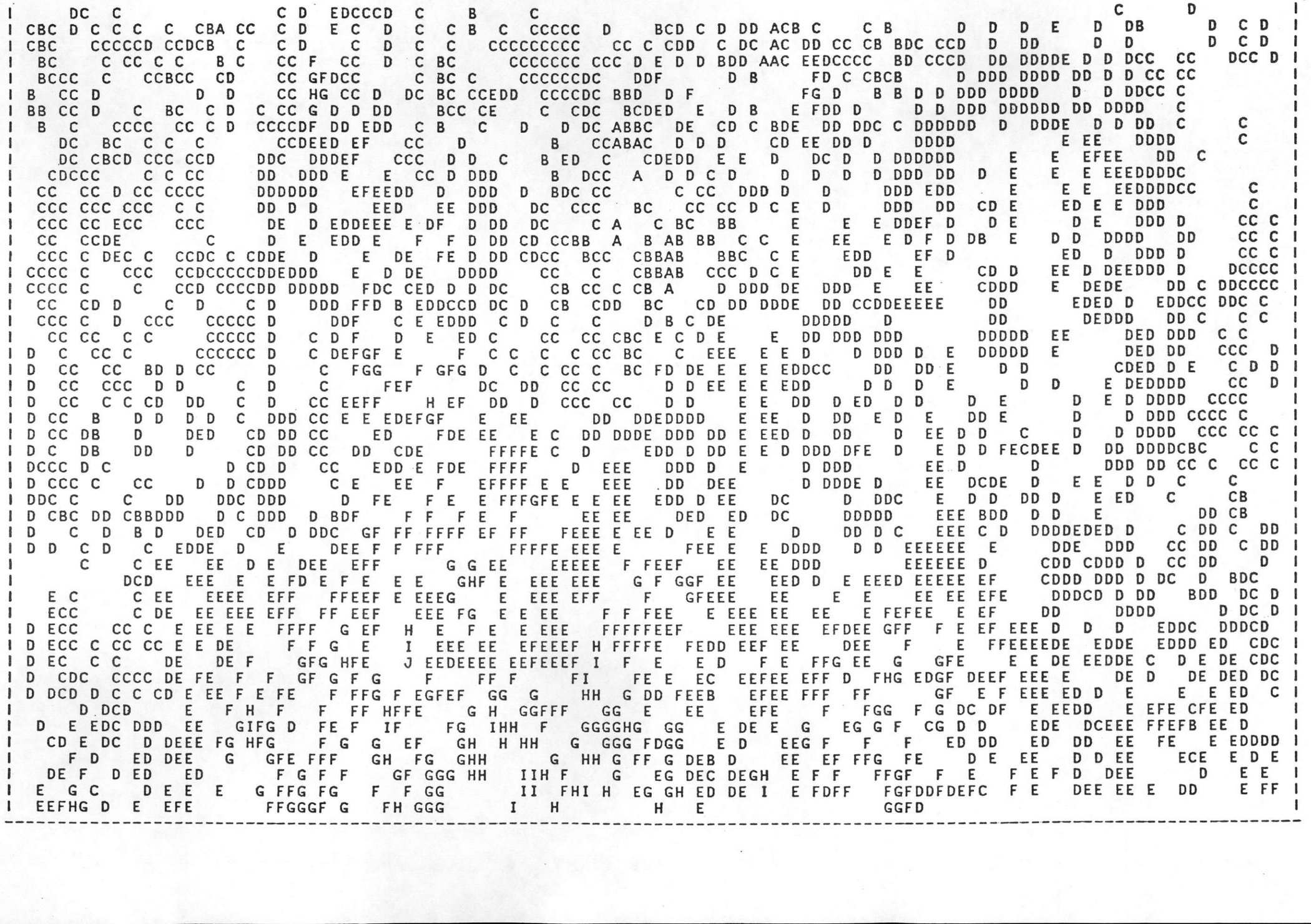


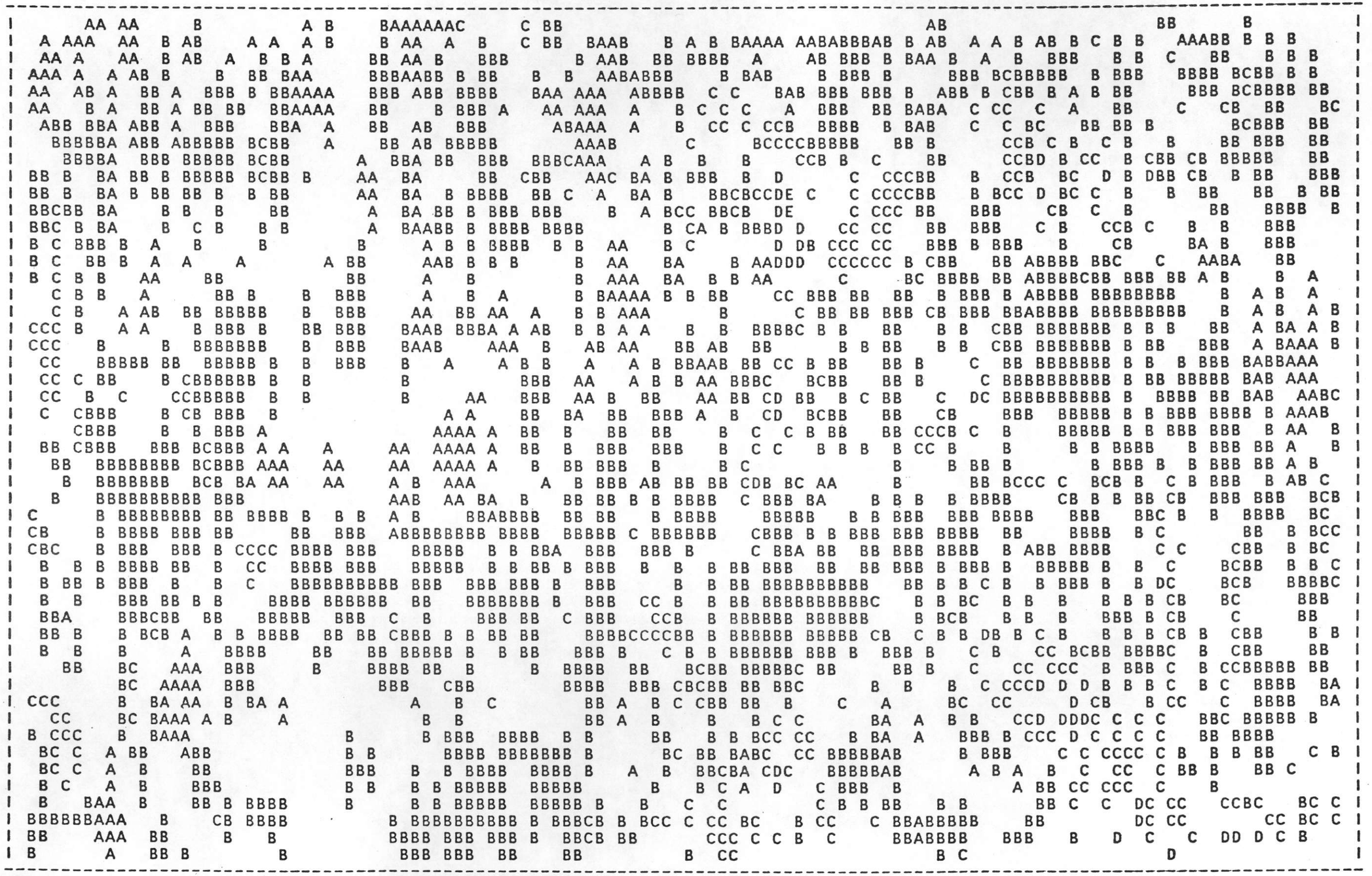
MAINE AERIAL SURVEY 1980,LEWISTON QUAD, NL19-10 THORIUM MAP CONTOUR INTERVAL 1.5 PPM



MAINE AERIAL SURVEY 198Ø,LEWISTON QUAD, NL19-1Ø POTASSIUM MAP CONTOUR INTERVAL Ø.1 %



MAINE AERIAL SURVEY 1980,LEWISTON QUAD, NL19-10 RATIO MAP U/T CONTOUR INTERVAL .01 UNITS



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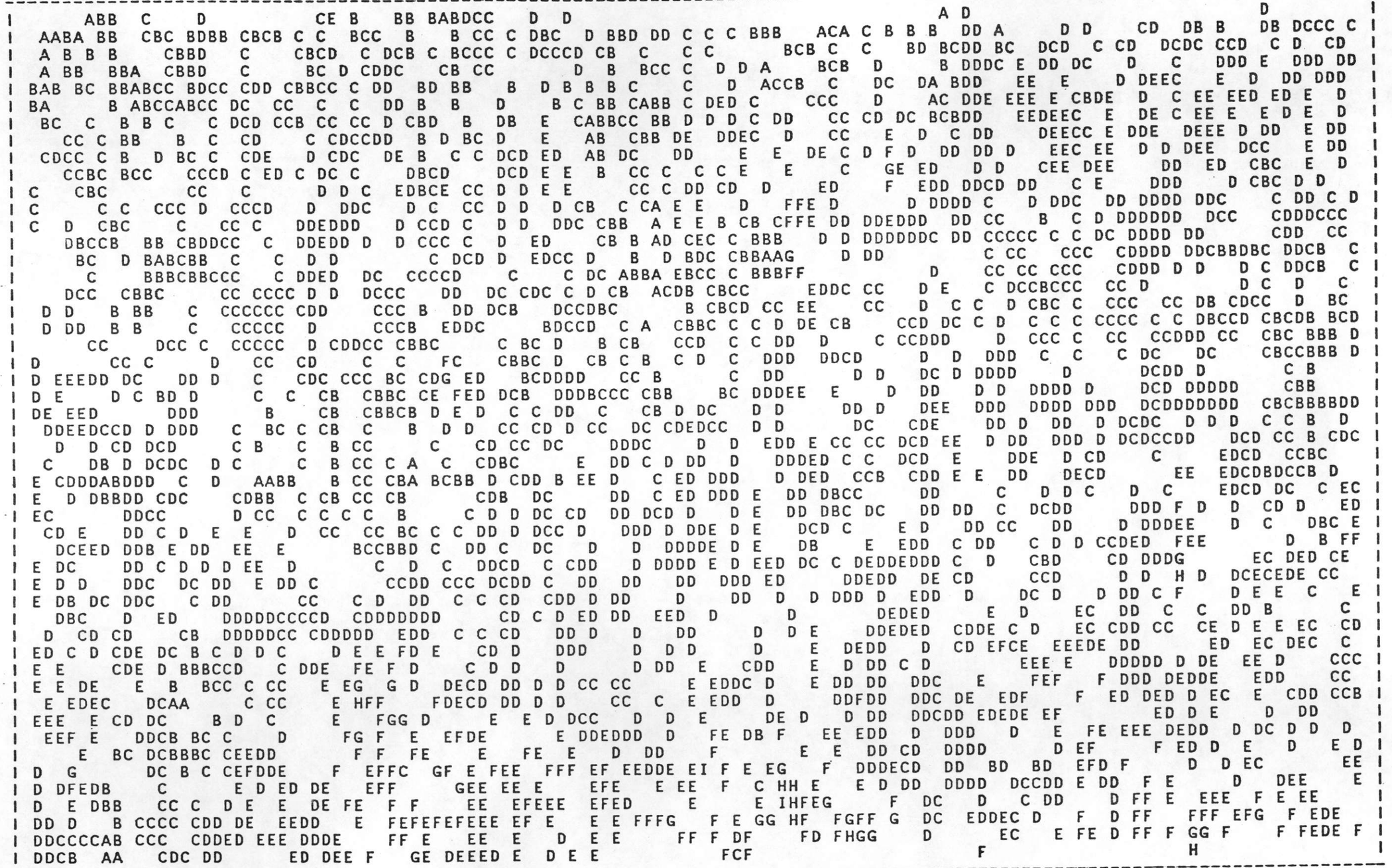
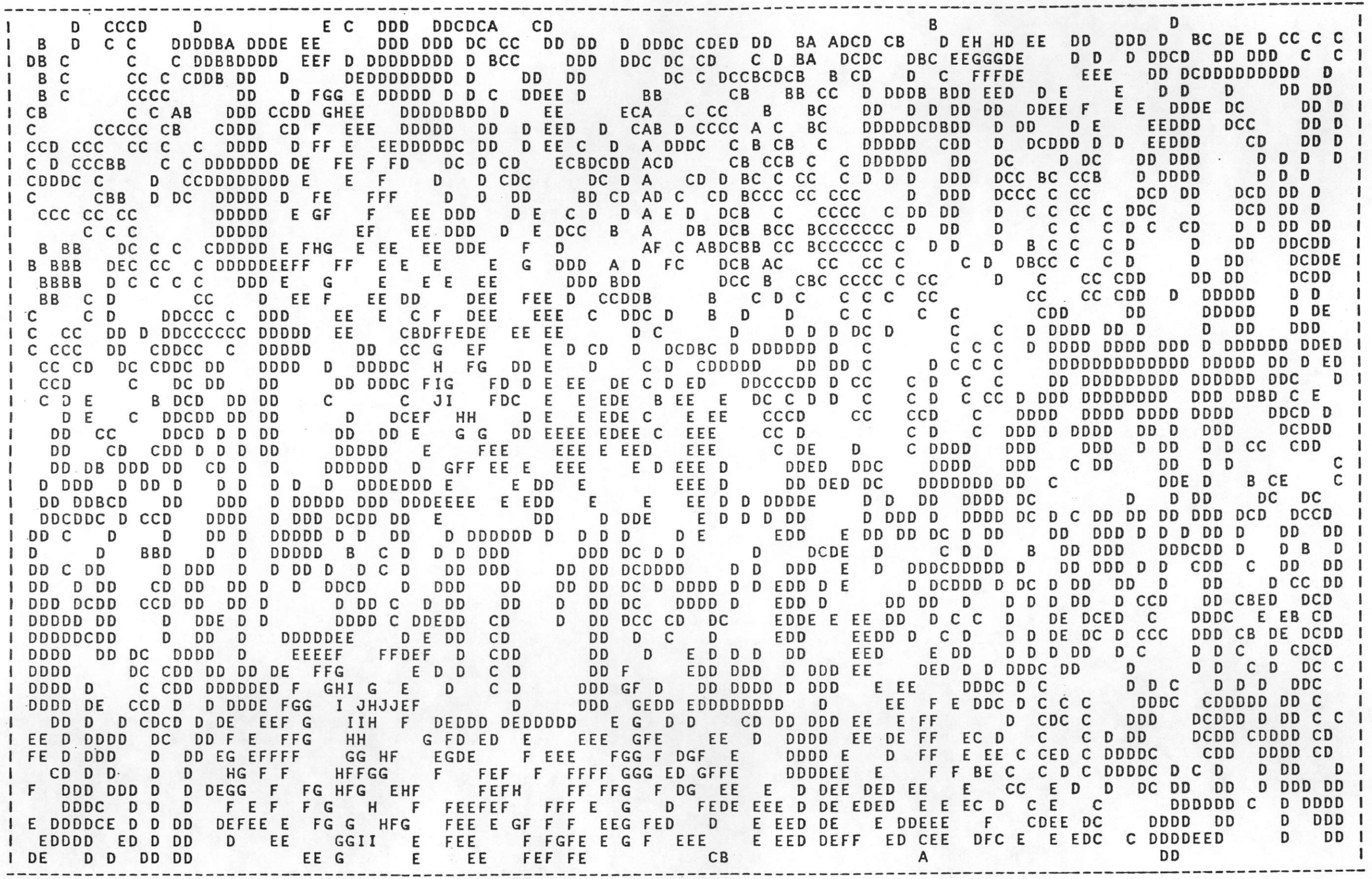
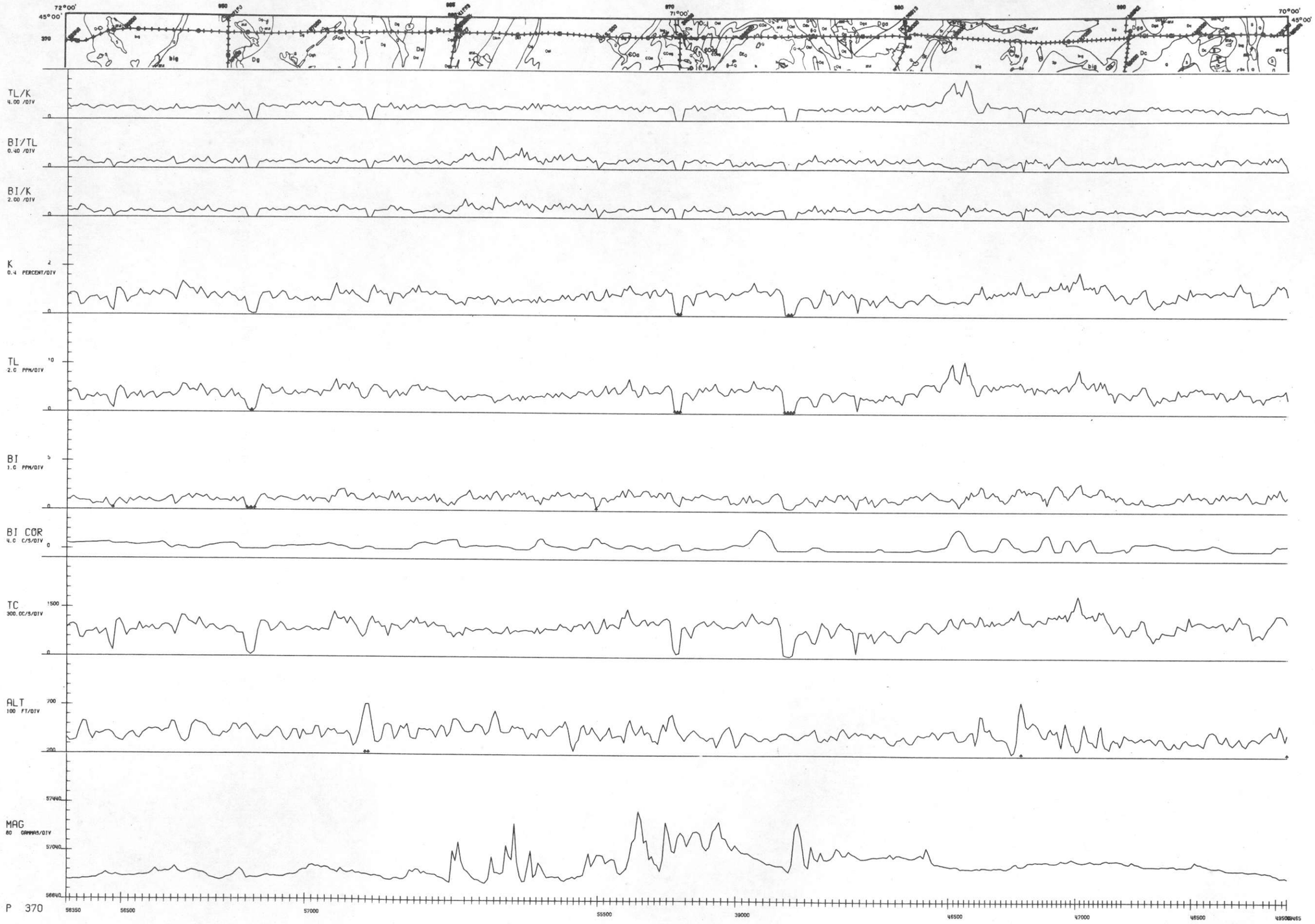


MAINE AERIAL SURVEY 1980,LEWISTON QUAD, NL19-10 RATIO MAP T/K CONTOUR INTERVAL Ø.6 UNITS





↑ FLAGGED SAMPLE VALUES OF K,U,T INDICATES DATA FAILED STATISTICAL ADEQUACY TEST

SCALE 1:500,000

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NURE AERIAL GAMMA-RAY AND MAGNETIC RECONNAISSANCE SURVEY

MAINE-LEWISTON NL 19-10 QUADRANGLE

RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

1980-1981

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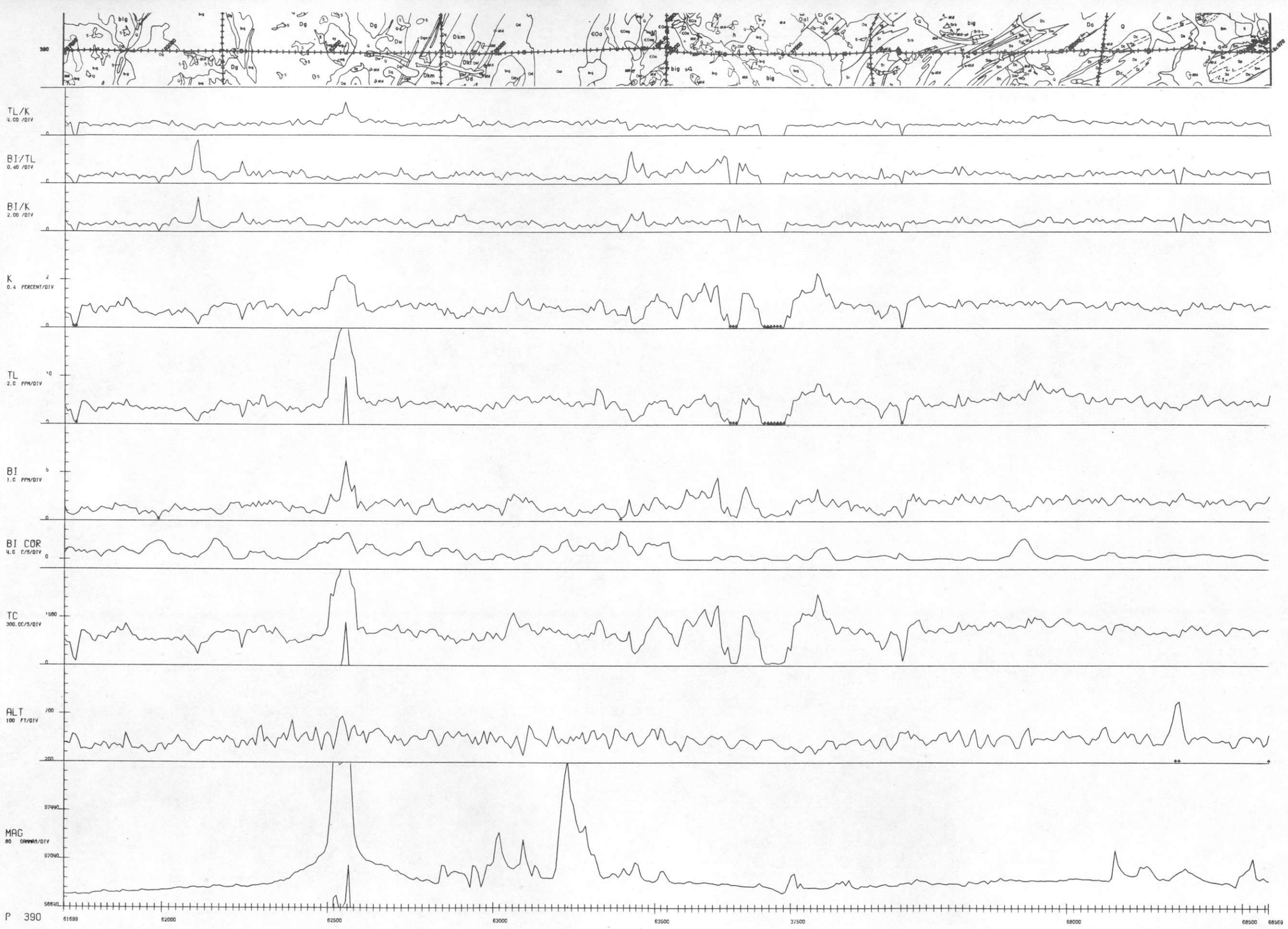

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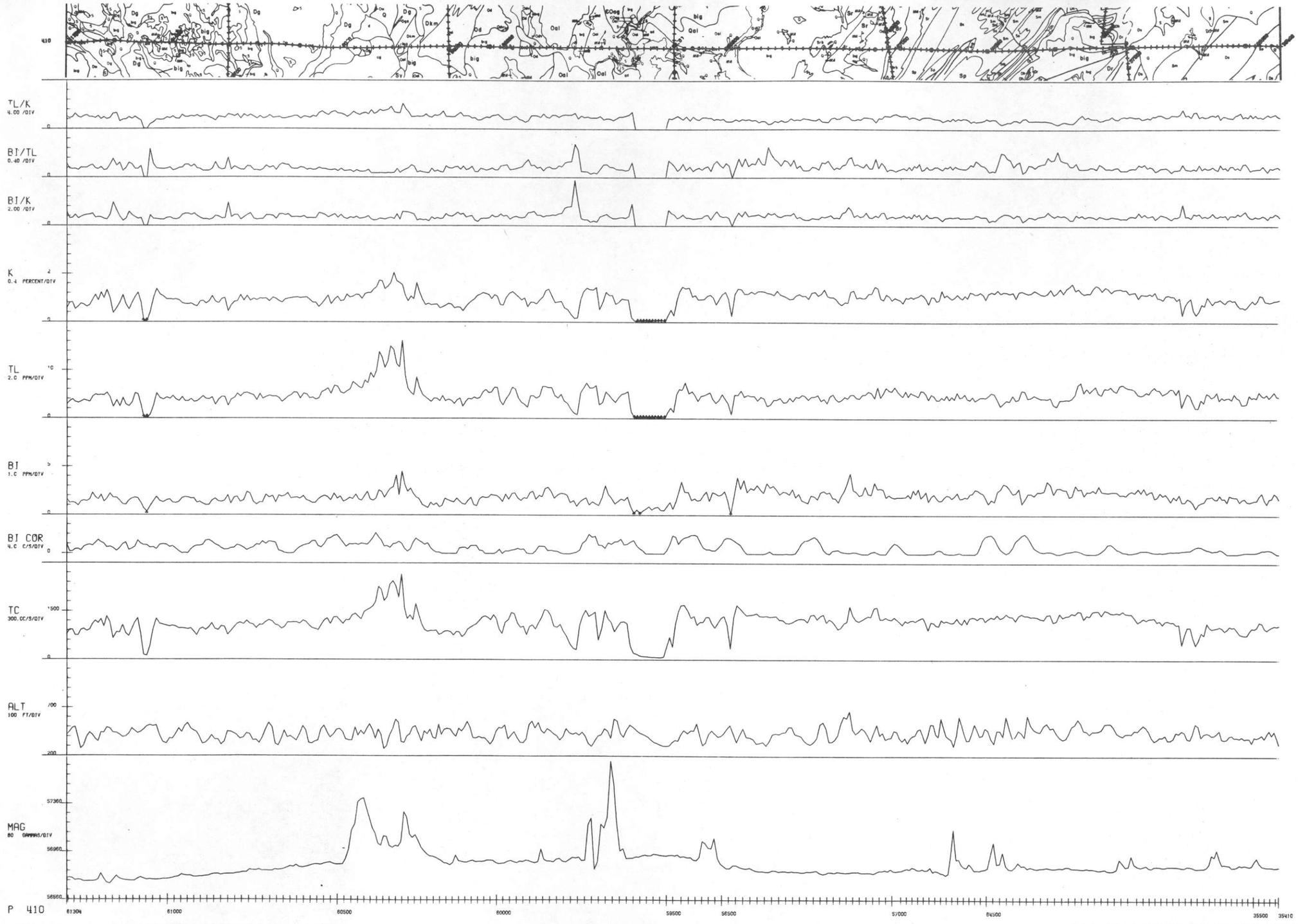

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TL/K
4.00 /DIV

BI/TL
0.40 /DIV

BI/K
2.00 /DIV

K
0.4 PERCENT/DIV

TL
2.0 PPM/DIV

BI
1.0 PPM/DIV

BI COR
4.0 C/S/DIV

TC
300.0C/S/DIV

ALT
100 FT/DIV

MAG
80 GAMMAS/DIV

P 430

58904 58500 58000 57500 57000 56500 52000 51500 51000 50799

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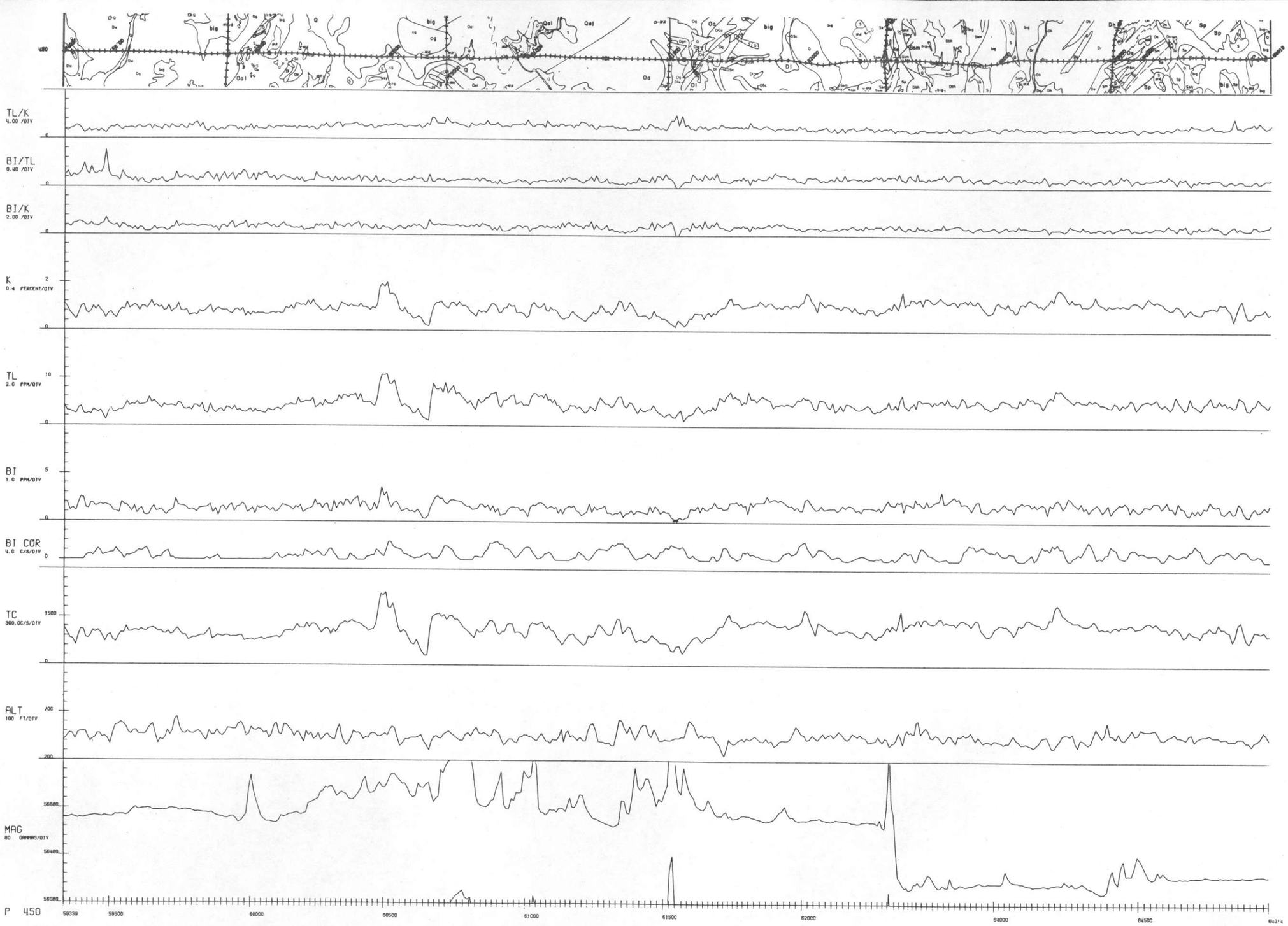

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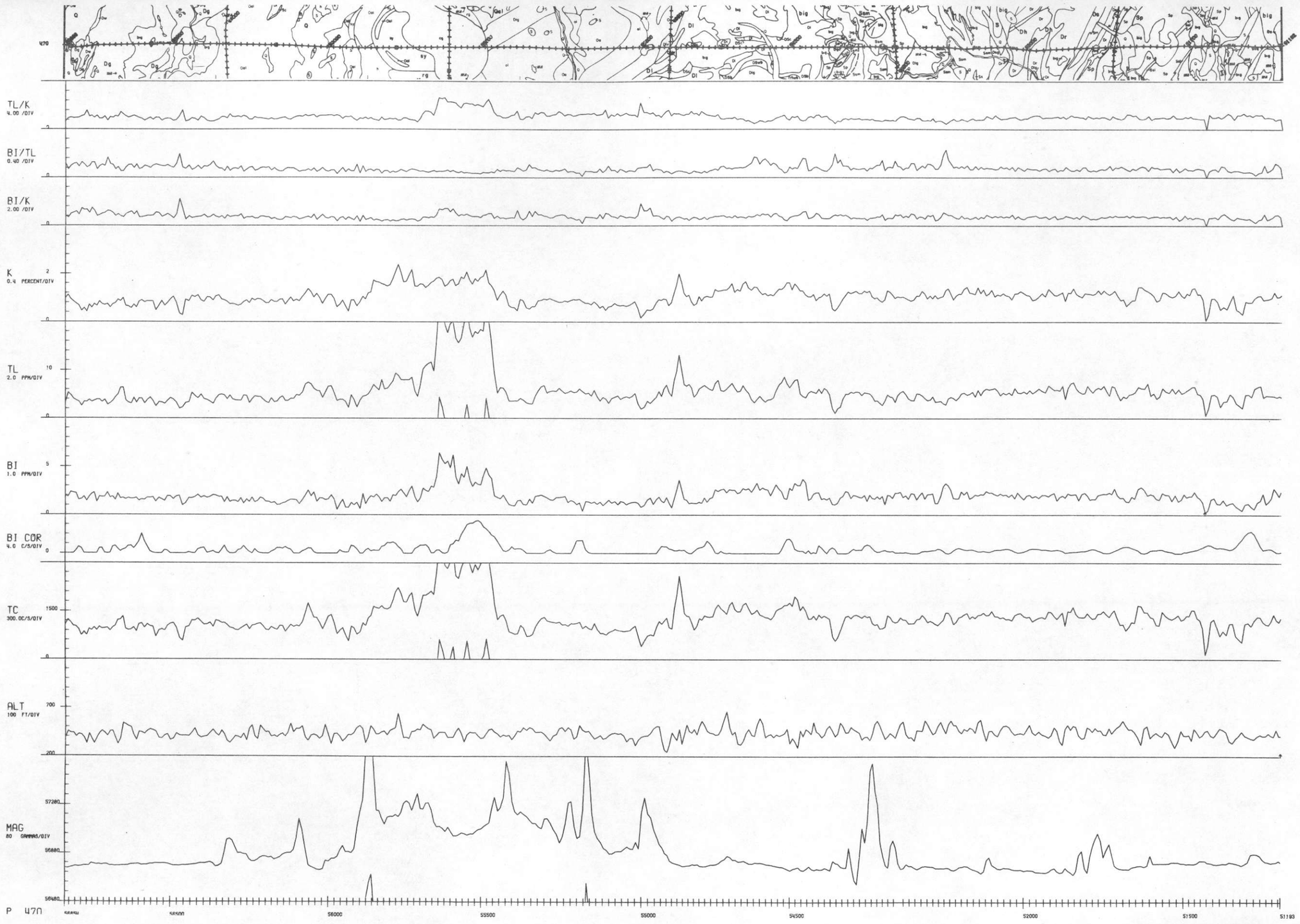

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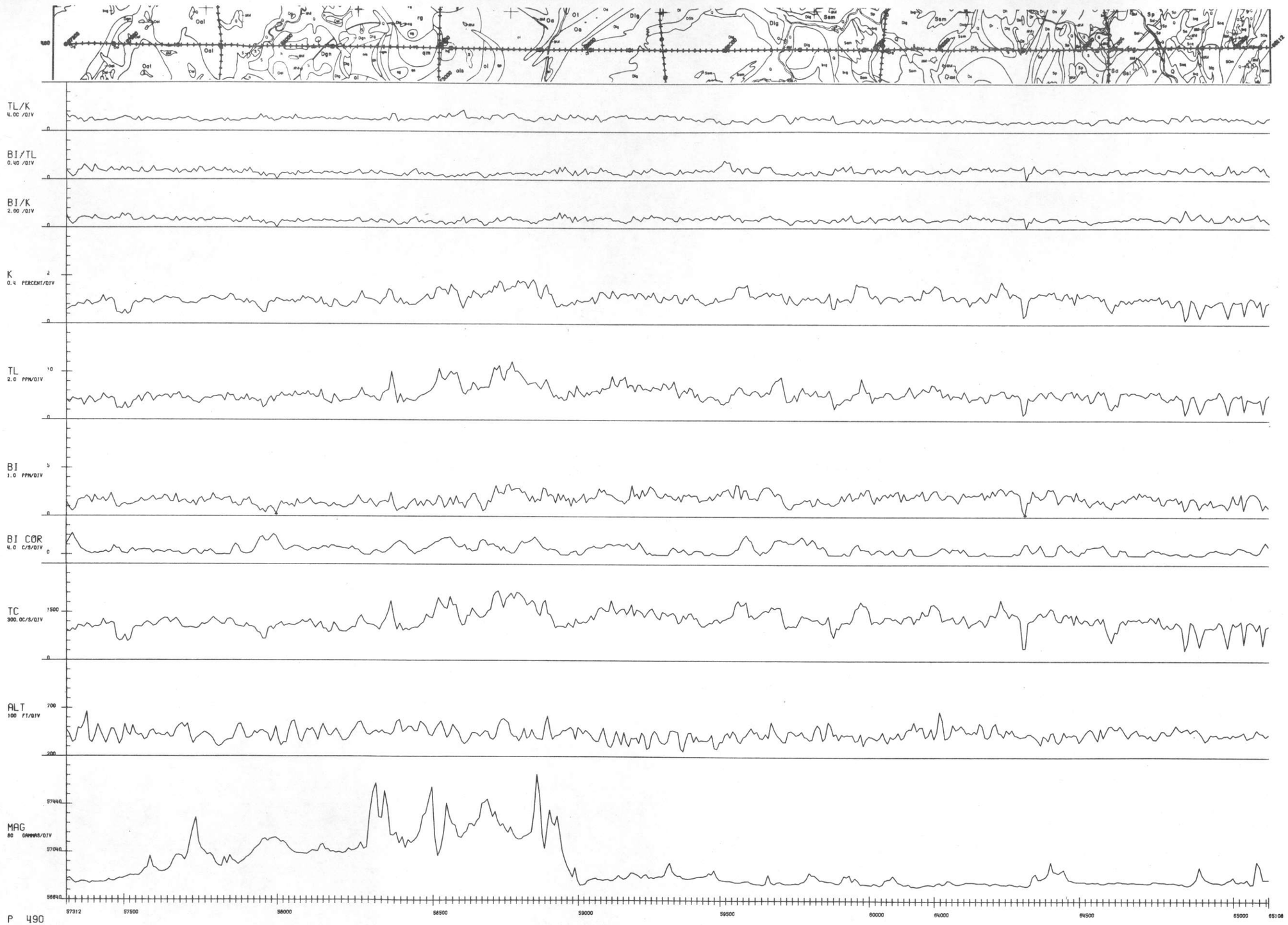

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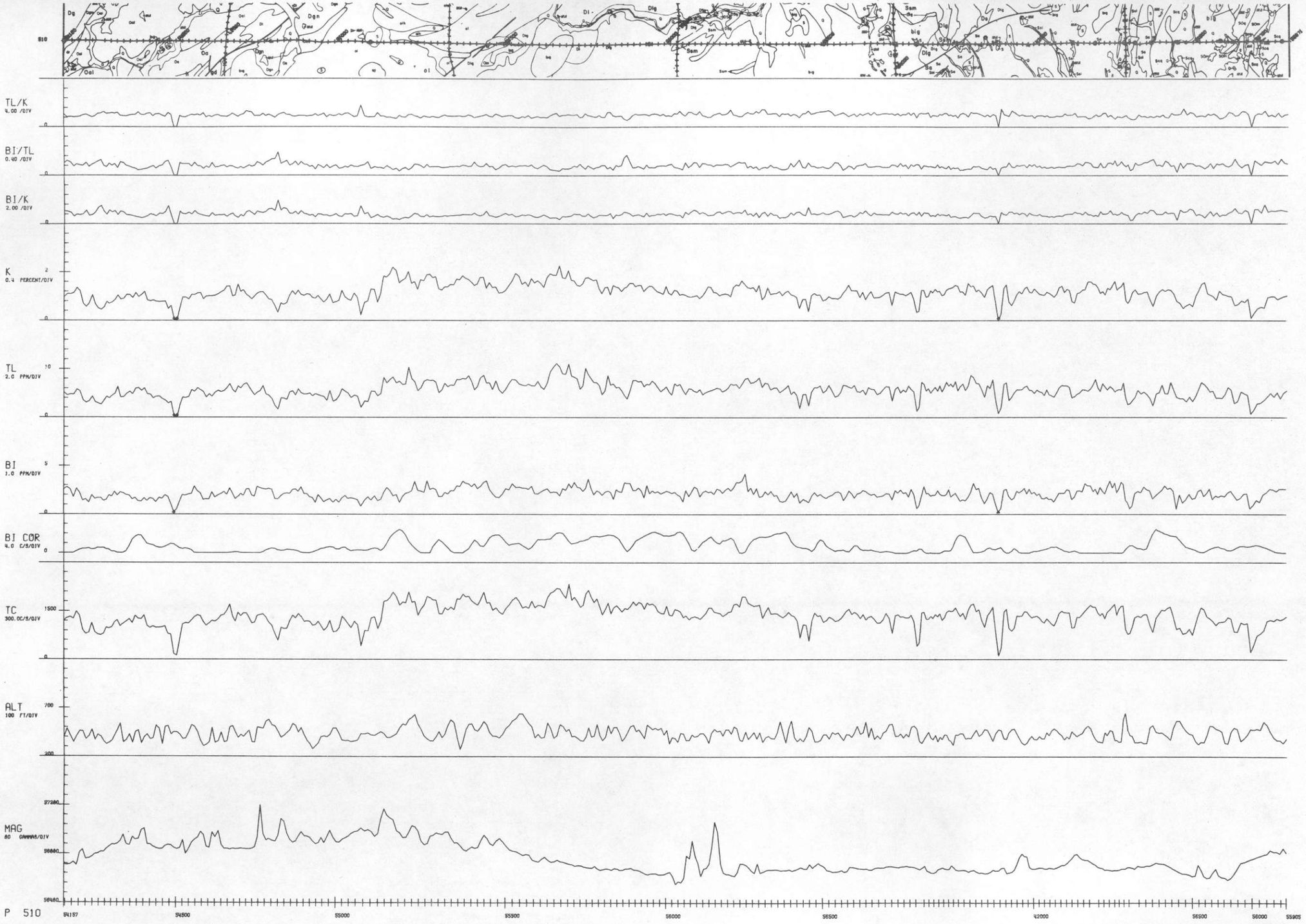

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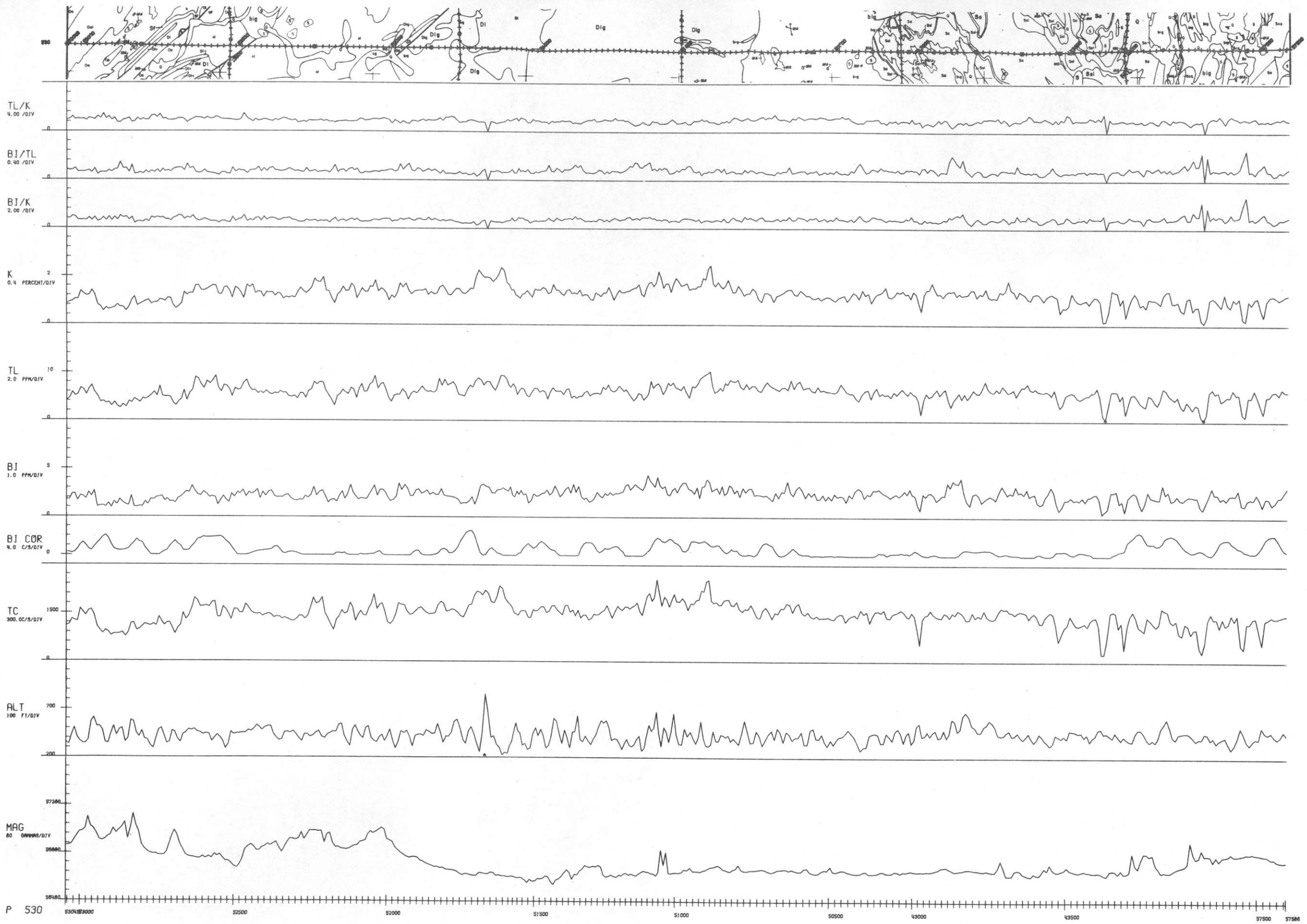

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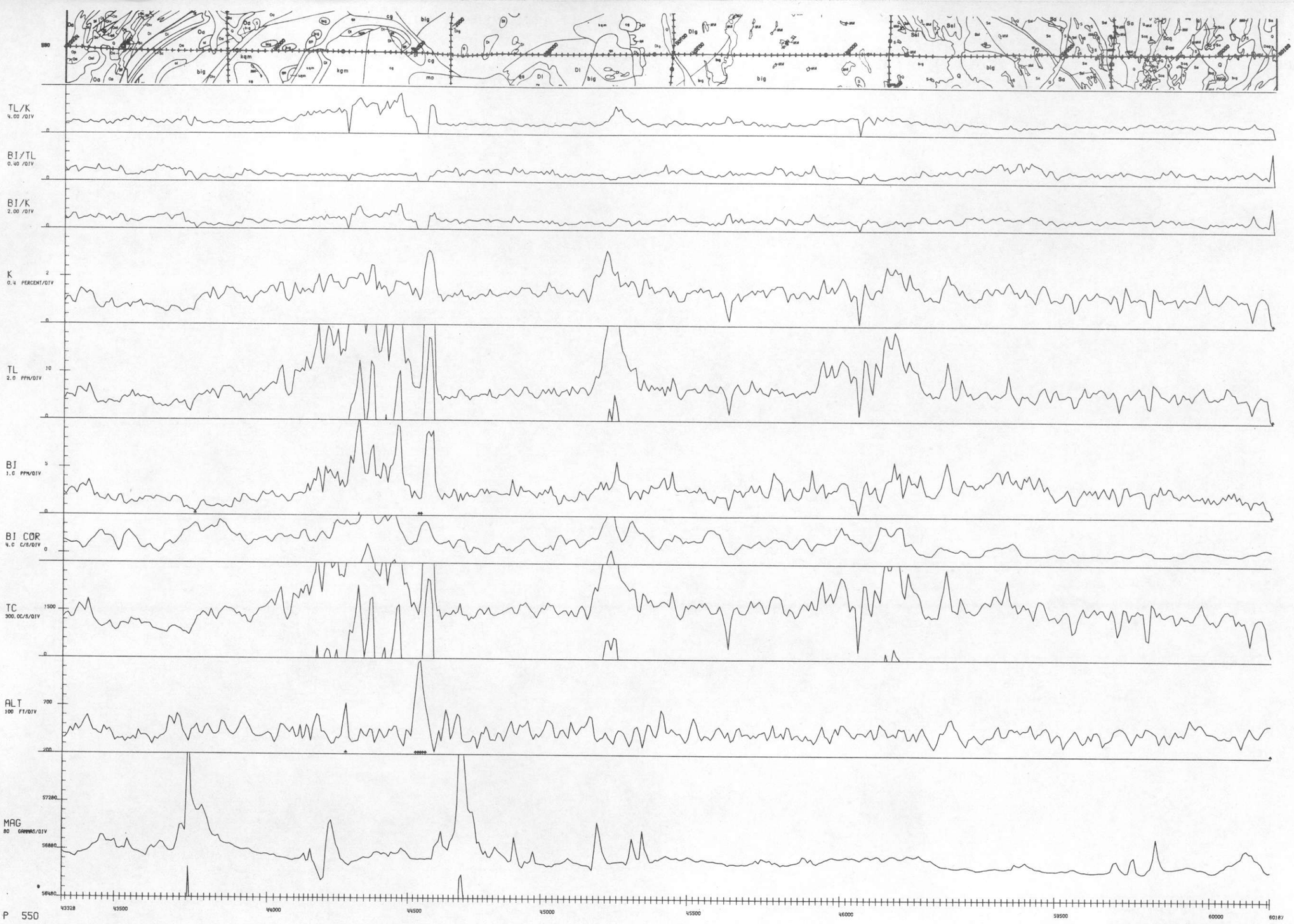

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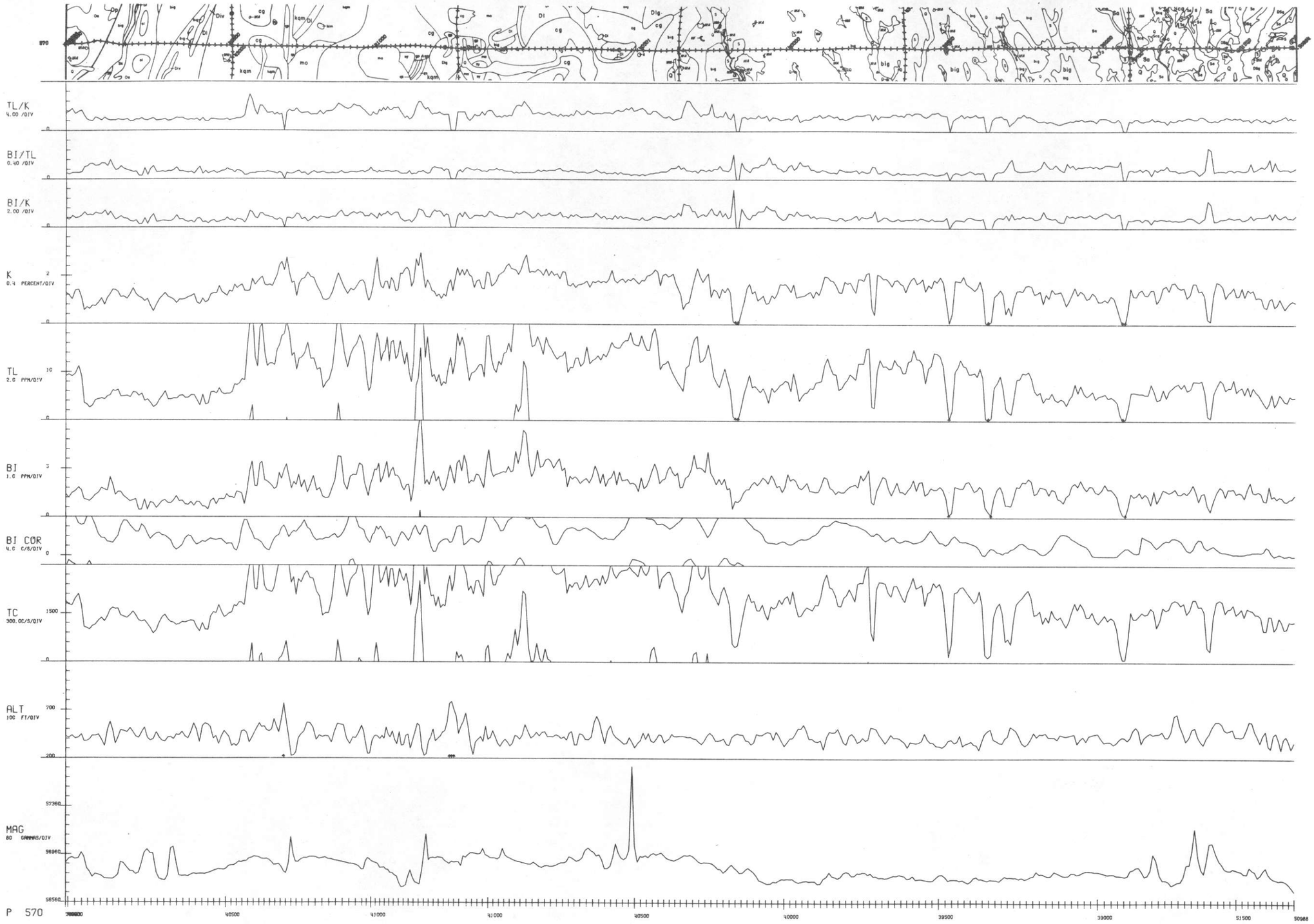

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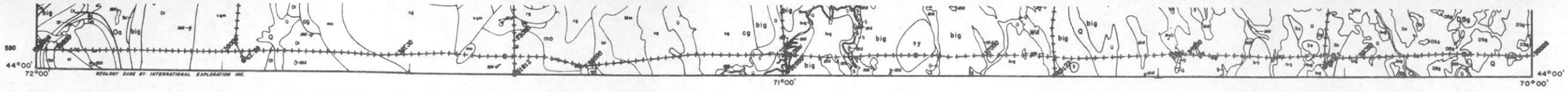
RADIOMETRIC MULTIPLE-PARAMETER STACKED PROFILES

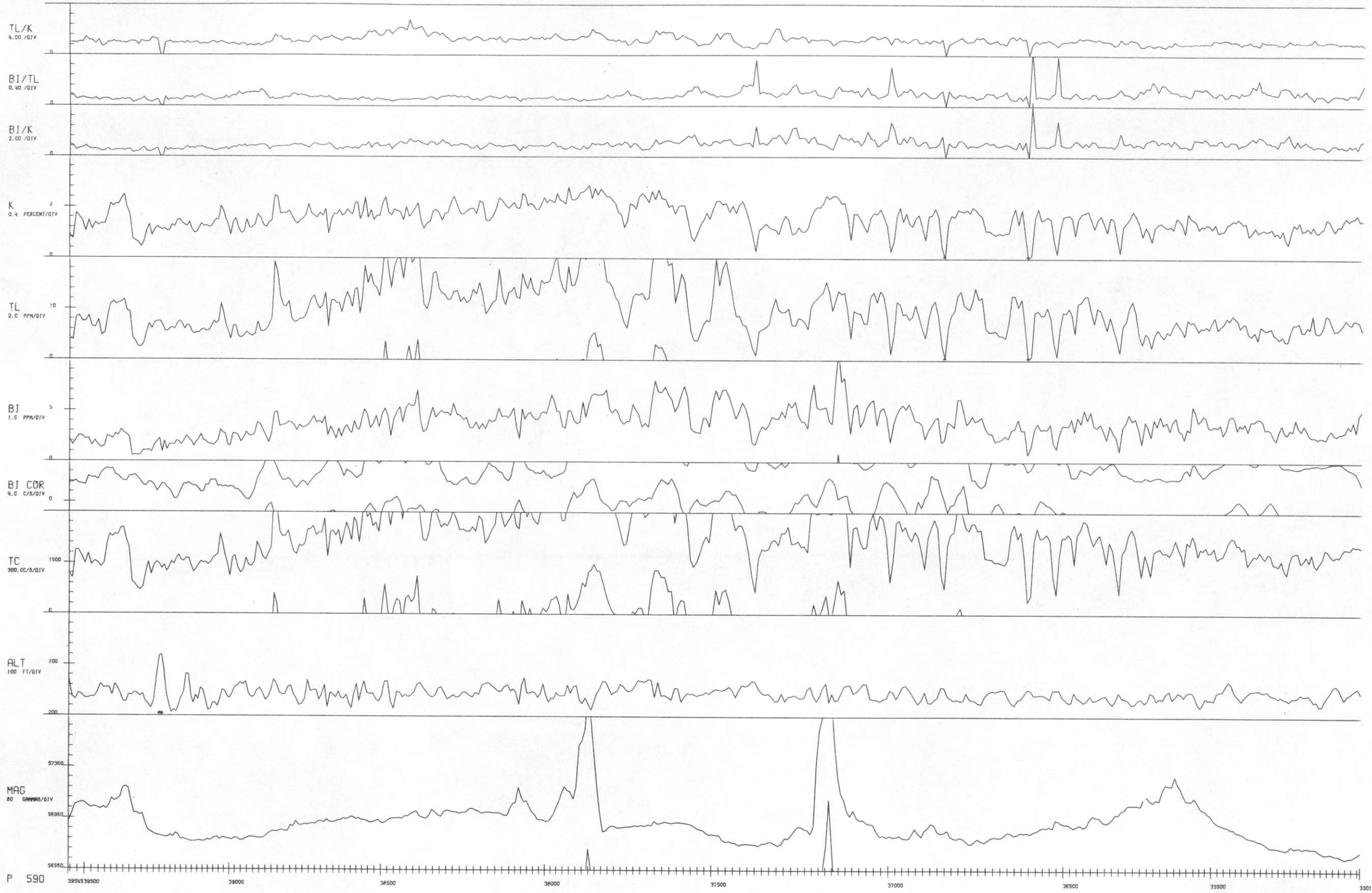
1980-1981

BY: CARSON HELICOPTERS, INC. 32-H BLOOMING GLEN ROAD PERKASIE, PENNA. 18944

PREPARED FOR

DEPARTMENT OF ENERGY





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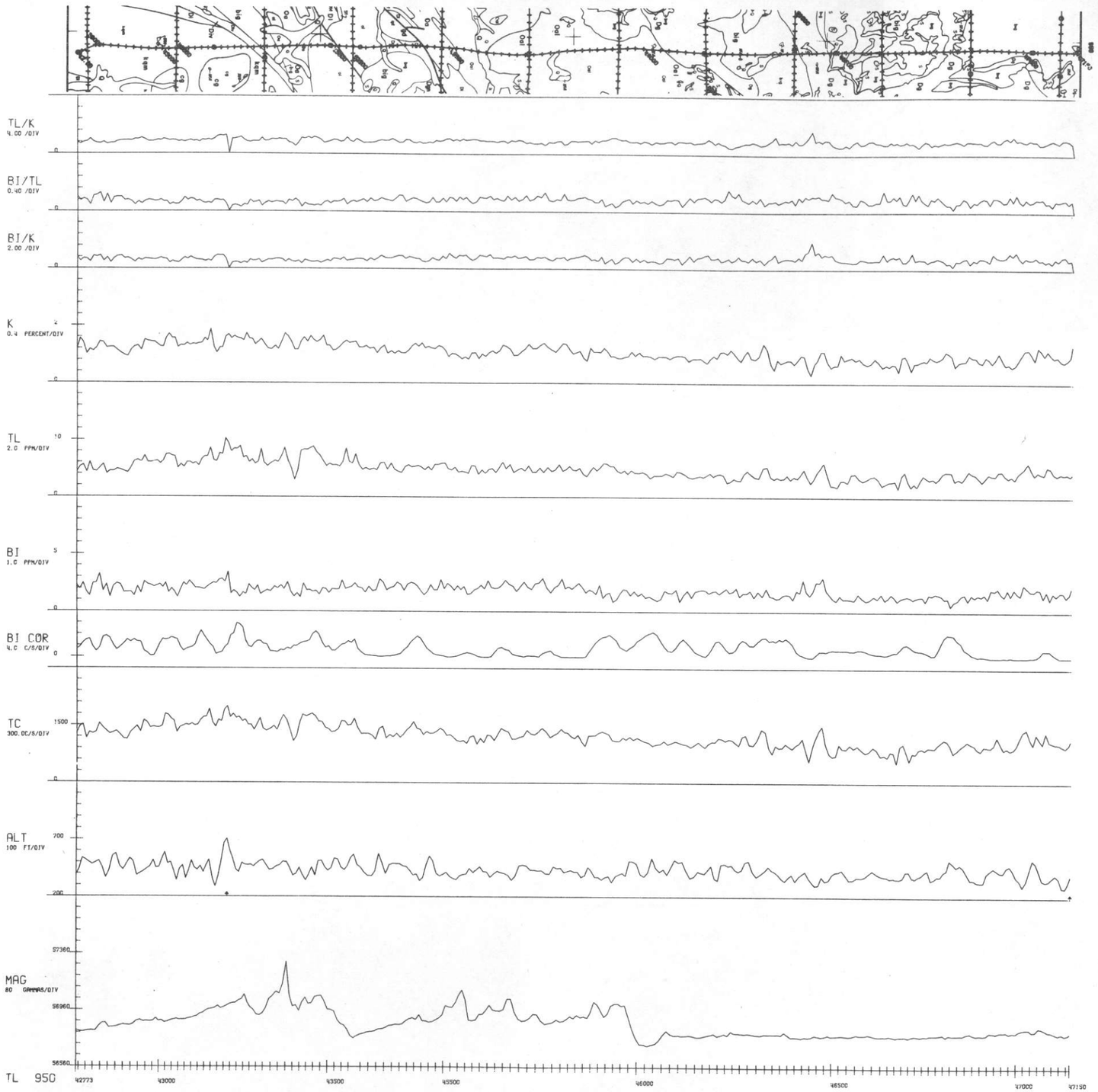

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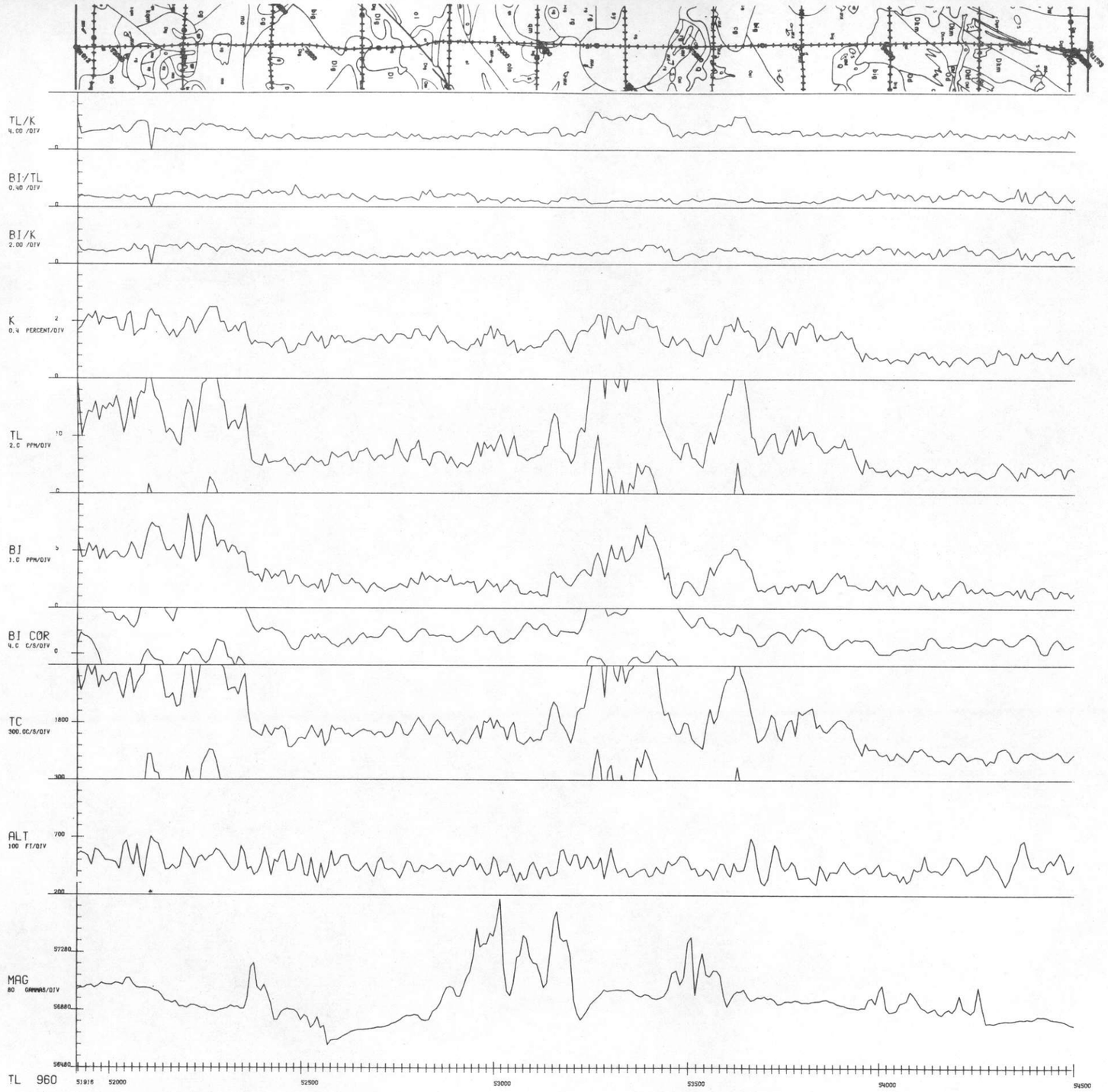

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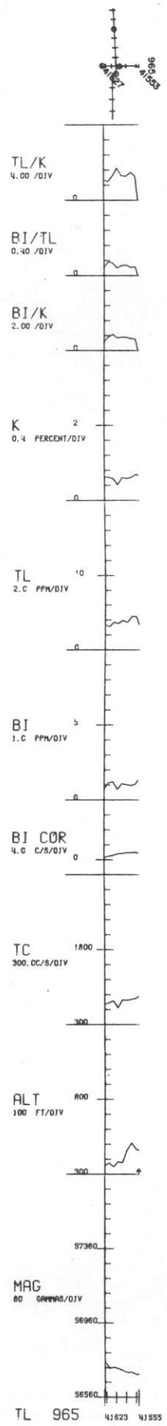

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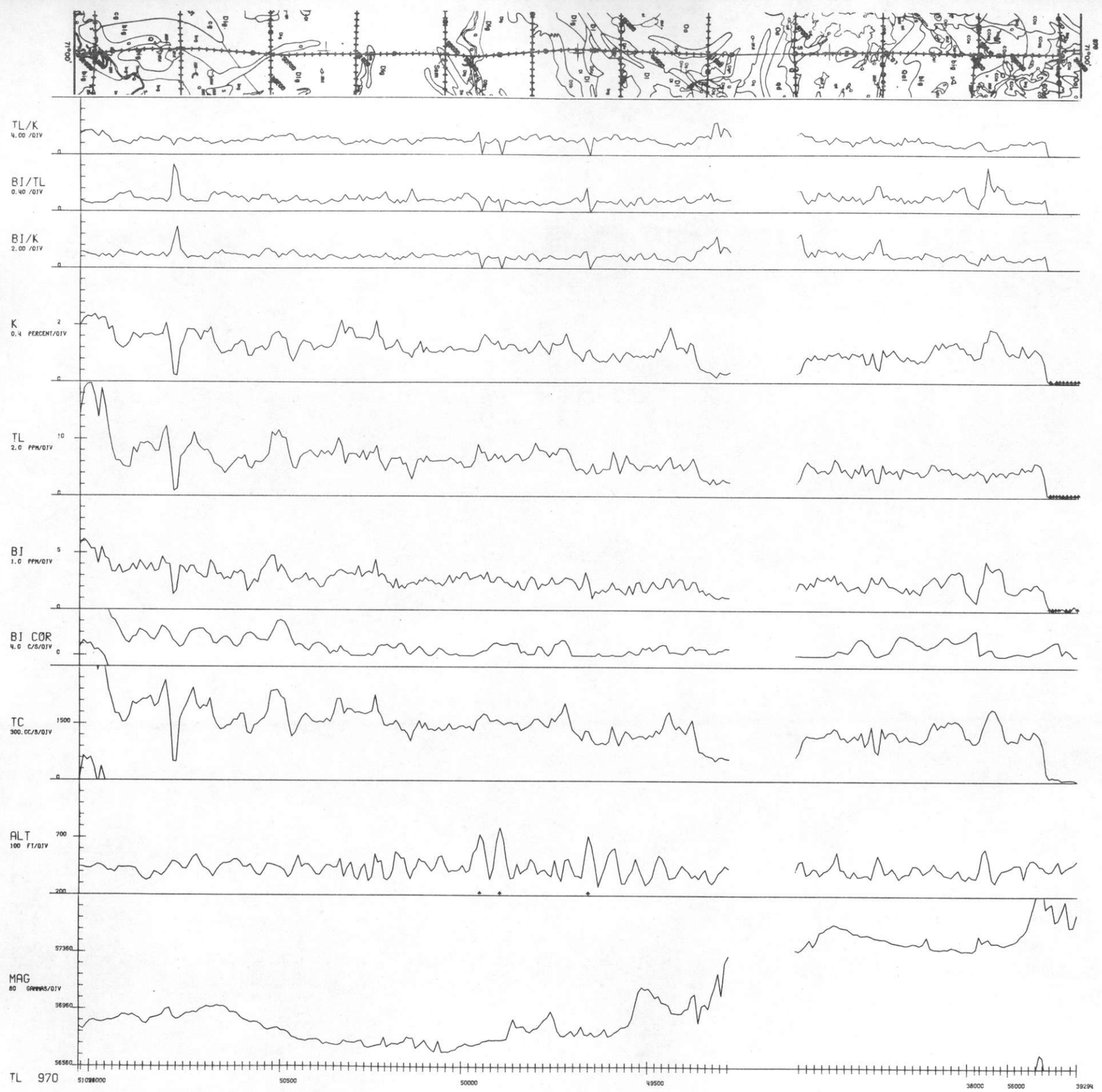

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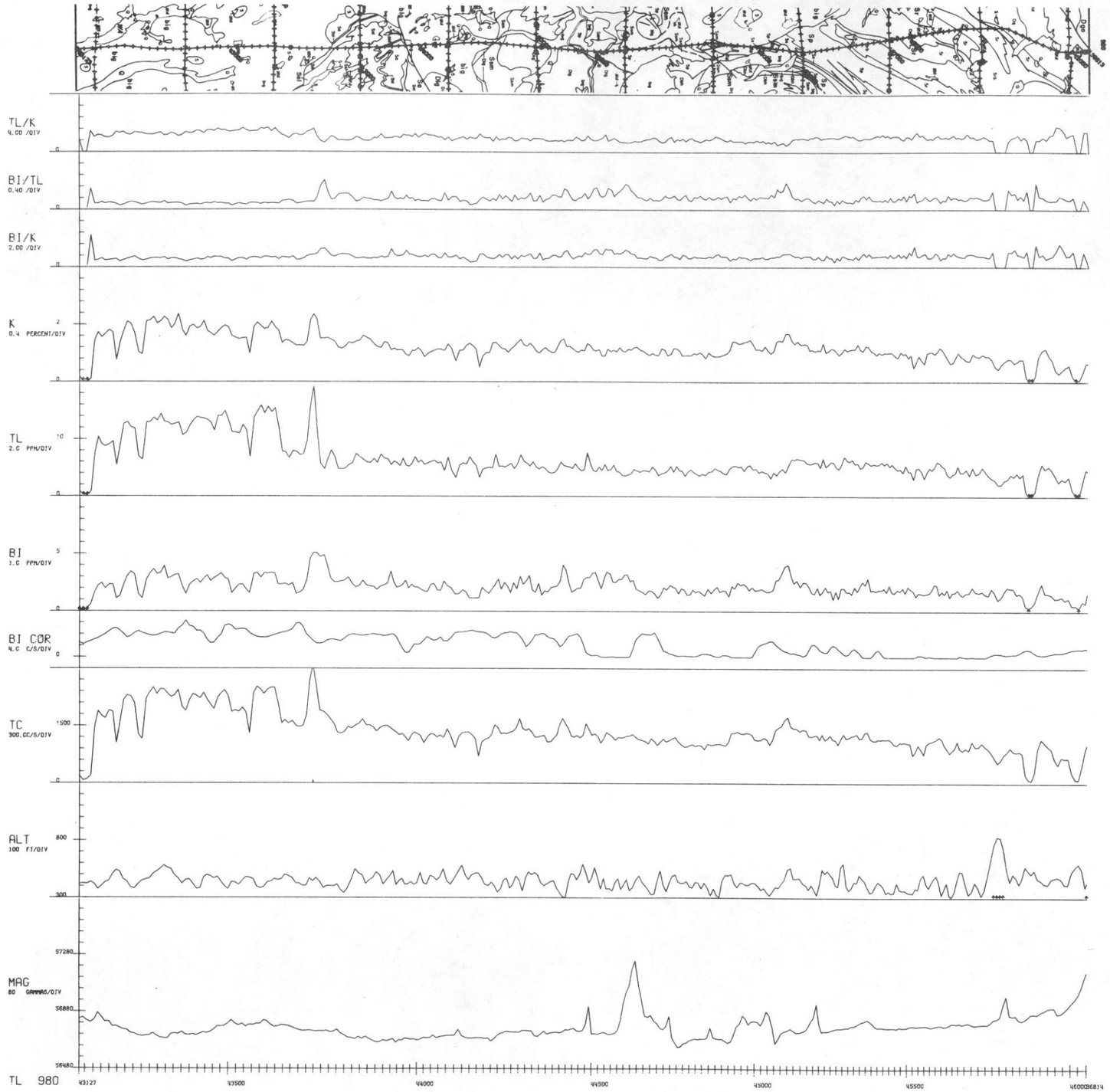

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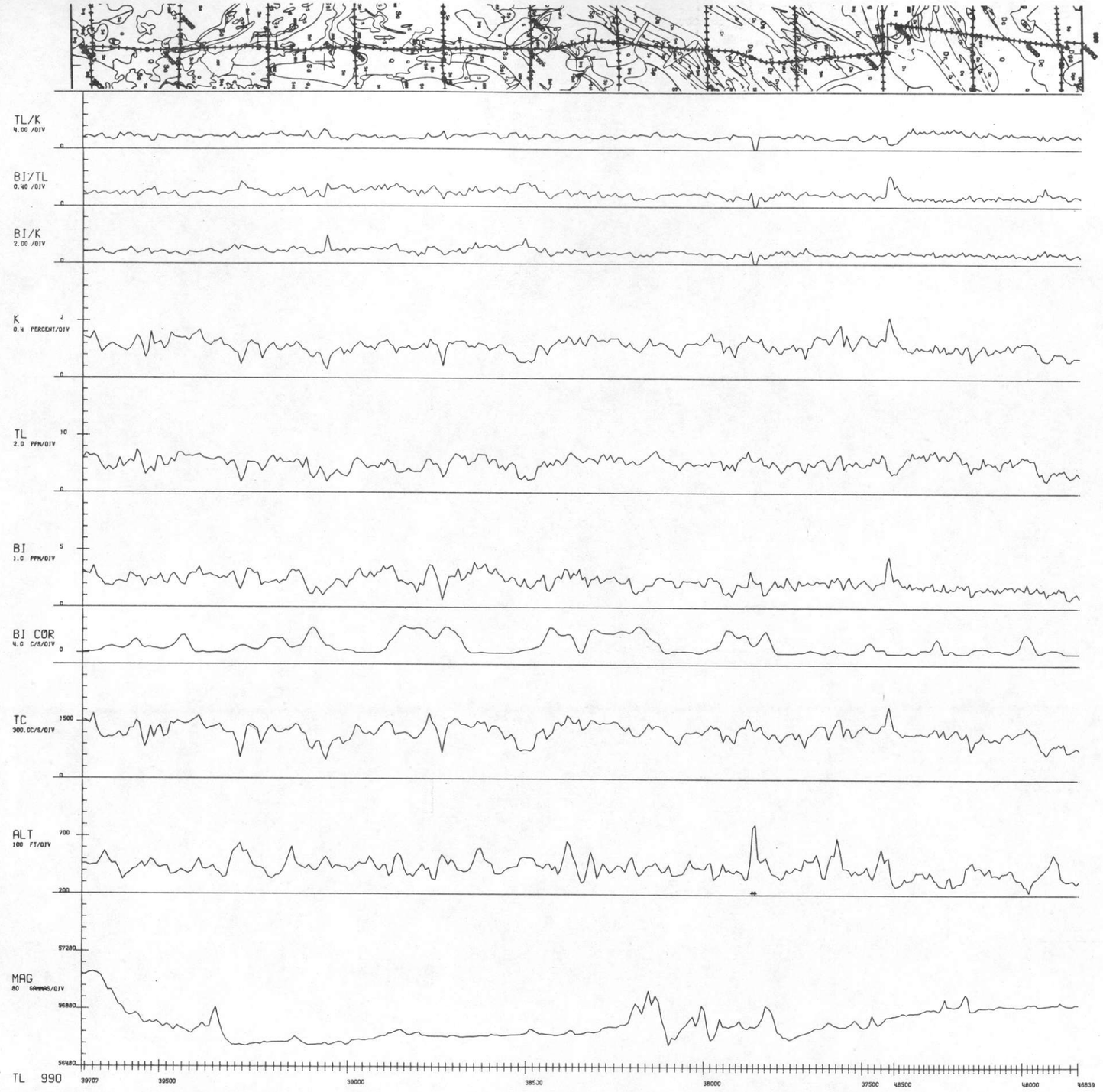

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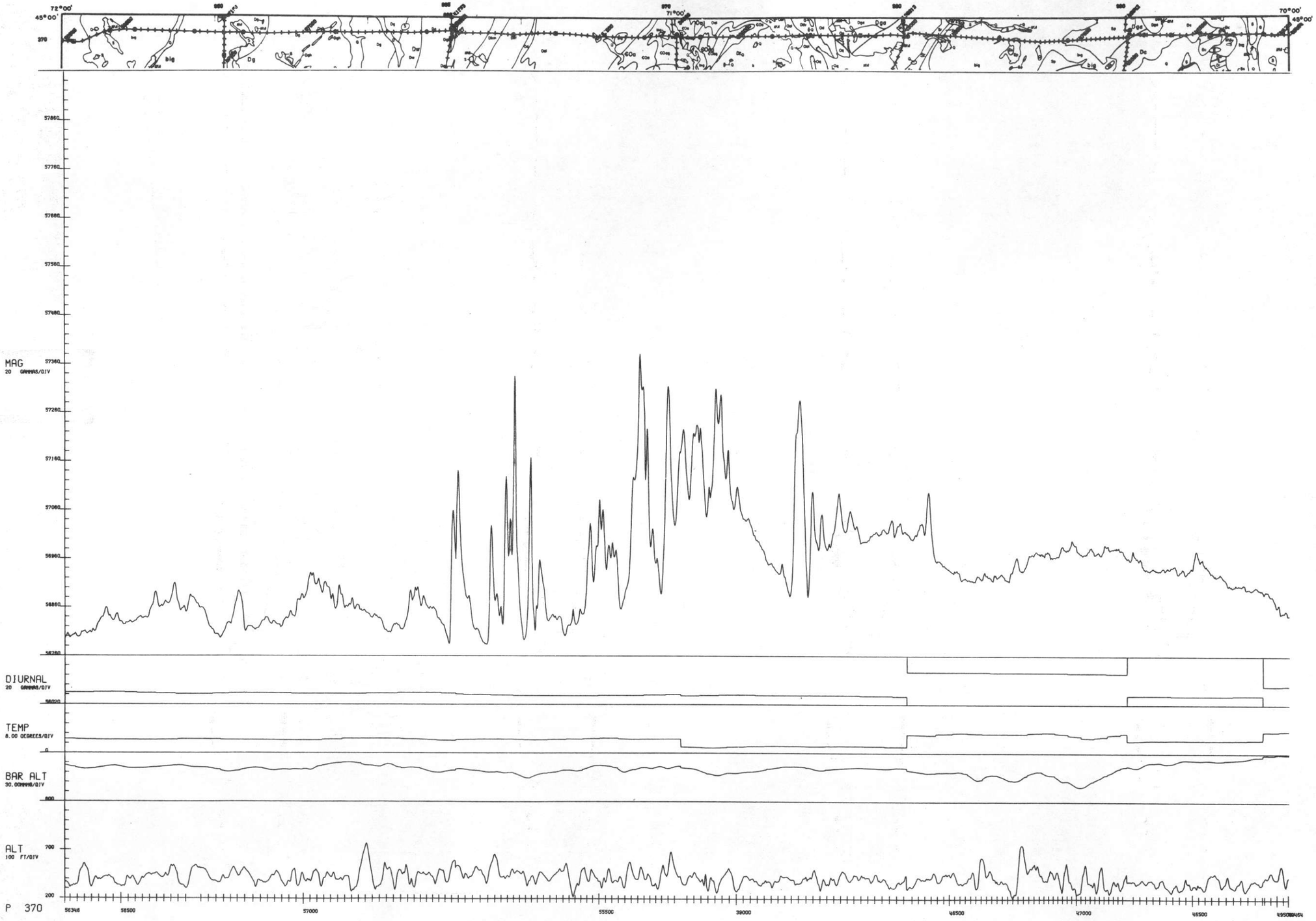

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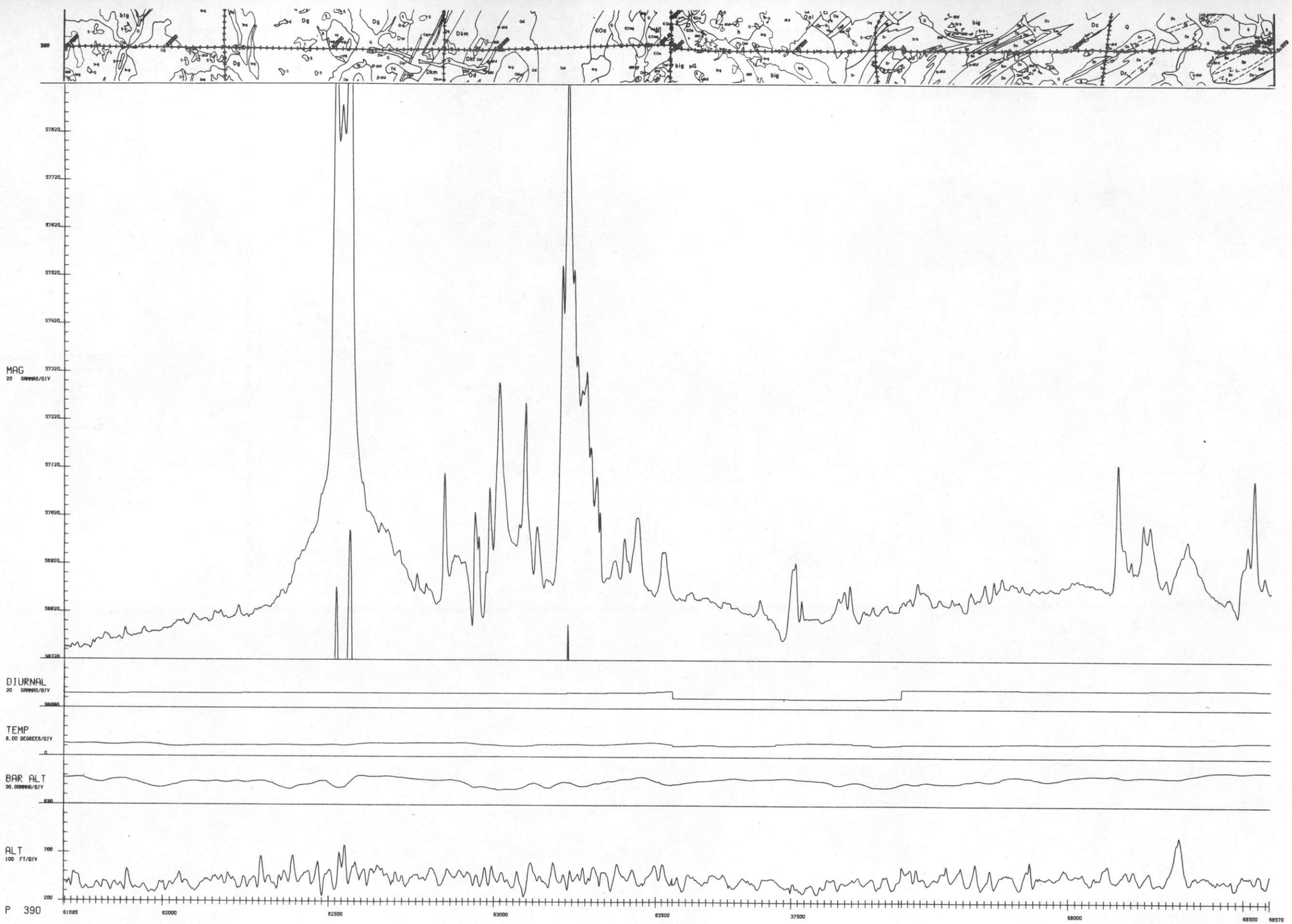

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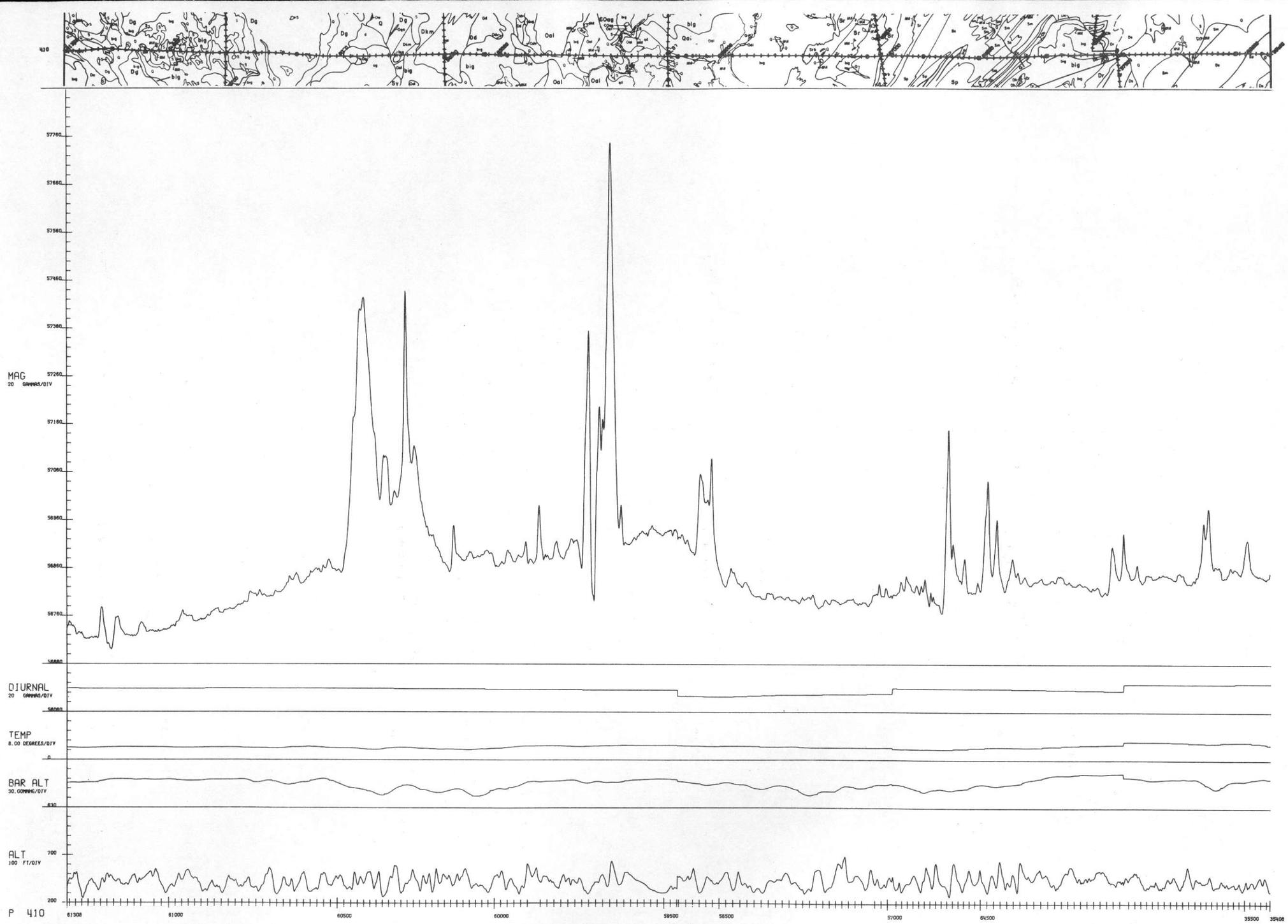

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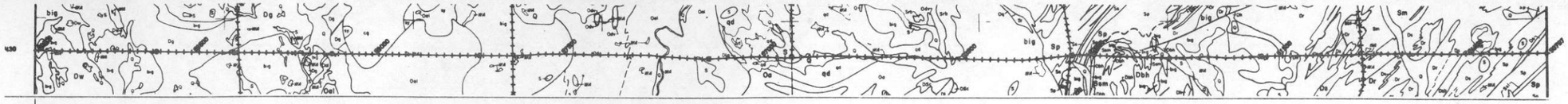

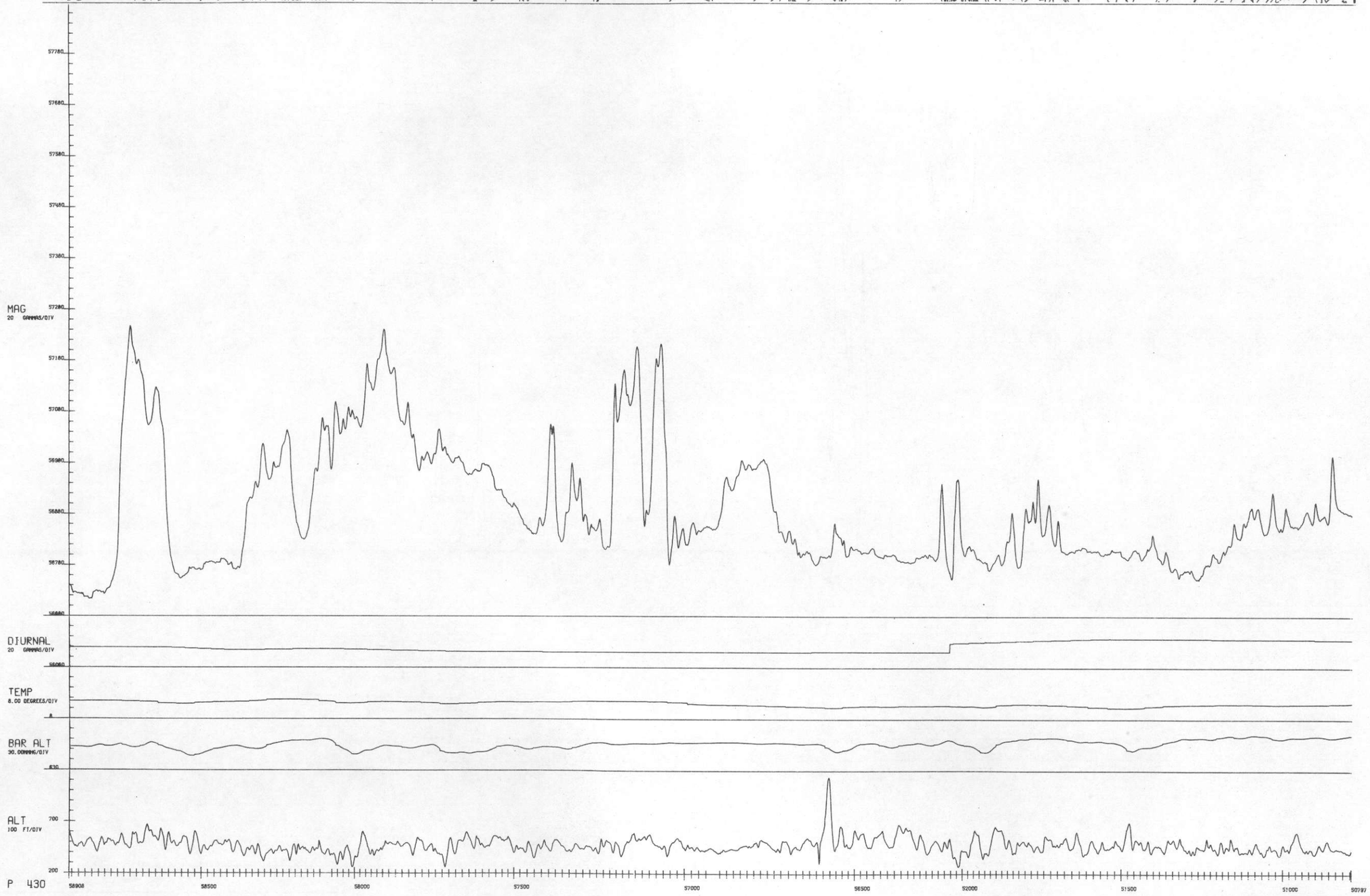

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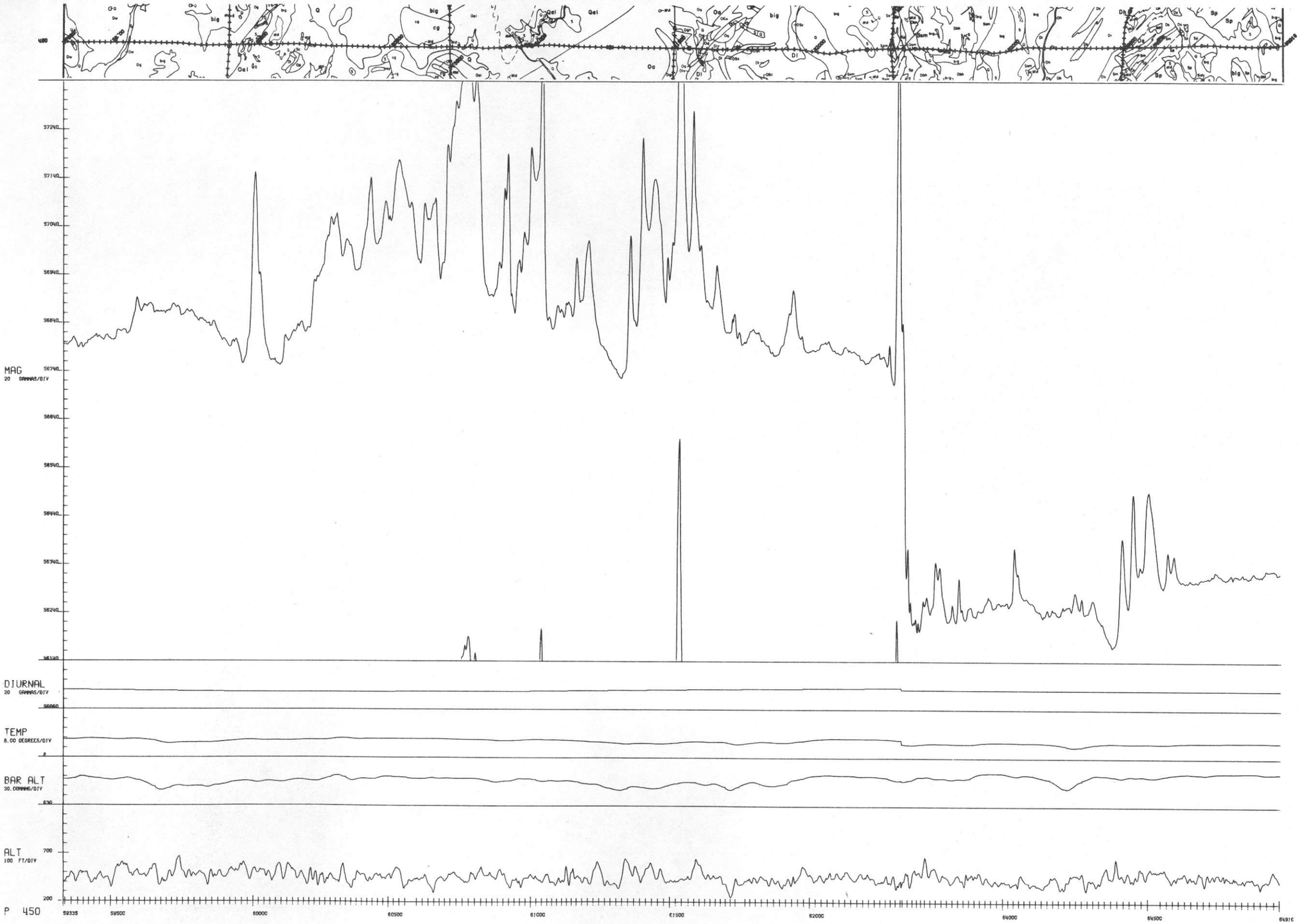

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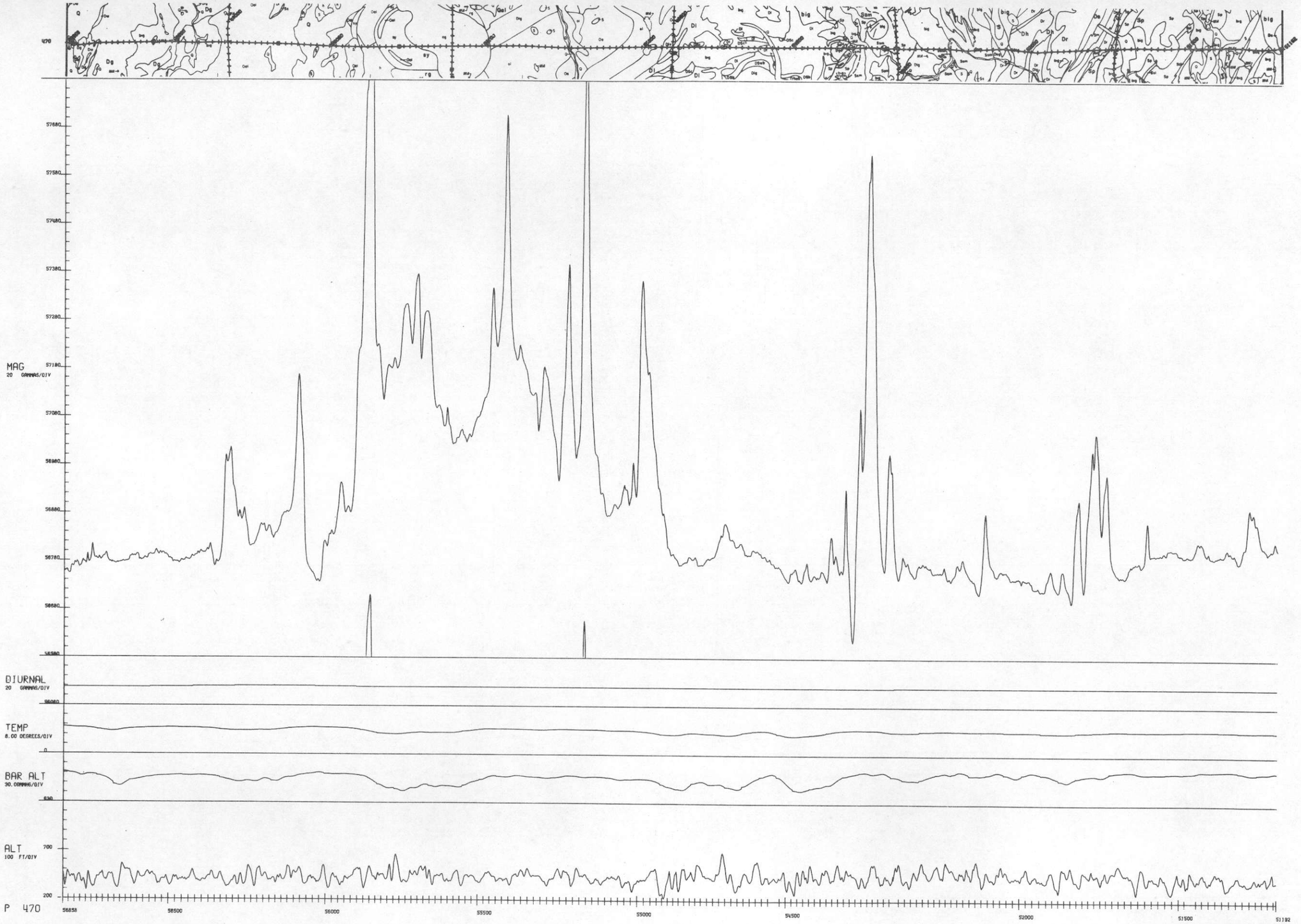

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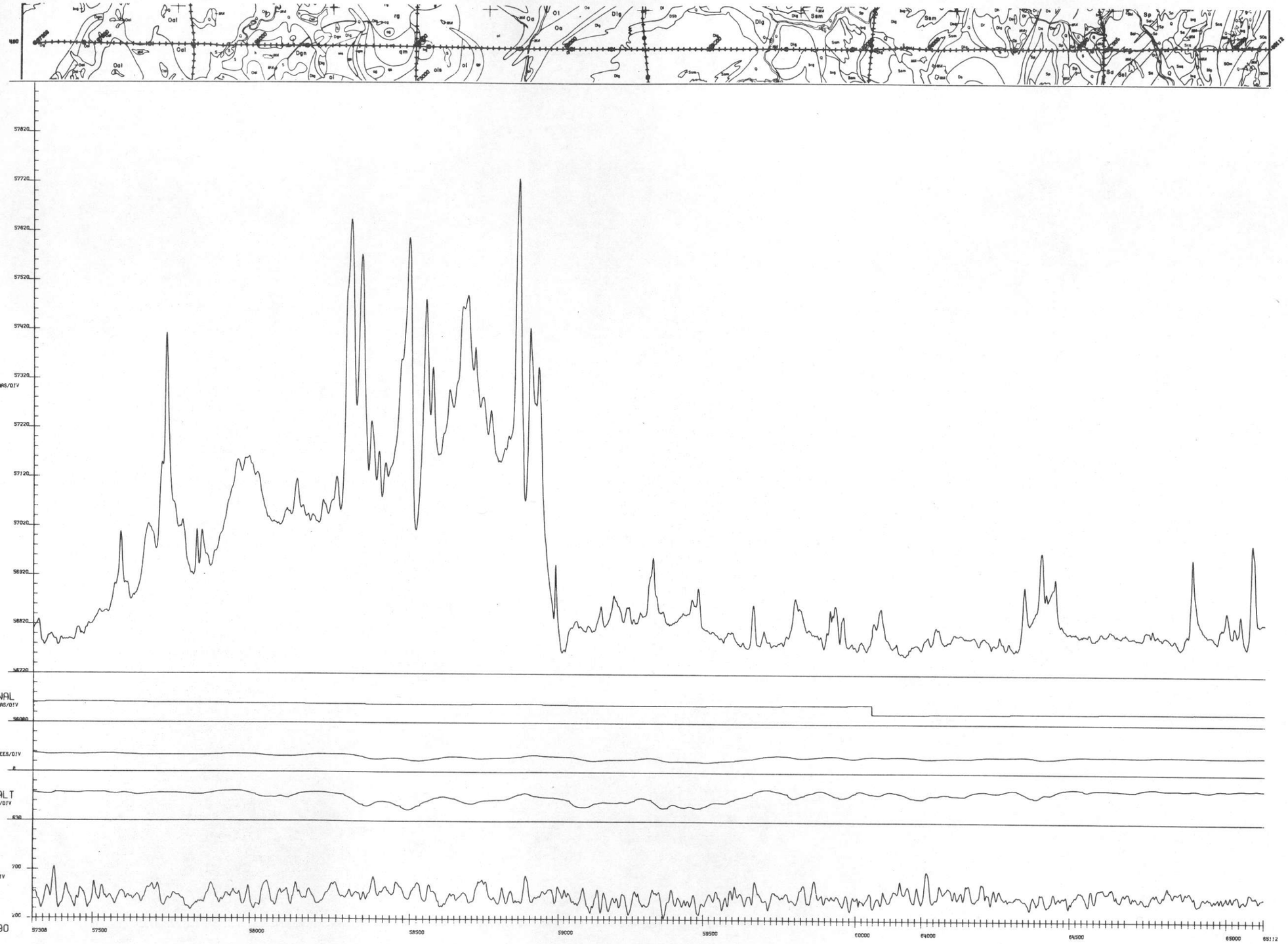

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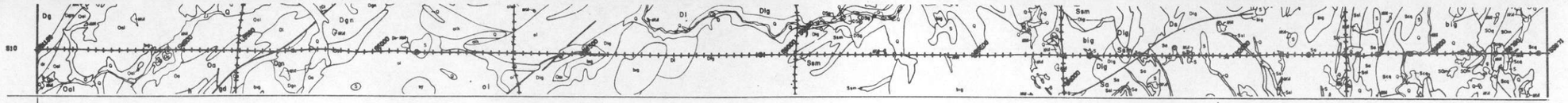

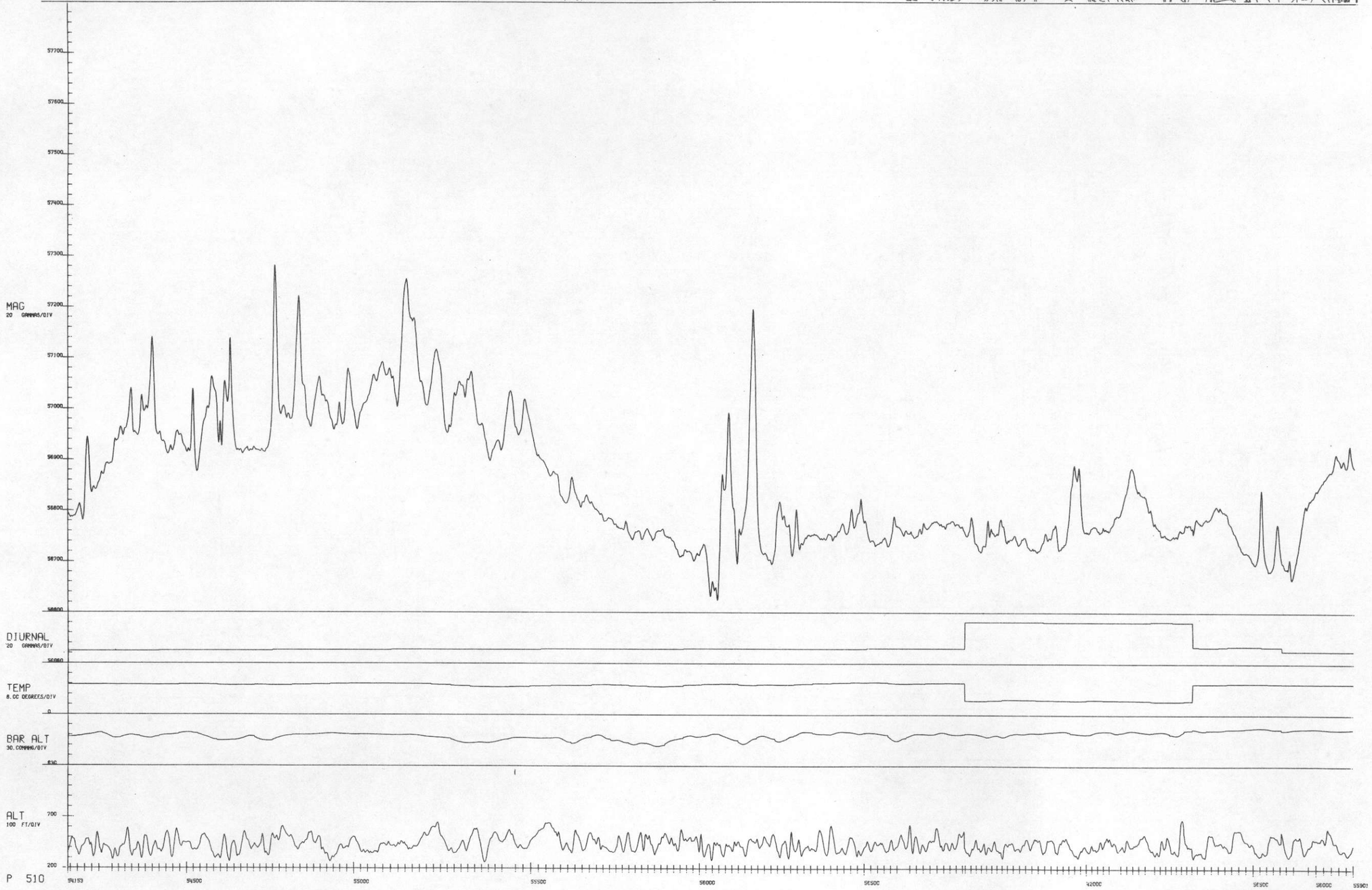

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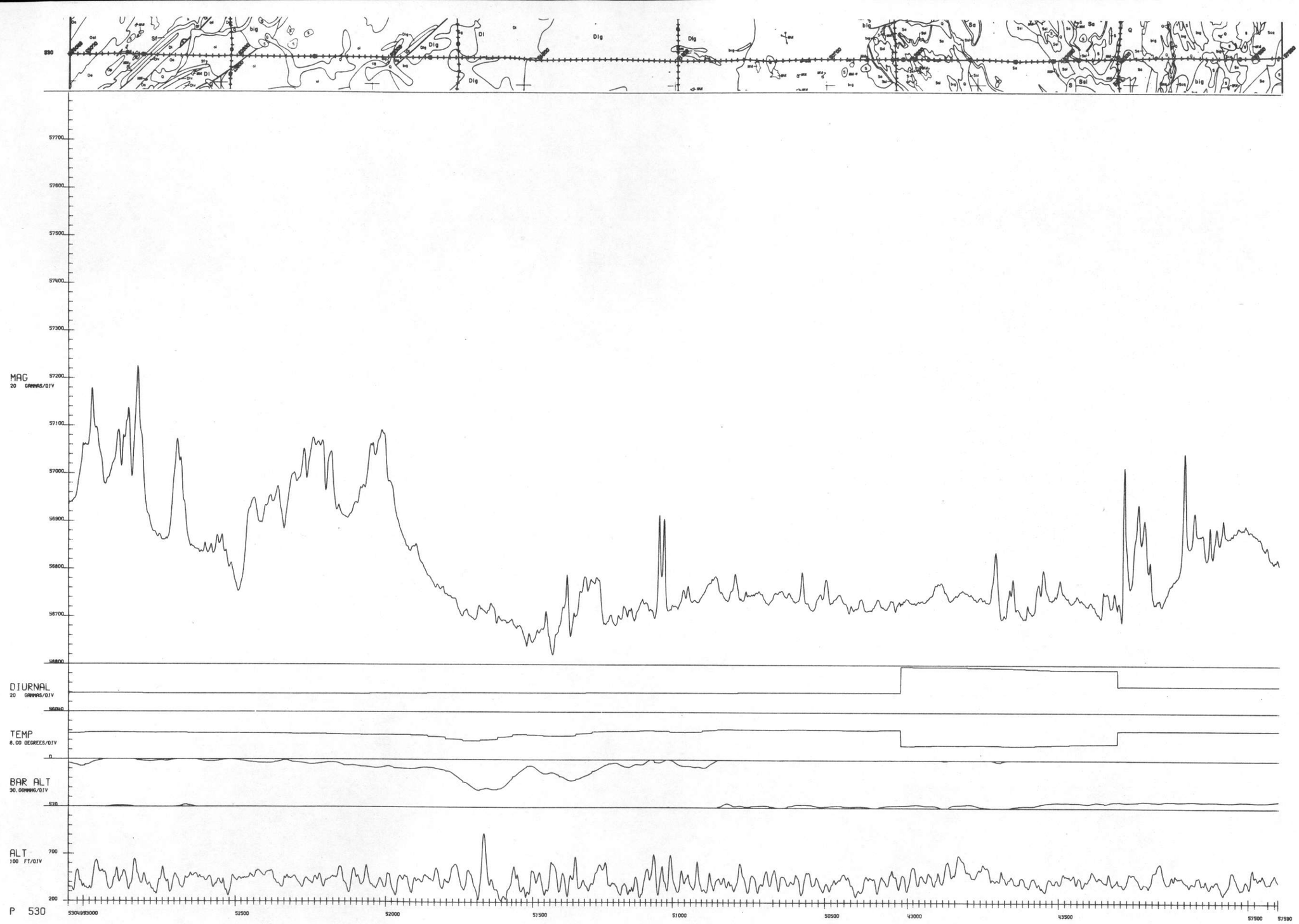

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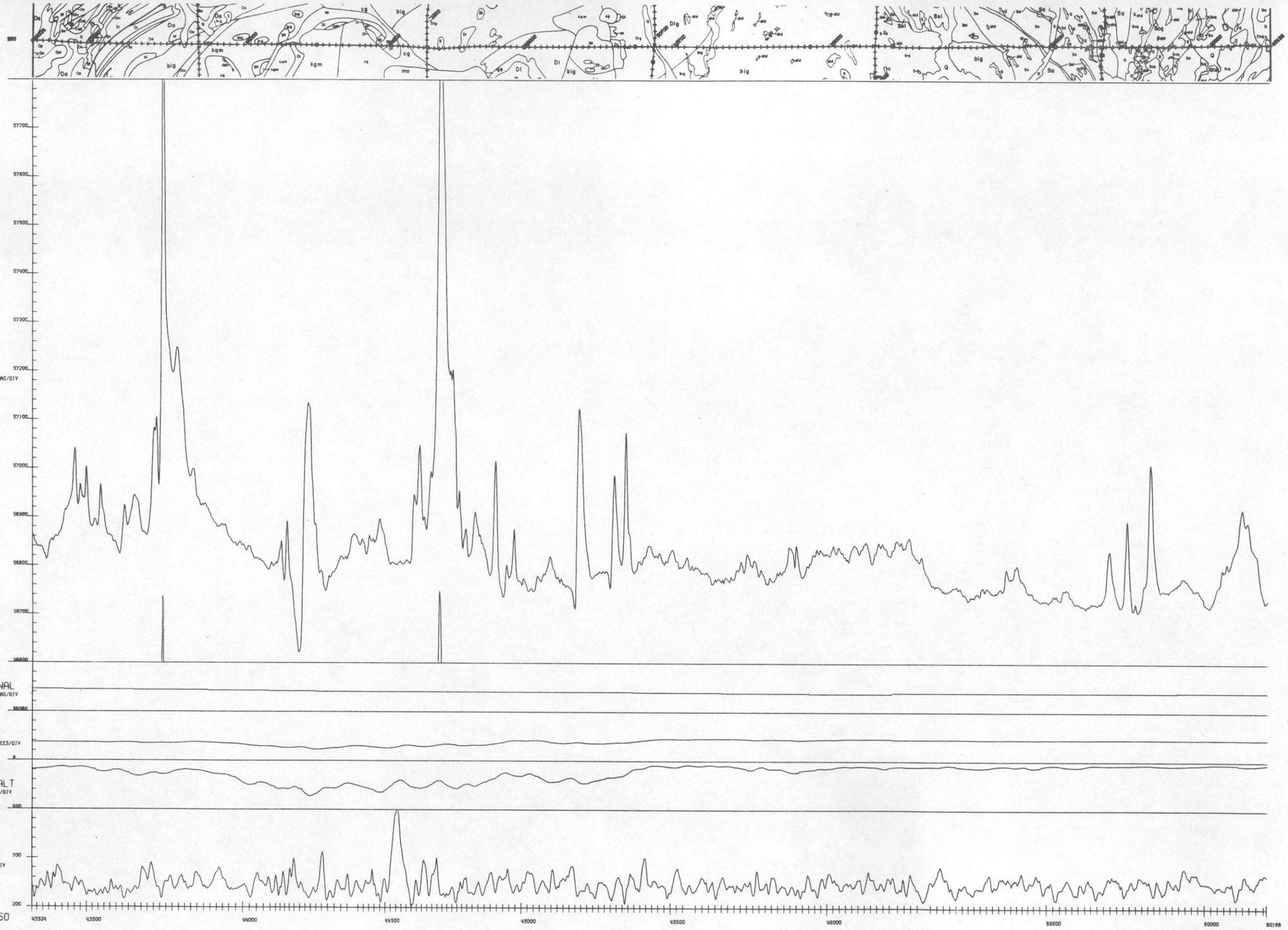

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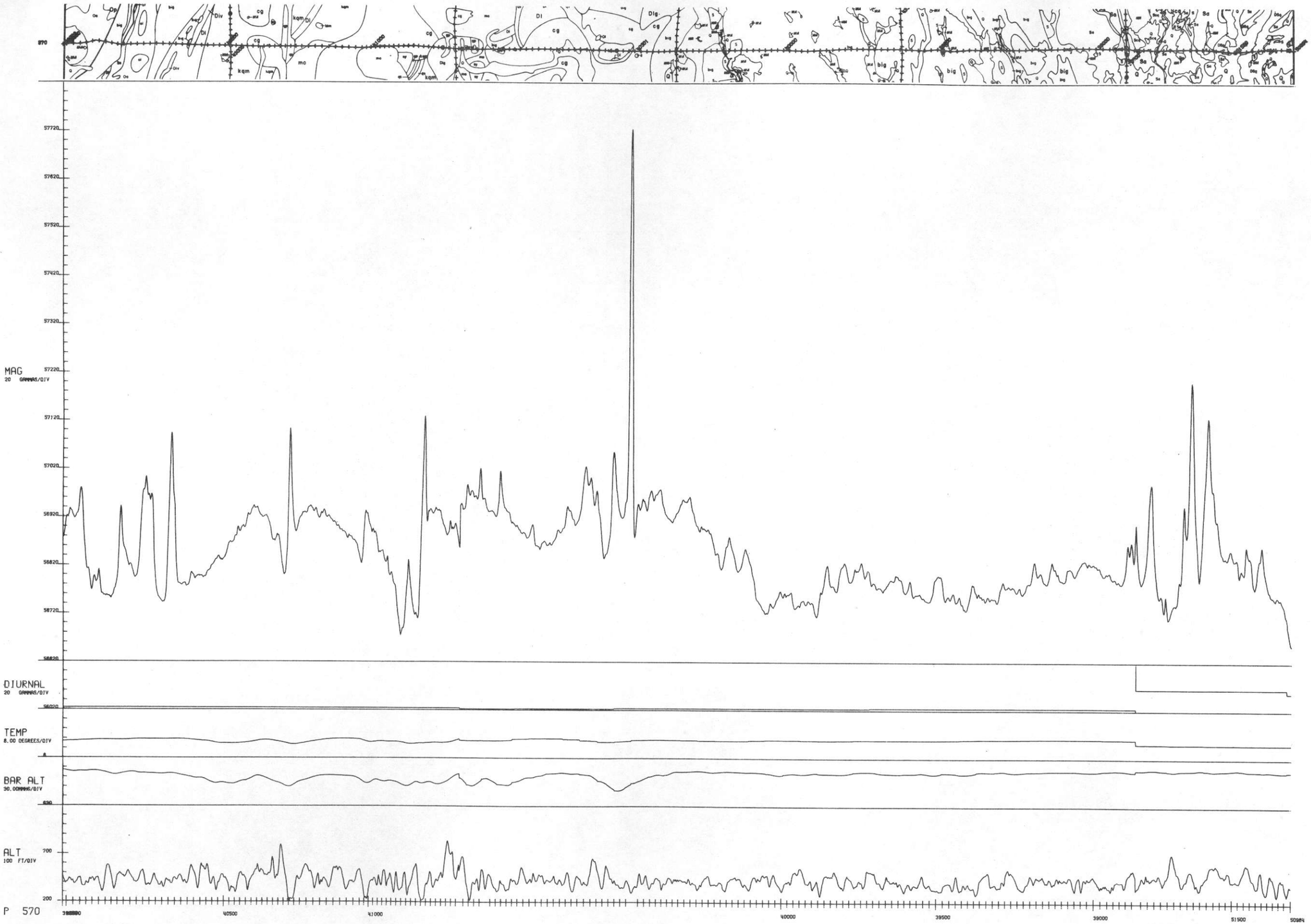

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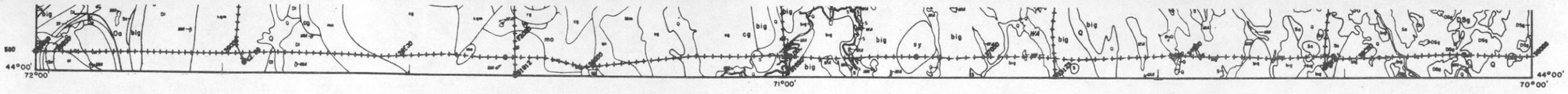

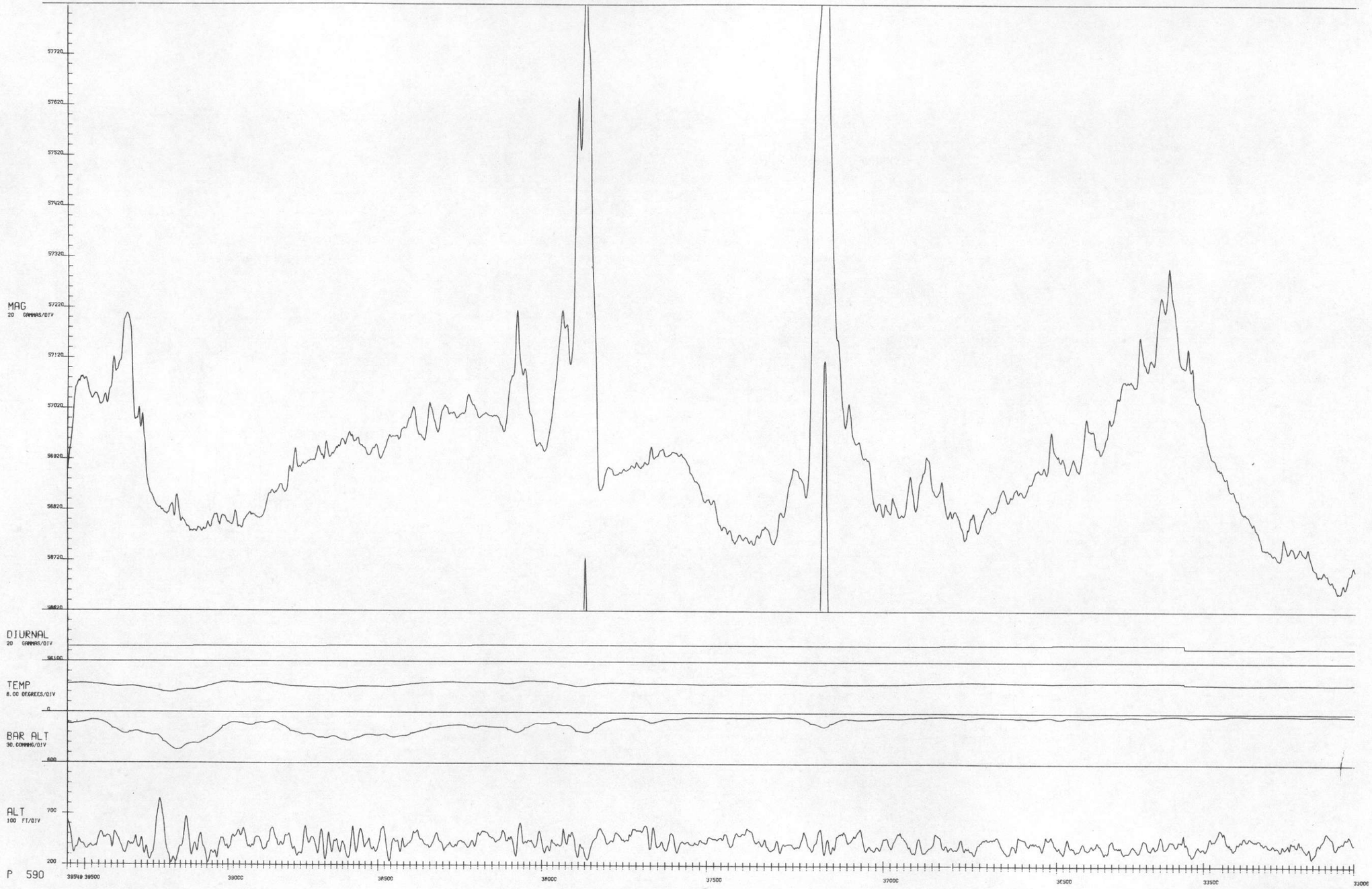

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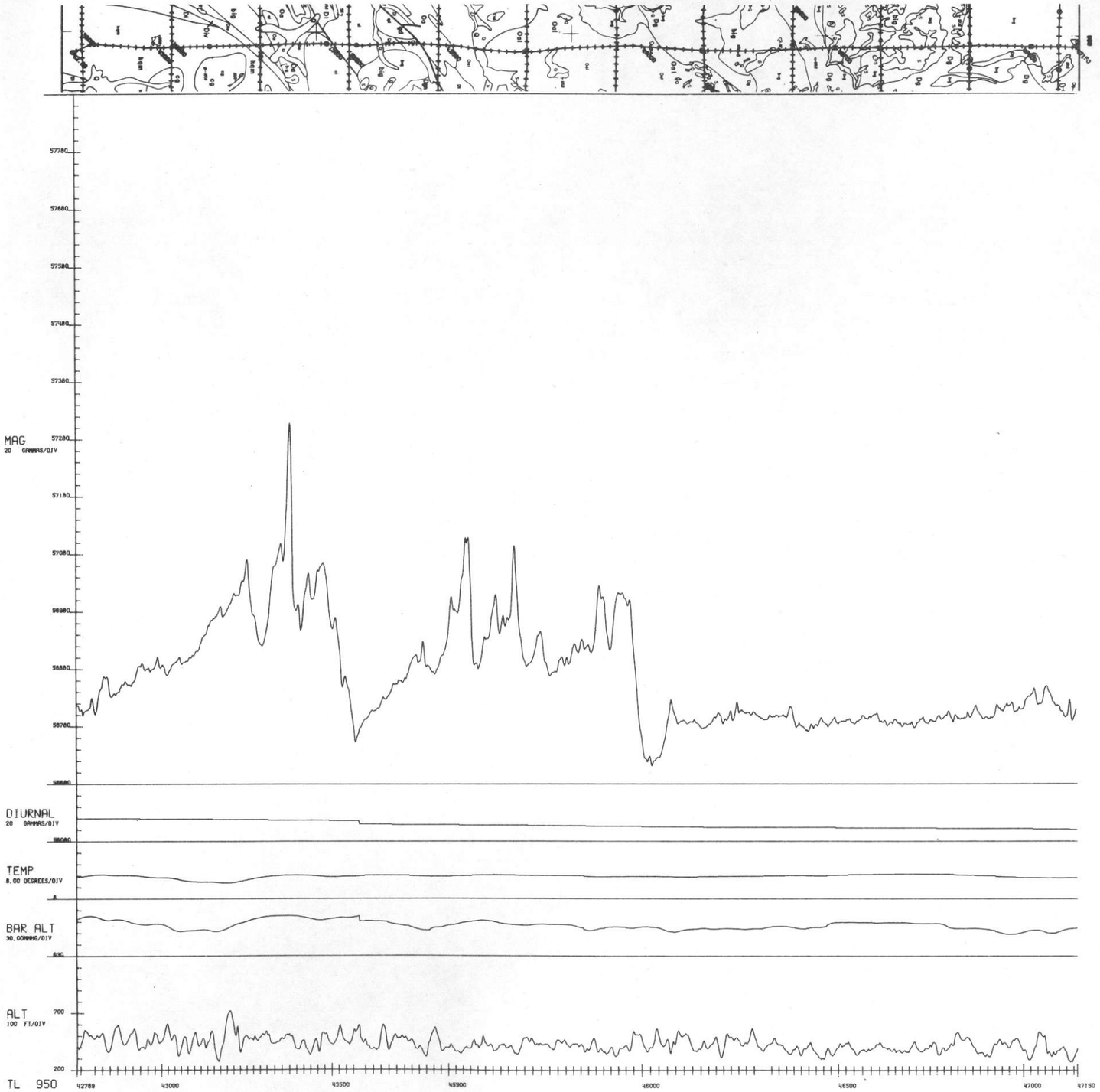

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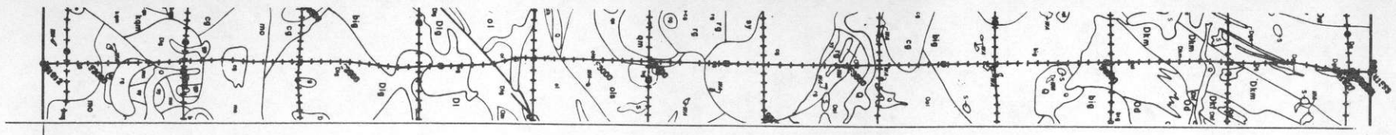

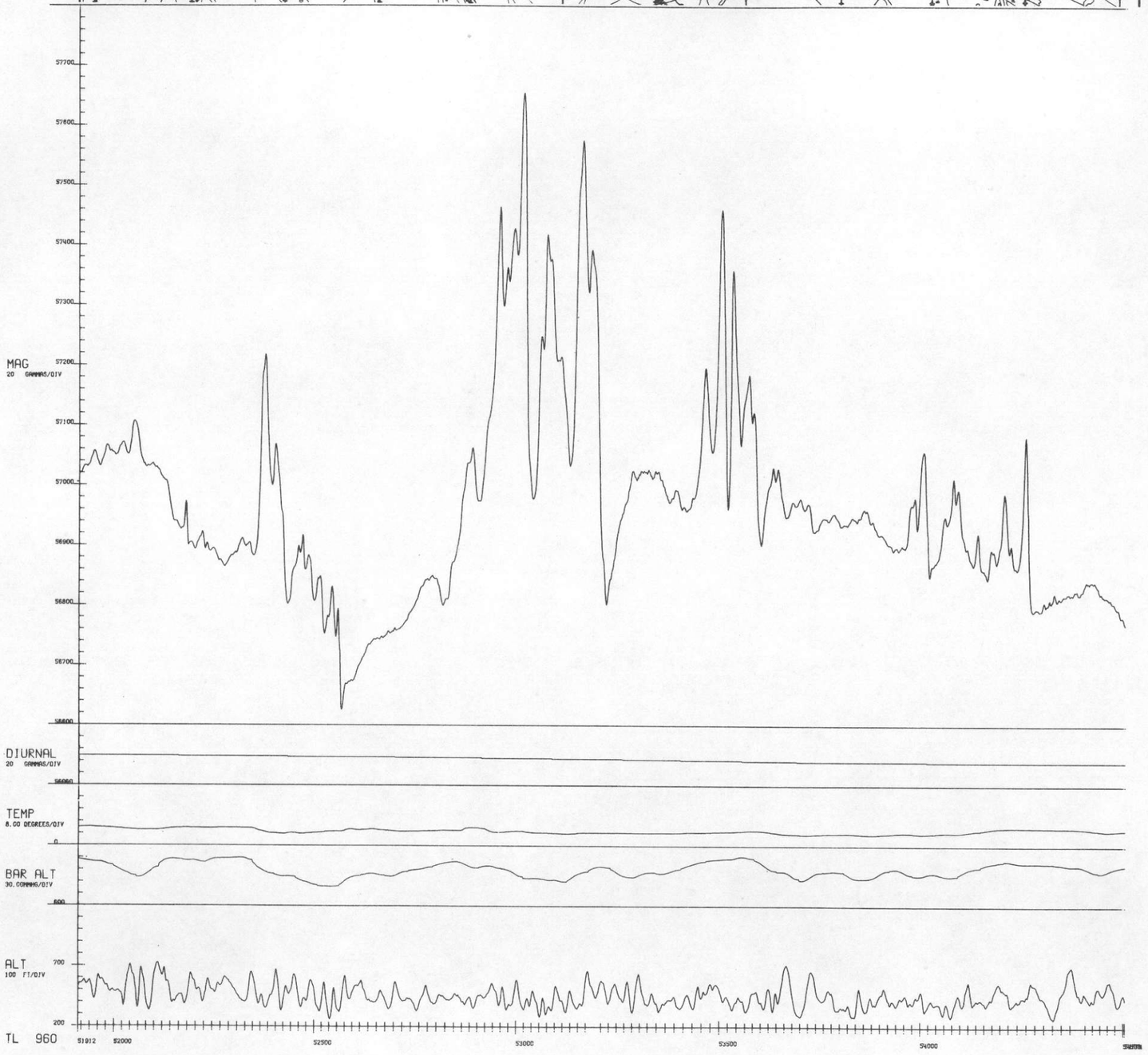

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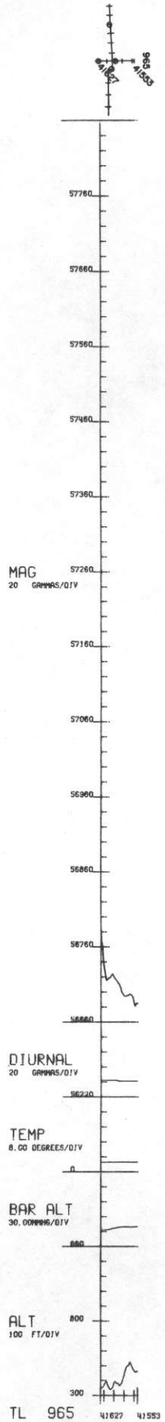

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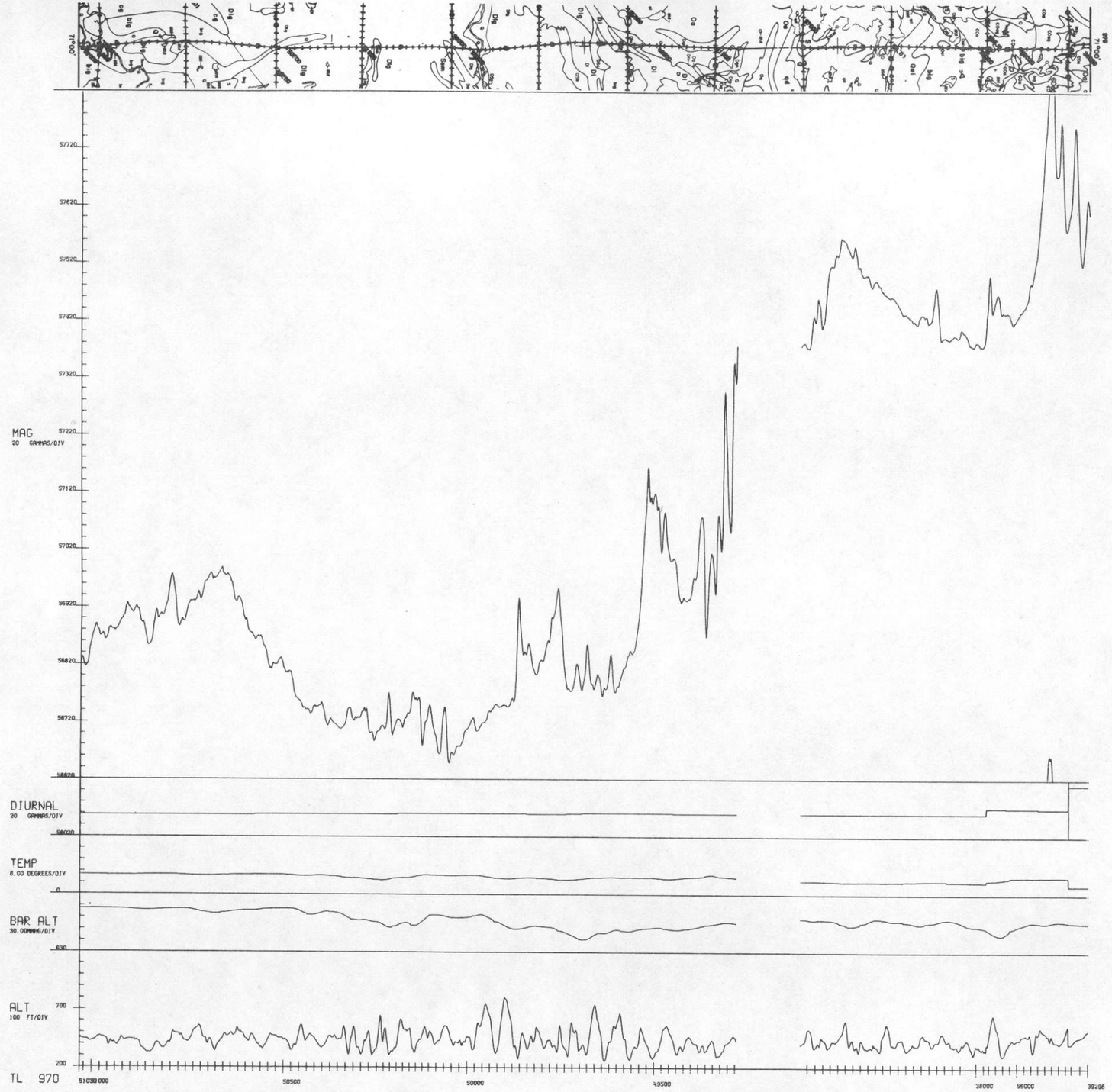

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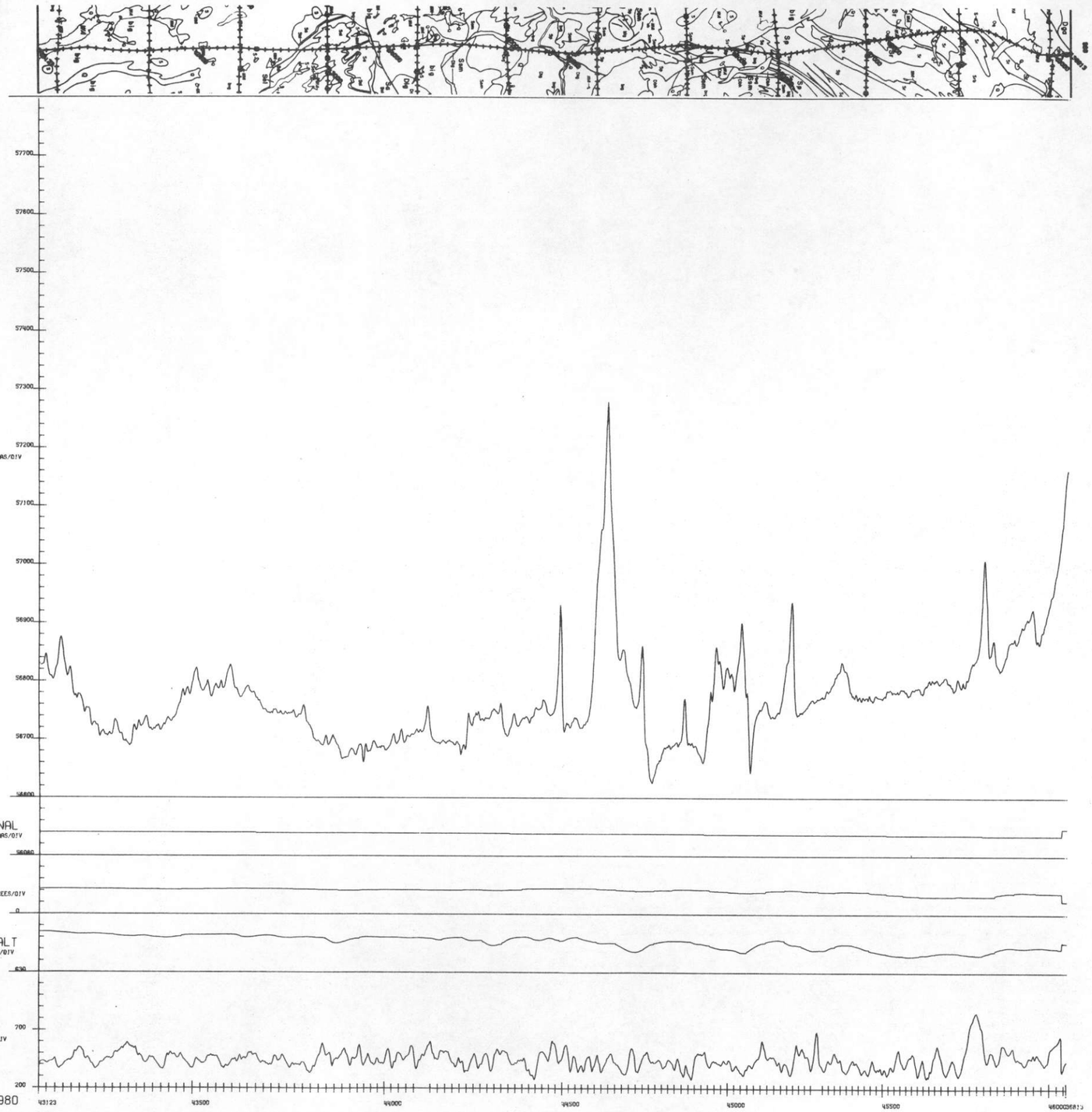

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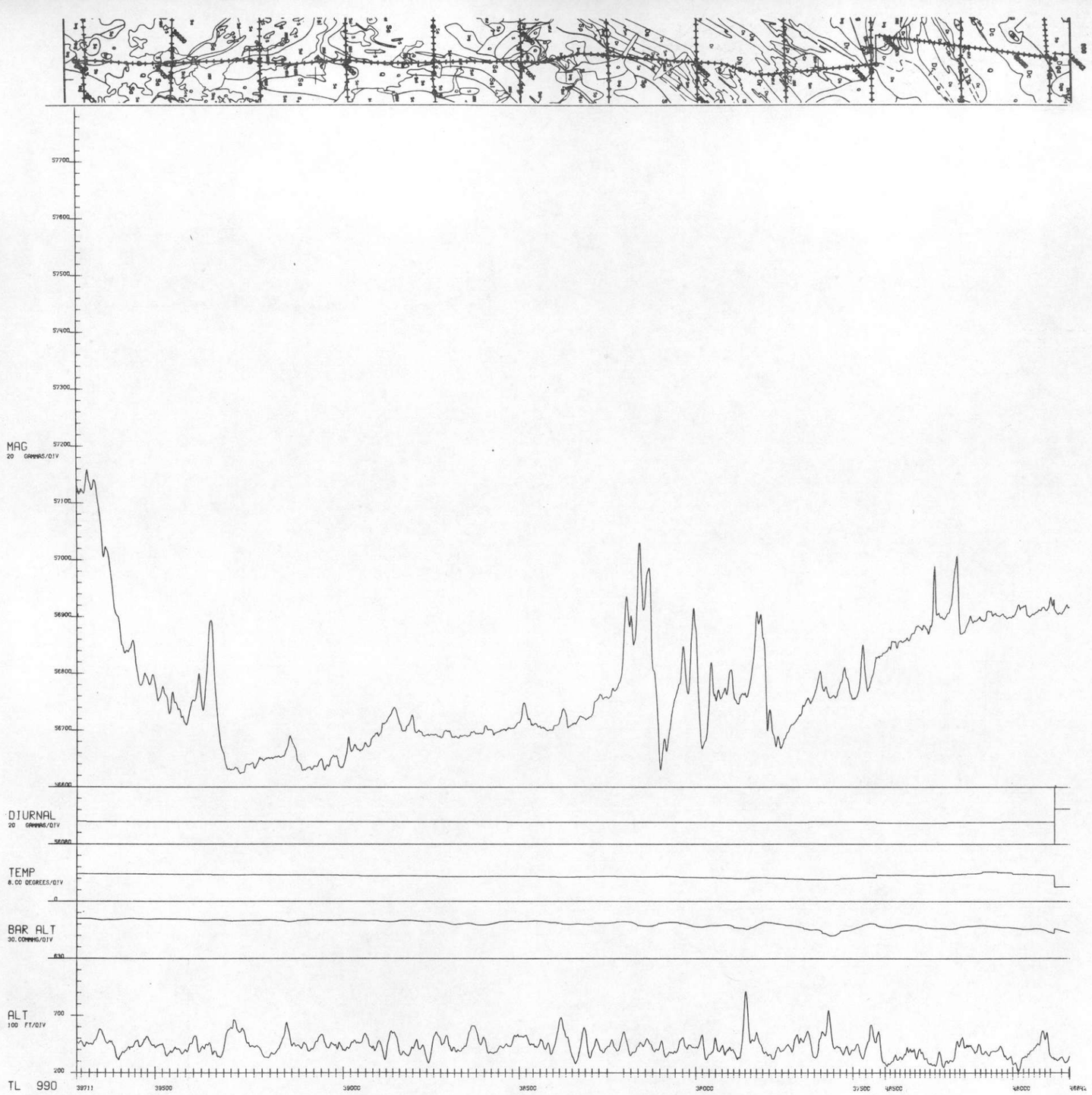

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MAGNETIC AND ANCILLARY STACKED PROFILE DATA

1980-1981

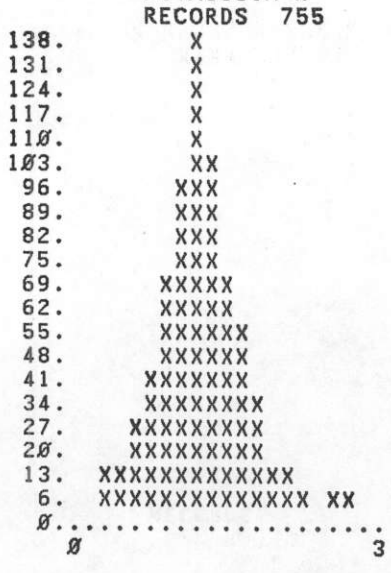
BY: CARSON HELICOPTERS, INC. 32-H BLOOMING GLEN ROAD PERKASIE, PENNA. 18944

PREPARED FOR

DEPARTMENT OF ENERGY

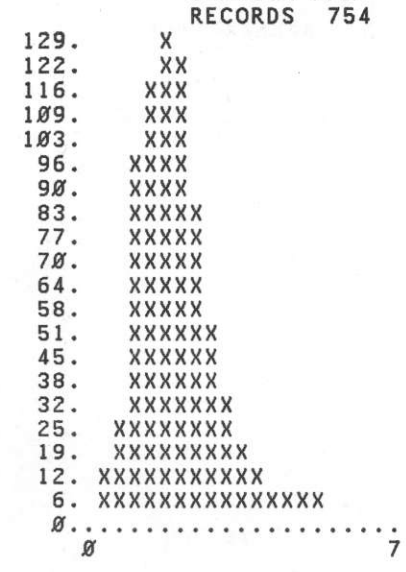
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Q

POTASSIUM %
RECORDS 755



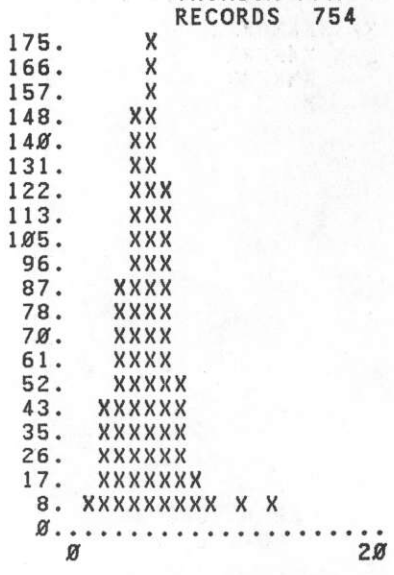
MEAN 1.1 SIGMA .4

URANIUM PPM
RECORDS 754



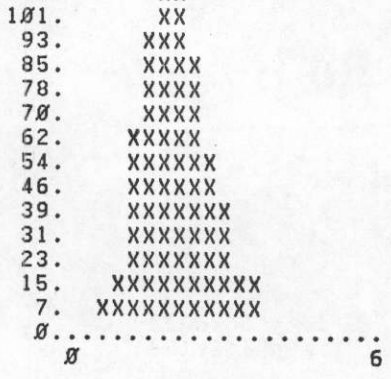
MEAN 2.2 SIGMA 1.0

THORIUM PPM
RECORDS 754



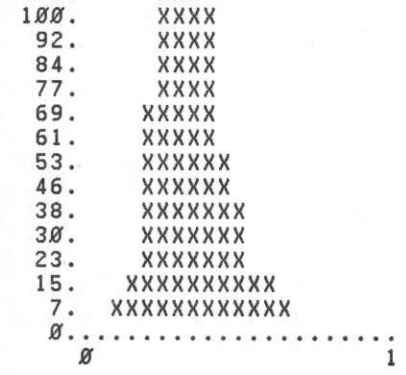
MEAN 5.6 SIGMA 2.7

U/K RATIO
RECORDS 751



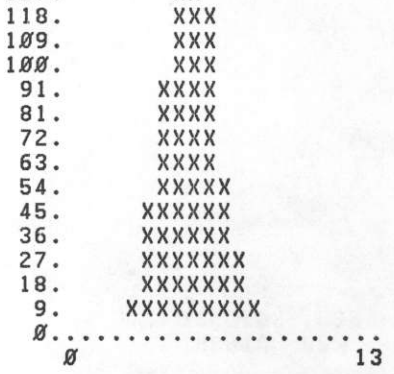
MEAN 2.0 SIGMA .7

U/T RATIO
RECORDS 751



MEAN .4 SIGMA .1

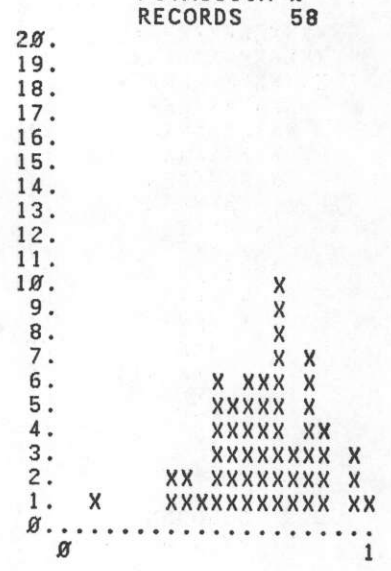
T/K RATIO
RECORDS 752



MEAN 5.1 SIGMA 1.2

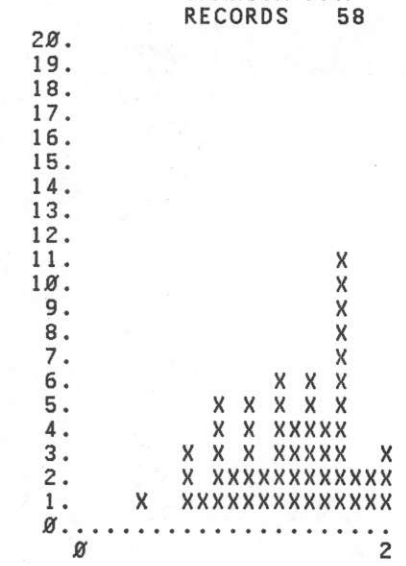
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dw

POTASSIUM %
RECORDS 58



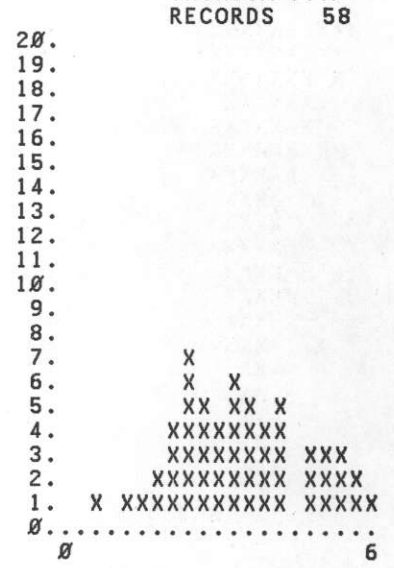
MEAN .8 SIGMA .2

URANIUM PPM
RECORDS 58



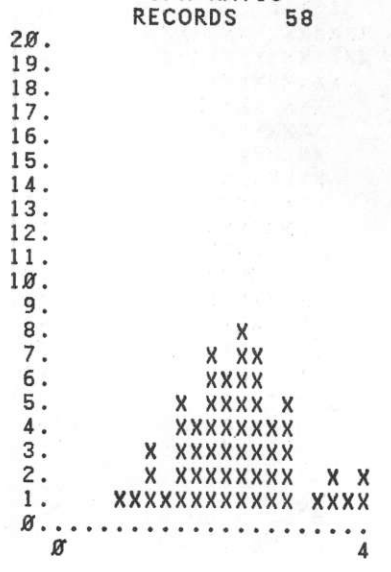
MEAN 1.6 SIGMA .4

THORIUM PPM
RECORDS 58



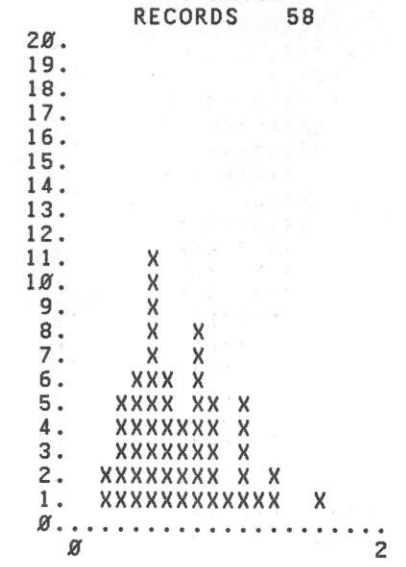
MEAN 3.3 SIGMA 1.2

U/K RATIO
RECORDS 58



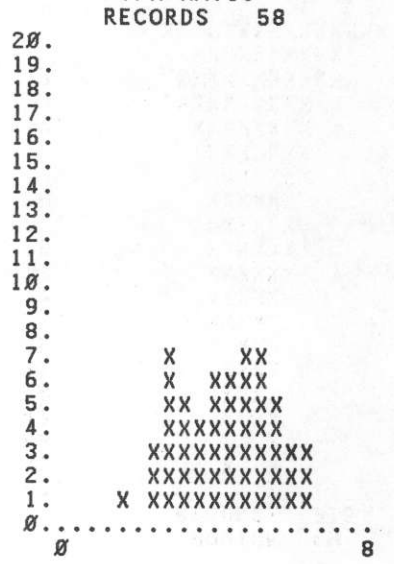
MEAN 2.2 SIGMA .7

U/T RATIO
RECORDS 58



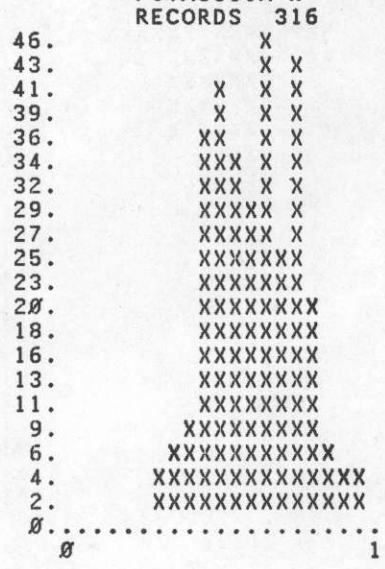
MEAN .6 SIGMA .3

T/K RATIO
RECORDS 58

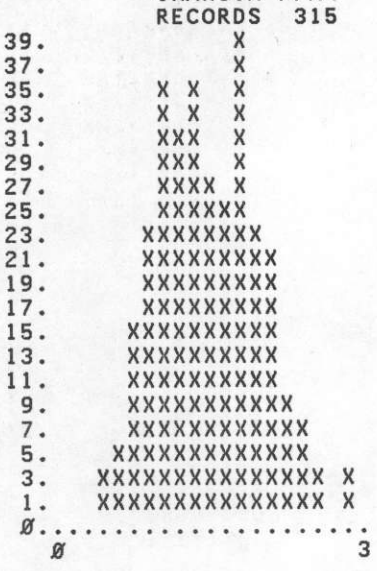


MEAN 4.3 SIGMA 1.2

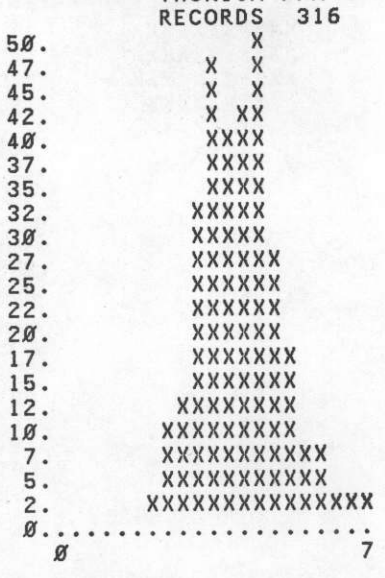
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dg



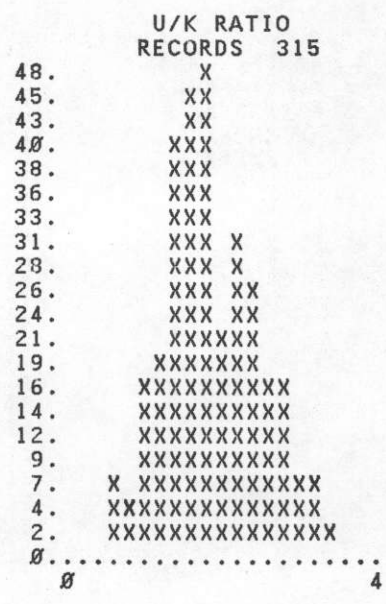
MEAN 0.8 SIGMA 0.2



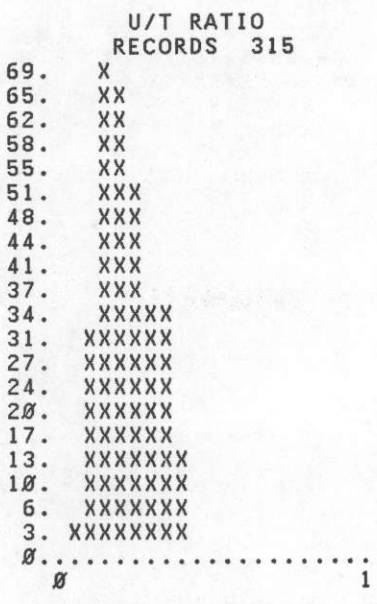
MEAN 1.4 SIGMA 0.4



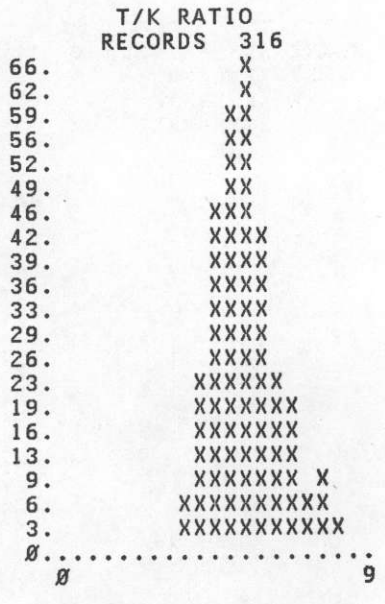
MEAN 4.0 SIGMA 0.9



MEAN 1.8 SIGMA 0.6

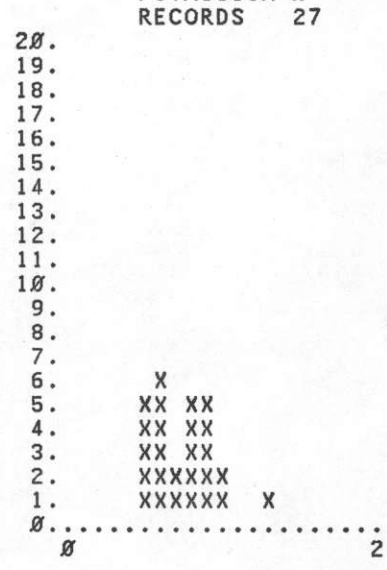


MEAN 0.4 SIGMA 0.1

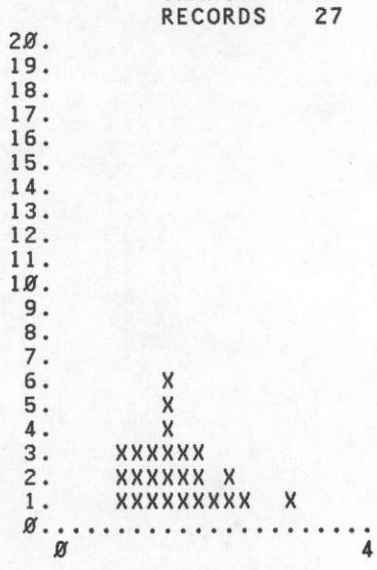


MEAN 5.0 SIGMA 0.9

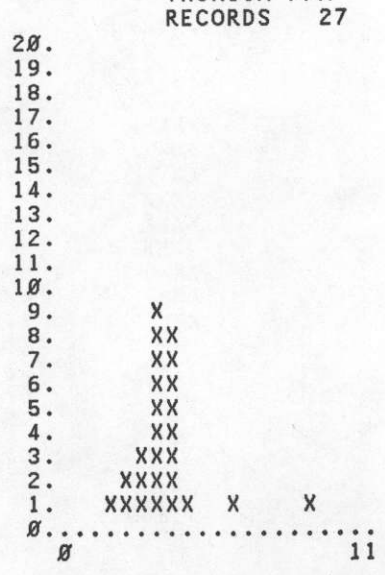
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dkm



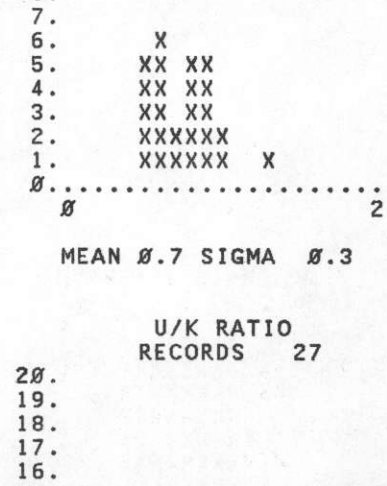
MEAN 0.7 SIGMA 0.3



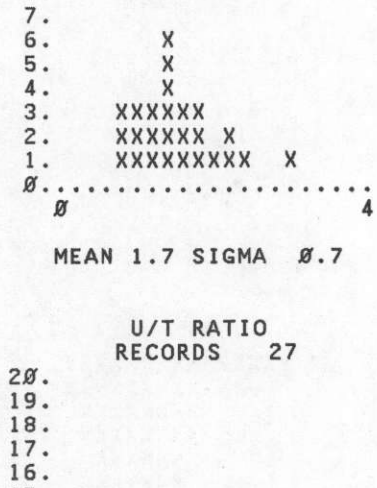
MEAN 1.7 SIGMA 0.7



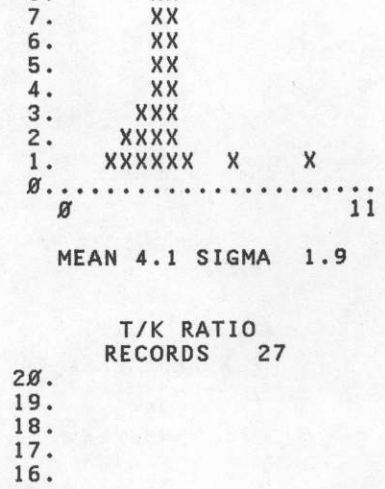
MEAN 4.1 SIGMA 1.9



MEAN 2.5 SIGMA 0.8



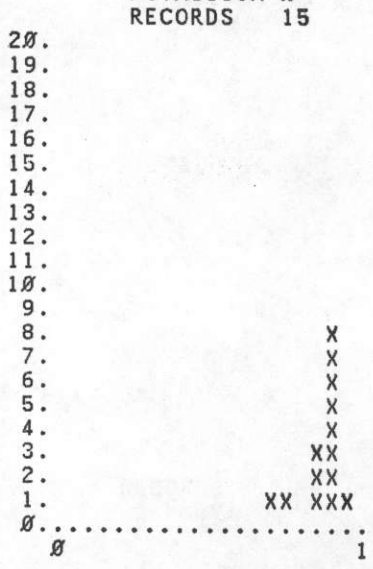
MEAN 0.4 SIGMA 0.2



MEAN 6.0 SIGMA 1.2

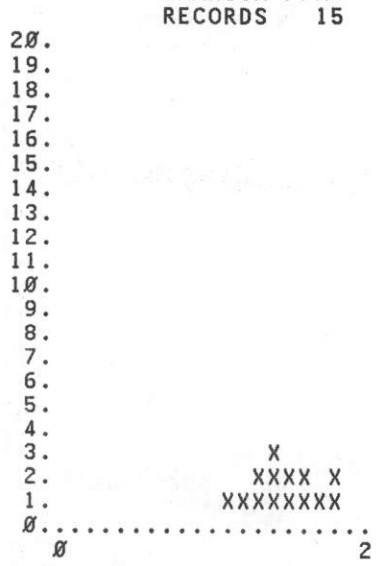
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dkf

POTASSIUM %
RECORDS 15



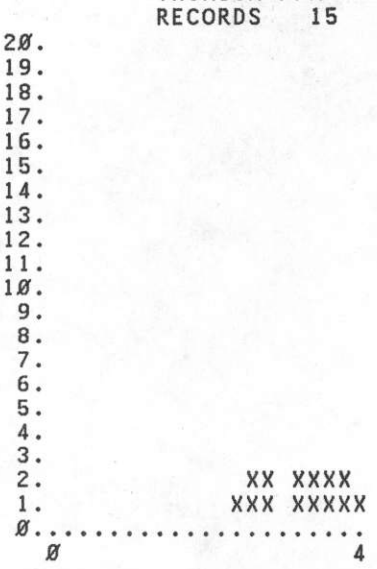
MEAN 0.6 SIGMA 0.1

URANIUM PPM
RECORDS 15



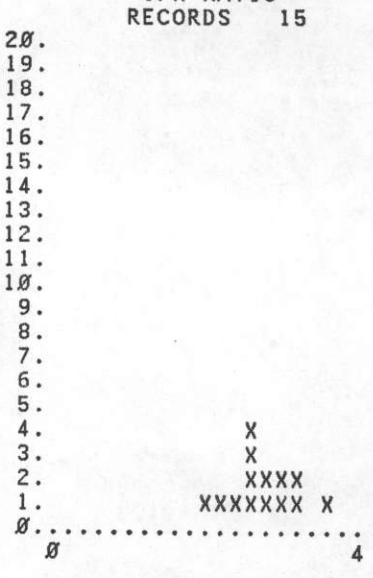
MEAN 1.5 SIGMA 0.2

THORIUM PPM
RECORDS 15



MEAN 3.2 SIGMA 0.5

U/K RATIO
RECORDS 15

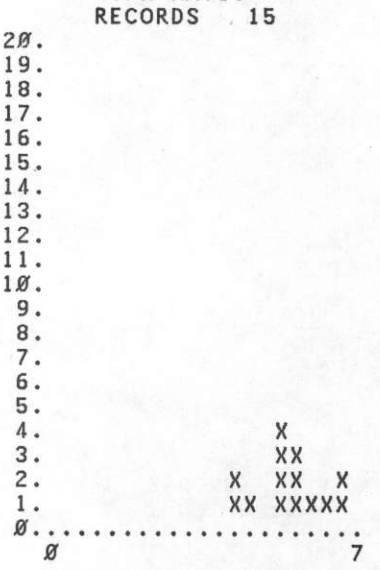


MEAN 2.5 SIGMA 0.5

U/T RATIO
RECORDS 15

MEAN 0.5 SIGMA 0.1

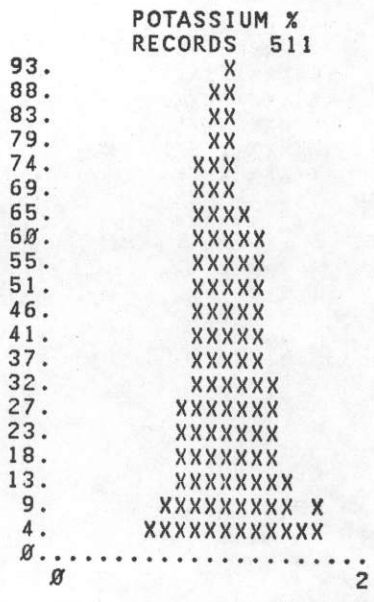
T/K RATIO
RECORDS 15



MEAN 5.2 SIGMA 0.8

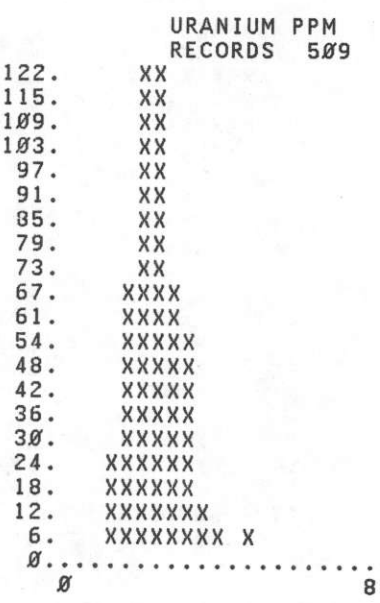
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dlg

POTASSIUM %
RECORDS 511



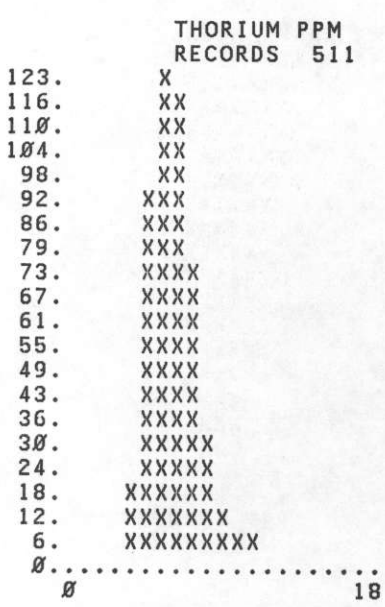
MEAN 1.3 SIGMA 0.3

URANIUM PPM
RECORDS 509



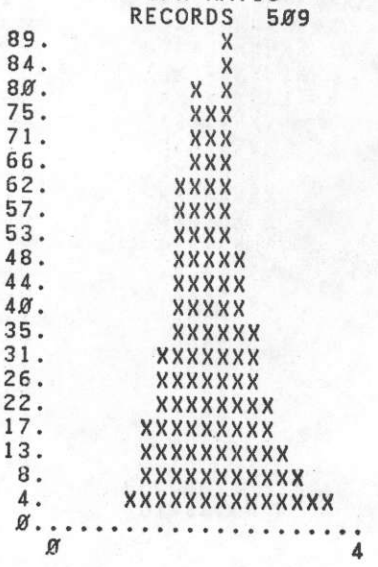
MEAN 2.6 SIGMA 0.8

THORIUM PPM
RECORDS 511



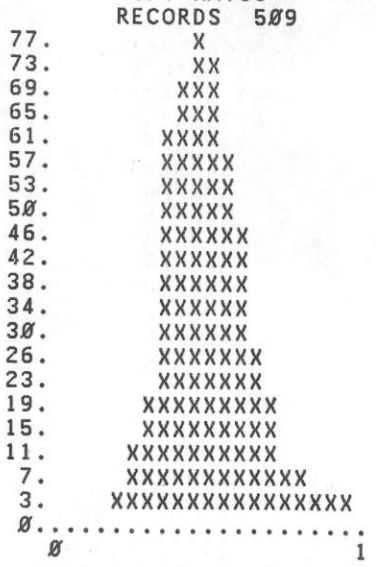
MEAN 6.3 SIGMA 1.9

U/K RATIO
RECORDS 509



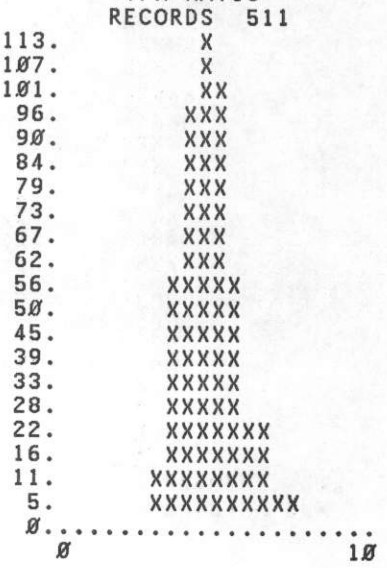
MEAN 2.0 SIGMA 0.5

U/T RATIO
RECORDS 509



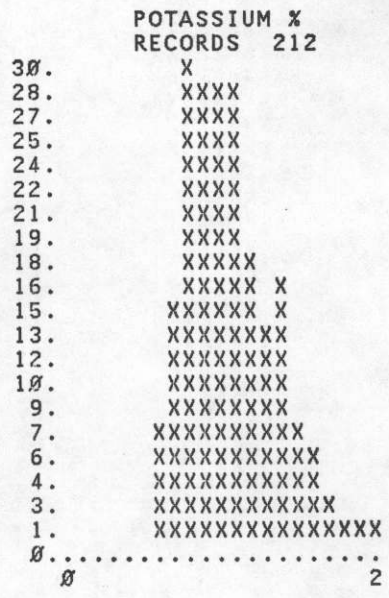
MEAN 0.4 SIGMA 0.1

T/K RATIO
RECORDS 511

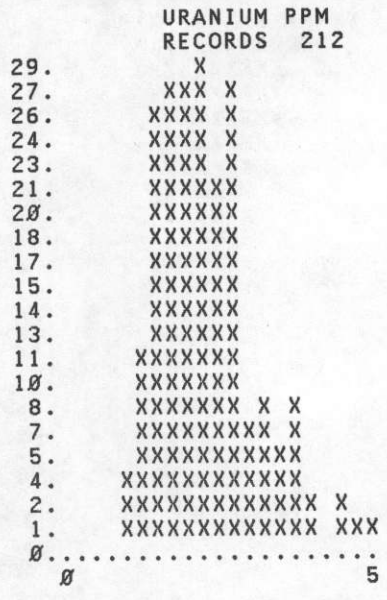


MEAN 4.9 SIGMA 1.0

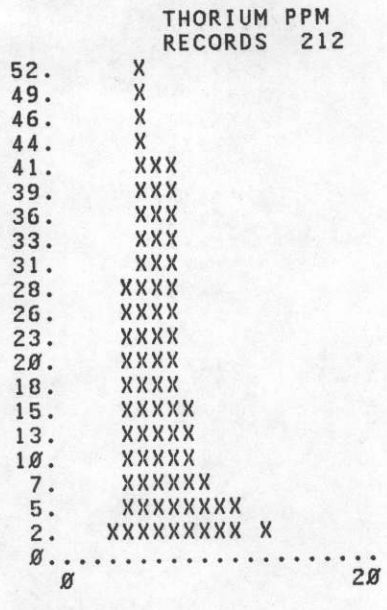
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT D1



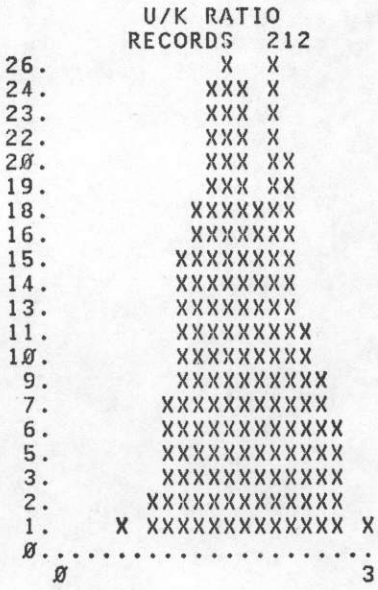
MEAN 1.3 SIGMA .4



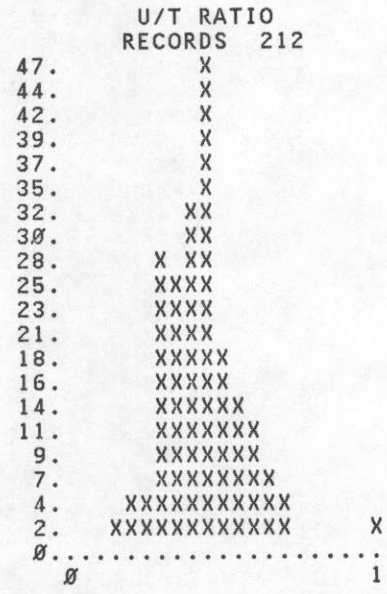
MEAN 2.3 SIGMA .7



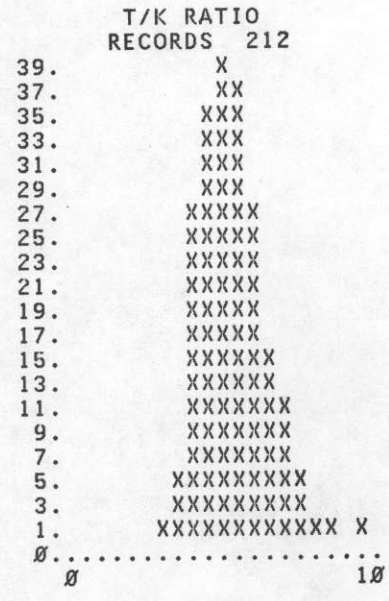
MEAN 6.7 SIGMA 2.4



MEAN 1.8 SIGMA .4

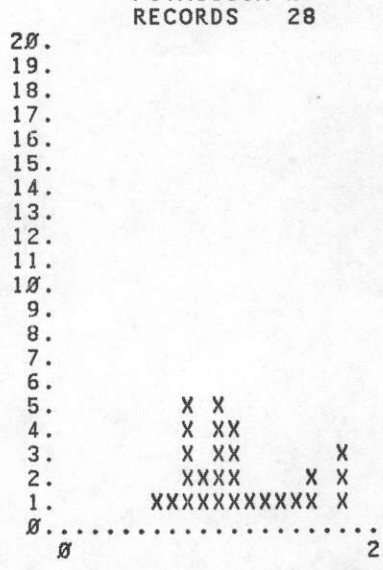


MEAN .4 SIGMA .1

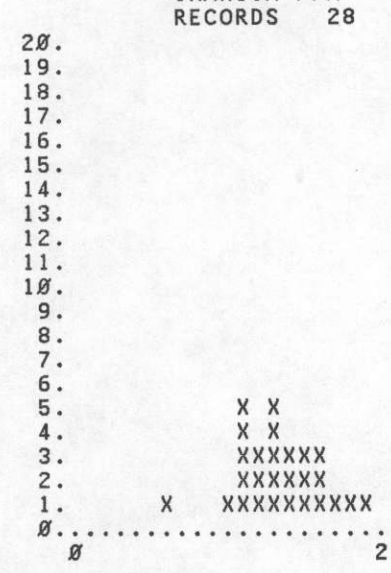


MEAN 5.1 SIGMA 1.0

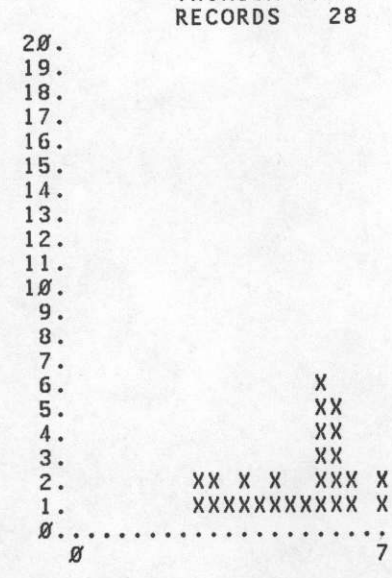
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT D1v



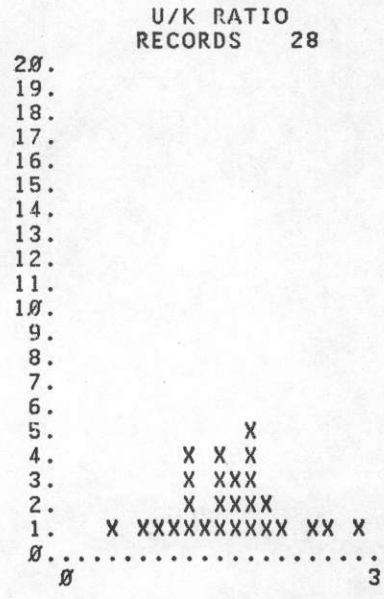
MEAN 1.0 SIGMA .3



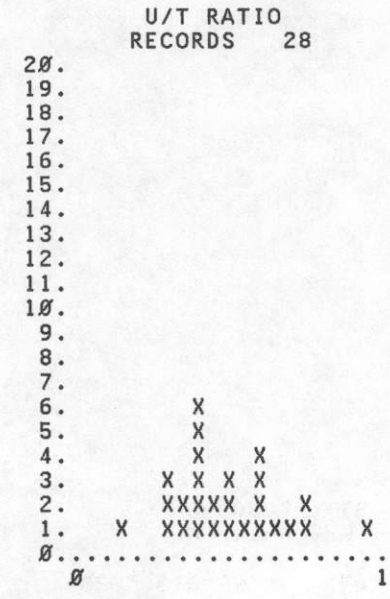
MEAN 1.6 SIGMA .3



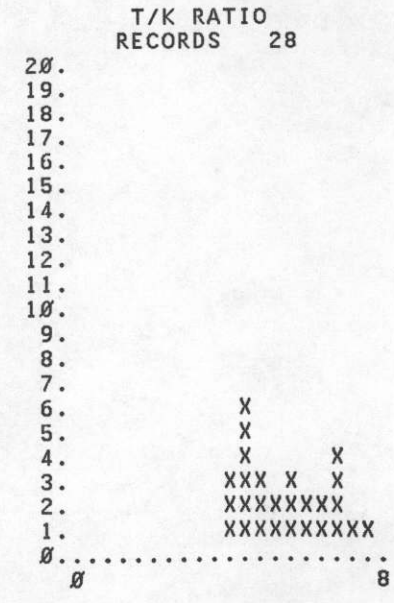
MEAN 5.3 SIGMA 1.3



MEAN 1.7 SIGMA .6



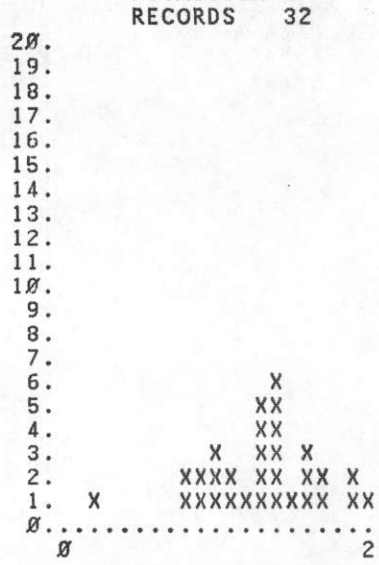
MEAN .3 SIGMA .1



MEAN 5.5 SIGMA 1.2

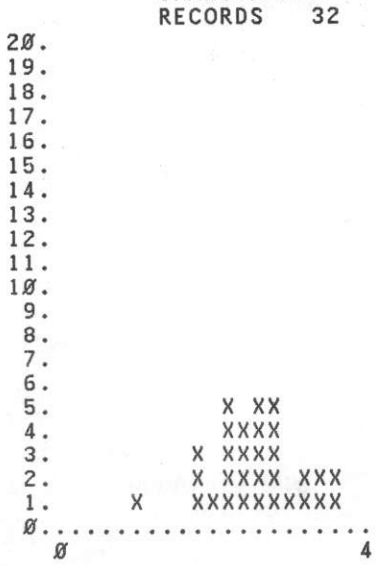
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dsg

POTASSIUM %
RECORDS 32



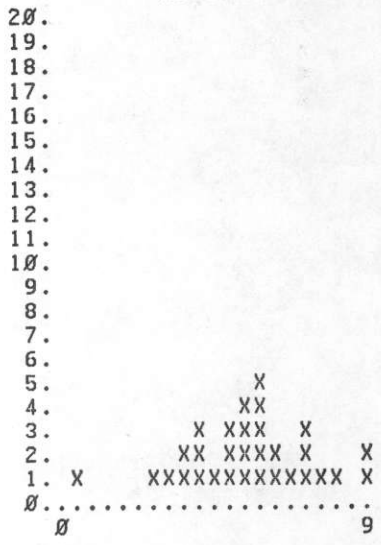
MEAN 1.1 SIGMA .3

URANIUM PPM
RECORDS 32



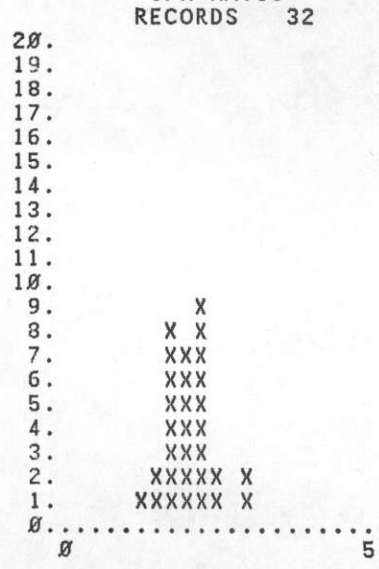
MEAN 2.4 SIGMA .5

THORIUM PPM
RECORDS 32



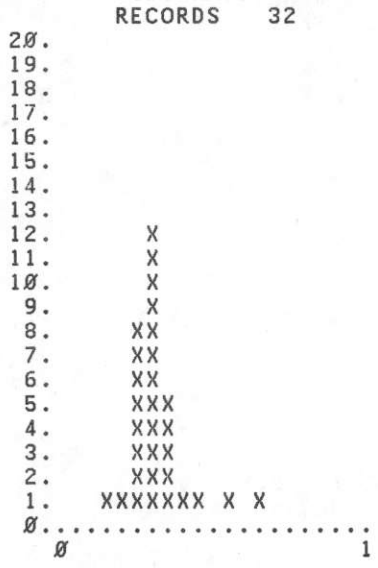
MEAN 5.6 SIGMA 1.9

U/K RATIO
RECORDS 32



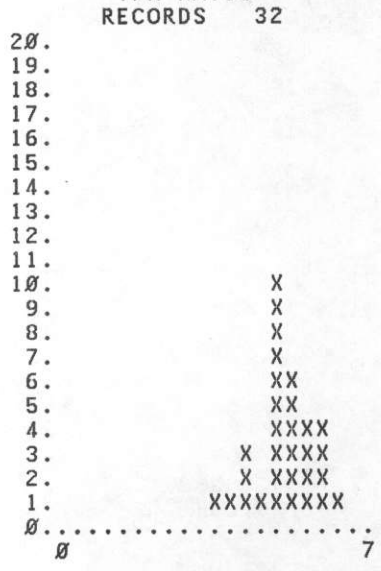
MEAN 2.3 SIGMA .7

U/T RATIO
RECORDS 32



MEAN .5 SIGMA .2

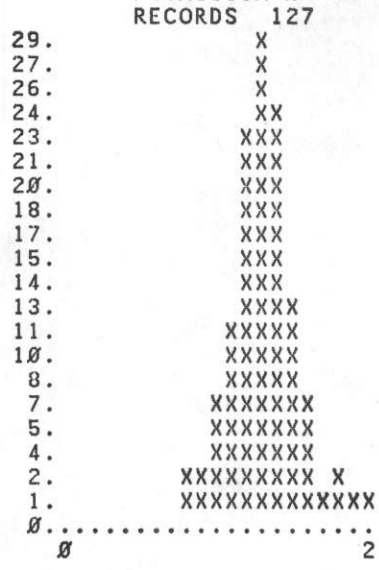
T/K RATIO
RECORDS 32



MEAN 5.1 SIGMA .7

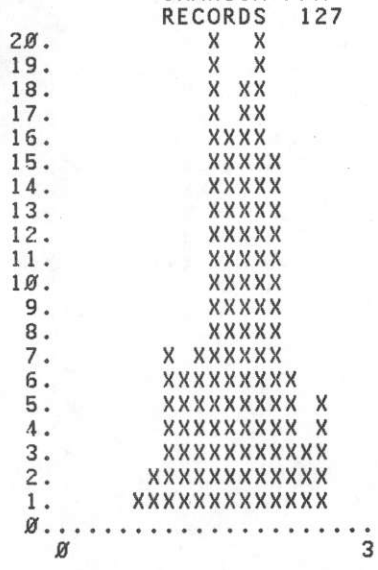
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dr

POTASSIUM %
RECORDS 127



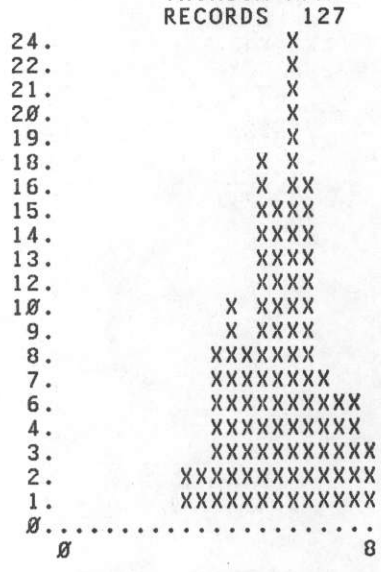
MEAN 1.1 SIGMA .2

URANIUM PPM
RECORDS 127



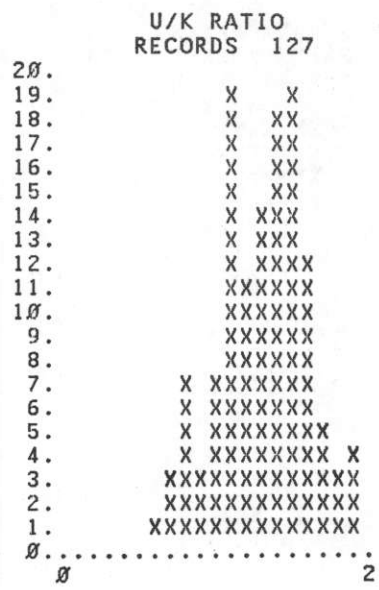
MEAN 1.9 SIGMA .4

THORIUM PPM
RECORDS 127



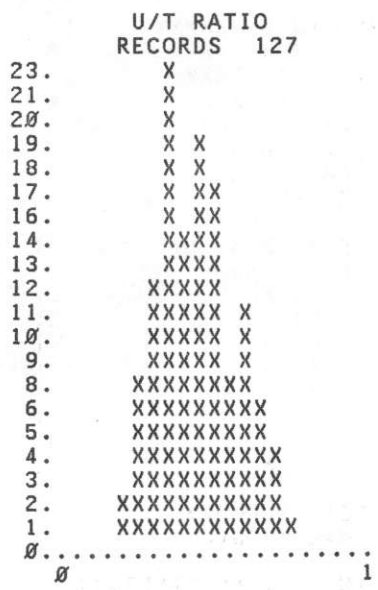
MEAN 5.5 SIGMA 1.0

U/K RATIO
RECORDS 127



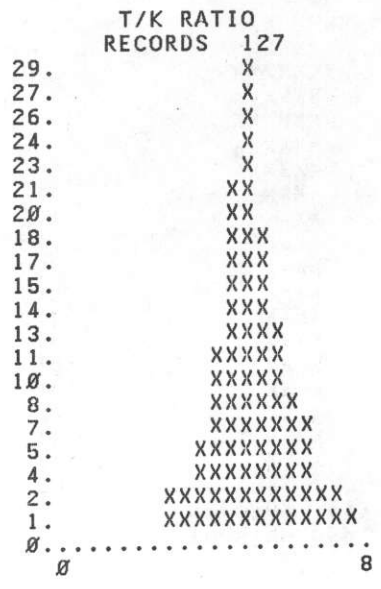
MEAN 1.6 SIGMA .3

U/T RATIO
RECORDS 127



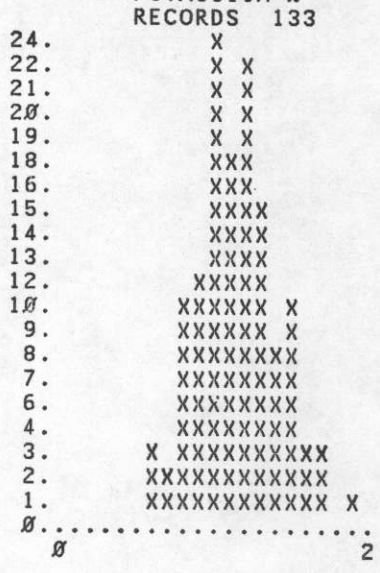
MEAN .3 SIGMA .1

T/K RATIO
RECORDS 127

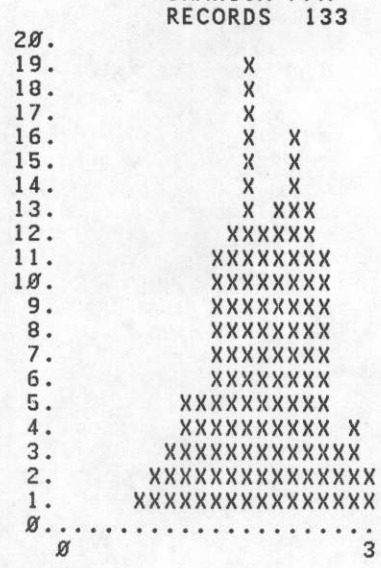


MEAN 4.8 SIGMA .9

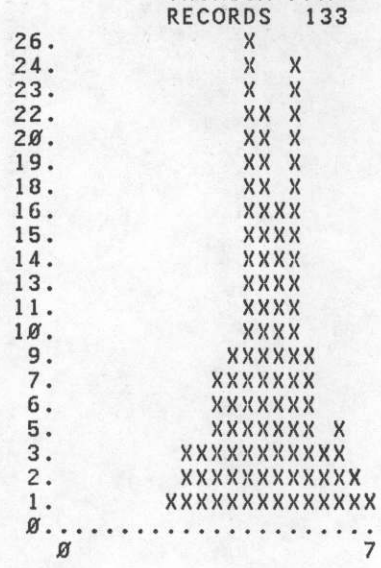
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Ds



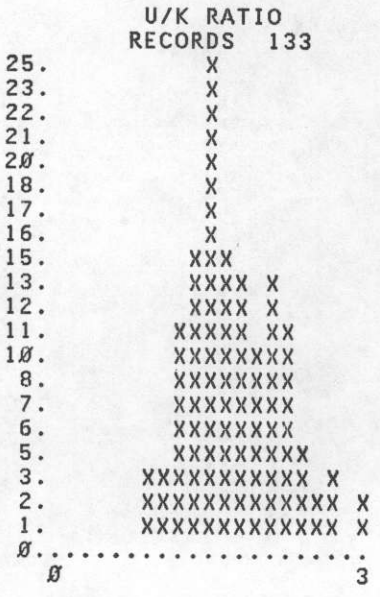
MEAN 1.1 SIGMA .2



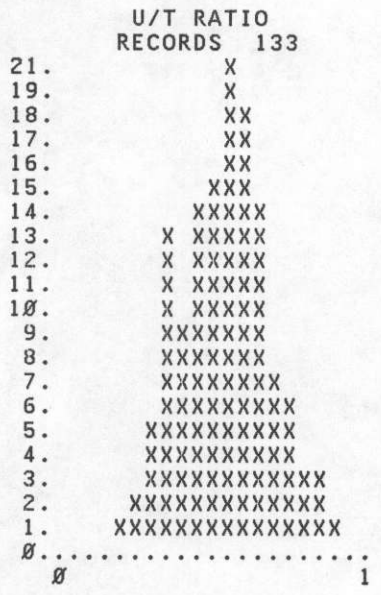
MEAN 1.9 SIGMA .4



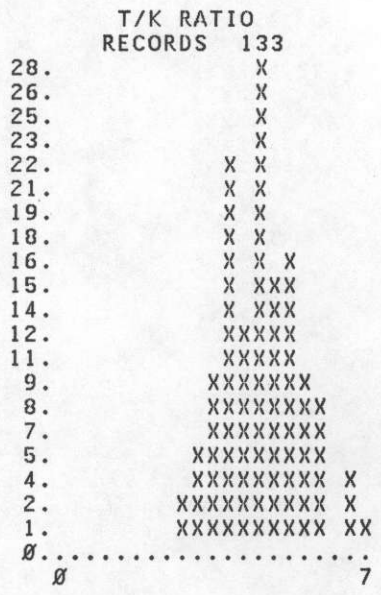
MEAN 5.0 SIGMA .9



MEAN 1.8 SIGMA .4

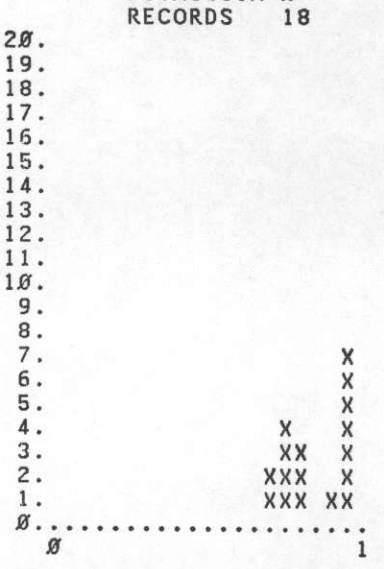


MEAN .4 SIGMA .1

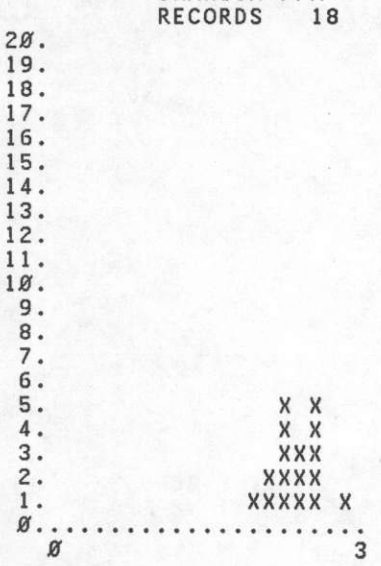


MEAN 4.7 SIGMA .8

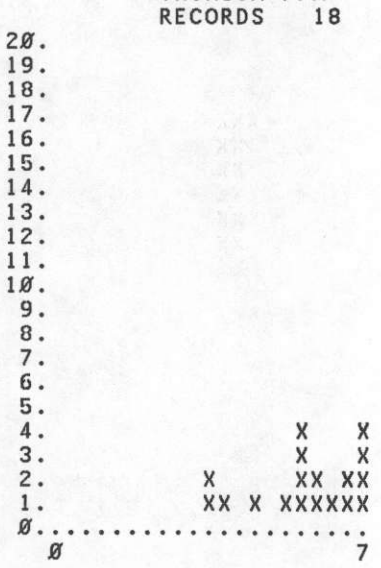
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dh



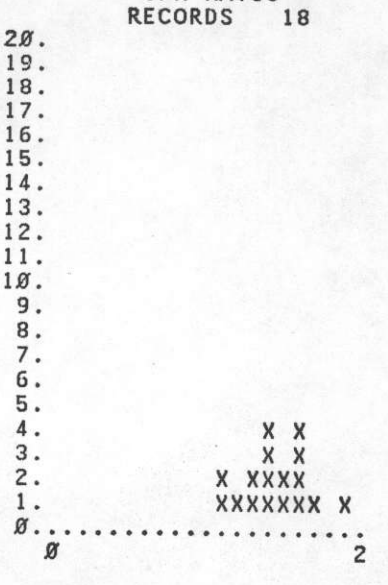
MEAN 1.1 SIGMA .1



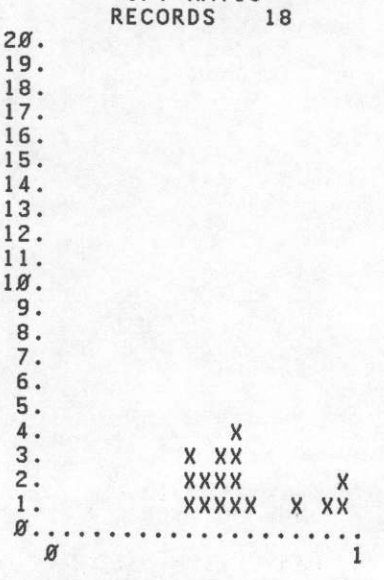
MEAN 2.1 SIGMA .2



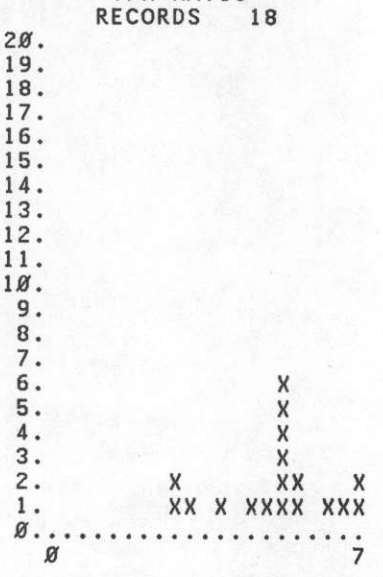
MEAN 5.5 SIGMA 1.1



MEAN 1.8 SIGMA .3



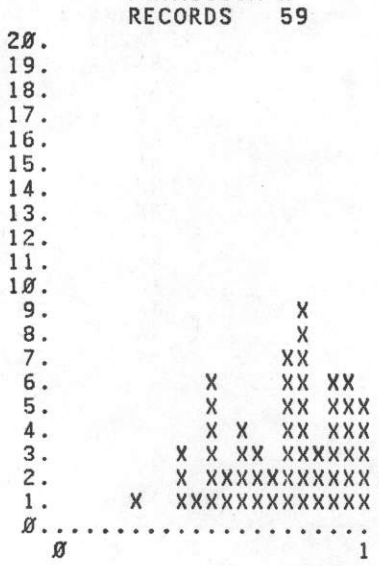
MEAN .4 SIGMA .1



MEAN 4.9 SIGMA 1.2

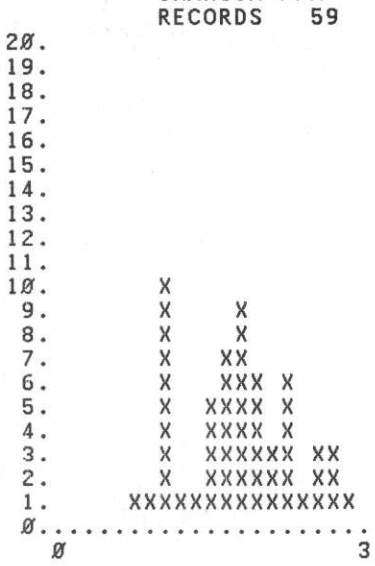
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dc

POTASSIUM %
RECORDS 59



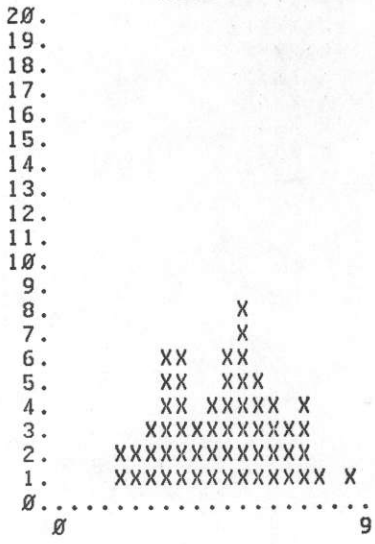
MEAN Ø.9 SIGMA Ø.2

URANIUM PPM
RECORDS 59



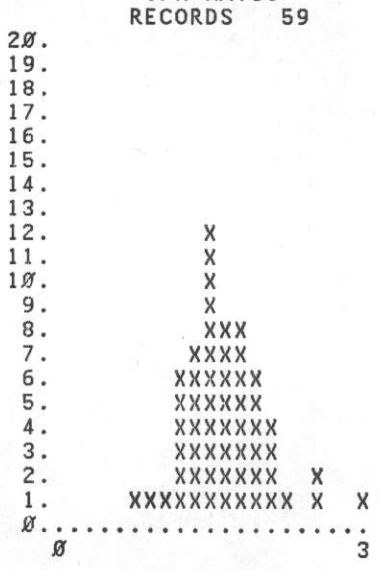
MEAN 1.5 SIGMA Ø.4

THORIUM PPM
RECORDS 59



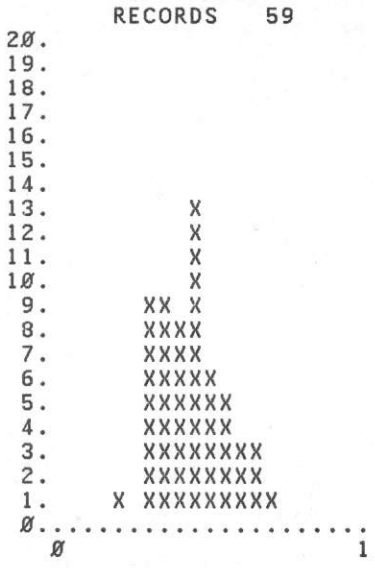
MEAN 5.Ø SIGMA 1.6

U/K RATIO
RECORDS 59



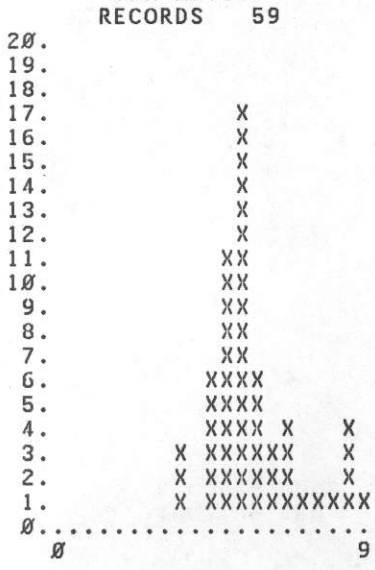
MEAN 1.7 SIGMA Ø.4

U/T RATIO
RECORDS 59



MEAN Ø.3 SIGMA Ø.1

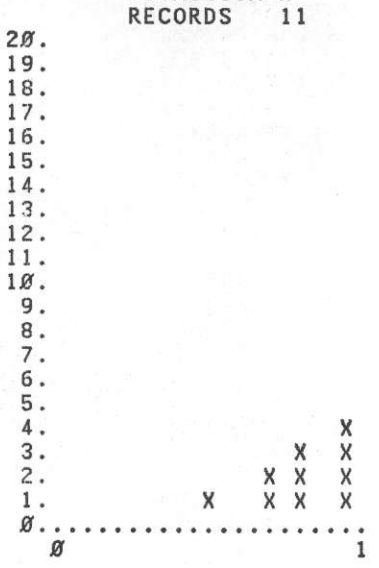
T/K RATIO
RECORDS 59



MEAN 5.5 SIGMA 1.2

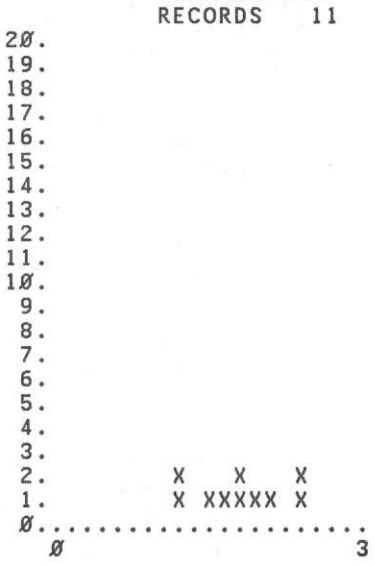
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT DSc

POTASSIUM %
RECORDS 11



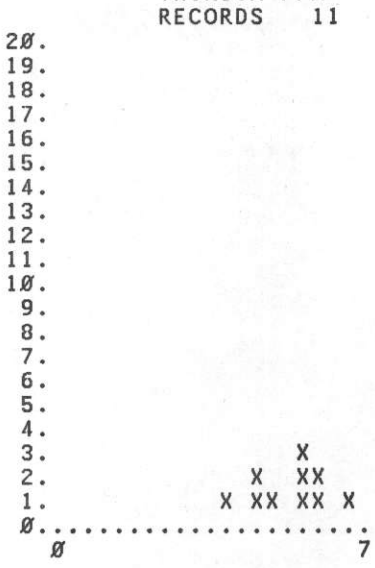
MEAN 1.1 SIGMA Ø.2

URANIUM PPM
RECORDS 11



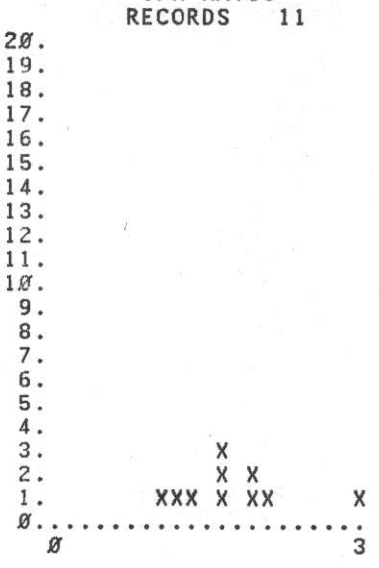
MEAN 2.1 SIGMA Ø.6

THORIUM PPM
RECORDS 11



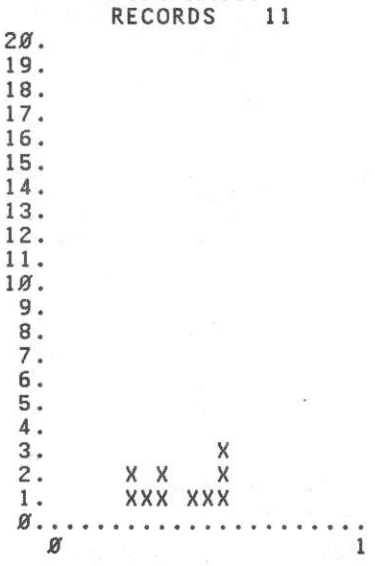
MEAN 5.7 SIGMA 1.Ø

U/K RATIO
RECORDS 11



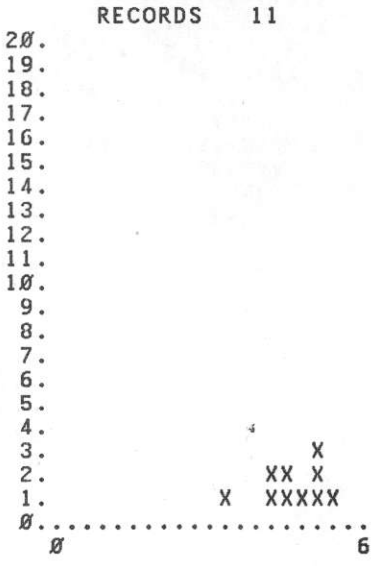
MEAN 1.9 SIGMA Ø.6

U/T RATIO
RECORDS 11



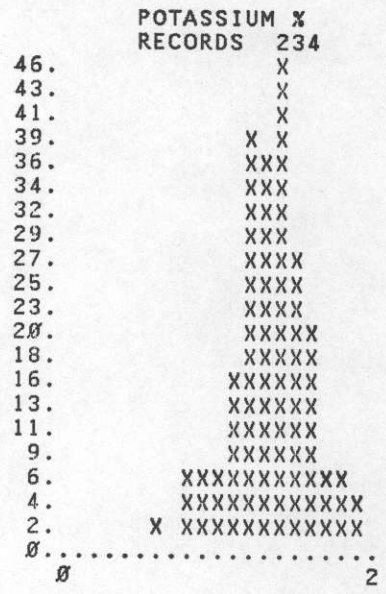
MEAN Ø.4 SIGMA Ø.2

T/K RATIO
RECORDS 11

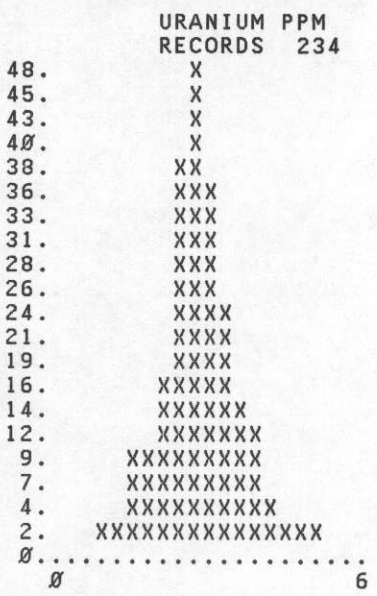


MEAN 5.Ø SIGMA Ø.7

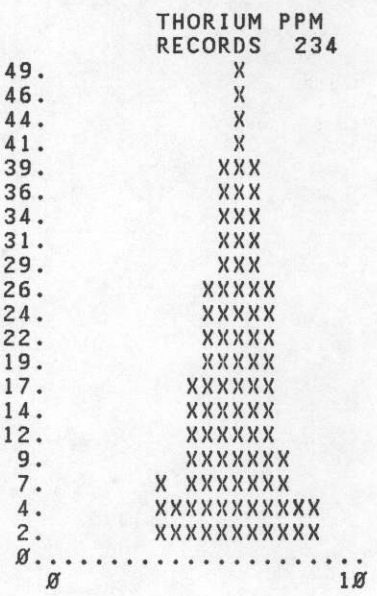
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Sa



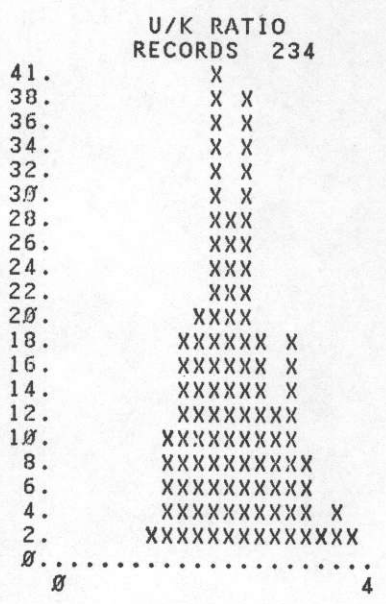
MEAN 1.2 SIGMA 0.2



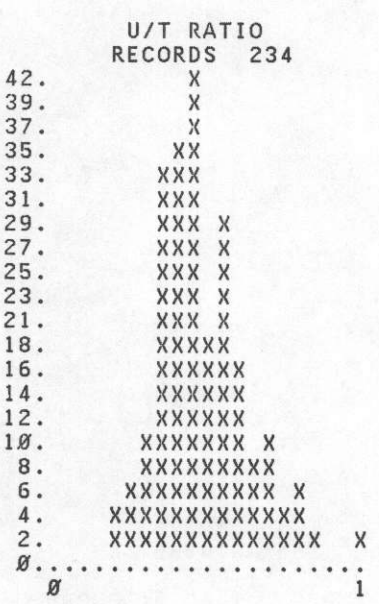
MEAN 2.6 SIGMA 0.7



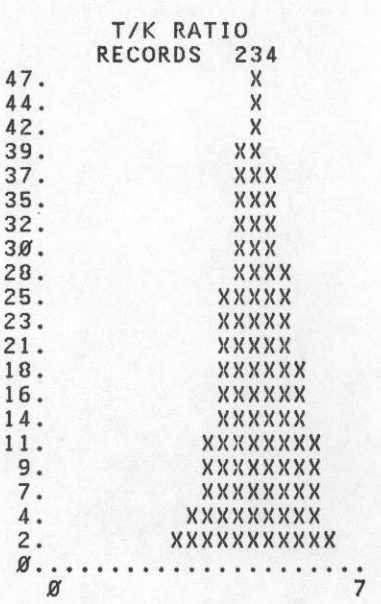
MEAN 5.8 SIGMA 1.1



MEAN 2.1 SIGMA 0.5

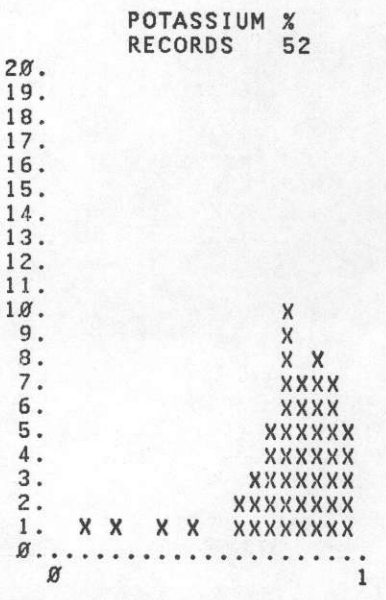


MEAN 0.5 SIGMA 0.1

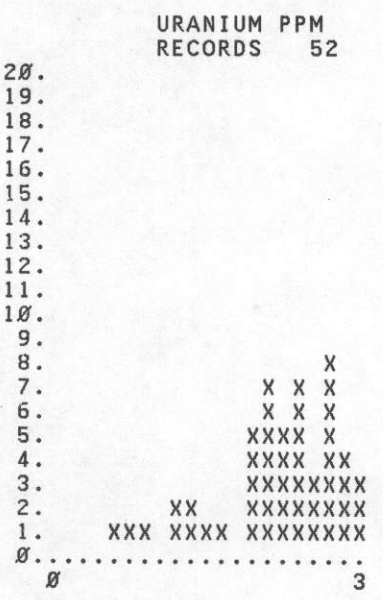


MEAN 4.7 SIGMA 0.7

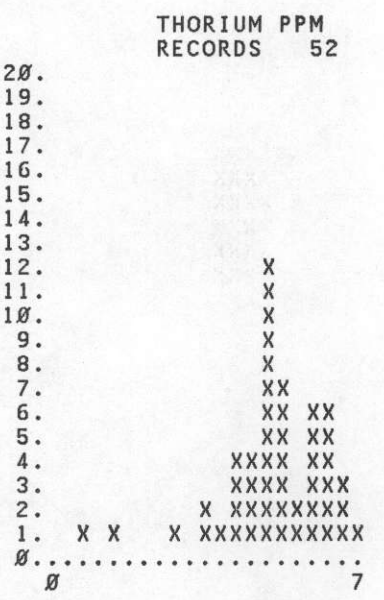
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Scq



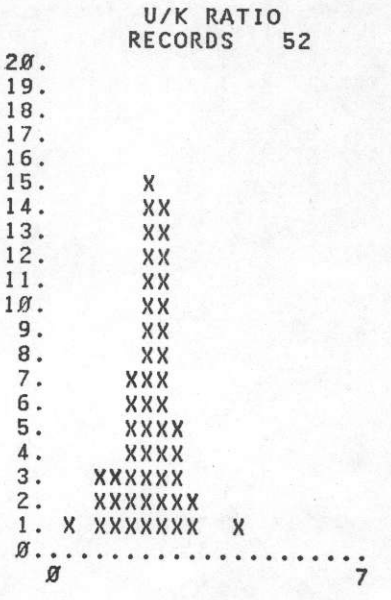
MEAN 1.0 SIGMA 0.2



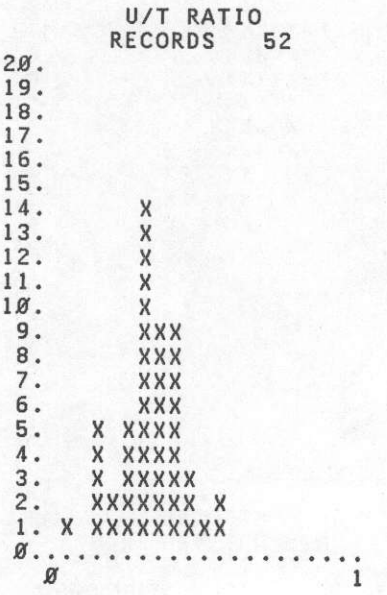
MEAN 2.2 SIGMA 0.6



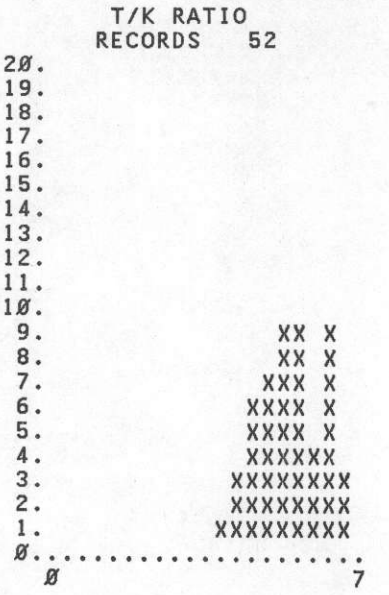
MEAN 5.3 SIGMA 1.3



MEAN 2.2 SIGMA 0.8



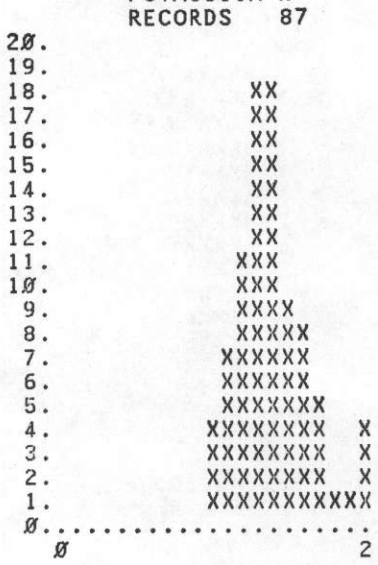
MEAN 0.4 SIGMA 0.2



MEAN 5.2 SIGMA 0.7

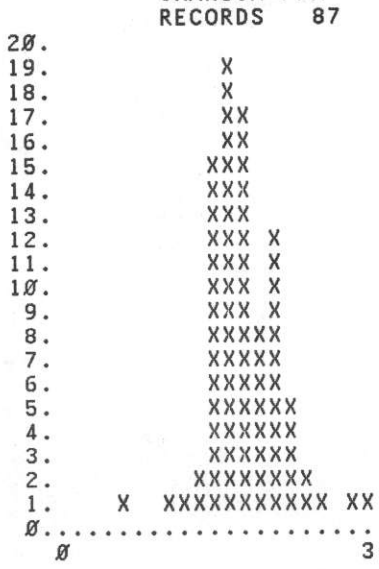
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Ssm

POTASSIUM %
RECORDS 87



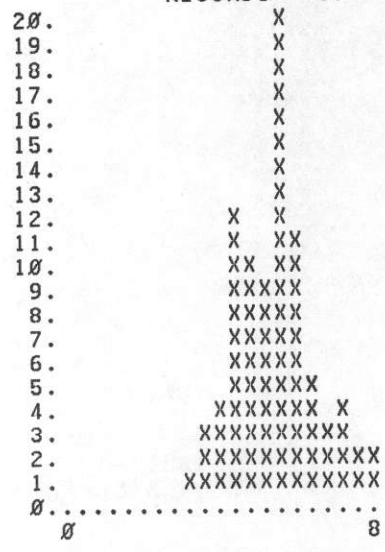
MEAN 1.2 SIGMA .2

URANIUM PPM
RECORDS 87



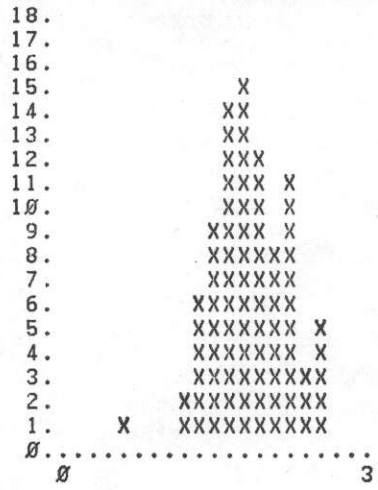
MEAN 2.1 SIGMA .4

THORIUM PPM
RECORDS 87



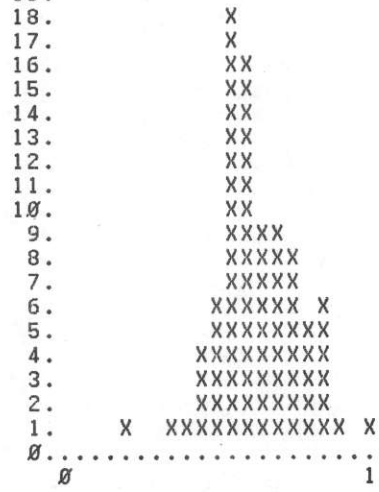
MEAN 5.3 SIGMA 1.0

U/K RATIO
RECORDS 87



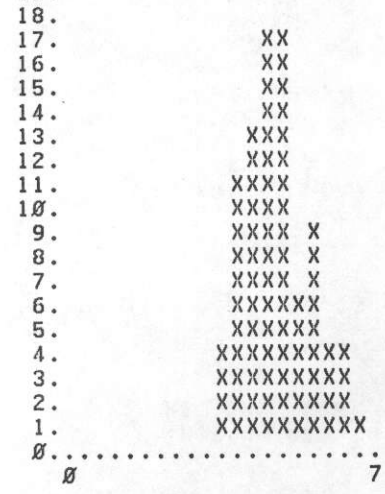
MEAN 1.7 SIGMA .3

U/T RATIO
RECORDS 87



MEAN .4 SIGMA .1

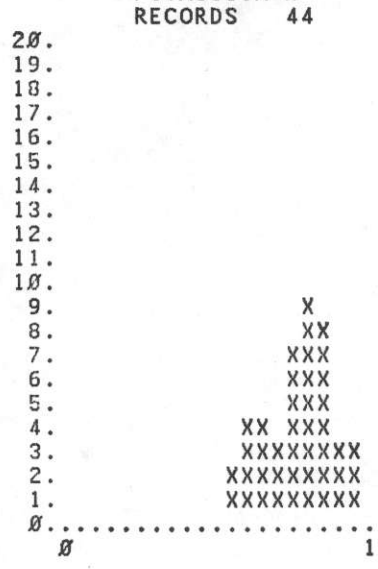
T/K RATIO
RECORDS 87



MEAN 4.4 SIGMA .7

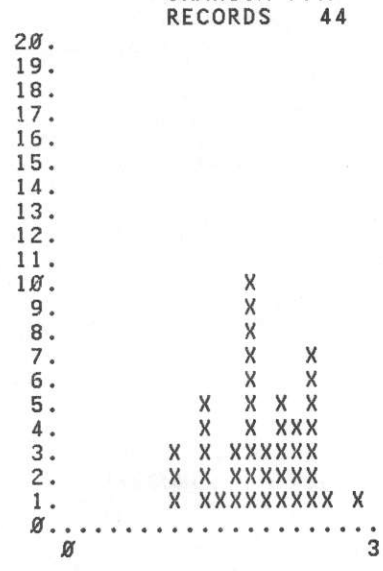
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Sm

POTASSIUM %
RECORDS 44



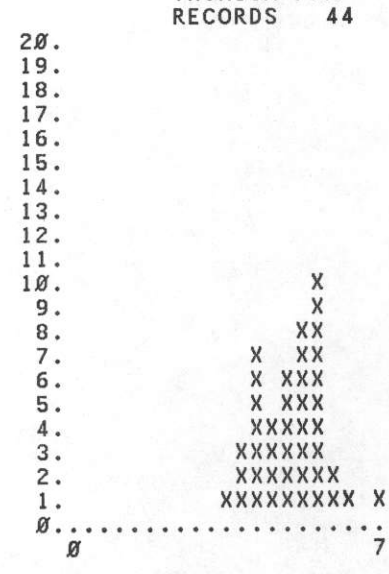
MEAN 1.0 SIGMA .1

URANIUM PPM
RECORDS 44



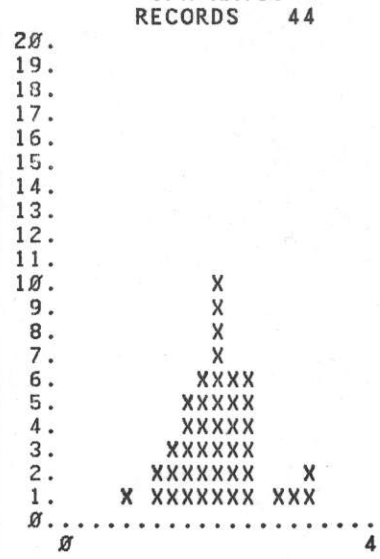
MEAN 1.9 SIGMA .4

THORIUM PPM
RECORDS 44



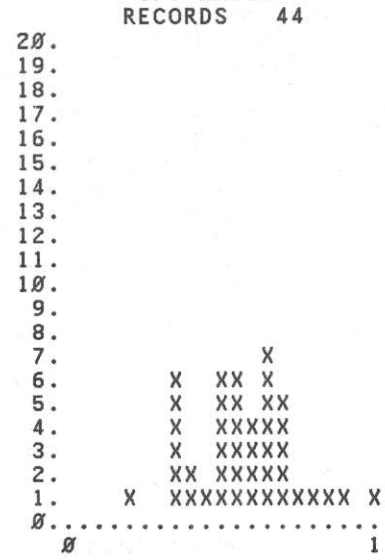
MEAN 5.0 SIGMA .7

U/K RATIO
RECORDS 44



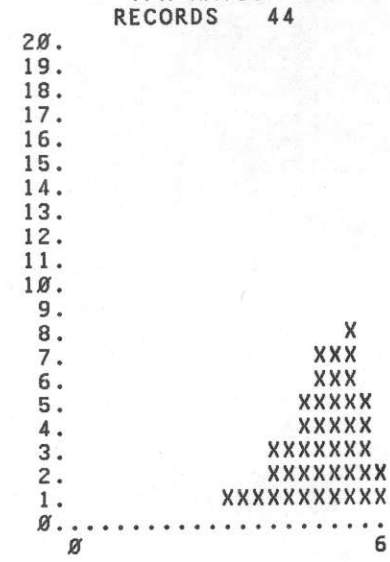
MEAN 2.0 SIGMA .5

U/T RATIO
RECORDS 44



MEAN .4 SIGMA .1

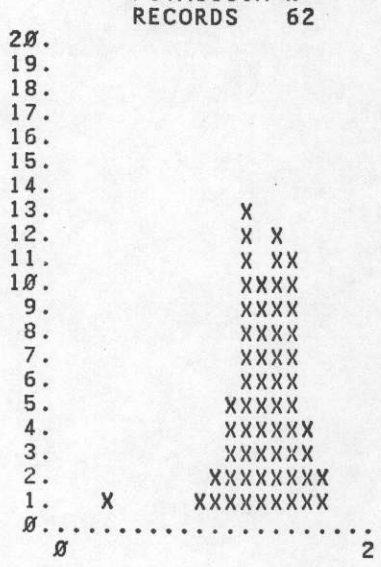
T/K RATIO
RECORDS 44



MEAN 5.0 SIGMA .7

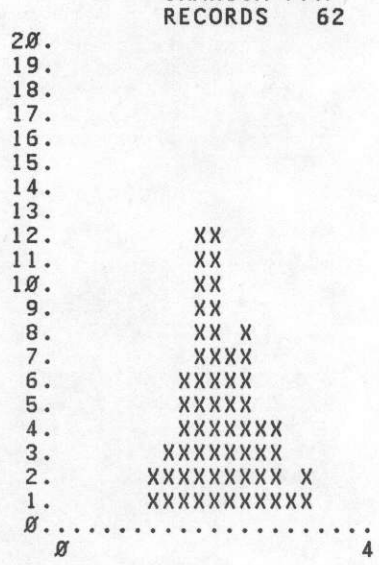
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Ss

POTASSIUM %
RECORDS 62



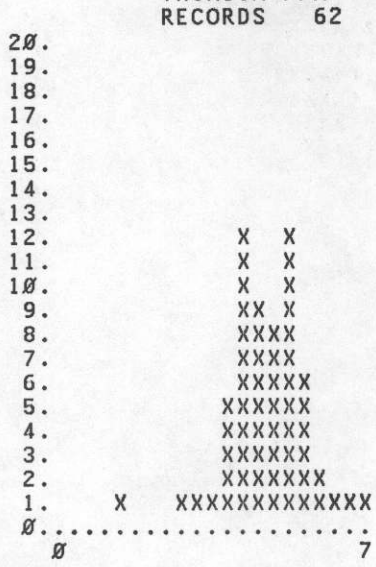
MEAN 1.1 SIGMA .2

URANIUM PPM
RECORDS 62



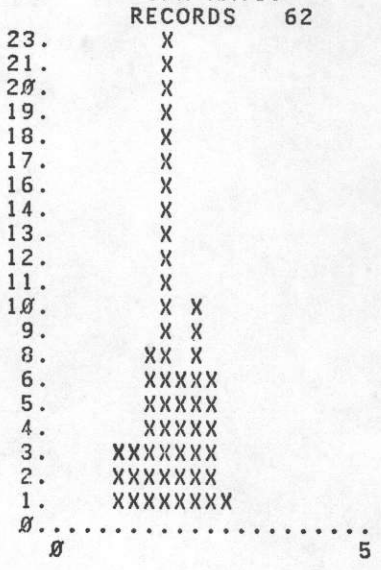
MEAN 2.1 SIGMA .5

THORIUM PPM
RECORDS 62



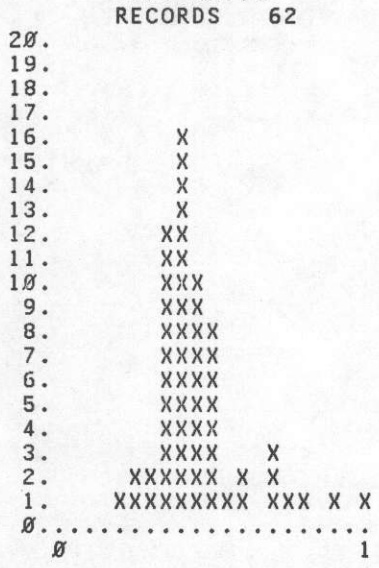
MEAN 4.6 SIGMA .9

U/K RATIO
RECORDS 62



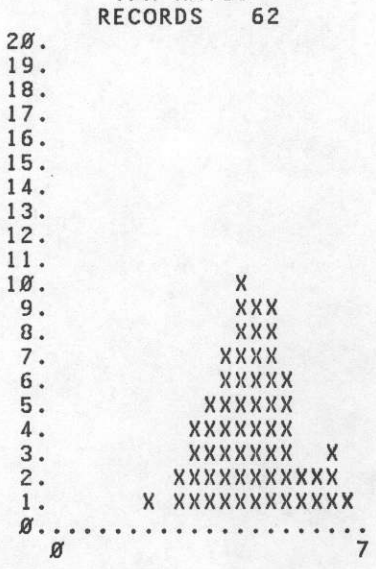
MEAN 2.0 SIGMA .5

U/T RATIO
RECORDS 62



MEAN .5 SIGMA .2

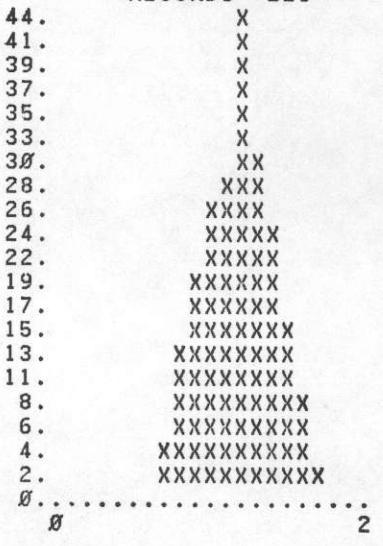
T/K RATIO
RECORDS 62



MEAN 4.2 SIGMA .9

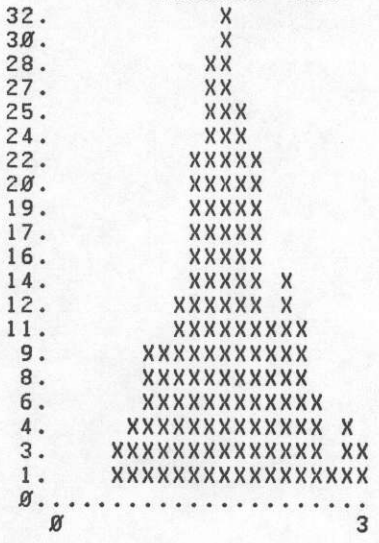
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Sp

POTASSIUM %
RECORDS 225



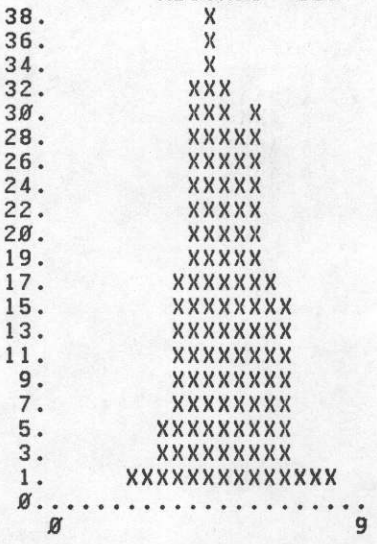
MEAN 1.1 SIGMA .2

URANIUM PPM
RECORDS 225



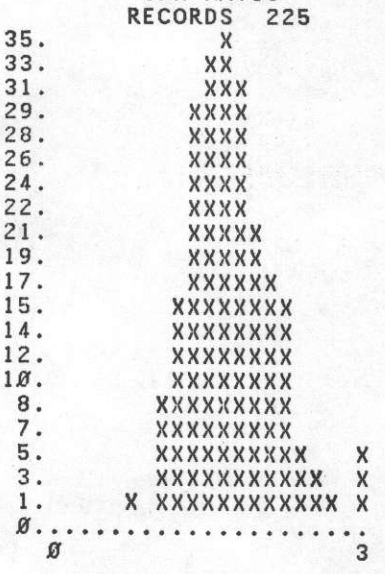
MEAN 2.0 SIGMA .6

THORIUM PPM
RECORDS 225



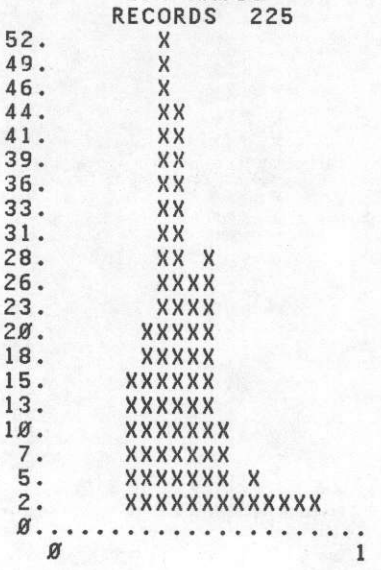
MEAN 5.1 SIGMA 1.0

U/K RATIO
RECORDS 225



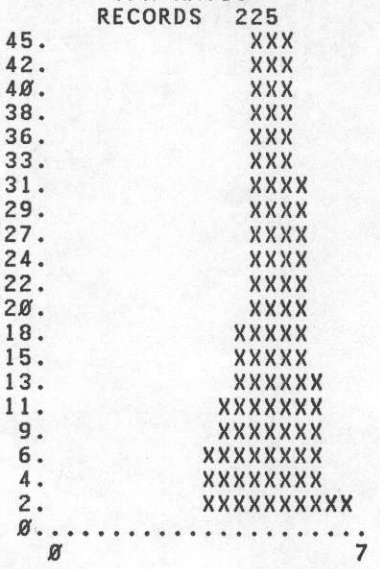
MEAN 1.8 SIGMA .4

U/T RATIO
RECORDS 225



MEAN .4 SIGMA .1

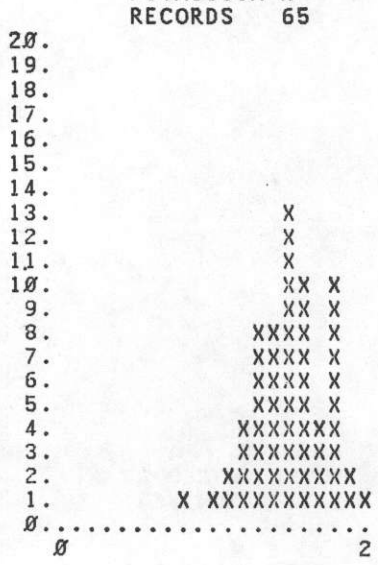
T/K RATIO
RECORDS 225



MEAN 4.7 SIGMA .6

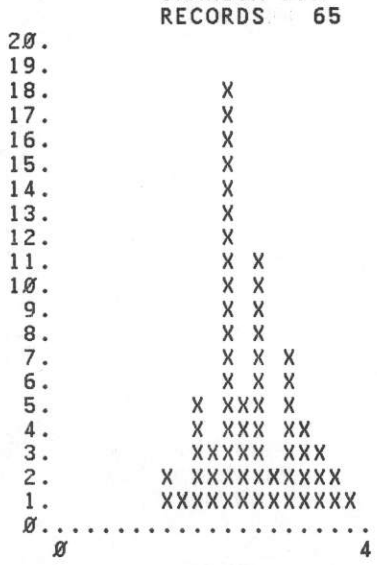
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Ssl

POTASSIUM %
RECORDS 65



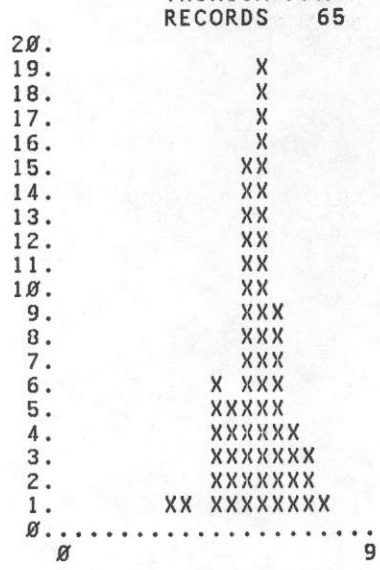
MEAN 1.2 SIGMA .2

URANIUM PPM
RECORDS 65



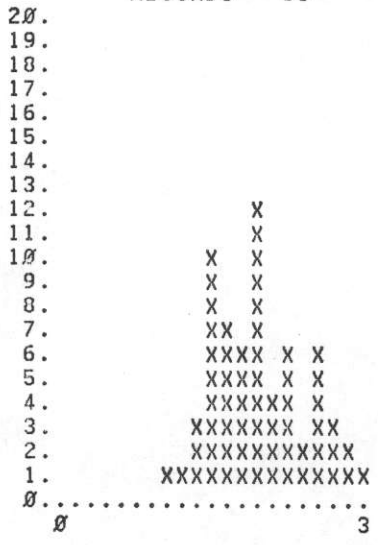
MEAN 2.6 SIGMA .6

THORIUM PPM
RECORDS 65



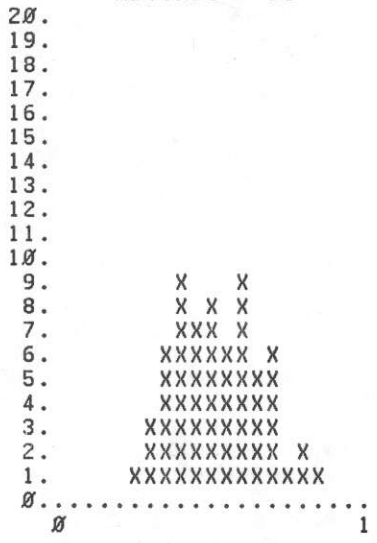
MEAN 5.5 SIGMA .9

U/K RATIO
RECORDS 65



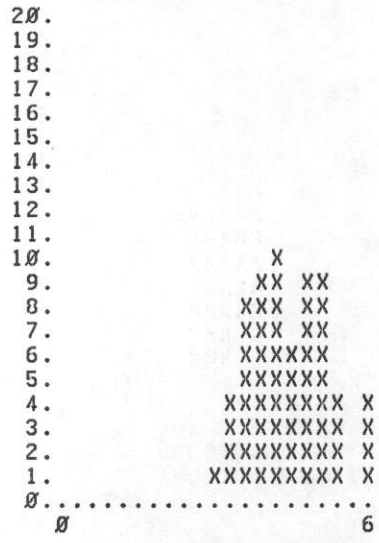
MEAN 2.2 SIGMA .5

U/T RATIO
RECORDS 65



MEAN .5 SIGMA .1

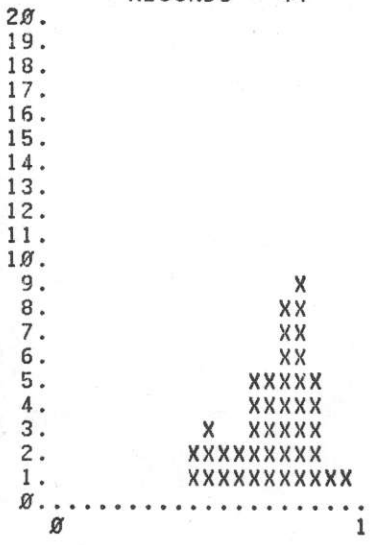
T/K RATIO
RECORDS 65



MEAN 4.7 SIGMA .8

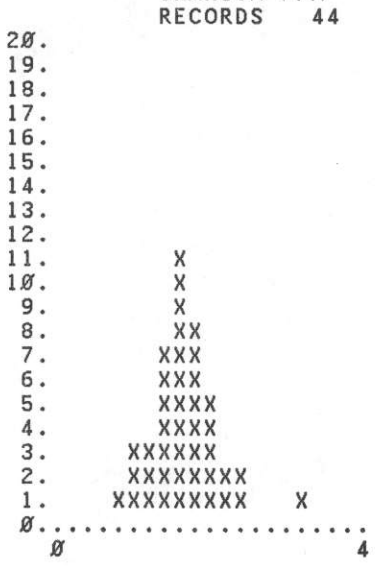
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Sr

POTASSIUM %
RECORDS 44



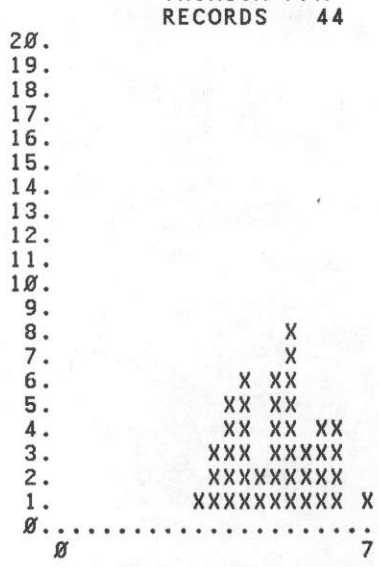
MEAN .9 SIGMA .2

URANIUM PPM
RECORDS 44



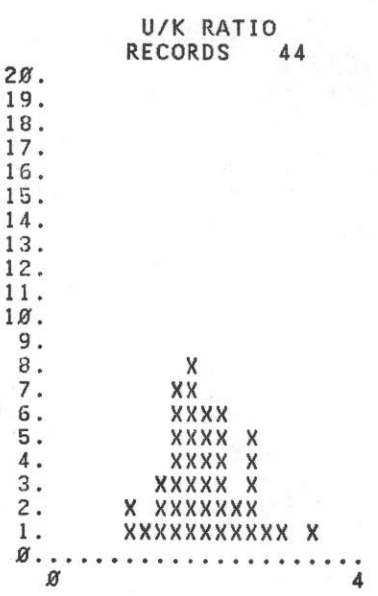
MEAN 1.9 SIGMA .6

THORIUM PPM
RECORDS 44



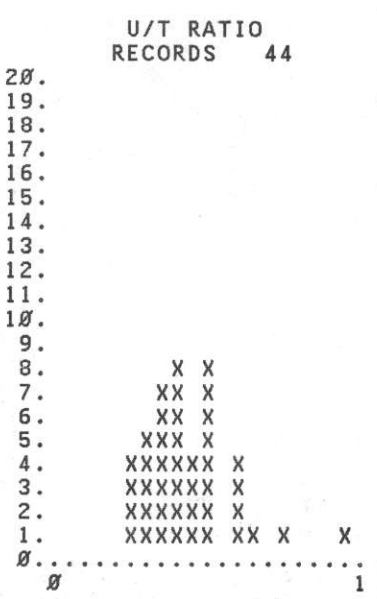
MEAN 4.9 SIGMA .9

U/K RATIO
RECORDS 44



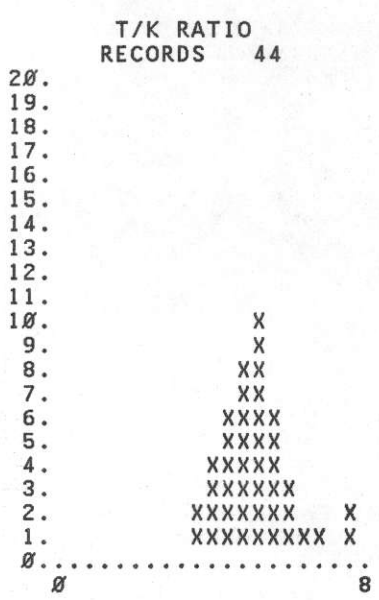
MEAN 2.0 SIGMA .6

U/T RATIO
RECORDS 44



MEAN .4 SIGMA .1

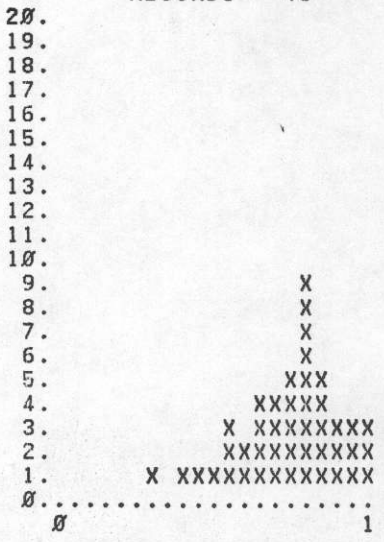
T/K RATIO
RECORDS 44



MEAN 5.4 SIGMA 1.0

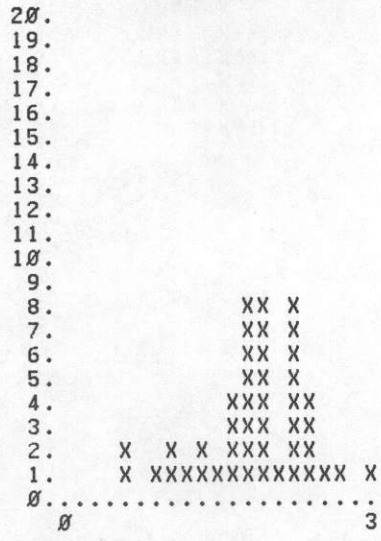
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Srb

POTASSIUM %
RECORDS 46



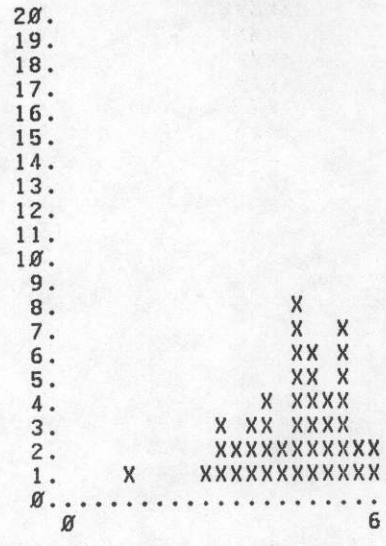
MEAN 1.0 SIGMA .2

URANIUM PPM
RECORDS 46



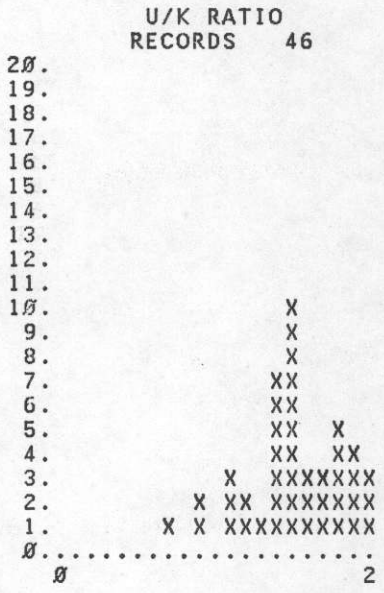
MEAN 1.8 SIGMA .5

THORIUM PPM
RECORDS 46



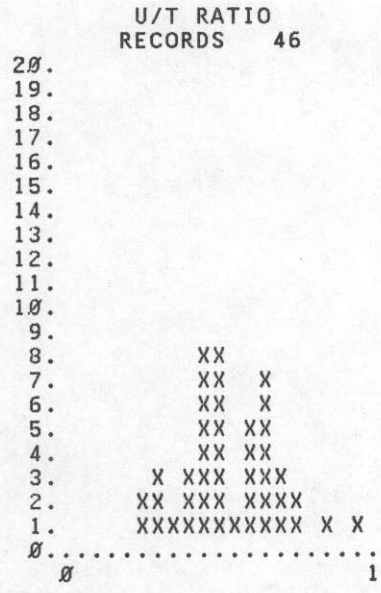
MEAN 4.7 SIGMA 1.0

U/K RATIO
RECORDS 46



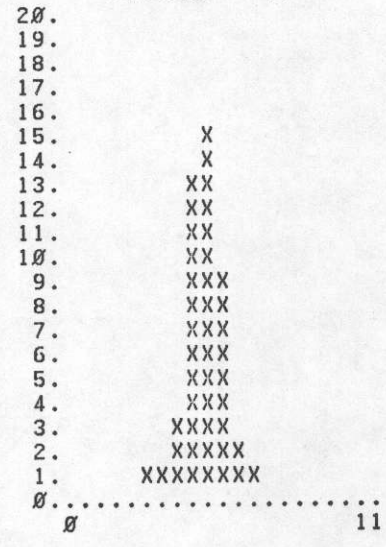
MEAN 1.9 SIGMA .4

U/T RATIO
RECORDS 46



MEAN .4 SIGMA .1

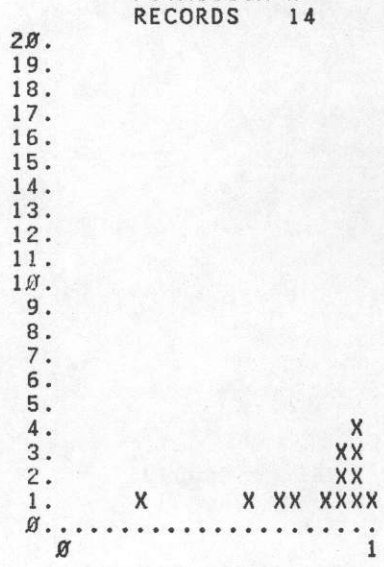
T/K RATIO
RECORDS 46



MEAN 4.9 SIGMA 1.1

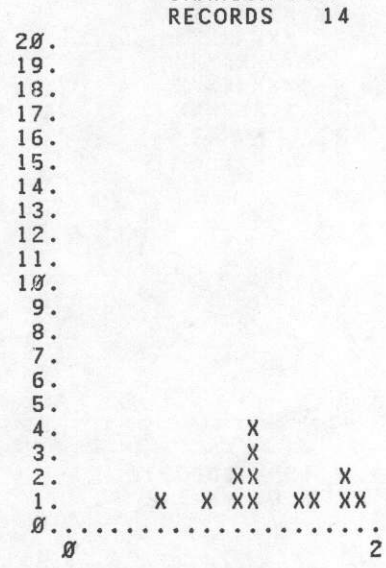
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT SOm

POTASSIUM %
RECORDS 14



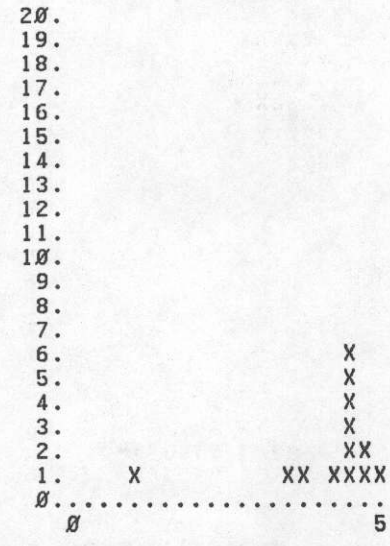
MEAN .9 SIGMA .2

URANIUM PPM
RECORDS 14



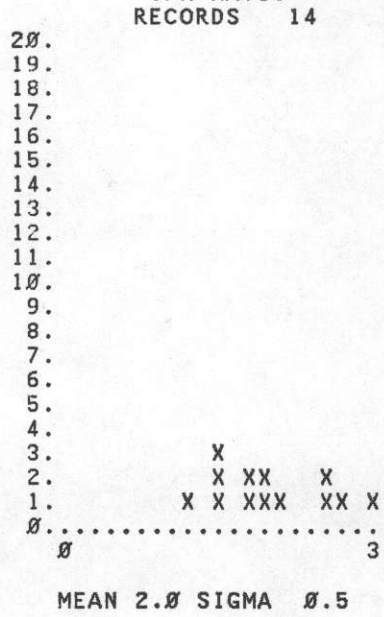
MEAN 1.6 SIGMA .5

THORIUM PPM
RECORDS 14



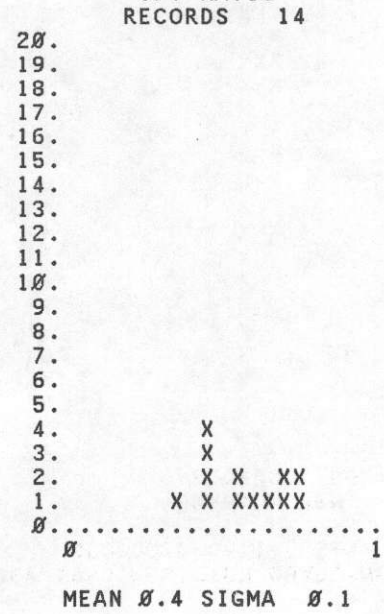
MEAN 4.5 SIGMA 1.0

U/K RATIO
RECORDS 14



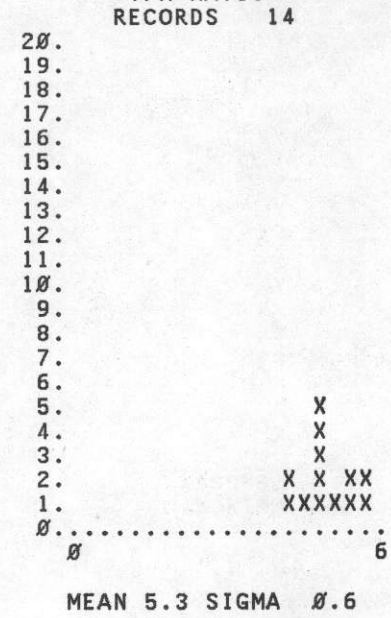
MEAN 2.0 SIGMA .5

U/T RATIO
RECORDS 14



MEAN .4 SIGMA .1

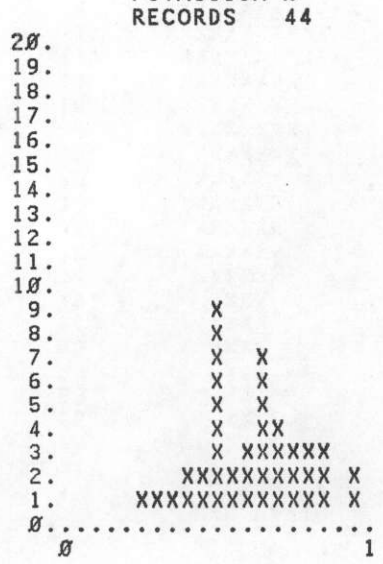
T/K RATIO
RECORDS 14



MEAN 5.3 SIGMA .6

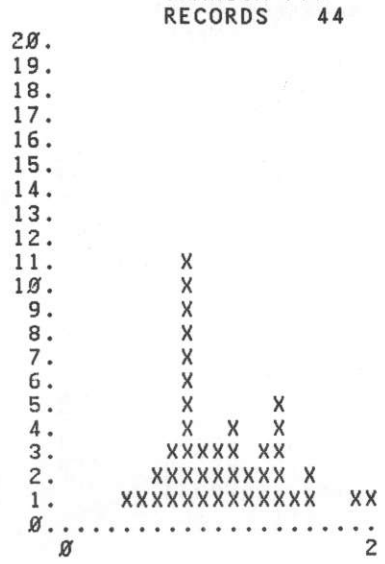
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT SOq

POTASSIUM %
RECORDS 44



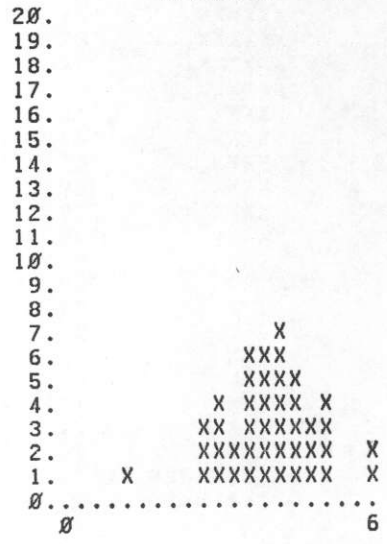
MEAN 0.8 SIGMA 0.2

URANIUM PPM
RECORDS 44



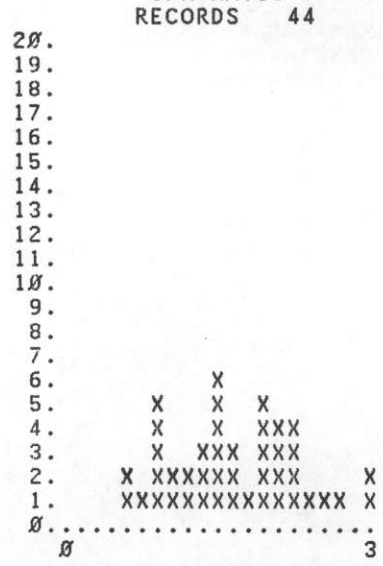
MEAN 1.3 SIGMA 0.5

THORIUM PPM
RECORDS 44



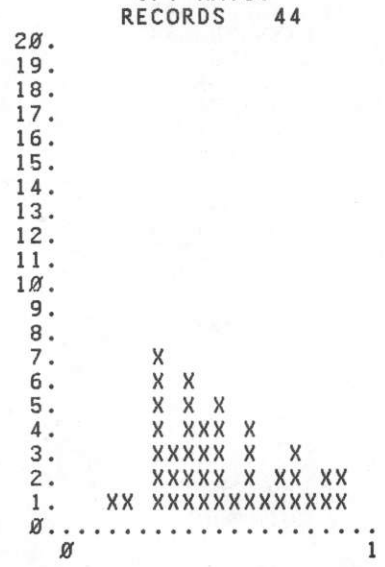
MEAN 4.2 SIGMA 1.0

U/K RATIO
RECORDS 44



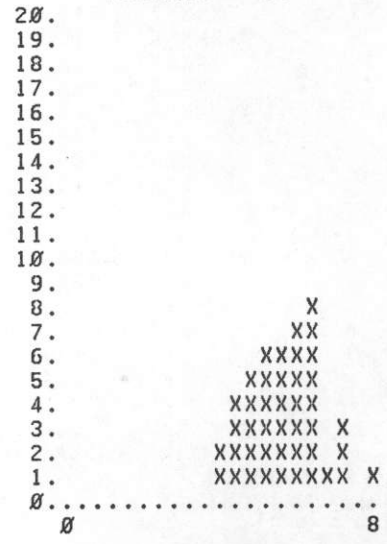
MEAN 1.7 SIGMA 0.6

U/T RATIO
RECORDS 44



MEAN 0.3 SIGMA 0.1

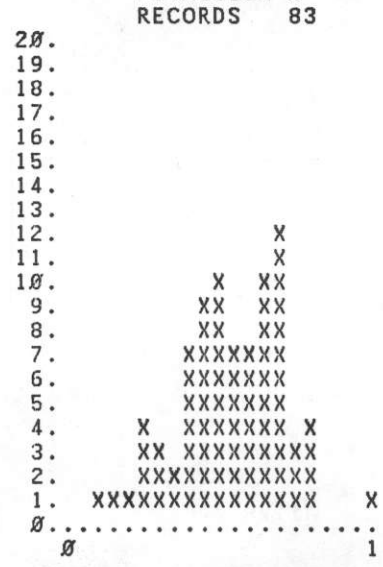
T/K RATIO
RECORDS 44



MEAN 5.3 SIGMA 0.9

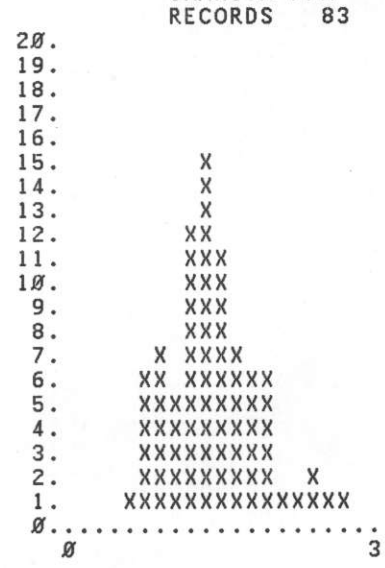
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Oq

POTASSIUM %
RECORDS 83



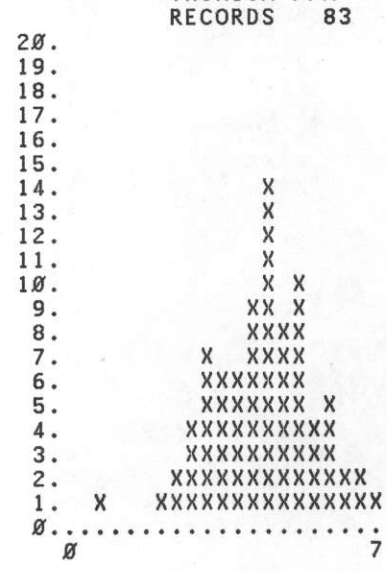
MEAN 0.8 SIGMA 0.2

URANIUM PPM
RECORDS 83



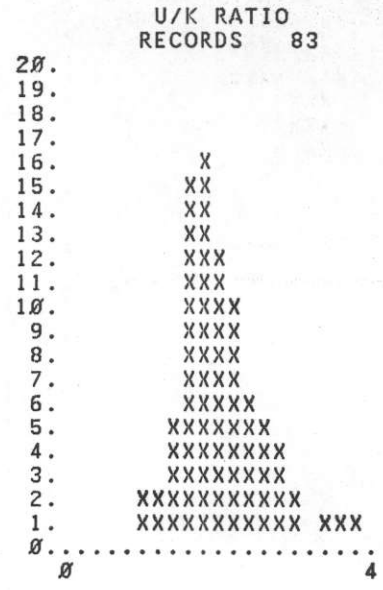
MEAN 1.6 SIGMA 0.5

THORIUM PPM
RECORDS 83



MEAN 4.2 SIGMA 1.1

U/K RATIO
RECORDS 83

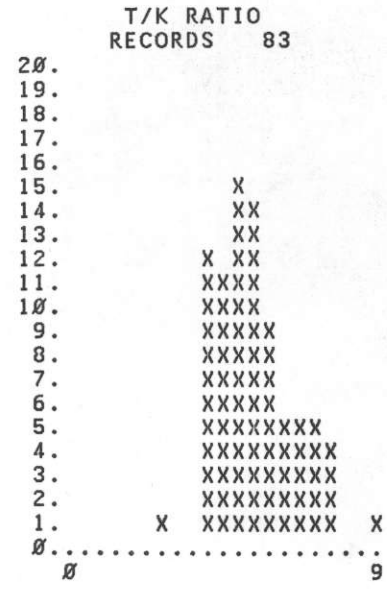


MEAN 2.1 SIGMA 0.6

U/T RATIO
RECORDS 83

MEAN 0.4 SIGMA 0.1

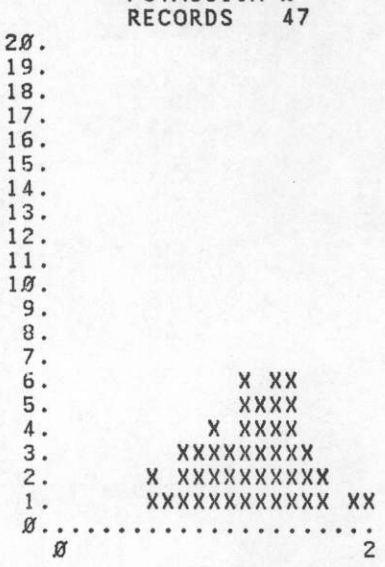
T/K RATIO
RECORDS 83



MEAN 5.4 SIGMA 1.1

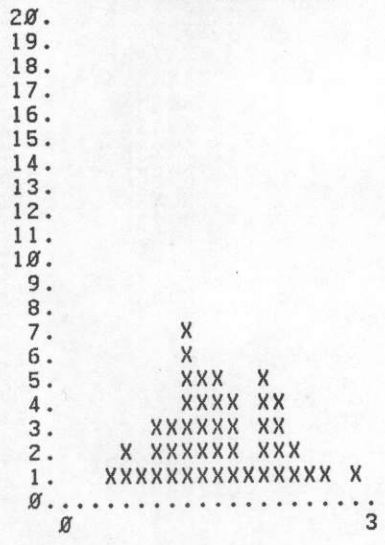
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Od

POTASSIUM %
RECORDS 47



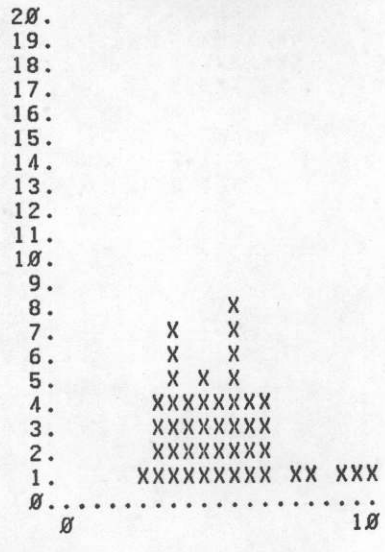
MEAN 1.0 SIGMA .2

URANIUM PPM
RECORDS 47



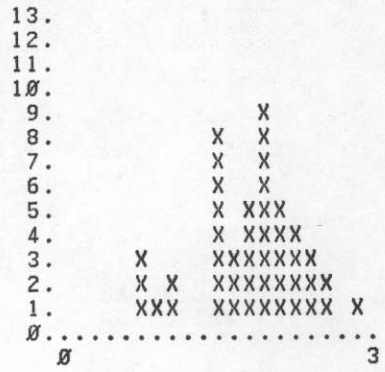
MEAN 1.7 SIGMA .6

THORIUM PPM
RECORDS 47



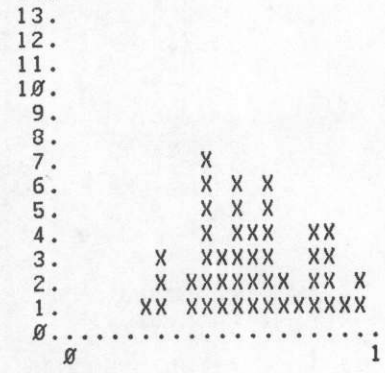
MEAN 5.3 SIGMA 1.8

U/K RATIO
RECORDS 47



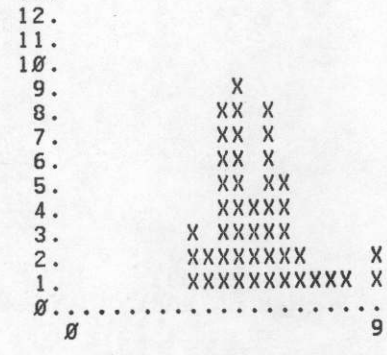
MEAN 1.8 SIGMA .5

U/T RATIO
RECORDS 47



MEAN .3 SIGMA .1

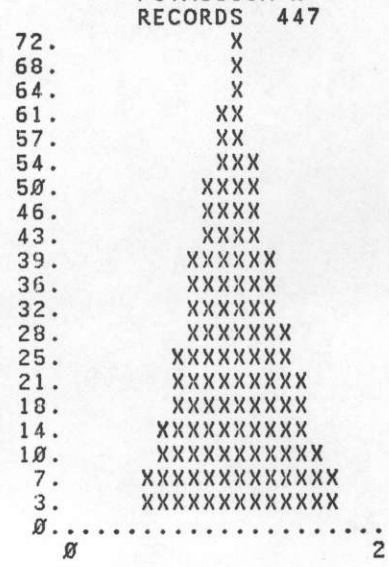
T/K RATIO
RECORDS 47



MEAN 5.6 SIGMA 1.3

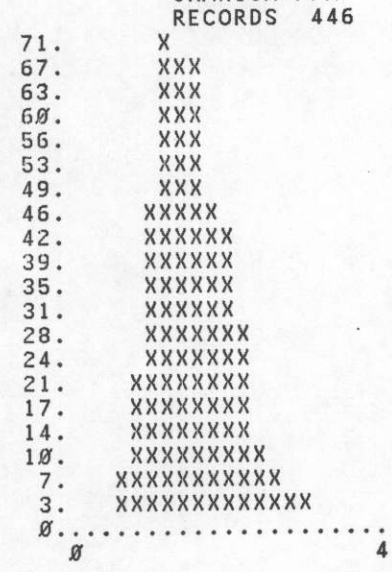
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Oal

POTASSIUM %
RECORDS 447



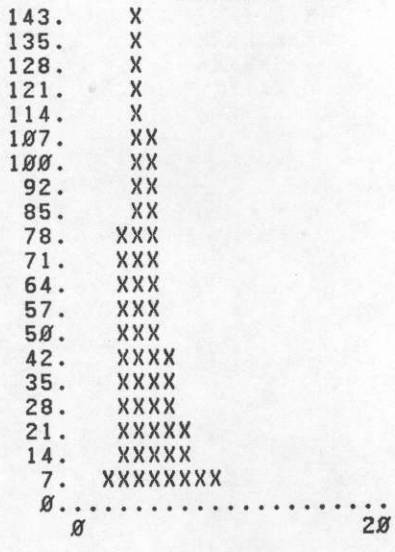
MEAN .9 SIGMA .2

URANIUM PPM
RECORDS 446



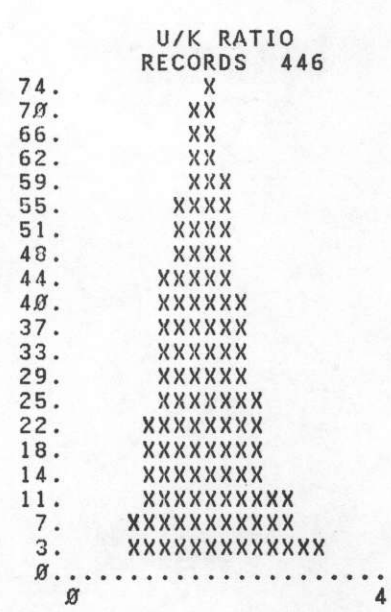
MEAN 1.7 SIGMA .6

THORIUM PPM
RECORDS 447



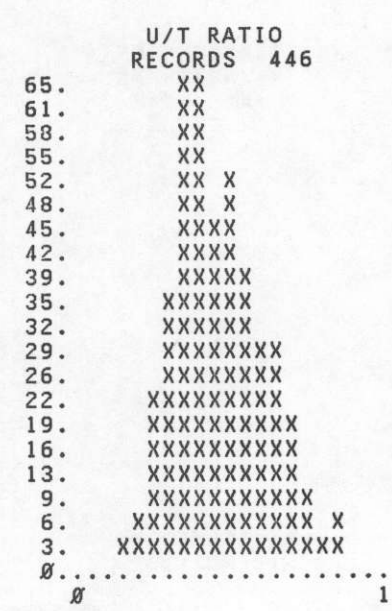
MEAN 5.0 SIGMA 1.8

U/K RATIO
RECORDS 446



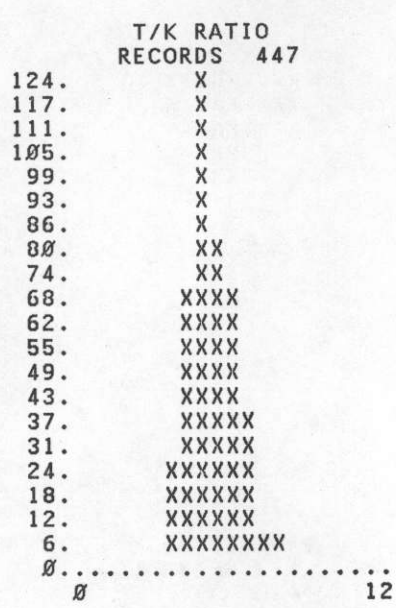
MEAN 1.8 SIGMA .5

U/T RATIO
RECORDS 446



MEAN .4 SIGMA .1

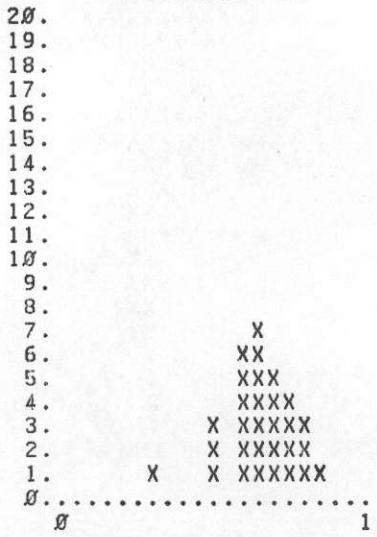
T/K RATIO
RECORDS 447



MEAN 5.3 SIGMA 1.1

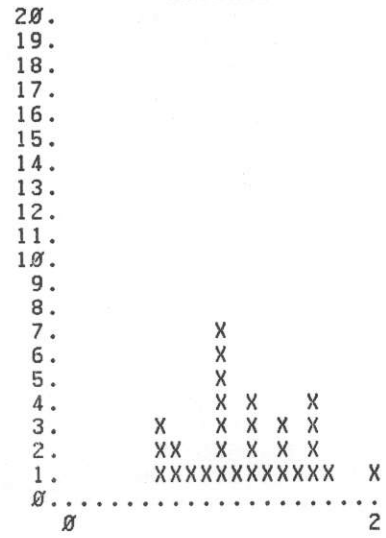
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT COa

POTASSIUM %
RECORDS 31



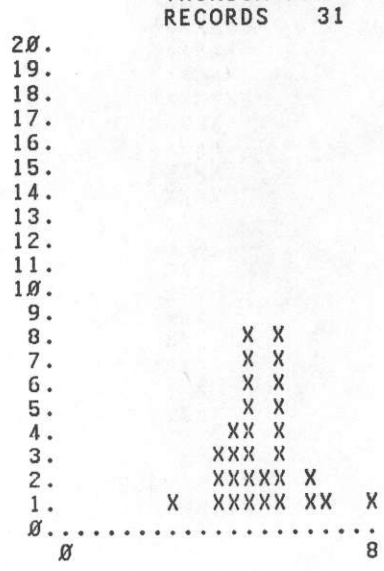
MEAN 1.0 SIGMA .2

URANIUM PPM
RECORDS 31



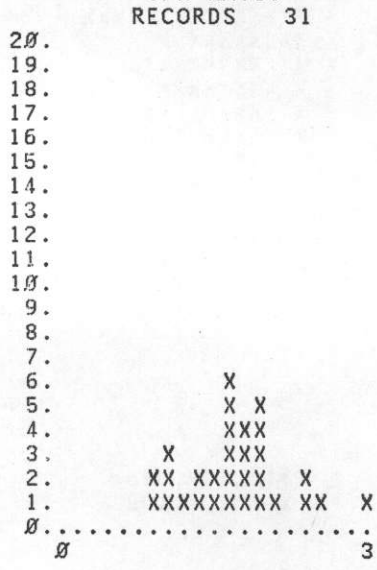
MEAN 1.5 SIGMA .5

THORIUM PPM
RECORDS 31



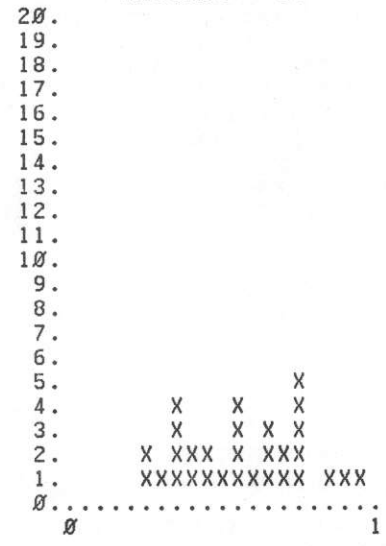
MEAN 4.9 SIGMA 1.0

U/K RATIO
RECORDS 31



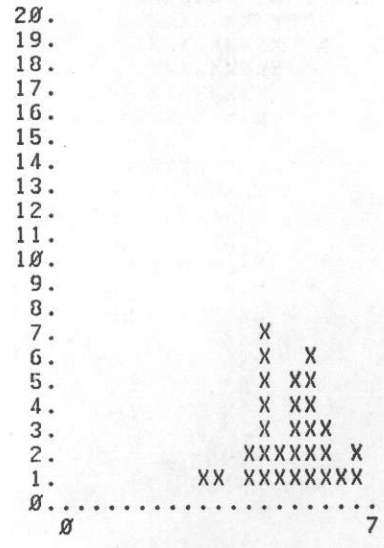
MEAN 1.6 SIGMA .5

U/T RATIO
RECORDS 31



MEAN .3 SIGMA .1

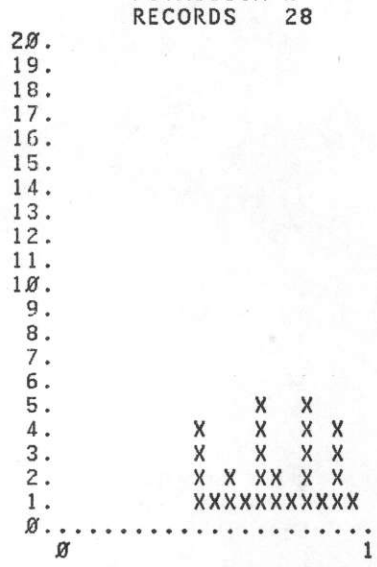
T/K RATIO
RECORDS 31



MEAN 5.1 SIGMA .9

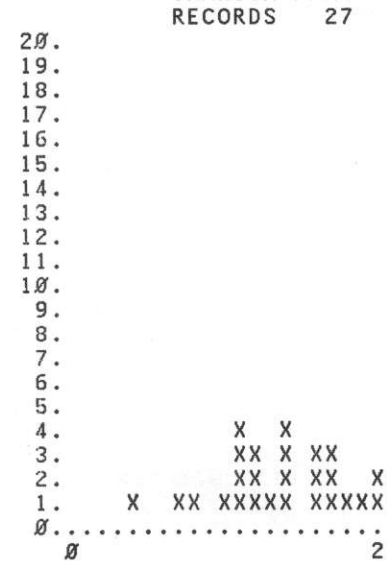
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT COag

POTASSIUM %
RECORDS 28



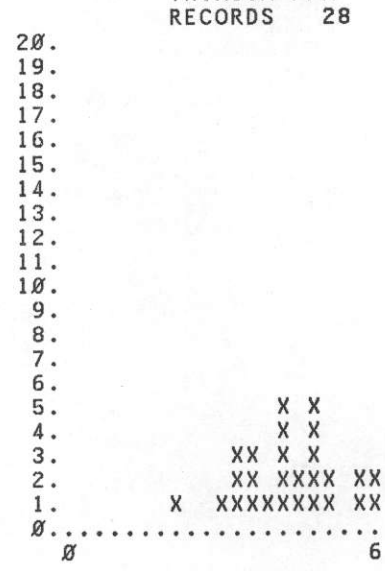
MEAN .8 SIGMA .2

URANIUM PPM
RECORDS 27



MEAN 1.6 SIGMA .5

THORIUM PPM
RECORDS 28



MEAN 4.4 SIGMA .9

U/K RATIO
RECORDS 27

MEAN 1.9 SIGMA .4

U/T RATIO
RECORDS 27

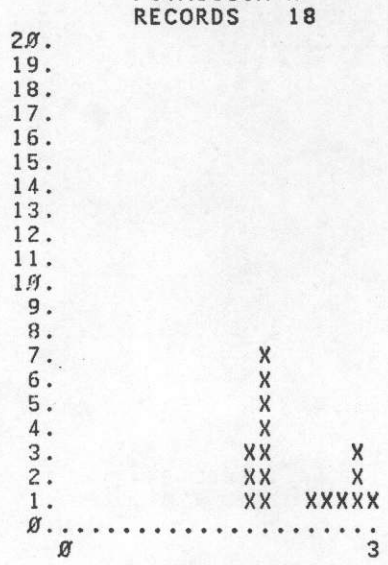
MEAN .4 SIGMA .2

T/K RATIO
RECORDS 28

MEAN 5.2 SIGMA .9

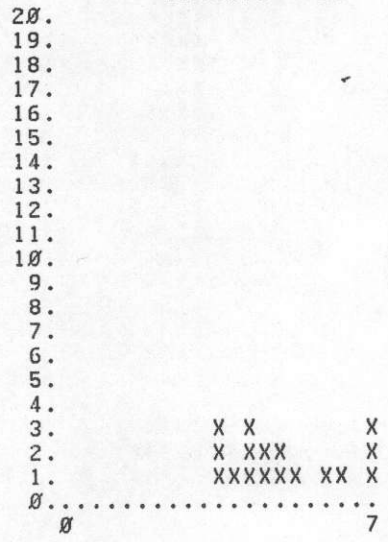
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Mm

POTASSIUM %
RECORDS 18



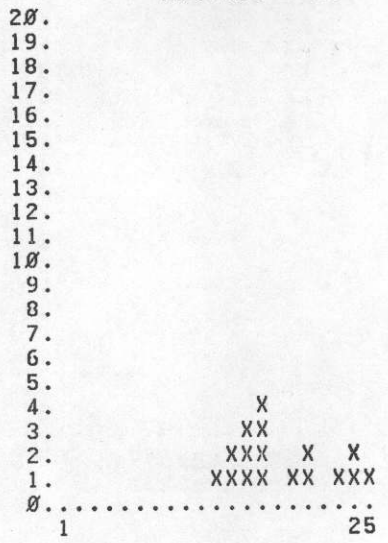
MEAN 2.2 SIGMA .4

URANIUM PPM
RECORDS 18



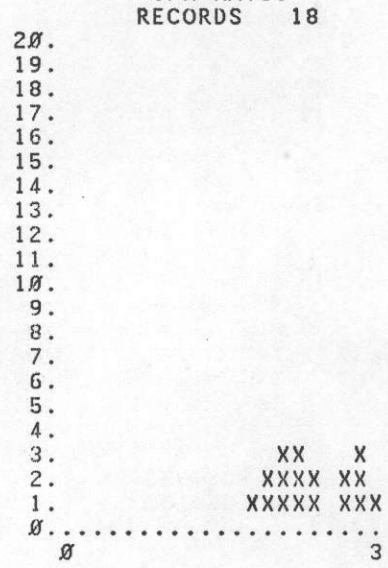
MEAN 4.8 SIGMA 1.2

THORIUM PPM
RECORDS 18



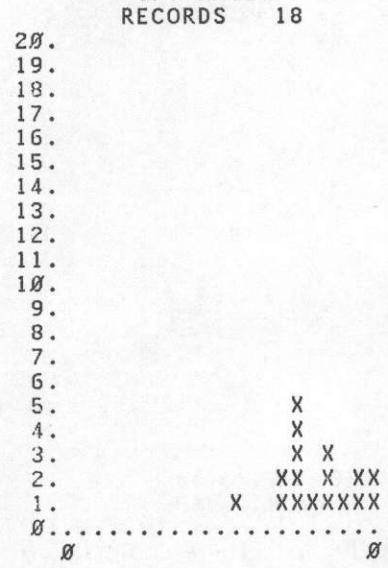
MEAN18.4 SIGMA 4.0

U/K RATIO
RECORDS 18



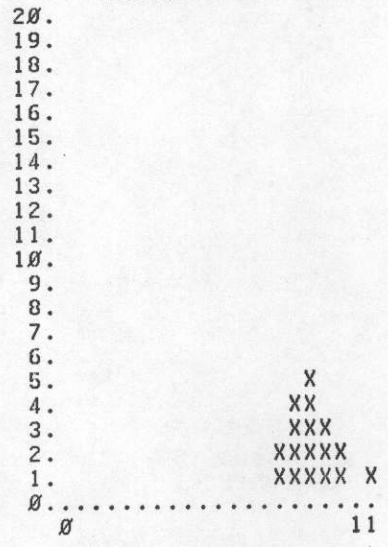
MEAN 2.2 SIGMA .3

U/T RATIO
RECORDS 18



MEAN .3 SIGMA .0

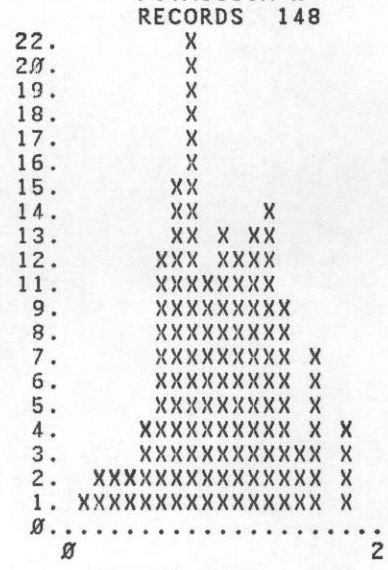
T/K RATIO
RECORDS 18



MEAN 8.5 SIGMA .9

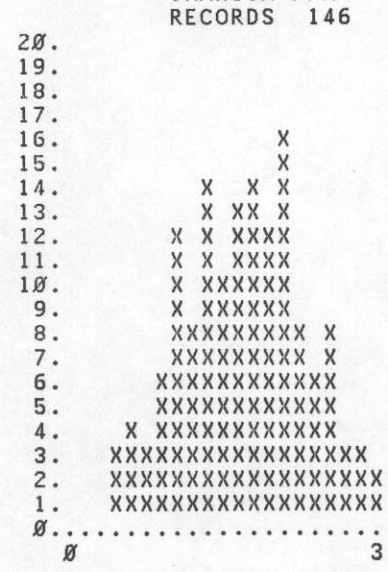
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Oa

POTASSIUM %
RECORDS 148



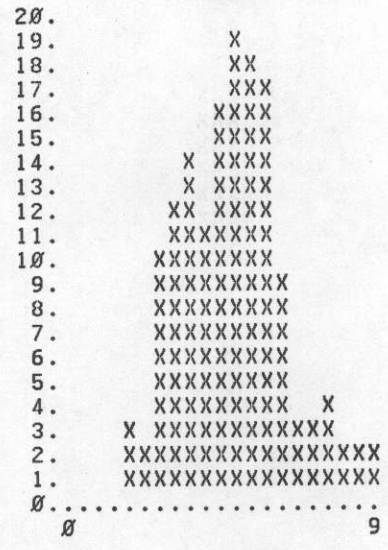
MEAN .9 SIGMA .3

URANIUM PPM
RECORDS 146



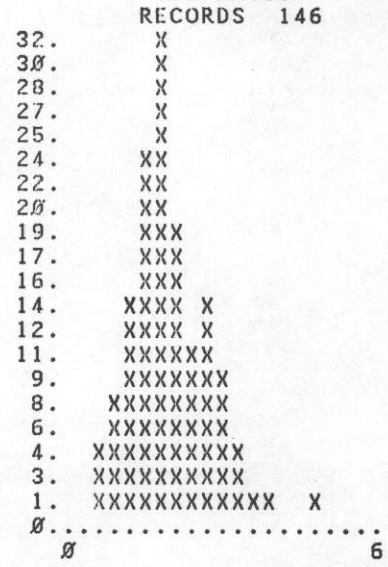
MEAN 1.7 SIGMA .6

THORIUM PPM
RECORDS 148



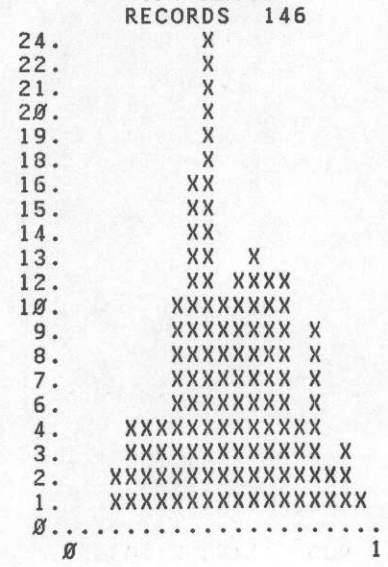
MEAN 4.6 SIGMA 1.4

U/K RATIO
RECORDS 146



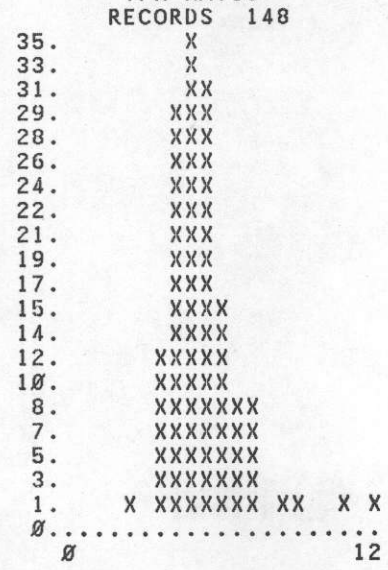
MEAN 2.0 SIGMA .7

U/T RATIO
RECORDS 146



MEAN .4 SIGMA .1

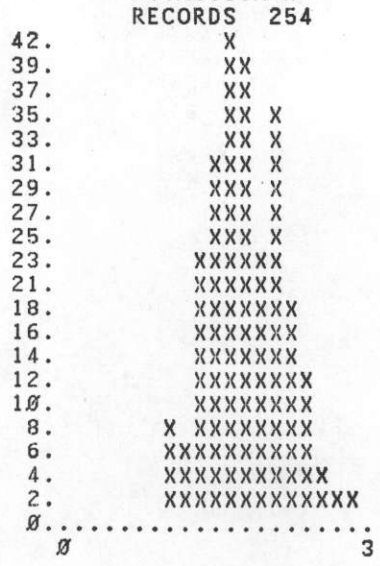
T/K RATIO
RECORDS 148



MEAN 5.2 SIGMA 1.3

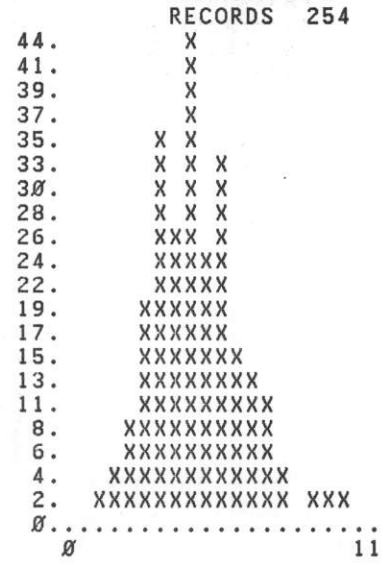
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT cg

POTASSIUM %
RECORDS 254



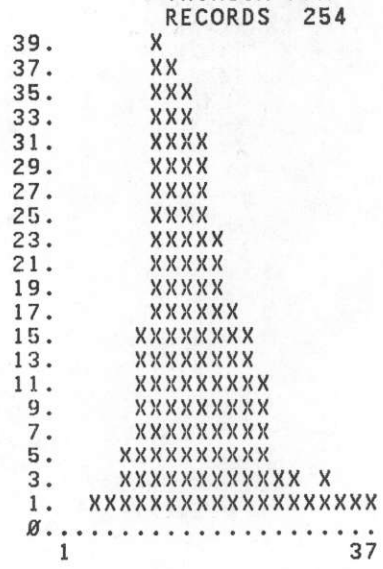
MEAN 1.9 SIGMA .4

URANIUM PPM
RECORDS 254



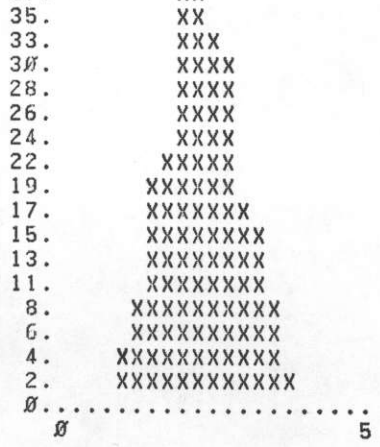
MEAN 4.6 SIGMA 1.6

THORIUM PPM
RECORDS 254



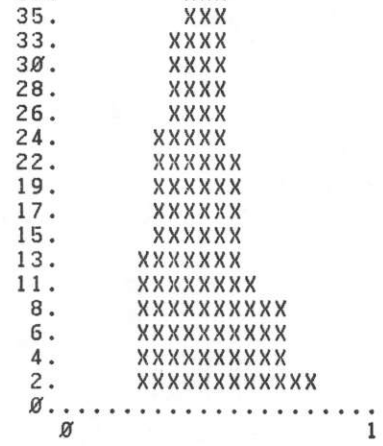
MEAN16.6 SIGMA 5.6

U/K RATIO
RECORDS 254



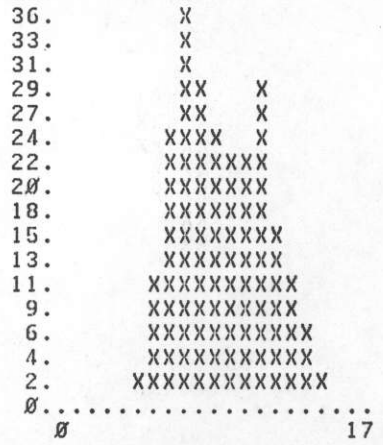
MEAN 2.4 SIGMA .7

U/T RATIO
RECORDS 254



MEAN .3 SIGMA .1

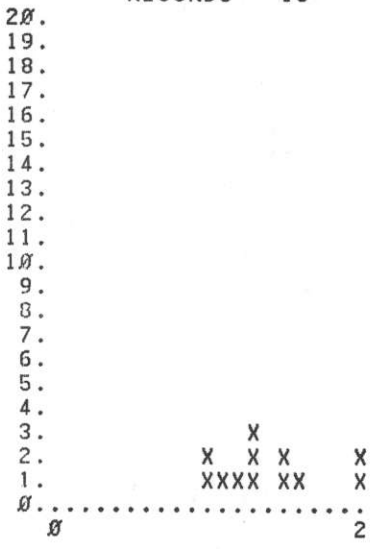
T/K RATIO
RECORDS 254



MEAN 8.9 SIGMA 2.4

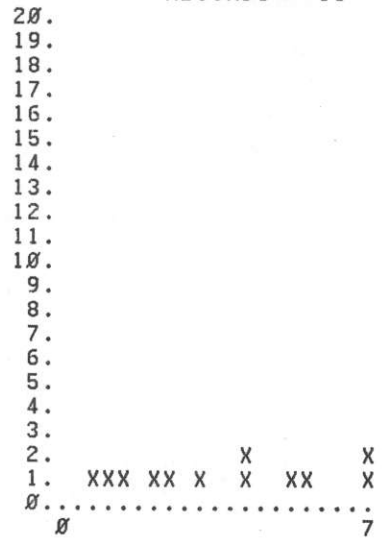
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT rg

POTASSIUM %
RECORDS 13



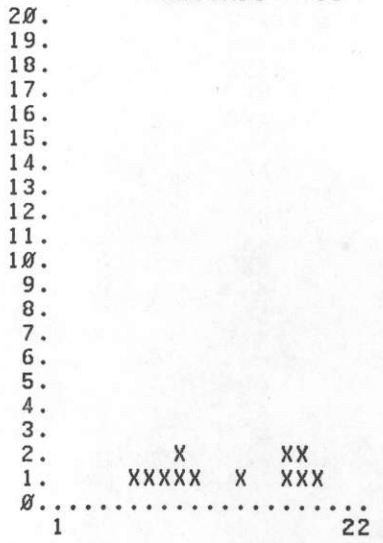
MEAN 1.6 SIGMA .4

URANIUM PPM
RECORDS 13



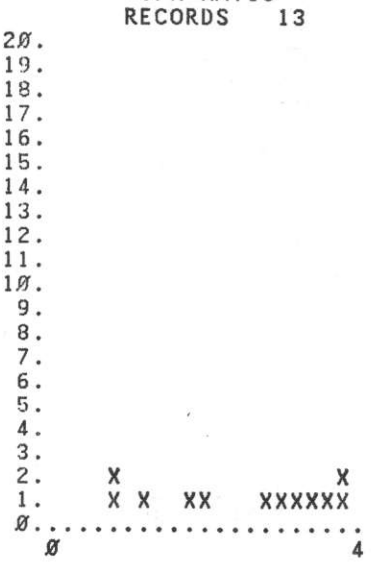
MEAN 4.0 SIGMA 2.3

THORIUM PPM
RECORDS 13



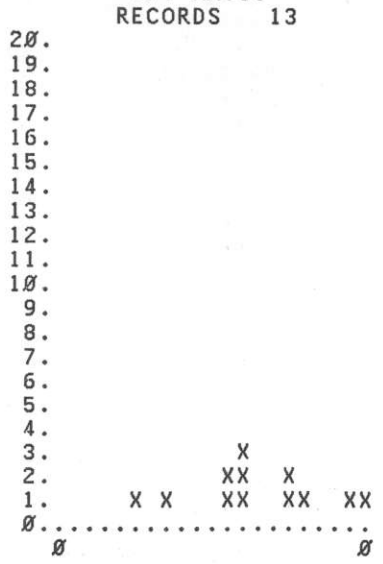
MEAN12.8 SIGMA 5.2

U/K RATIO
RECORDS 13



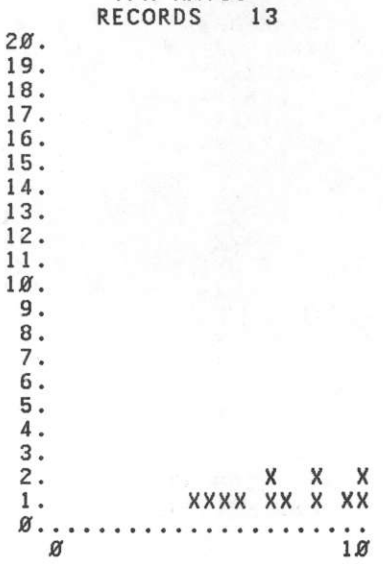
MEAN 2.3 SIGMA 1.0

U/T RATIO
RECORDS 13



MEAN .3 SIGMA .1

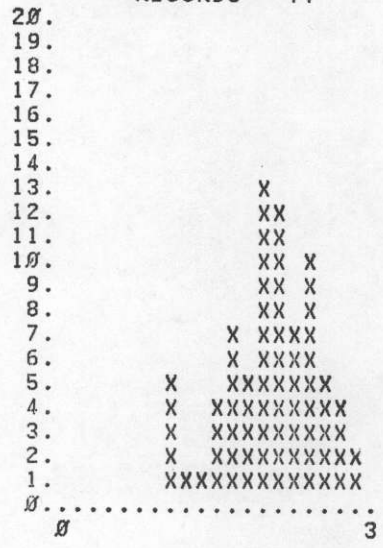
T/K RATIO
RECORDS 13



MEAN 7.7 SIGMA 2.0

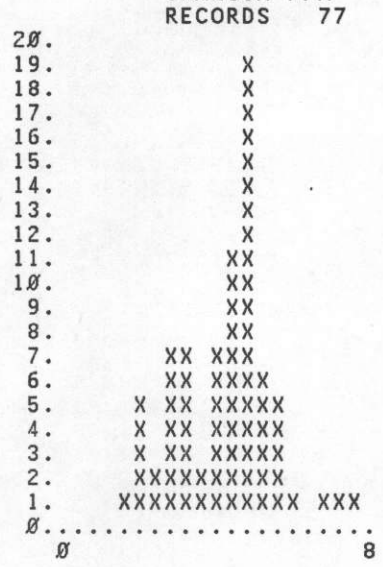
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT mo

POTASSIUM %
RECORDS 77



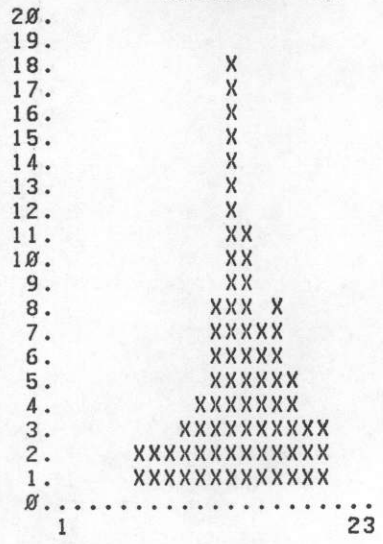
MEAN 1.9 SIGMA .4

URANIUM PPM
RECORDS 77



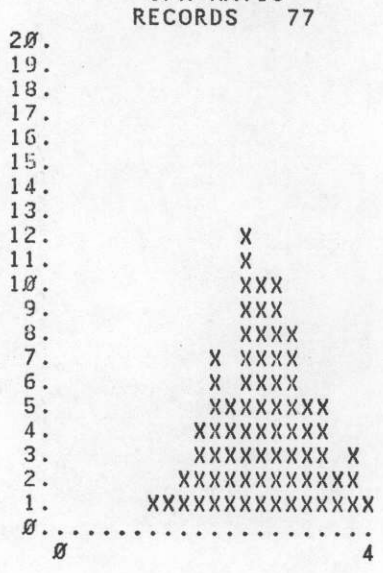
MEAN 4.3 SIGMA 1.2

THORIUM PPM
RECORDS 77



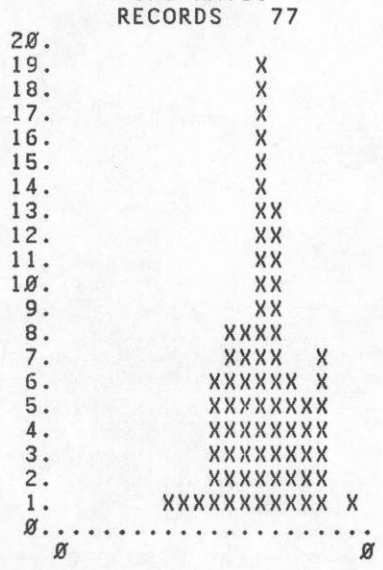
MEAN13.3 SIGMA 3.2

U/K RATIO
RECORDS 77



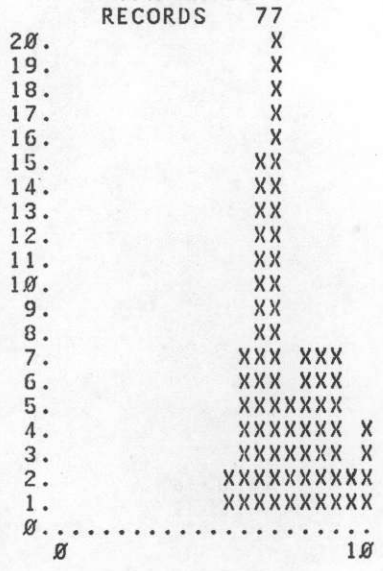
MEAN 2.3 SIGMA .5

U/T RATIO
RECORDS 77



MEAN .3 SIGMA .1

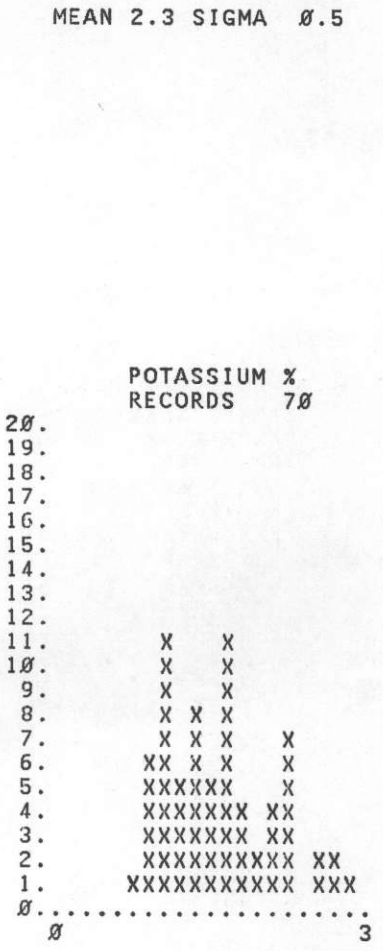
T/K RATIO
RECORDS 77



MEAN 7.2 SIGMA 1.1

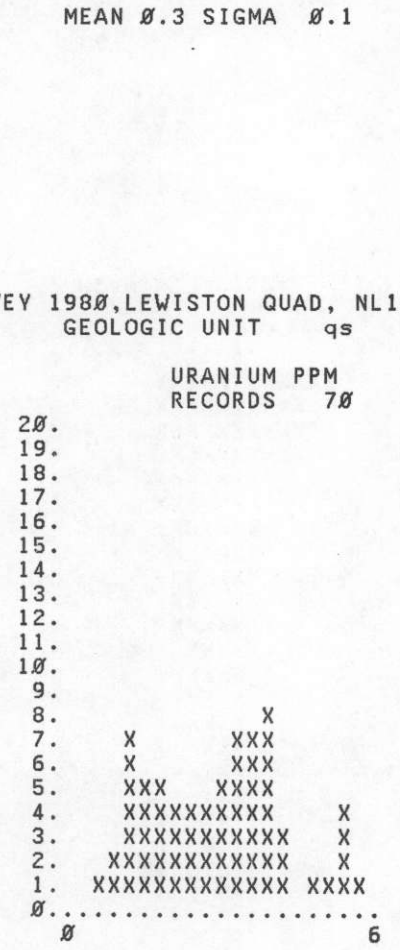
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT qs

POTASSIUM %
RECORDS 70



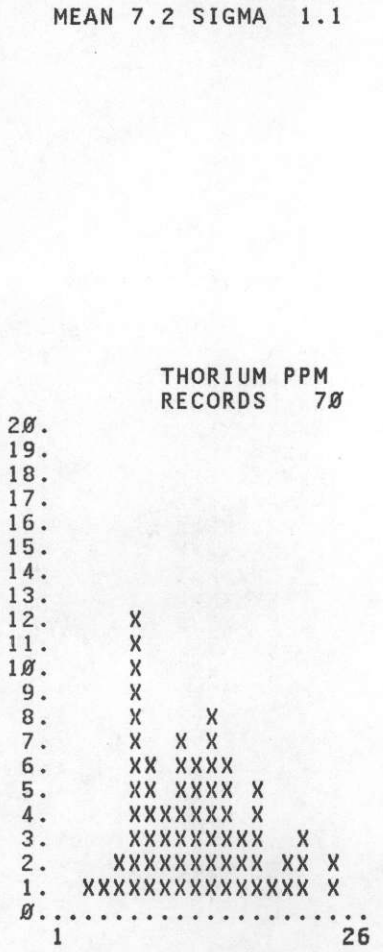
MEAN 1.7 SIGMA .5

URANIUM PPM
RECORDS 70



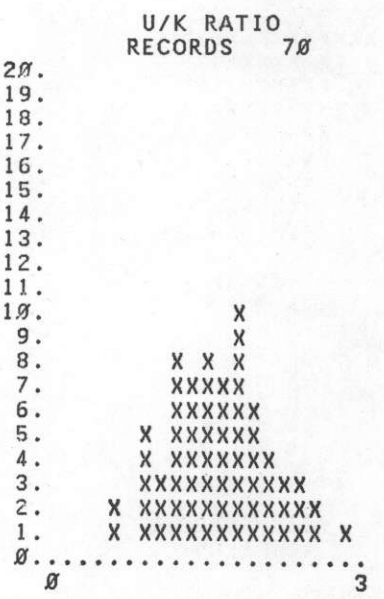
MEAN 2.8 SIGMA 1.2

THORIUM PPM
RECORDS 70



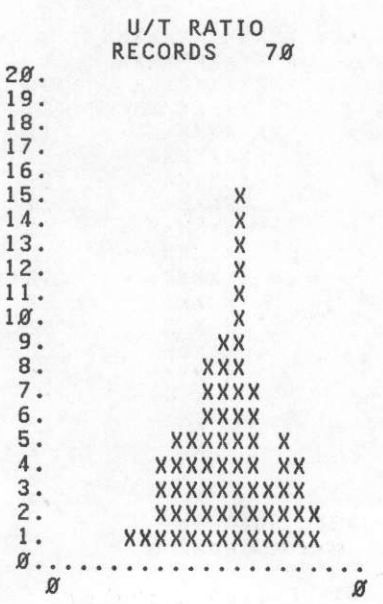
MEAN11.8 SIGMA 4.8

U/K RATIO
RECORDS 70



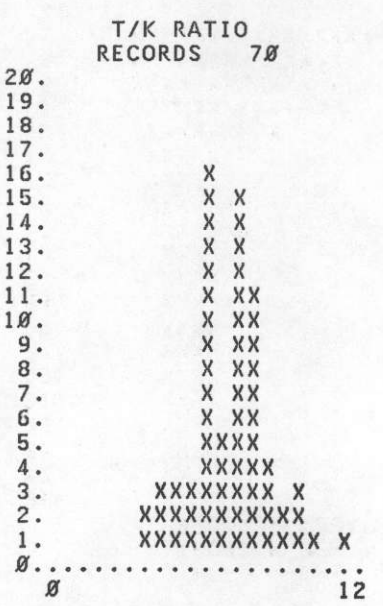
MEAN 1.7 SIGMA .5

U/T RATIO
RECORDS 70



MEAN .2 SIGMA .1

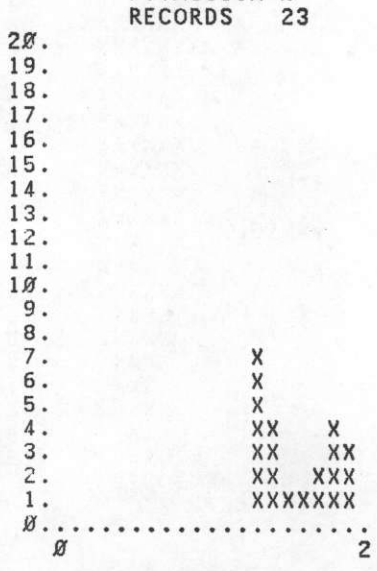
T/K RATIO
RECORDS 70



MEAN 7.0 SIGMA 1.6

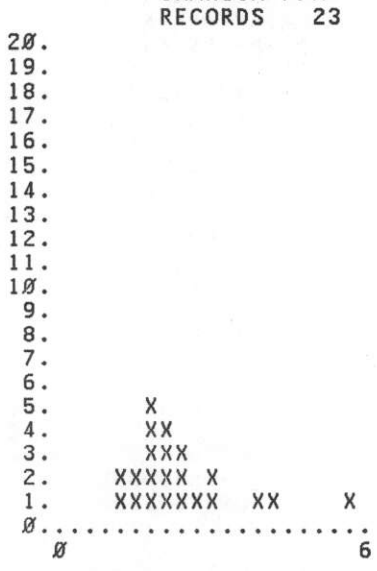
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT sy

POTASSIUM %
RECORDS 23



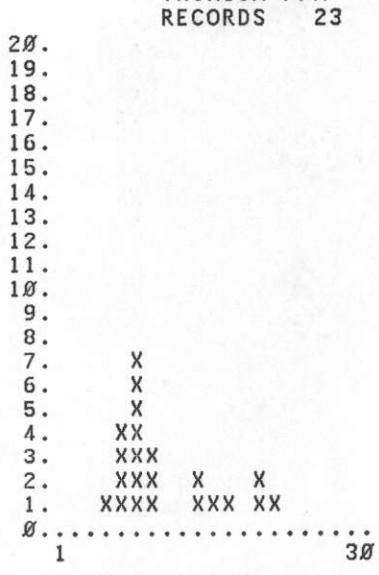
MEAN 1.8 SIGMA .3

URANIUM PPM
RECORDS 23



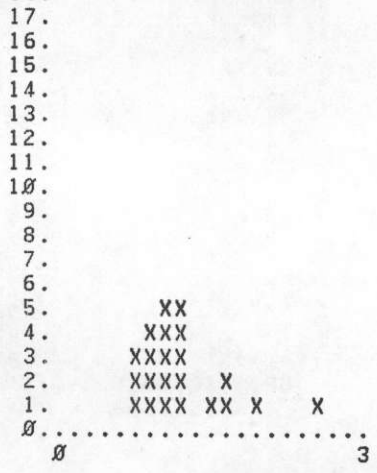
MEAN 2.6 SIGMA 1.3

THORIUM PPM
RECORDS 23



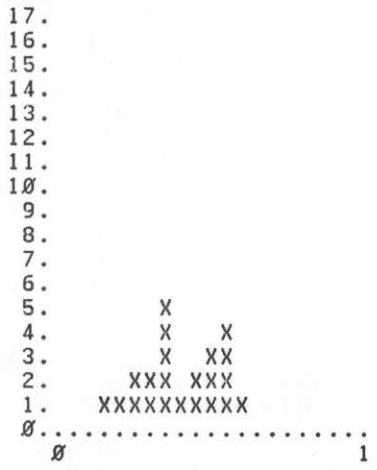
MEAN11.4 SIGMA 6.1

U/K RATIO
RECORDS 23



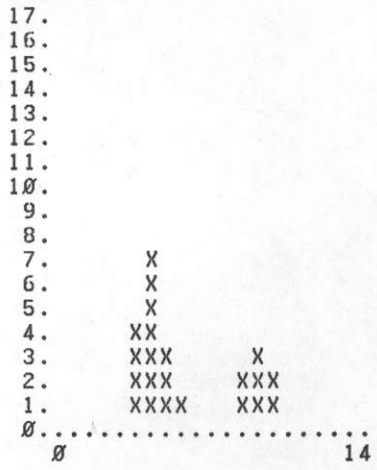
MEAN 1.4 SIGMA .6

U/T RATIO
RECORDS 23



MEAN .3 SIGMA .1

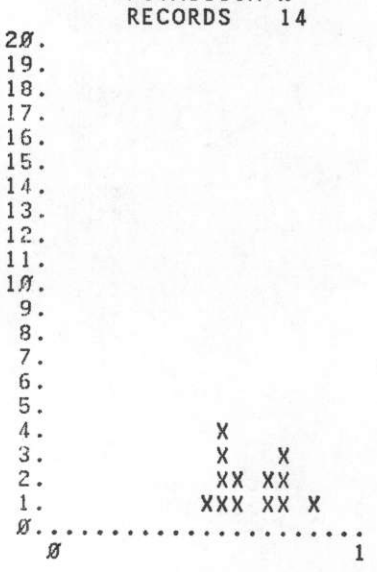
T/K RATIO
RECORDS 23



MEAN 6.1 SIGMA 2.7

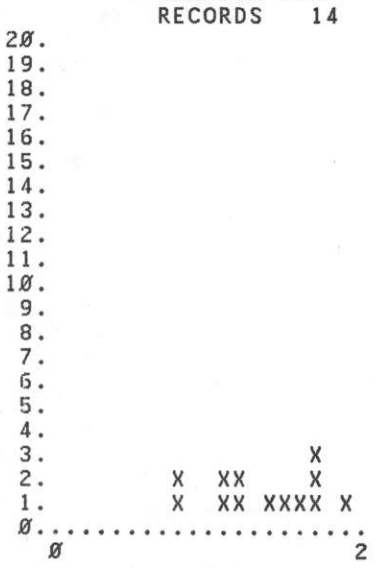
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT qm

POTASSIUM %
RECORDS 14



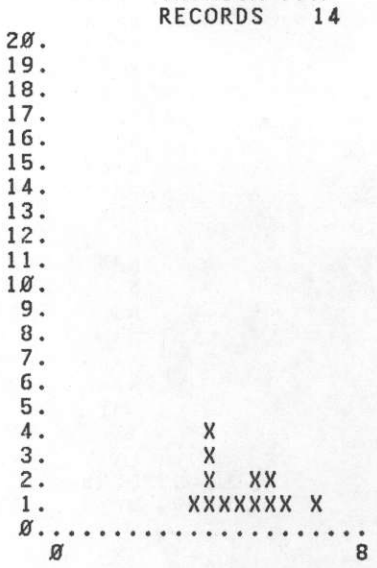
MEAN 1.0 SIGMA .2

URANIUM PPM
RECORDS 14



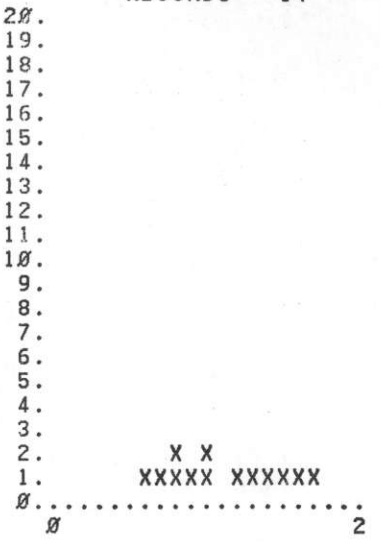
MEAN 1.3 SIGMA .3

THORIUM PPM
RECORDS 14



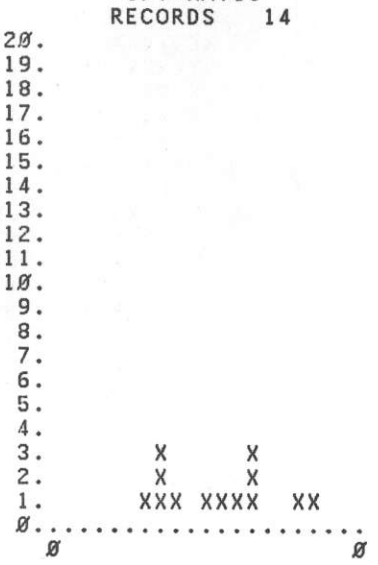
MEAN 5.1 SIGMA 1.3

U/K RATIO
RECORDS 14



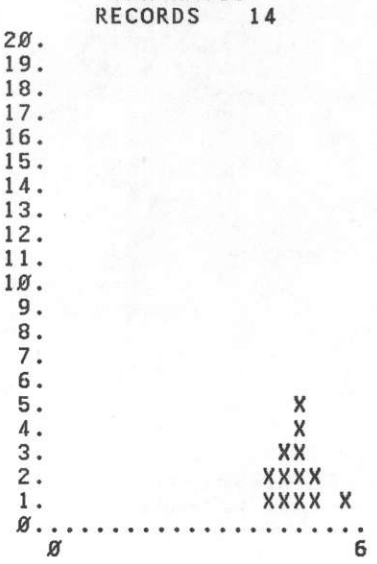
MEAN 1.3 SIGMA .5

U/T RATIO
RECORDS 14



MEAN .3 SIGMA .1

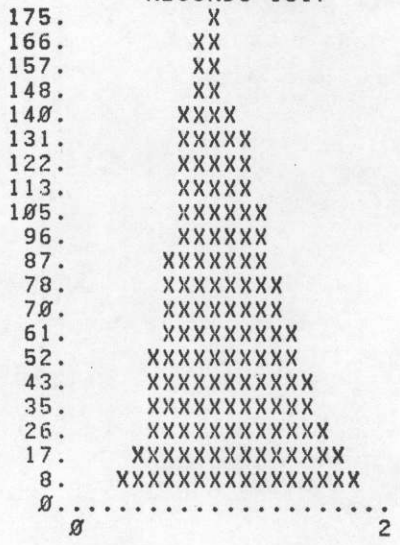
T/K RATIO
RECORDS 14



MEAN 5.1 SIGMA .5

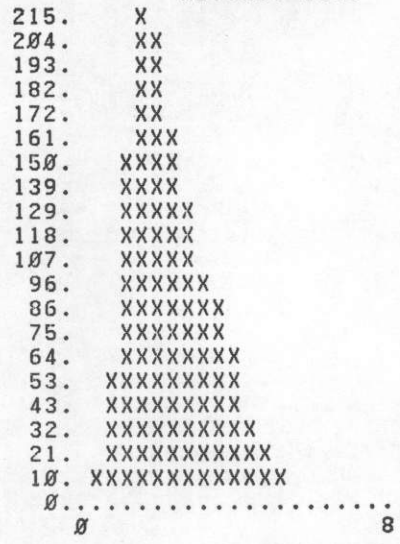
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT big

POTASSIUM %
RECORDS 1317



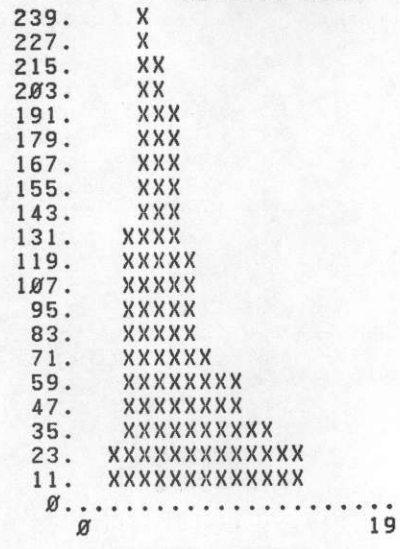
MEAN 1.2 SIGMA .4

URANIUM PPM
RECORDS 1318



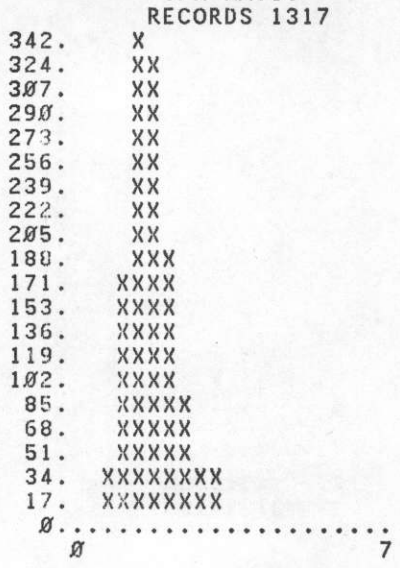
MEAN 2.4 SIGMA 1.1

THORIUM PPM
RECORDS 1317



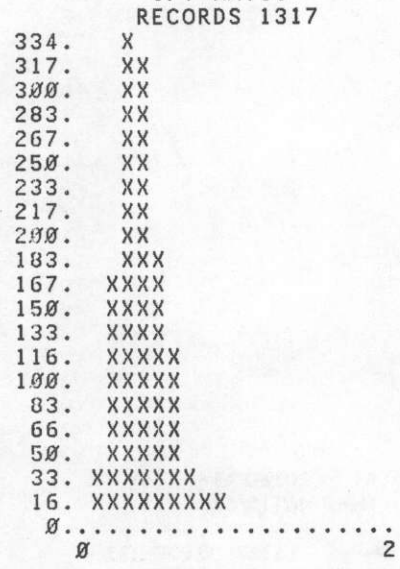
MEAN 6.4 SIGMA 2.9

U/K RATIO
RECORDS 1317



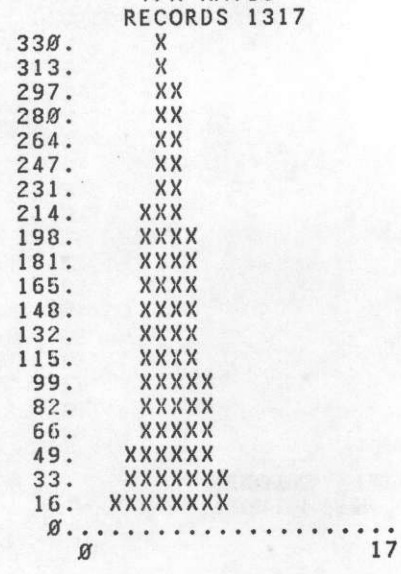
MEAN 1.9 SIGMA .7

U/T RATIO
RECORDS 1317



MEAN .4 SIGMA .2

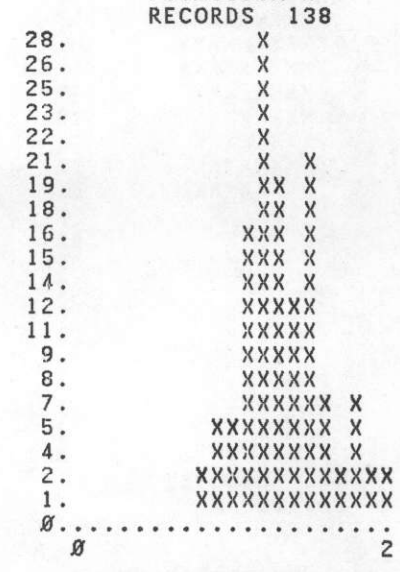
T/K RATIO
RECORDS 1317



MEAN 5.1 SIGMA 1.5

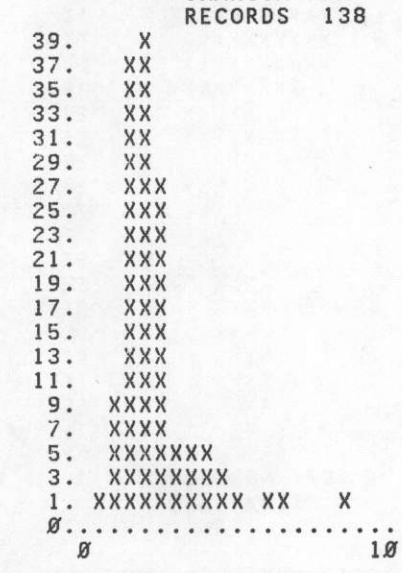
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT kqm

POTASSIUM %
RECORDS 138



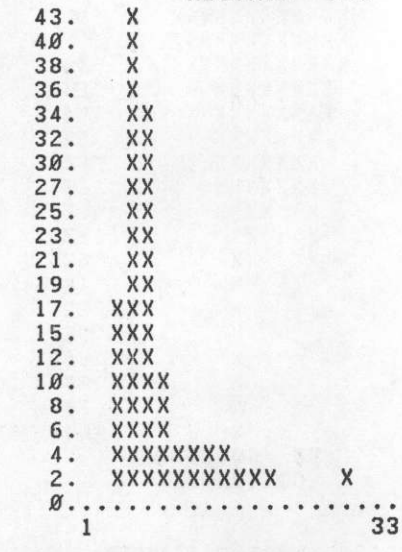
MEAN 1.4 SIGMA .3

URANIUM PPM
RECORDS 138



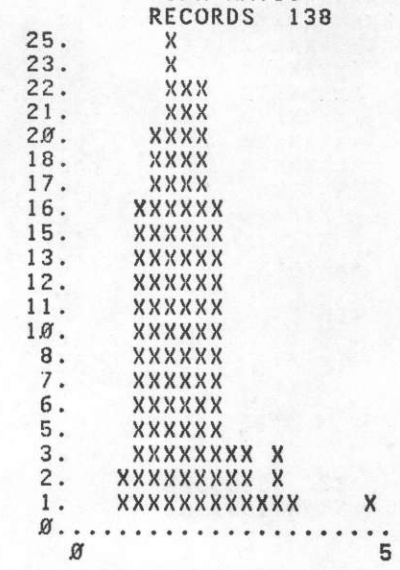
MEAN 2.5 SIGMA 1.3

THORIUM PPM
RECORDS 138



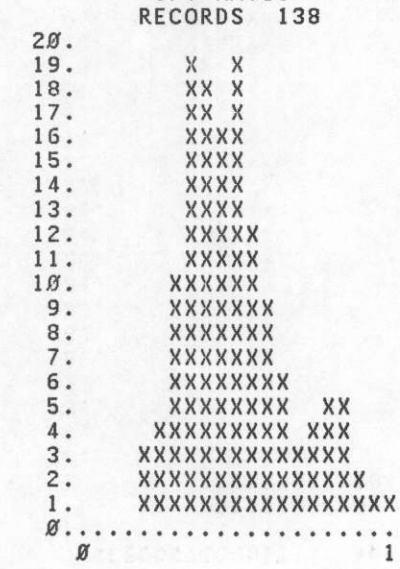
MEAN 8.3 SIGMA 5.1

U/K RATIO
RECORDS 138



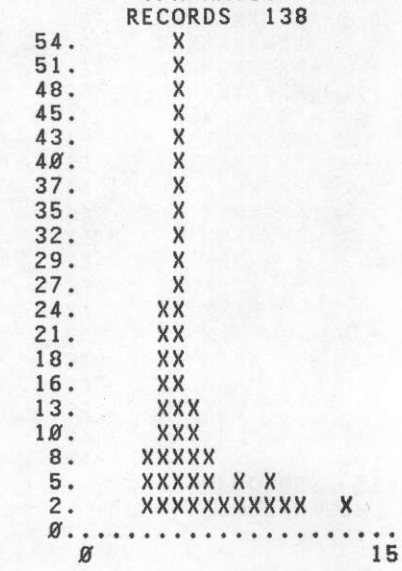
MEAN 1.7 SIGMA .6

U/T RATIO
RECORDS 138



MEAN .3 SIGMA .1

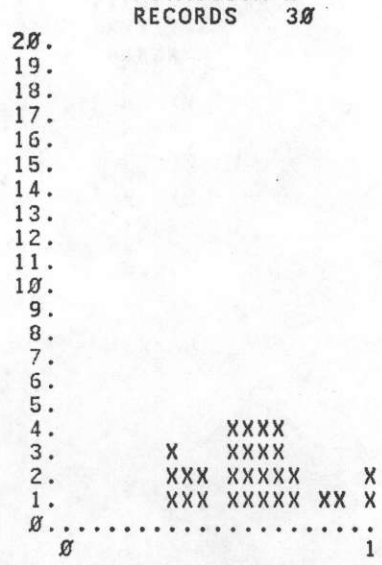
T/K RATIO
RECORDS 138



MEAN 5.6 SIGMA 2.4

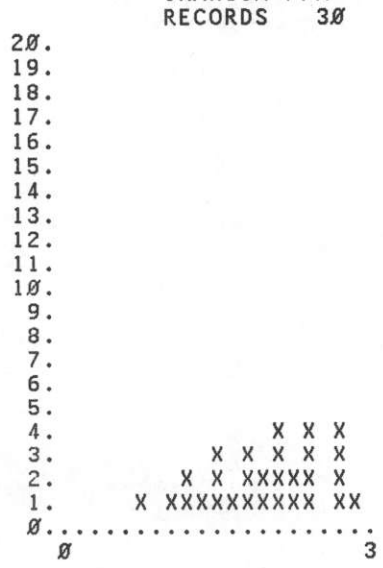
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT qd

POTASSIUM %
RECORDS 30



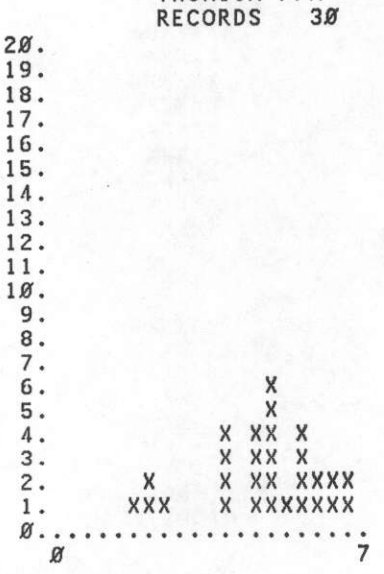
MEAN .9 SIGMA .3

URANIUM PPM
RECORDS 30



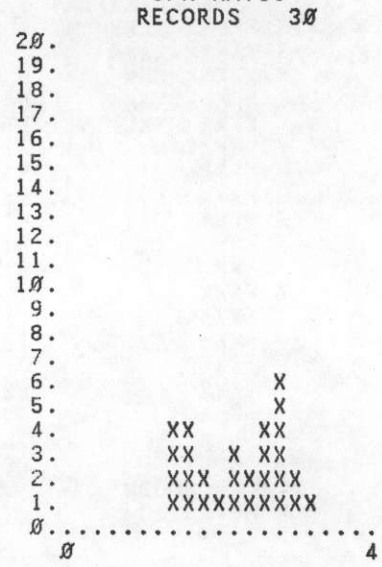
MEAN 2.3 SIGMA .6

THORIUM PPM
RECORDS 30



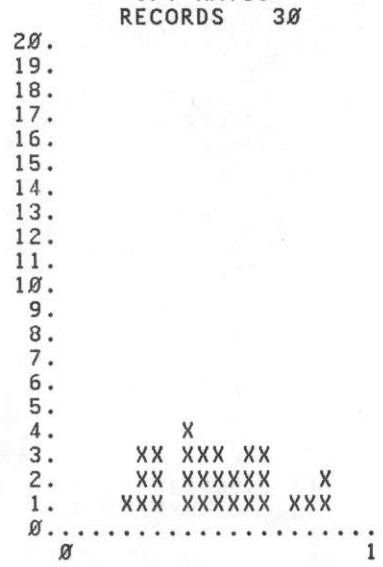
MEAN 5.1 SIGMA 1.4

U/K RATIO
RECORDS 30



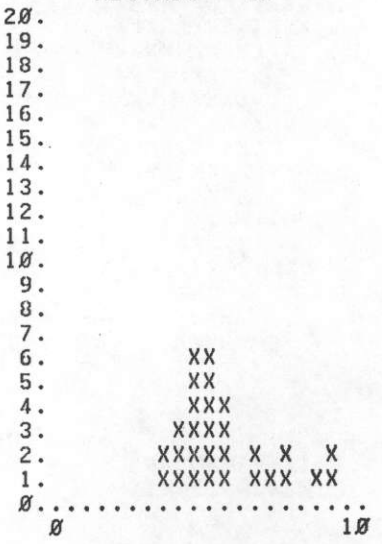
MEAN 2.6 SIGMA .7

U/T RATIO
RECORDS 30



MEAN .5 SIGMA .2

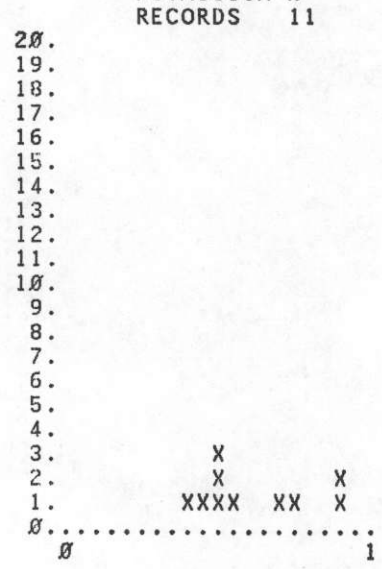
T/K RATIO
RECORDS 30



MEAN 5.7 SIGMA 1.7

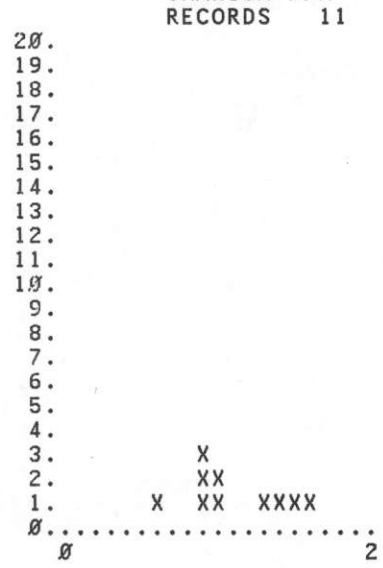
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT Dga

POTASSIUM %
RECORDS 11



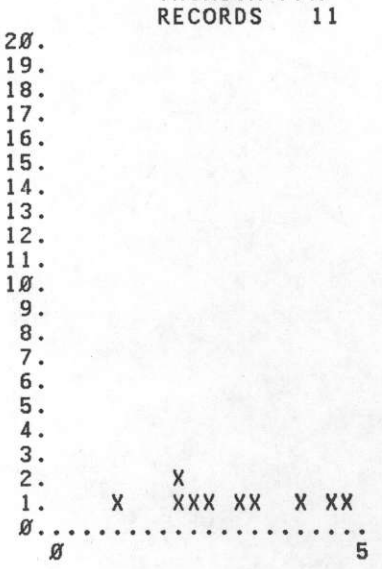
MEAN .7 SIGMA .2

URANIUM PPM
RECORDS 11



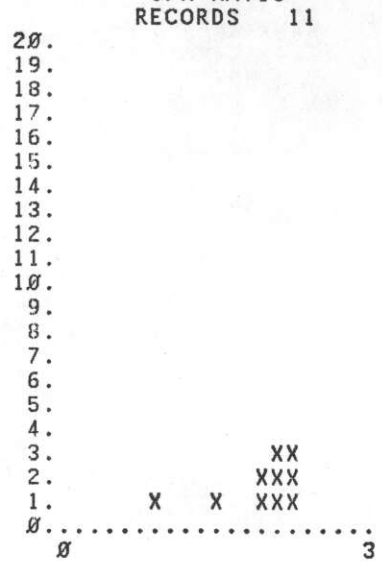
MEAN 1.5 SIGMA .5

THORIUM PPM
RECORDS 11



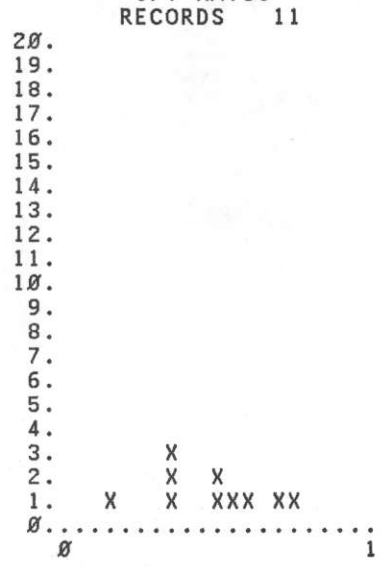
MEAN 3.2 SIGMA 1.3

U/K RATIO
RECORDS 11



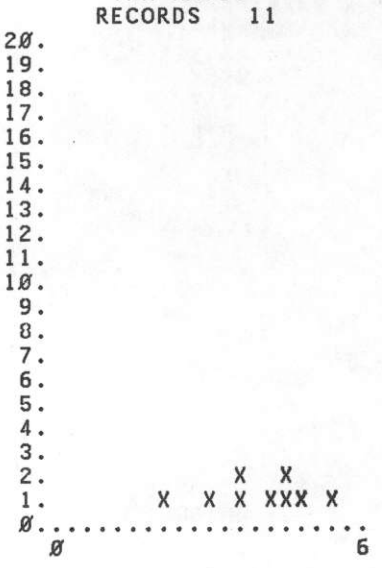
MEAN 2.1 SIGMA .5

U/T RATIO
RECORDS 11



MEAN .5 SIGMA .2

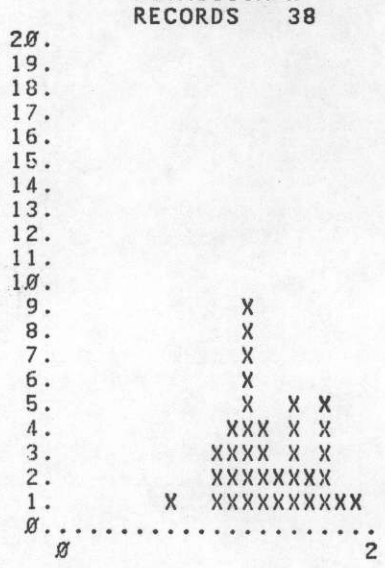
T/K RATIO
RECORDS 11



MEAN 4.4 SIGMA 1.2

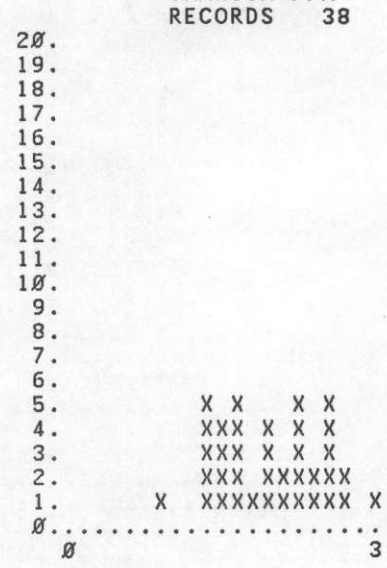
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT ols

POTASSIUM %
RECORDS 38



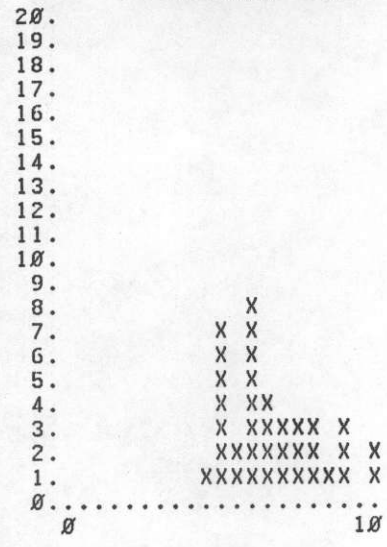
MEAN 1.3 SIGMA .3

URANIUM PPM
RECORDS 38



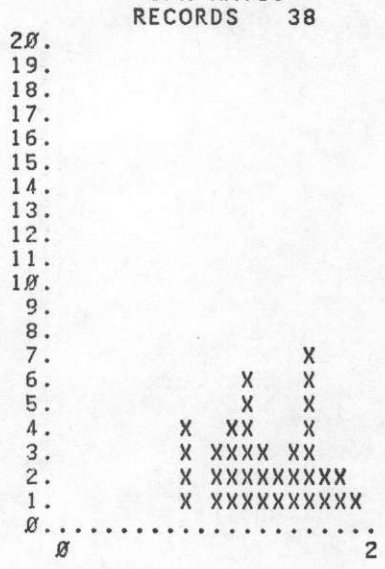
MEAN 1.9 SIGMA .5

THORIUM PPM
RECORDS 38



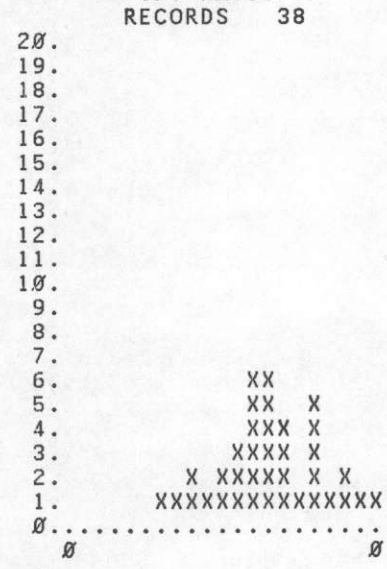
MEAN 7.0 SIGMA 1.6

U/K RATIO
RECORDS 38



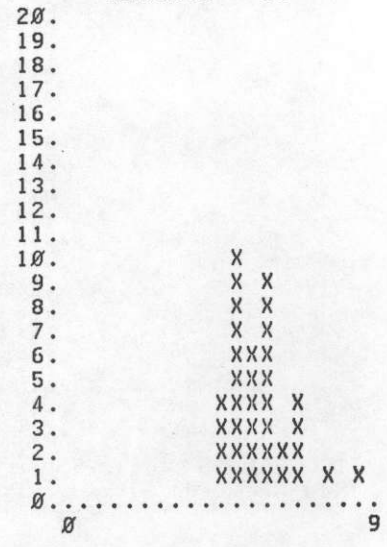
MEAN 1.5 SIGMA .4

U/T RATIO
RECORDS 38



MEAN .3 SIGMA .1

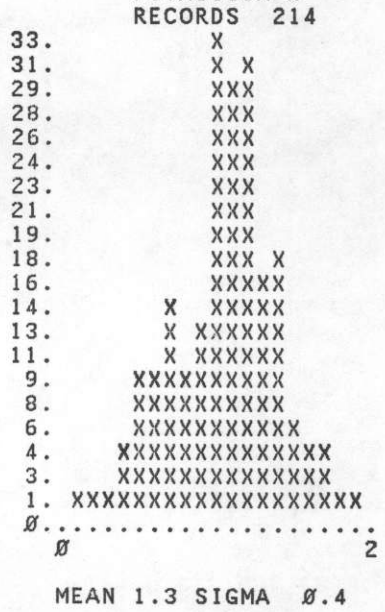
T/K RATIO
RECORDS 38



MEAN 5.6 SIGMA 1.0

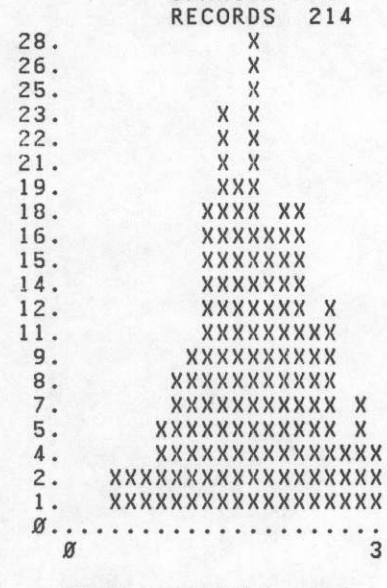
MAINE SURVEY 1980,LEWISTON QUAD, NL19-10
GEOLOGIC UNIT ol

POTASSIUM %
RECORDS 214



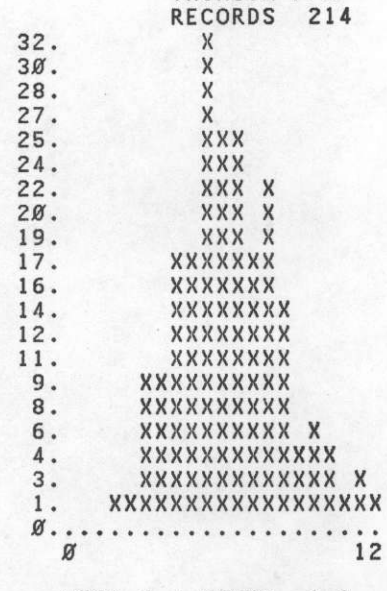
MEAN 1.3 SIGMA .4

URANIUM PPM
RECORDS 214



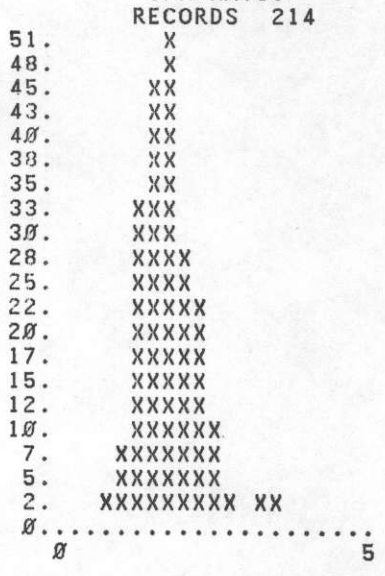
MEAN 2.1 SIGMA .6

THORIUM PPM
RECORDS 214



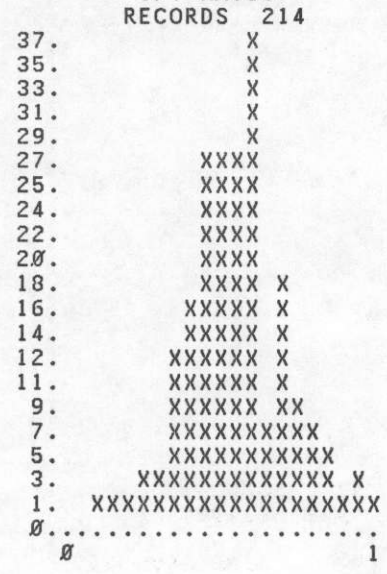
MEAN 6.4 SIGMA 1.9

U/K RATIO
RECORDS 214



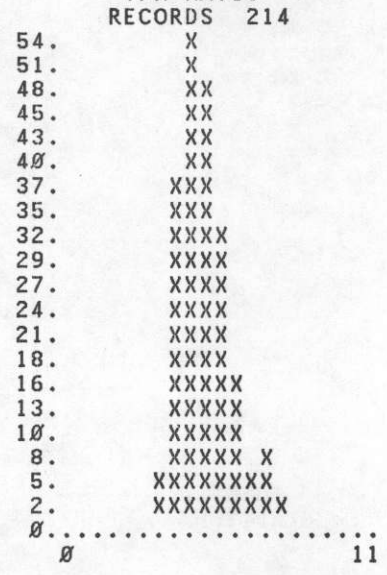
MEAN 1.7 SIGMA .5

U/T RATIO
RECORDS 214



MEAN .3 SIGMA .1

T/K RATIO
RECORDS 214



MEAN 5.0 SIGMA 1.0

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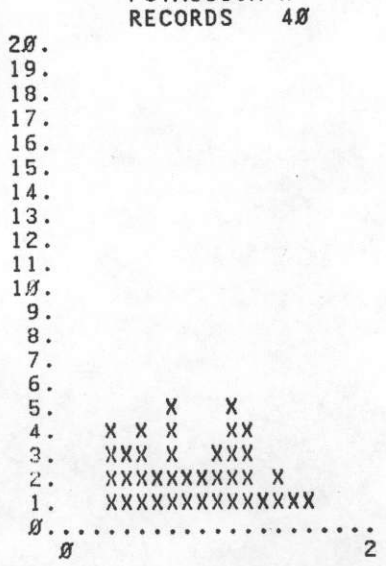
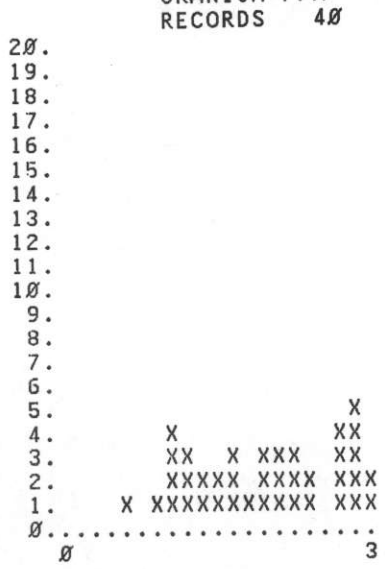
POTASSIUM %
RECORDS 40



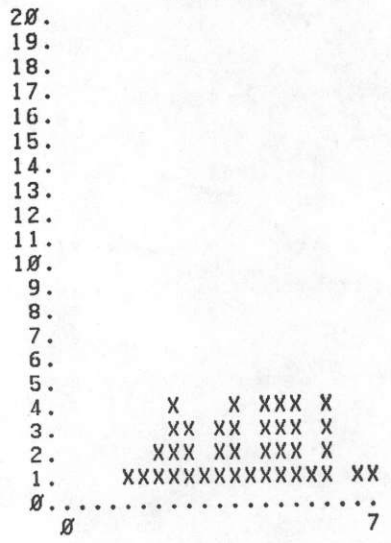
MEAN 0.9 SIGMA 0.4

URANIUM PPM
RECORDS 40



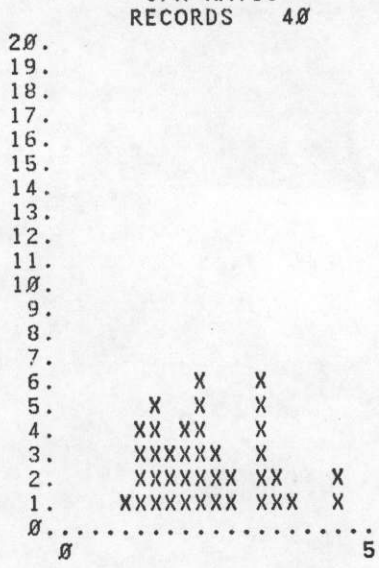
MEAN 1.8 SIGMA 0.6

THORIUM PPM
RECORDS 40



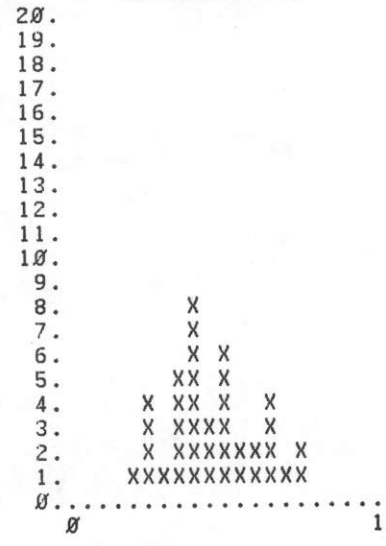
MEAN 4.2 SIGMA 1.4

U/K RATIO
RECORDS 40



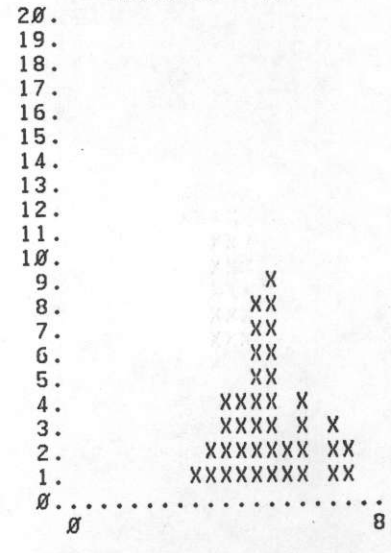
MEAN 2.4 SIGMA 0.9

U/T RATIO
RECORDS 40



MEAN 0.5 SIGMA 0.2

T/K RATIO
RECORDS 40



MEAN 5.1 SIGMA 1.1

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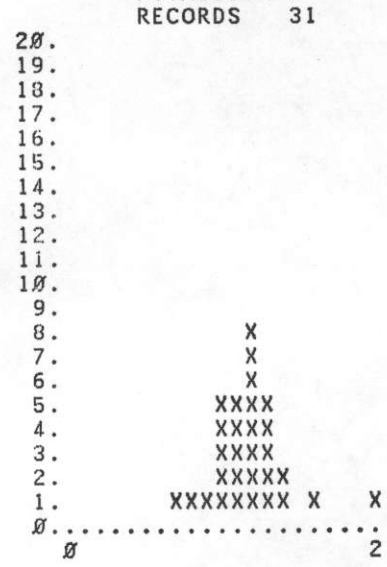
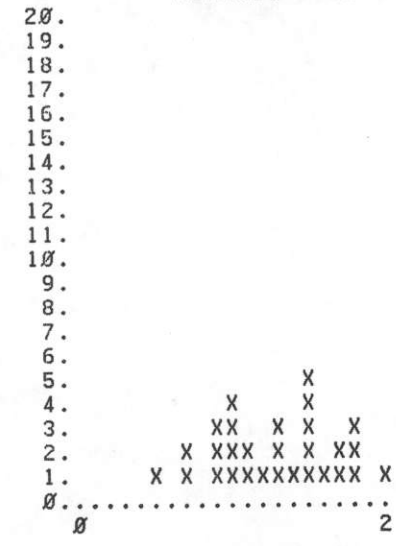
POTASSIUM %
RECORDS 31



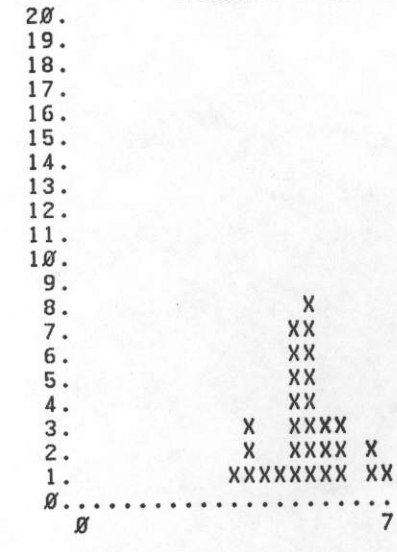
MEAN 1.0 SIGMA 0.2

URANIUM PPM
RECORDS 30



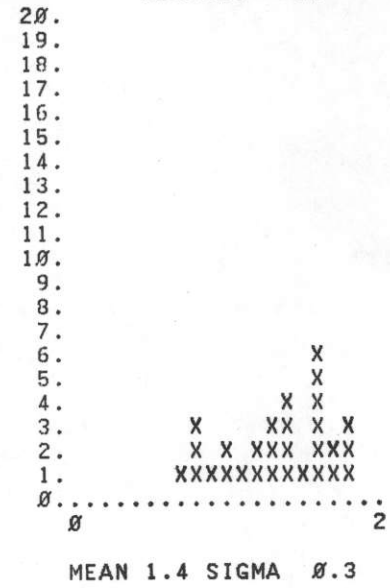
MEAN 1.4 SIGMA 0.4

THORIUM PPM
RECORDS 31



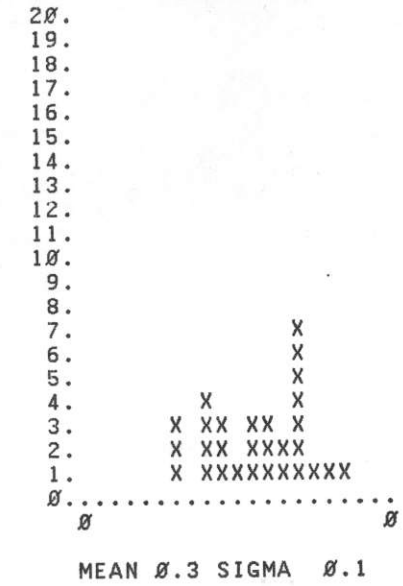
MEAN 5.2 SIGMA 0.8

U/K RATIO
RECORDS 30



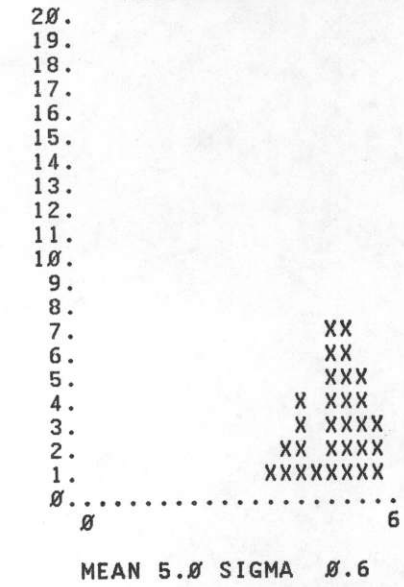
MEAN 1.4 SIGMA 0.3

U/T RATIO
RECORDS 30



MEAN 0.3 SIGMA 0.1

T/K RATIO
RECORDS 31



MEAN 5.0 SIGMA 0.6

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 370

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	13.0	0.7	0.2	1.2	0.4	3.9	1.0	1.6	0.5	0.3	0.1	5.3	0.8
301.	Dw	7.0	1.0	0.1	1.1	0.2	4.8	0.8	1.2	0.3	0.2	0.1	4.9	0.6
302.	Dg	64.0	0.7	0.2	1.2	0.4	4.0	0.9	1.7	0.5	0.3	0.1	5.5	0.8
305.	Dkm	4.0	0.5	0.1	1.6	0.4	2.5	0.4	3.0	0.9	0.7	0.2	4.6	0.6
306.	Dkf	10.0	0.6	0.1	1.6	0.2	3.1	0.5	2.7	0.5	0.5	0.2	5.1	0.7
318.	Dc	25.0	0.8	0.2	1.2	0.4	4.1	1.0	1.6	0.3	0.3	0.1	5.2	0.6
324.	Sm	5.0	1.0	0.1	1.4	0.4	4.4	0.5	1.5	0.3	0.3	0.1	4.5	0.7
326.	Sp	37.0	1.1	0.3	1.8	0.5	5.5	1.4	1.6	0.2	0.3	0.1	4.9	0.6
335.	Oq	28.0	0.7	0.2	1.4	0.3	4.0	1.1	2.0	0.4	0.4	0.1	5.6	1.2
336.	Od	7.0	0.7	0.2	1.3	0.3	3.5	0.6	1.9	0.5	0.4	0.1	4.8	0.9
339.	Oal	34.0	0.8	0.2	1.4	0.4	4.0	0.9	1.9	0.5	0.4	0.1	5.1	0.6
340.	COa	20.0	0.9	0.1	1.4	0.4	4.6	0.8	1.6	0.5	0.3	0.1	5.2	0.7
341.	COag	10.0	0.9	0.1	1.6	0.2	4.5	0.7	1.9	0.3	0.4	0.1	5.2	0.6
357.	big	109.0	0.9	0.2	1.4	0.5	4.8	1.6	1.6	0.5	0.3	0.1	5.7	2.9
367.	h	11.0	1.0	0.1	1.4	0.4	5.4	0.6	1.3	0.4	0.2	0.1	5.2	0.4

SUMMARY OF GEOLOGIC UNITS BY LINE 390

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	41.0	0.9	0.2	1.9	0.5	5.2	1.7	2.1	0.5	0.4	0.1	5.5	0.7
301.	Dw	8.0	0.9	0.1	2.0	0.2	4.7	0.8	2.2	0.4	0.4	0.1	5.2	0.8
302.	Dg	56.0	0.8	0.2	1.3	0.4	3.8	1.0	1.7	0.5	0.4	0.2	5.0	0.9
305.	Dkm	6.0	0.5	0.1	1.3	0.4	3.6	0.5	2.7	1.0	0.4	0.1	7.1	1.3
306.	Dkf	5.0	0.6	0.1	1.4	0.2	3.5	0.5	2.2	0.2	0.4	0.1	5.5	0.9
316.	Ds	15.0	0.9	0.1	2.1	0.3	4.6	0.8	2.4	0.3	0.5	0.1	5.2	0.7
318.	Dc	13.0	1.0	0.1	2.0	0.4	7.1	1.1	2.0	0.6	0.3	0.1	7.2	1.2
324.	Sm	11.0	0.9	0.1	1.9	0.5	5.0	0.8	2.2	0.8	0.4	0.2	5.5	0.4
325.	Ss	19.0	1.0	0.1	2.2	0.3	5.0	0.6	2.2	0.3	0.4	0.1	5.1	0.7
326.	Sp	13.0	0.9	0.1	2.0	0.4	4.4	0.7	2.2	0.5	0.5	0.1	4.7	0.5
328.	Sr	7.0	0.9	0.2	1.5	0.5	4.4	0.4	1.6	0.5	0.3	0.1	4.9	0.9
330.	Srb	14.0	0.8	0.2	1.6	0.7	3.9	1.1	1.8	0.5	0.4	0.1	4.6	0.5
335.	Oq	11.0	1.0	0.1	1.7	0.4	4.9	0.4	1.8	0.4	0.4	0.1	5.1	0.4
336.	Od	18.0	1.0	0.2	1.9	0.6	4.7	0.9	1.9	0.4	0.4	0.1	4.9	0.7
339.	Oal	18.0	0.8	0.1	1.1	0.3	4.8	0.7	1.3	0.4	0.2	0.1	5.9	0.6
340.	COa	11.0	1.1	0.2	1.7	0.5	5.3	1.2	1.5	0.4	0.3	0.1	4.9	1.1
341.	COag	10.0	0.7	0.2	1.2	0.5	3.8	0.8	1.7	0.5	0.3	0.3	5.4	1.3
353.	sy	8.0	1.9	0.3	3.3	1.4	18.3	5.3	1.7	0.6	0.2	0.0	9.4	1.8
357.	big	67.0	1.1	0.4	1.8	0.8	4.3	1.6	1.8	0.9	0.5	0.2	4.2	0.7

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 410

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	83.0	1.0	0.3	2.0	0.6	4.9	1.5	2.0	0.6	0.4	0.1	4.7	1.1
302.	Dg	37.0	0.9	0.2	1.7	0.3	4.6	0.9	1.9	0.4	0.4	0.1	5.1	0.9
315.	Dr	4.0	1.3	0.1	1.9	0.5	4.8	0.7	1.6	0.4	0.4	0.2	3.8	0.5
316.	Ds	20.0	0.8	0.1	1.7	0.3	4.4	0.8	2.1	0.4	0.4	0.1	5.3	0.7
324.	Sm	7.0	1.0	0.2	2.0	0.5	4.6	0.6	2.0	0.2	0.4	0.1	4.8	1.0
325.	Ss	27.0	1.2	0.1	2.1	0.5	4.3	0.6	1.8	0.4	0.5	0.2	3.8	0.6
326.	Sp	15.0	1.0	0.1	1.9	0.4	4.9	0.5	1.9	0.3	0.4	0.1	4.9	0.4
328.	Sr	10.0	1.0	0.2	2.4	0.9	5.0	0.9	2.5	0.8	0.5	0.2	5.1	0.8
330.	Srb	13.0	1.1	0.1	2.0	0.2	4.8	0.7	1.9	0.3	0.4	0.1	4.6	0.9
335.	Oq	10.0	1.2	0.2	2.5	0.5	5.3	0.9	2.2	0.5	0.5	0.1	4.6	0.8
339.	Oal	44.0	0.9	0.3	1.6	0.5	4.5	1.1	1.9	0.6	0.4	0.1	5.1	0.8
347.	cg	8.0	1.6	0.2	2.2	0.5	12.1	2.3	1.4	0.2	0.2	0.0	7.5	0.9
352.	qs	8.0	1.1	0.1	1.8	0.3	7.3	1.1	1.6	0.2	0.3	0.0	6.5	0.7
357.	big	77.0	1.1	0.2	2.1	0.7	4.8	1.8	1.9	0.5	0.5	0.2	4.4	1.2
360.	qd	5.0	1.3	0.2	2.4	0.7	6.0	1.0	1.8	0.3	0.4	0.1	4.7	0.8

SUMMARY OF GEOLOGIC UNITS BY LINE 430

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	49.0	0.8	0.4	1.5	0.7	4.3	2.4	2.0	0.7	0.4	0.2	5.4	1.3
301.	Dw	14.0	0.7	0.2	1.7	0.4	2.1	0.6	2.5	0.6	0.8	0.2	3.1	0.8
302.	Dg	23.0	0.6	0.1	1.0	0.3	3.0	0.5	1.6	0.5	0.3	0.1	4.8	0.6
311.	DSb	5.0	0.9	0.1	1.7	0.1	5.2	0.6	1.8	0.2	0.3	0.0	5.4	0.6
315.	Dr	23.0	1.0	0.1	1.7	0.4	4.5	0.8	1.7	0.4	0.4	0.1	4.3	0.9
316.	Ds	29.0	1.0	0.2	1.5	0.4	4.8	0.8	1.6	0.4	0.3	0.1	4.9	0.7
317.	Dh	5.0	1.2	0.1	2.1	0.1	4.5	1.4	1.7	0.1	0.5	0.1	3.8	1.2
323.	Ssm	14.0	1.3	0.3	1.9	0.5	5.6	0.9	1.5	0.4	0.3	0.1	4.3	0.4
324.	Sm	7.0	1.0	0.1	1.6	0.1	4.4	0.5	1.7	0.2	0.4	0.1	4.6	0.6
326.	Sp	25.0	1.0	0.2	1.6	0.4	4.9	0.8	1.6	0.3	0.3	0.1	4.9	0.7
336.	Od	15.0	1.0	0.2	2.1	0.6	7.0	2.0	2.0	0.5	0.3	0.0	6.7	1.4
339.	Oal	57.0	1.0	0.3	1.8	0.7	6.1	2.5	1.9	0.5	0.3	0.1	6.0	1.2
347.	cg	10.0	1.3	0.2	2.8	0.6	12.5	3.1	2.2	0.6	0.2	0.0	9.8	2.2
357.	big	121.0	1.1	0.3	1.9	0.6	5.2	2.1	1.7	0.4	0.4	0.2	4.6	1.1
360.	qd	10.0	0.7	0.2	1.8	0.5	5.0	2.0	2.6	0.6	0.4	0.2	7.0	2.2

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 450

			* * * K * * *		* * * U * * *		* * * T * * *		* * U/K * *		* * U/T * *		* * T/K * *	
CODE	UNIT	RECS	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.
101.	Q	69.0	1.0	0.4	1.7	0.6	5.3	2.0	1.6	0.4	0.3	0.1	5.2	1.2
301.	Dw	20.0	0.8	0.2	1.6	0.4	3.0	0.8	2.0	0.5	0.6	0.3	3.9	0.9
302.	Dg	41.0	0.9	0.1	1.3	0.4	4.0	0.7	1.5	0.5	0.3	0.1	4.6	0.8
308.	Dl	11.0	1.1	0.1	1.9	0.3	5.1	0.7	1.8	0.3	0.4	0.1	4.8	0.6
309.	Dlv	8.0	0.7	0.1	1.6	0.3	3.9	1.1	2.2	0.6	0.4	0.1	5.2	0.7
314.	Dbh	5.0	1.2	0.1	2.2	0.3	5.4	0.7	1.8	0.2	0.4	0.1	4.4	0.6
315.	Dr	31.0	1.2	0.2	1.8	0.4	5.6	1.0	1.4	0.3	0.3	0.1	4.5	0.4
316.	Ds	15.0	1.2	0.1	1.7	0.4	5.0	0.6	1.4	0.3	0.3	0.1	4.2	0.5
320.	DSc	6.0	1.1	0.2	1.7	0.3	6.0	1.0	1.5	0.4	0.3	0.1	5.2	0.3
323.	Ssm	17.0	1.2	0.2	2.0	0.3	4.9	0.7	1.7	0.3	0.4	0.1	4.1	0.5
326.	Sp	17.0	1.0	0.2	1.6	0.5	4.6	0.8	1.7	0.4	0.4	0.1	4.8	0.8
334.	SOq	35.0	0.8	0.2	1.2	0.4	4.2	0.9	1.6	0.6	0.3	0.1	5.5	0.9
336.	Od	7.0	0.9	0.1	1.2	0.4	5.4	1.0	1.2	0.4	0.2	0.1	5.7	0.5
339.	Oal	89.0	0.9	0.2	1.6	0.4	5.2	1.5	1.8	0.4	0.3	0.1	5.7	1.1
357.	big	74.0	1.0	0.2	1.7	0.5	4.6	1.0	1.7	0.3	0.4	0.1	4.6	0.9
366.	Dgn	5.0	0.5	0.1	0.9	0.2	2.4	0.3	2.1	0.7	0.4	0.1	5.5	1.6

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 470

			* * * K * * *		* * * U * * *		* * * T * * *		* * U/K * *		* * U/T * *		* * T/K * *	
CODE	UNIT	RECS	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.	MEAN	ST.DEV.
101.	Q	41.0	0.9	0.2	1.6	0.5	4.9	1.3	1.8	0.8	0.3	0.2	5.4	1.0
301.	Dw	7.0	0.7	0.2	2.0	0.4	3.9	0.5	2.8	0.6	0.5	0.1	5.7	1.1
302.	Dg	19.0	0.7	0.1	1.8	0.2	3.9	1.1	2.6	0.5	0.5	0.1	5.4	0.8
307.	Dlg	5.0	1.3	0.2	2.3	0.8	8.0	4.6	1.8	0.4	0.3	0.1	6.1	2.7
308.	Dl	28.0	1.3	0.2	2.5	0.7	6.2	2.1	2.0	0.5	0.4	0.2	4.8	1.0
315.	Dr	25.0	1.1	0.1	2.0	0.2	5.9	0.8	1.7	0.3	0.3	0.1	5.1	0.5
317.	Dh	4.0	1.2	0.1	2.0	0.1	6.1	0.6	1.7	0.2	0.3	0.0	5.1	0.2
322.	Scq	6.0	0.9	0.1	1.3	0.6	5.6	1.1	1.4	0.6	0.2	0.1	5.8	0.6
323.	Ssm	22.0	1.2	0.1	2.0	0.3	4.8	0.8	1.7	0.2	0.4	0.1	4.1	0.5
326.	Sp	22.0	1.1	0.1	2.0	0.3	5.2	1.0	1.9	0.4	0.4	0.1	4.7	0.6
333.	SOm	4.0	1.0	0.1	1.5	0.4	4.7	0.1	1.5	0.3	0.3	0.1	4.8	0.3
339.	Oal	28.0	0.8	0.1	1.5	0.2	4.1	0.5	1.7	0.3	0.4	0.1	4.8	0.6
344.	Oa	13.0	0.7	0.1	1.4	0.2	4.6	0.8	1.9	0.4	0.3	0.1	6.3	0.9
347.	cg	27.0	1.7	0.2	3.9	1.3	16.6	5.1	2.3	0.7	0.2	0.0	9.7	2.6
353.	sy	14.0	1.8	0.3	2.0	0.5	7.5	1.2	1.1	0.2	0.3	0.1	4.2	0.5
357.	big	75.0	1.1	0.2	2.0	0.5	5.0	1.3	1.8	0.3	0.4	0.2	4.6	1.1
362.	Dga	6.0	0.7	0.3	1.6	0.6	2.8	1.5	2.2	0.1	0.6	0.2	3.6	0.8
365.	ol	34.0	0.8	0.2	1.5	0.4	4.6	1.3	2.0	0.7	0.3	0.1	6.2	1.2
367.	h	10.0	1.1	0.4	1.6	0.5	5.0	1.1	1.4	0.4	0.3	0.1	4.7	0.7

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 490

CODE	UNIT	RECS	*** K *** MEAN	*** K *** ST.DEV.	*** U *** MEAN	*** U *** ST.DEV.	*** T *** MEAN	*** T *** ST.DEV.	** U/K ** MEAN	** U/K ** ST.DEV.	** U/T ** MEAN	** U/T ** ST.DEV.	** T/K ** MEAN	** T/K ** ST.DEV.
101.	Q	52.0	0.9	0.2	1.6	0.5	4.7	1.5	1.7	0.5	0.3	0.1	5.0	0.9
302.	Dg	14.0	0.8	0.1	1.6	0.5	4.2	0.6	1.9	0.6	0.4	0.1	5.1	1.0
307.	Dlg	119.0	1.1	0.2	2.1	0.5	5.5	1.1	1.9	0.4	0.4	0.1	4.9	0.8
308.	Dl	27.0	1.1	0.2	2.0	0.5	6.6	1.2	1.8	0.4	0.3	0.1	6.0	0.8
316.	Ds	8.0	1.2	0.1	2.2	0.5	5.1	0.6	1.9	0.3	0.4	0.1	4.3	0.3
321.	Sa	7.0	0.9	0.1	1.9	0.2	5.1	0.8	2.1	0.3	0.4	0.1	5.7	1.0
323.	Ssm	8.0	1.2	0.3	2.1	0.3	5.0	0.7	1.8	0.5	0.4	0.1	4.2	0.6
326.	Sp	18.0	1.2	0.1	2.1	0.4	5.5	0.6	1.8	0.3	0.4	0.1	4.7	0.6
327.	Ssl	4.0	1.1	0.1	2.0	0.2	5.6	0.4	1.9	0.2	0.3	0.0	5.3	0.2
333.	SOm	8.0	0.8	0.2	1.6	0.5	4.3	1.4	2.0	0.5	0.4	0.1	5.4	0.4
334.	SOq	7.0	0.8	0.2	1.7	0.7	4.0	1.2	2.0	0.6	0.4	0.2	4.7	0.8
339.	Oal	38.0	1.0	0.2	1.5	0.4	4.6	0.9	1.6	0.4	0.3	0.1	4.8	0.6
344.	Oa	11.0	1.1	0.4	2.0	0.5	5.9	1.6	2.0	0.7	0.4	0.1	5.4	0.8
349.	hg	4.0	1.4	0.2	1.3	0.5	9.3	0.8	0.9	0.3	0.1	0.0	6.5	0.8
352.	qs	6.0	1.2	0.3	1.5	0.8	7.4	3.1	1.2	0.4	0.2	0.0	6.0	1.5
354.	qm	14.0	1.0	0.2	1.3	0.3	5.1	1.3	1.3	0.5	0.3	0.1	5.1	0.5
357.	big	6.0	0.9	0.1	1.4	0.3	4.9	0.6	1.6	0.4	0.3	0.1	5.6	0.5
363.	ols	19.0	1.1	0.2	1.7	0.4	6.3	1.3	1.5	0.4	0.3	0.1	5.7	1.2
365.	ol	18.0	1.5	0.2	2.2	0.8	8.7	1.6	1.5	0.5	0.3	0.1	5.8	1.0
366.	Dgn	6.0	0.8	0.1	1.1	0.2	4.2	0.7	1.4	0.1	0.3	0.0	5.1	0.5
367.	h	9.0	1.0	0.1	1.3	0.3	5.0	0.7	1.4	0.3	0.3	0.1	5.1	0.6

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 510

CODE	UNIT	RECS	*** K *** MEAN	*** K *** ST.DEV.	*** U *** MEAN	*** U *** ST.DEV.	*** T *** MEAN	*** T *** ST.DEV.	** U/K ** MEAN	** U/K ** ST.DEV.	** U/T ** MEAN	** U/T ** ST.DEV.	** T/K ** MEAN	** T/K ** ST.DEV.
101.	Q	47.0	1.1	0.4	1.9	0.6	5.0	1.5	1.9	0.6	0.4	0.1	4.8	1.0
307.	Dlg	64.0	1.3	0.2	2.4	0.5	6.3	1.0	1.9	0.4	0.4	0.1	4.9	0.8
308.	Dl	20.0	1.5	0.3	2.5	0.4	6.9	1.5	1.8	0.4	0.4	0.1	4.8	0.7
321.	Sa	56.0	1.2	0.2	2.3	0.5	5.8	1.1	1.9	0.4	0.4	0.1	4.7	0.6
322.	Scq	18.0	1.0	0.3	2.3	0.4	4.8	1.3	2.5	0.5	0.5	0.1	5.0	0.8
323.	Ssm	12.0	1.2	0.1	2.0	0.3	6.1	0.8	1.7	0.3	0.3	0.1	5.3	0.7
327.	Ssl	5.0	1.3	0.2	2.1	0.5	6.2	1.7	1.6	0.3	0.4	0.1	4.7	1.1
339.	Oal	34.0	0.9	0.2	1.8	0.4	4.6	1.0	2.1	0.6	0.4	0.1	5.2	0.6
344.	Oa	21.0	1.1	0.2	2.0	0.4	5.3	0.9	1.8	0.4	0.4	0.1	4.9	0.6
357.	big	64.0	1.1	0.3	2.1	0.4	6.1	1.7	1.9	0.4	0.4	0.1	5.3	0.6
365.	ol	48.0	1.4	0.4	2.2	0.7	6.3	1.8	1.6	0.5	0.4	0.1	4.7	0.8
366.	Dgn	10.0	0.8	0.3	2.2	0.4	4.0	1.4	2.9	0.8	0.6	0.2	5.0	0.6

SUMMARY OF GEOLOGIC UNITS BY LINE 530

CODE	UNIT	RECS	*** K *** MEAN	*** K *** ST.DEV.	*** U *** MEAN	*** U *** ST.DEV.	*** T *** MEAN	*** T *** ST.DEV.	** U/K ** MEAN	** U/K ** ST.DEV.	** U/T ** MEAN	** U/T ** ST.DEV.	** T/K ** MEAN	** T/K ** ST.DEV.
101.	Q	52.0	1.0	0.3	2.0	0.5	4.7	1.4	2.2	0.8	0.5	0.2	4.7	0.9
307.	Dlg	92.0	1.5	0.2	2.7	0.6	6.5	1.3	1.8	0.3	0.4	0.1	4.4	0.8
308.	Dl	30.0	1.5	0.5	2.3	0.6	6.8	1.5	1.6	0.4	0.3	0.1	4.7	0.8
321.	Sa	50.0	1.2	0.2	2.3	0.6	6.0	1.2	1.9	0.4	0.4	0.1	4.9	0.8
322.	Scq	14.0	1.0	0.3	2.0	0.4	5.4	1.4	2.3	1.3	0.4	0.3	5.3	0.6
327.	Ssl	20.0	1.2	0.2	2.5	0.6	5.5	0.6	2.0	0.5	0.5	0.1	4.5	0.8
339.	Oal	11.0	1.1	0.2	2.1	0.3	5.7	1.0	1.9	0.3	0.4	0.1	5.1	0.4
344.	Oa	20.0	0.7	0.1	1.4	0.4	3.6	0.7	1.9	0.5	0.4	0.1	4.9	0.9
357.	big	70.0	1.3	0.3	2.5	0.5	6.4	1.2	1.9	0.4	0.4	0.1	5.0	1.0
365.	ol	67.0	1.4	0.2	2.2	0.5	6.4	1.3	1.6	0.3	0.3	0.1	4.6	0.7

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 550

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	38.0	1.3	0.3	2.3	0.9	5.7	1.5	1.9	0.5	0.4	0.1	4.6	0.7
307.	Dlg	57.0	1.3	0.2	2.5	0.5	5.9	1.1	1.9	0.4	0.4	0.1	4.4	0.5
308.	Dl	42.0	1.3	0.3	2.2	0.7	6.7	3.0	1.7	0.4	0.3	0.1	5.0	1.3
309.	Dlv	5.0	1.1	0.3	1.3	0.4	5.8	0.6	1.3	0.6	0.2	0.1	5.4	1.5
321.	Sa	32.0	1.4	0.3	3.1	0.9	5.8	1.3	2.3	0.5	0.5	0.2	4.3	0.7
322.	Scq	12.0	1.2	0.1	2.5	0.3	5.9	0.8	2.1	0.3	0.4	0.1	5.0	0.6
327.	Ssl	5.0	1.3	0.1	2.8	0.5	5.7	0.5	2.2	0.2	0.5	0.1	4.6	0.6
332.	Sc	4.0	1.0	0.3	2.3	0.9	4.8	1.3	2.2	0.6	0.5	0.2	4.7	0.8
338.	Op	7.0	1.1	0.2	2.5	0.3	5.3	1.0	2.4	0.6	0.5	0.1	4.9	0.5
344.	Oa	22.0	0.7	0.2	1.5	0.5	3.6	0.9	2.1	0.8	0.4	0.1	5.0	1.1
347.	cg	18.0	1.9	0.6	6.1	2.1	23.6	8.0	3.3	0.8	0.3	0.0	12.3	2.2
352.	qs	26.0	1.9	0.5	3.2	0.8	13.9	4.9	1.8	0.5	0.2	0.1	7.5	2.1
357.	big	115.0	1.4	0.3	2.9	1.0	7.9	3.3	2.1	0.6	0.4	0.2	5.4	1.2
359.	kqm	38.0	1.5	0.3	3.2	2.0	12.2	7.3	2.0	0.8	0.3	0.1	7.5	3.0

SUMMARY OF GEOLOGIC UNITS BY LINE 570

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	64.0	1.4	0.4	3.1	1.2	7.9	3.6	2.3	0.8	0.4	0.1	5.6	2.0
307.	Dlg	16.0	1.6	0.4	4.1	1.0	10.7	3.4	2.6	0.5	0.4	0.1	6.7	1.1
308.	Dl	8.0	1.0	0.1	1.5	0.4	4.4	0.9	1.5	0.5	0.3	0.1	4.5	0.6
313.	Dsg	18.0	1.0	0.2	2.3	0.5	4.8	1.2	2.4	0.3	0.5	0.1	4.9	0.7
321.	Sa	24.0	1.2	0.3	2.8	0.5	5.8	1.3	2.3	0.5	0.5	0.1	4.7	0.7
343.	Mm	11.0	1.9	0.1	4.0	0.5	15.6	1.5	2.1	0.3	0.3	0.0	8.4	0.9
344.	Oa	15.0	1.0	0.2	1.7	0.7	4.3	1.0	1.9	1.0	0.4	0.2	4.5	0.6
347.	cg	78.0	1.9	0.4	4.7	1.7	16.1	5.2	2.4	0.6	0.3	0.1	8.2	1.8
350.	mo	28.0	1.7	0.5	4.0	1.1	12.6	3.4	2.4	0.4	0.3	0.1	7.6	1.3
351.	gp	4.0	2.1	0.5	4.6	0.6	15.2	4.9	2.2	0.3	0.3	0.1	7.1	1.2
352.	qs	7.0	1.7	0.3	3.9	0.9	13.3	1.7	2.3	0.5	0.3	0.1	7.9	0.6
357.	big	130.0	1.5	0.4	3.2	0.9	8.9	3.0	2.2	0.6	0.4	0.1	5.9	1.2
359.	kqm	21.0	1.5	0.3	2.4	1.0	8.9	4.5	1.6	0.6	0.3	0.1	5.9	2.7

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 590

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	71.0	1.4	0.4	3.6	1.3	7.8	3.7	2.6	0.7	0.5	0.1	5.3	1.1
308.	Dl	37.0	1.5	0.4	2.8	1.1	8.2	3.5	1.9	0.4	0.3	0.1	5.4	0.9
313.	Dsg	10.0	1.3	0.2	2.7	0.5	7.3	1.4	2.1	0.3	0.4	0.1	5.5	0.6
343.	Mm	7.0	2.7	0.2	6.0	0.8	22.8	2.2	2.3	0.4	0.3	0.0	8.6	1.1
344.	Oa	7.0	0.9	0.4	1.3	0.7	5.1	2.3	1.4	0.5	0.3	0.1	5.4	0.9
347.	cg	64.0	1.9	0.4	4.8	1.3	15.2	4.1	2.5	0.6	0.3	0.1	7.9	1.9
350.	mo	36.0	2.0	0.3	4.1	1.1	13.3	2.6	2.1	0.5	0.3	0.1	6.8	0.7
352.	qs	9.0	2.4	0.2	4.3	0.7	16.4	2.6	1.8	0.3	0.3	0.0	6.8	0.6
357.	big	112.0	1.5	0.3	4.1	1.1	8.7	2.5	2.8	0.8	0.5	0.2	5.9	1.1
359.	kqm	26.0	1.4	0.3	2.5	0.7	6.7	2.7	1.8	0.4	0.4	0.1	4.7	1.0
365.	ol	13.0	1.6	0.6	2.1	0.8	8.6	2.8	1.2	0.2	0.2	0.1	5.3	0.5

SUMMARY OF GEOLOGIC UNITS BY LINE 950

CODE	UNIT	RECS	* * * K * * * MEAN	ST.DEV.	* * * U * * * MEAN	ST.DEV.	* * * T * * * MEAN	ST.DEV.	* * U/K * * MEAN	ST.DEV.	* * U/T * * MEAN	ST.DEV.	* * T/K * * MEAN	ST.DEV.
101.	Q	15.0	1.0	0.3	1.7	0.6	4.6	1.5	1.7	0.5	0.4	0.1	4.5	0.7
302.	Dg	26.0	0.9	0.1	1.8	0.4	4.0	0.5	2.0	0.5	0.4	0.1	4.4	0.5
309.	Dlv	4.0	1.5	0.2	1.9	0.4	6.4	0.6	1.3	0.3	0.3	0.1	4.2	0.2
339.	Oal	56.0	1.1	0.2	1.9	0.5	4.7	0.6	1.8	0.4	0.4	0.1	4.5	0.6
344.	Oa	22.0	1.2	0.2	2.0	0.4	5.6	1.2	1.7	0.4	0.4	0.1	4.5	0.7
357.	big	69.0	0.9	0.2	1.6	0.4	4.0	1.1	1.8	0.5	0.4	0.1	4.4	0.8
359.	kqm	53.0	1.3	0.2	2.1	0.5	6.2	1.4	1.6	0.4	0.3	0.1	4.6	0.7
365.	ol	21.0	1.4	0.1	2.0	0.3	6.4	1.4	1.5	0.3	0.3	0.1	4.6	0.7
366.	Dgn	5.0	1.1	0.1	2.2	0.3	5.2	0.7	2.0	0.2	0.4	0.1	4.6	0.5

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 960

CODE	UNIT	RECS	K MEAN	K ST.DEV.	U MEAN	U ST.DEV.	T MEAN	T ST.DEV.	U/K MEAN	U/K ST.DEV.	U/T MEAN	U/T ST.DEV.	T/K MEAN	T/K ST.DEV.
101.	Q	4.0	1.4	0.5	2.4	0.1	6.6	1.9	1.9	0.8	0.4	0.2	4.8	1.0
302.	Dg	25.0	0.8	0.1	1.4	0.3	3.9	0.8	1.9	0.6	0.4	0.1	5.1	0.8
305.	Dkm	14.0	0.7	0.1	1.5	0.4	3.7	0.4	2.3	0.7	0.4	0.1	5.6	0.8
307.	Dlg	46.0	1.4	0.3	3.0	1.5	7.2	2.9	2.1	0.7	0.4	0.1	5.0	1.2
339.	Oal	28.0	0.9	0.3	2.1	0.9	6.3	4.2	2.3	0.5	0.4	0.1	6.3	1.6
347.	cg	49.0	1.9	0.3	4.7	1.1	18.1	5.3	2.5	0.5	0.3	0.1	9.5	2.4
348.	rg	13.0	1.6	0.4	4.0	2.3	12.8	5.2	2.3	1.0	0.3	0.1	7.7	2.0
350.	mo	13.0	2.0	0.3	5.5	1.3	15.1	3.6	2.8	0.4	0.4	0.0	7.6	1.1
352.	qs	14.0	1.3	0.3	1.7	0.7	8.4	2.8	1.4	0.4	0.2	0.0	6.5	1.0
357.	big	44.0	1.4	0.3	2.0	0.5	8.1	1.9	1.4	0.4	0.3	0.1	5.6	0.8
363.	ols	19.0	1.4	0.2	2.1	0.4	7.7	1.5	1.6	0.4	0.3	0.1	5.6	0.7
365.	ol	13.0	1.3	0.2	2.4	0.4	5.9	1.3	1.8	0.3	0.4	0.1	4.4	0.6

SUMMARY OF GEOLOGIC UNITS BY LINE 965

CODE	UNIT	RECS	K MEAN	K ST.DEV.	U MEAN	U ST.DEV.	T MEAN	T ST.DEV.	U/K MEAN	U/K ST.DEV.	U/T MEAN	U/T ST.DEV.	T/K MEAN	T/K ST.DEV.
302.	Dg	8.0	0.6	0.1	1.0	0.2	3.8	0.5	1.7	0.3	0.3	0.1	6.5	1.1

SUMMARY OF GEOLOGIC UNITS BY LINE 970

CODE	UNIT	RECS	K MEAN	K ST.DEV.	U MEAN	U ST.DEV.	T MEAN	T ST.DEV.	U/K MEAN	U/K ST.DEV.	U/T MEAN	U/T ST.DEV.	T/K MEAN	T/K ST.DEV.
101.	Q	17.0	1.7	0.6	4.2	1.3	11.6	5.8	2.6	0.6	0.4	0.1	6.7	1.8
307.	Dlg	85.0	1.3	0.3	2.8	0.6	6.8	1.5	2.2	0.4	0.4	0.1	5.3	0.9
308.	Dl	9.0	1.1	0.4	2.2	0.5	5.9	1.7	2.1	0.3	0.4	0.1	5.6	0.7
309.	Dlv	5.0	0.9	0.1	1.7	0.4	5.7	1.2	1.9	0.6	0.3	0.1	6.1	0.4
323.	Ssm	5.0	1.4	0.3	2.9	0.6	6.9	0.8	2.1	0.1	0.4	0.1	5.1	0.8
339.	Oal	9.0	1.0	0.2	2.3	0.5	4.8	0.8	2.2	0.2	0.5	0.1	4.7	0.9
341.	COag	7.0	1.0	0.2	2.1	0.2	5.1	0.8	2.1	0.3	0.4	0.0	5.0	0.5
344.	Oa	14.0	0.8	0.4	1.9	0.6	4.6	1.4	2.7	1.3	0.4	0.1	6.4	2.5
357.	big	67.0	1.3	0.4	2.8	1.0	5.7	2.4	2.3	0.9	0.6	0.3	4.4	1.1
360.	qd	15.0	0.9	0.2	2.6	0.4	4.8	0.9	2.9	0.7	0.6	0.2	5.2	0.8
366.	Dgn	14.0	1.0	0.5	2.1	0.5	4.6	1.6	2.6	1.0	0.5	0.1	5.3	1.4

MAINE SURVEY 1980,LEWISTON QUAD, NL19-10

SUMMARY OF GEOLOGIC UNITS BY LINE 980

CODE	UNIT	RECS	K MEAN	K ST.DEV.	U MEAN	U ST.DEV.	T MEAN	T ST.DEV.	U/K MEAN	U/K ST.DEV.	U/T MEAN	U/T ST.DEV.	T/K MEAN	T/K ST.DEV.
101.	Q	20.0	1.1	0.2	1.8	0.4	5.0	1.0	1.7	0.5	0.4	0.1	4.8	0.7
307.	Dlg	21.0	1.2	0.1	2.4	0.7	5.4	0.6	1.9	0.5	0.4	0.1	4.4	0.5
321.	Sa	15.0	1.3	0.2	2.4	0.4	6.3	0.8	1.8	0.4	0.4	0.1	4.8	0.6
323.	Ssm	9.0	1.1	0.2	2.1	0.4	5.0	1.1	1.9	0.3	0.4	0.1	4.5	0.7
325.	Ss	12.0	1.2	0.2	2.3	0.7	4.6	1.0	1.8	0.3	0.5	0.1	3.7	0.6
326.	Sp	45.0	1.1	0.1	2.2	0.7	5.0	0.9	2.0	0.6	0.5	0.2	4.5	0.7
327.	Ssl	7.0	1.3	0.1	2.6	0.3	5.8	1.1	2.0	0.2	0.5	0.1	4.5	0.8
328.	Sr	24.0	0.9	0.1	1.8	0.3	5.0	1.0	1.9	0.4	0.4	0.1	5.3	0.6
330.	Srb	17.0	1.0	0.2	1.9	0.4	5.3	0.8	1.9	0.3	0.4	0.1	5.2	0.5
335.	Oq	32.0	0.7	0.2	1.5	0.4	3.9	1.0	2.2	0.7	0.4	0.1	5.5	1.3
357.	big	103.0	1.5	0.4	2.5	0.9	9.1	4.0	1.7	0.4	0.3	0.2	5.8	1.4

SUMMARY OF GEOLOGIC UNITS BY LINE 990

CODE	UNIT	RECS	K MEAN	K ST.DEV.	U MEAN	U ST.DEV.	T MEAN	T ST.DEV.	U/K MEAN	U/K ST.DEV.	U/T MEAN	U/T ST.DEV.	T/K MEAN	T/K ST.DEV.
101.	Q	78.0	1.0	0.3	2.1	0.6	4.6	1.2	2.1	0.6	0.5	0.1	4.5	0.9
315.	Dr	44.0	1.1	0.2	1.9	0.5	5.8	0.9	1.7	0.3	0.3	0.1	5.2	1.1
316.	Ds	43.0	1.2	0.2	2.1	0.3	5.5	0.9	1.7	0.3	0.4	0.1	4.5	1.0
317.	Dh	4.0	1.0	0.1	2.0	0.2	6.5	0.3	2.0	0.2	0.3	0.0	6.5	0.3
318.	Dc	21.0	1.0	0.2	1.6	0.3	4.8	1.4	1.7	0.4	0.4	0.1	4.7	0.6
321.	Sa	47.0	1.2	0.2	2.9	0.5	5.6	0.8	2.4	0.5	0.5	0.1	4.7	0.6
324.	Sm	11.0	1.0	0.2	2.0	0.3	4.8	0.6	2.1	0.4	0.4	0.1	4.9	0.6
326.	Sp	33.0	1.1	0.3	2.0	0.7	5.1	1.3	1.8	0.3	0.4	0.1	4.6	0.5
327.	Ssl	24.0	1.1	0.2	2.7	0.5	5.3	0.8	2.5	0.4	0.5	0.1	4.9	0.7
357.	big	15.0	1.4	0.3	2.7	0.7	4.8	0.9	1.9	0.3	0.6	0.2	3.5	1.1