

MASTER

Airborne Gamma-Ray Spectrometer and Magnetometer Survey

McGrath Quadrangle
(Alaska)

Final Report Volume II

Prepared For The Department Of Energy
Grand Junction Office

Grand Junction, Colorado 81501

Under

Bendix Field Engineering Corporation

Grand Junction Operations, Grand Junction, Colorado

Subcontract No. 79-321-L

Project No. 40-79-4179

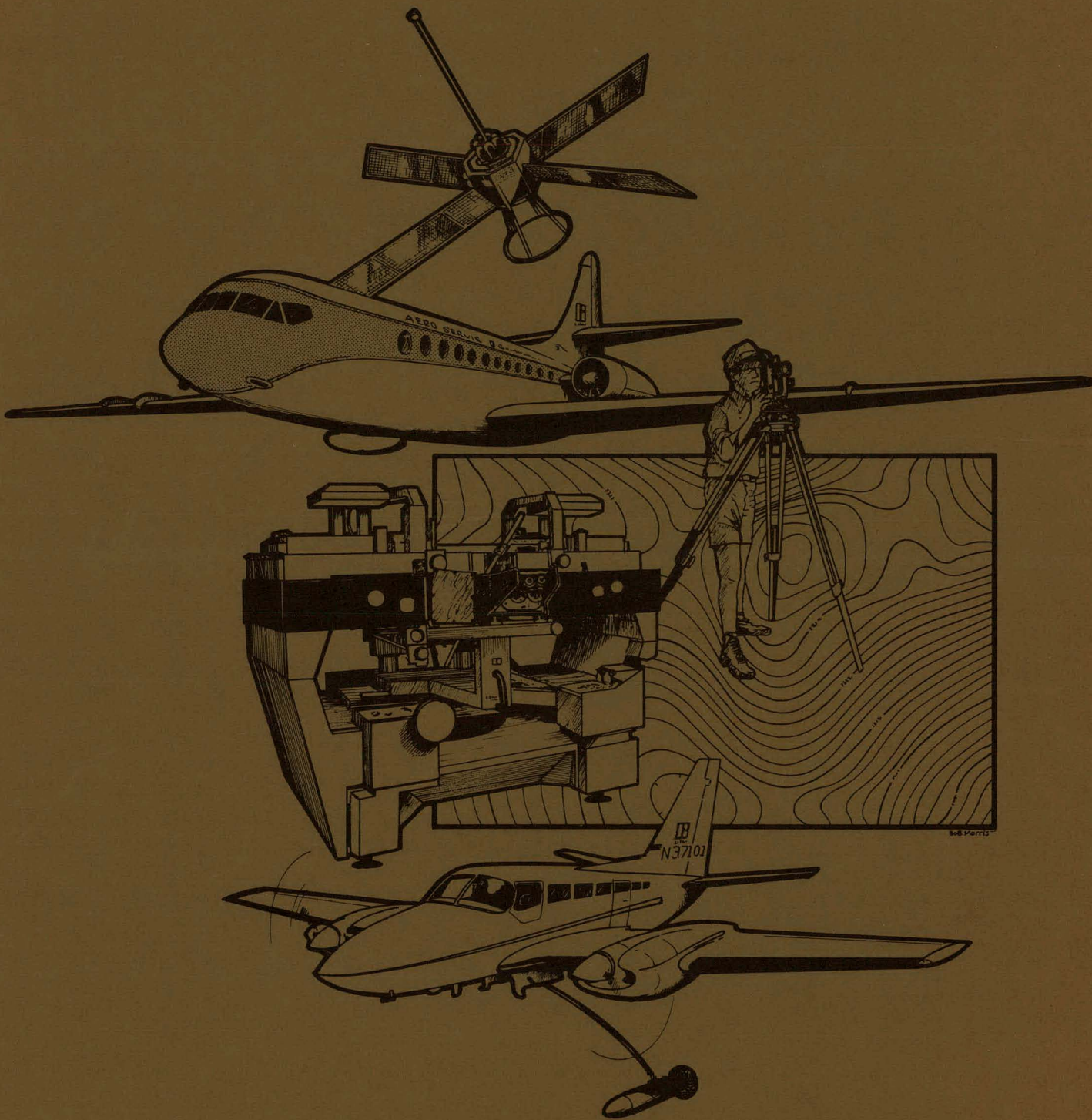
March 1980

by

Aero Service Division

Western Geophysical Company of America

Houston, Texas 77001



AERO SERVICE

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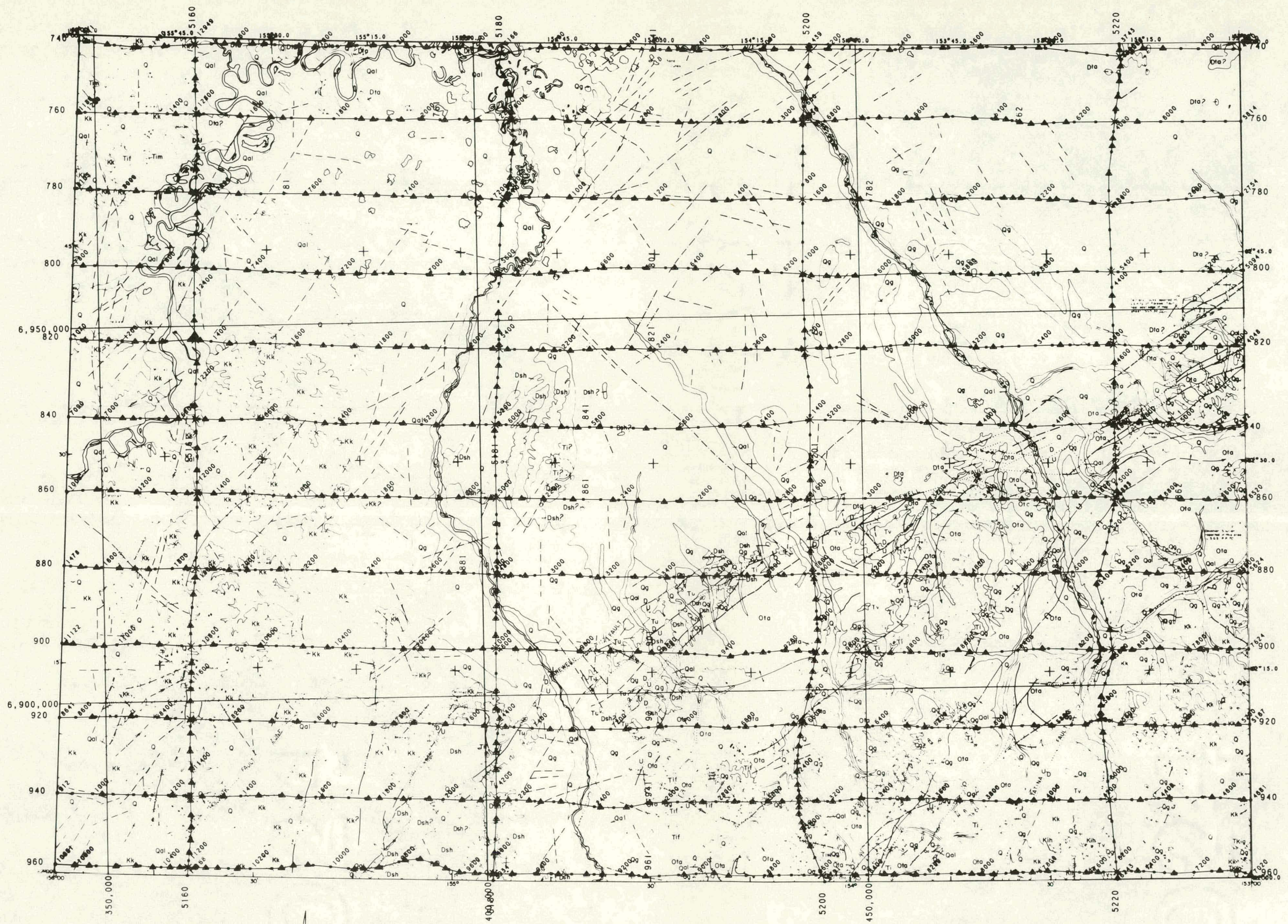
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G E O L O G I C L E G E N D

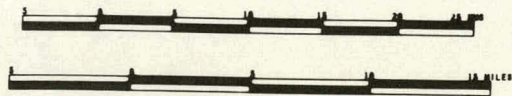
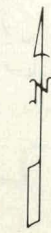
<u>Aero Symbol</u>	<u>Map Symbol</u>	
QU	= Q	: Undifferentiated alluvial material Quaternary
QA	= Qal	: Alluvium Quaternary
QG	= Qg	: Glacial and glaciofluvial deposits Quaternary
TU	= Tu	: Undifferentiated sedimentary rocks Tertiary
KK	= Kk	: Kuskokwim Group Upper Cretaceous
DT	= Dta	: Takotna Formation Middle Paleozoic
DS	= DSh	: Holitna Group Middle Paleozoic
OT	= Ota	: Tatina Group Middle Paleozoic
TV	= Tv	: Undifferentiated volcanic rocks Upper Tertiary
TI	= Ti	: Undifferentiated intrusive rocks Middle Tertiary
	= Tim	: Diabase Middle Tertiary
TF	= Tif	: Quartz monzonite Middle Tertiary
TW	= Tiw	: Windy Fork Stock Middle Tertiary
TK	= TKig	: Granite Cretaceous/Tertiary
KI	= Kih	: Hartman River Pluton Upper Cretaceous
W		: Water

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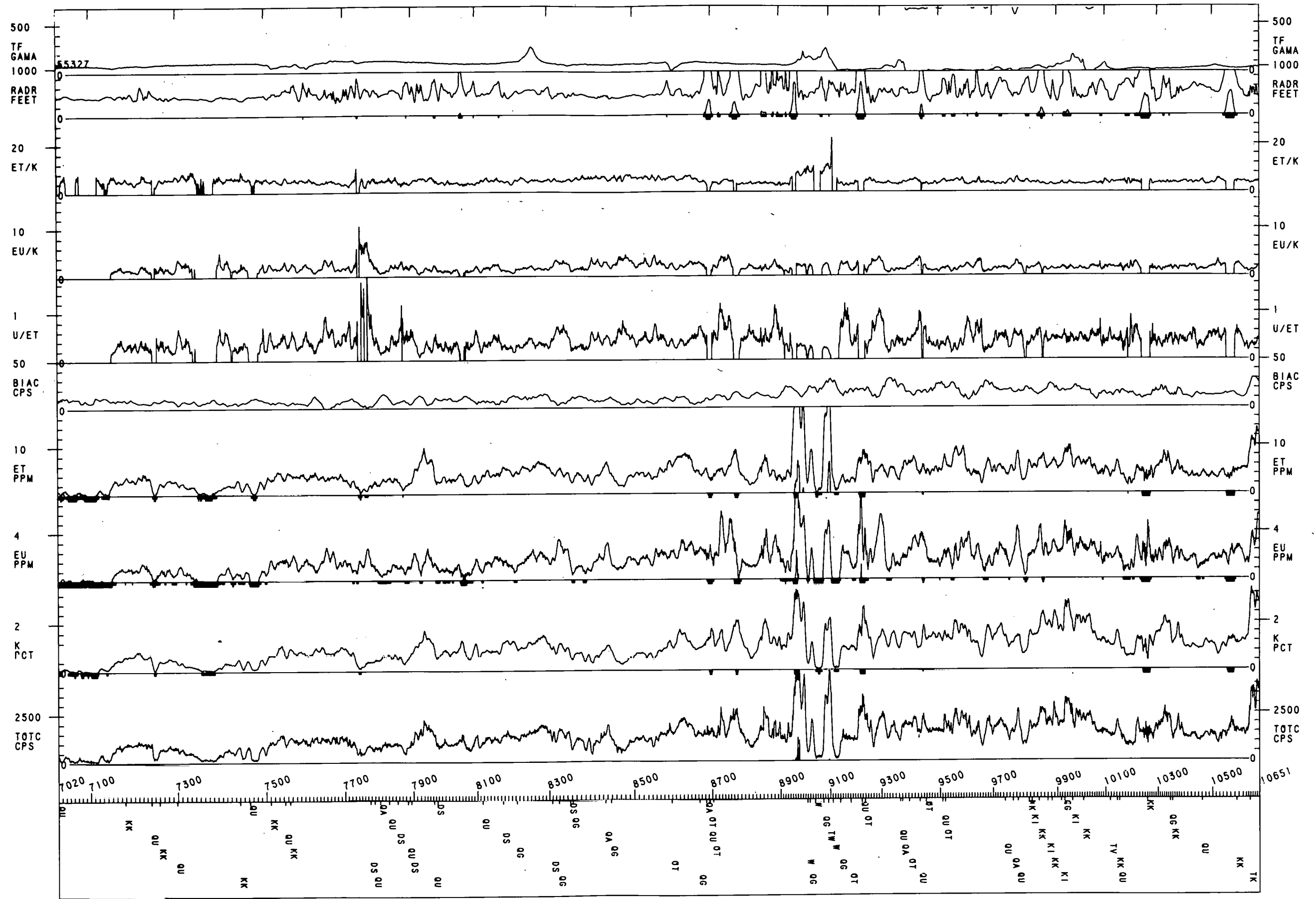
AERO SERVICE
HOUSTON, TEXAS 77001



x FILM IDENTIFIED TRAVERSE/TIE LINE INTERSECTION
 □ FILM IDENTIFIED GROUND CONTROL
 ○ INDEX FIDUCIAL (100 FIDUCIAL INTERVALS)
 FLOWN 1979

FLIGHT PATH
MC GRATH

DOE/NURE

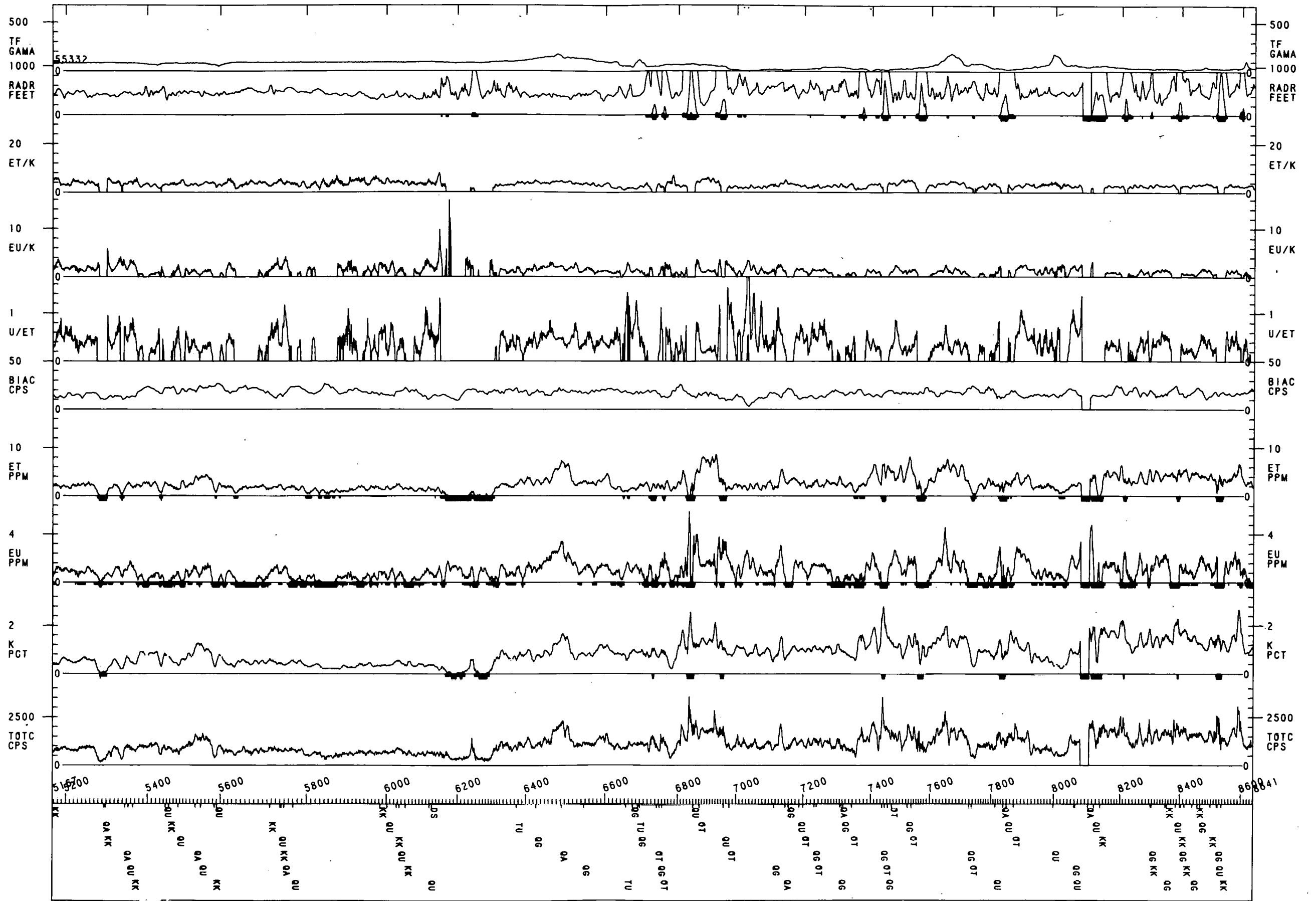


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0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 9608
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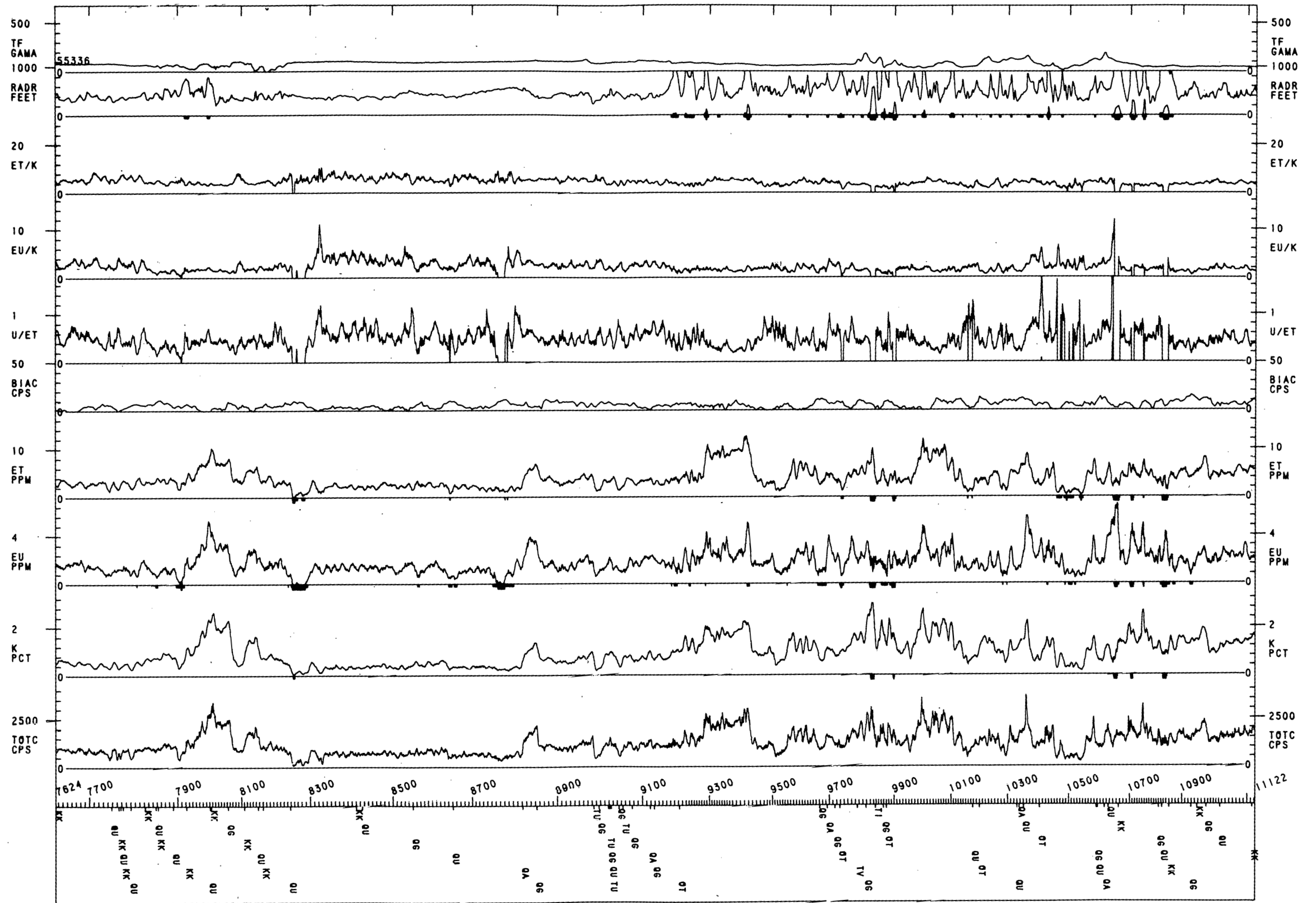
DOE/NURE
MC GRATH QUAD
LINE 960



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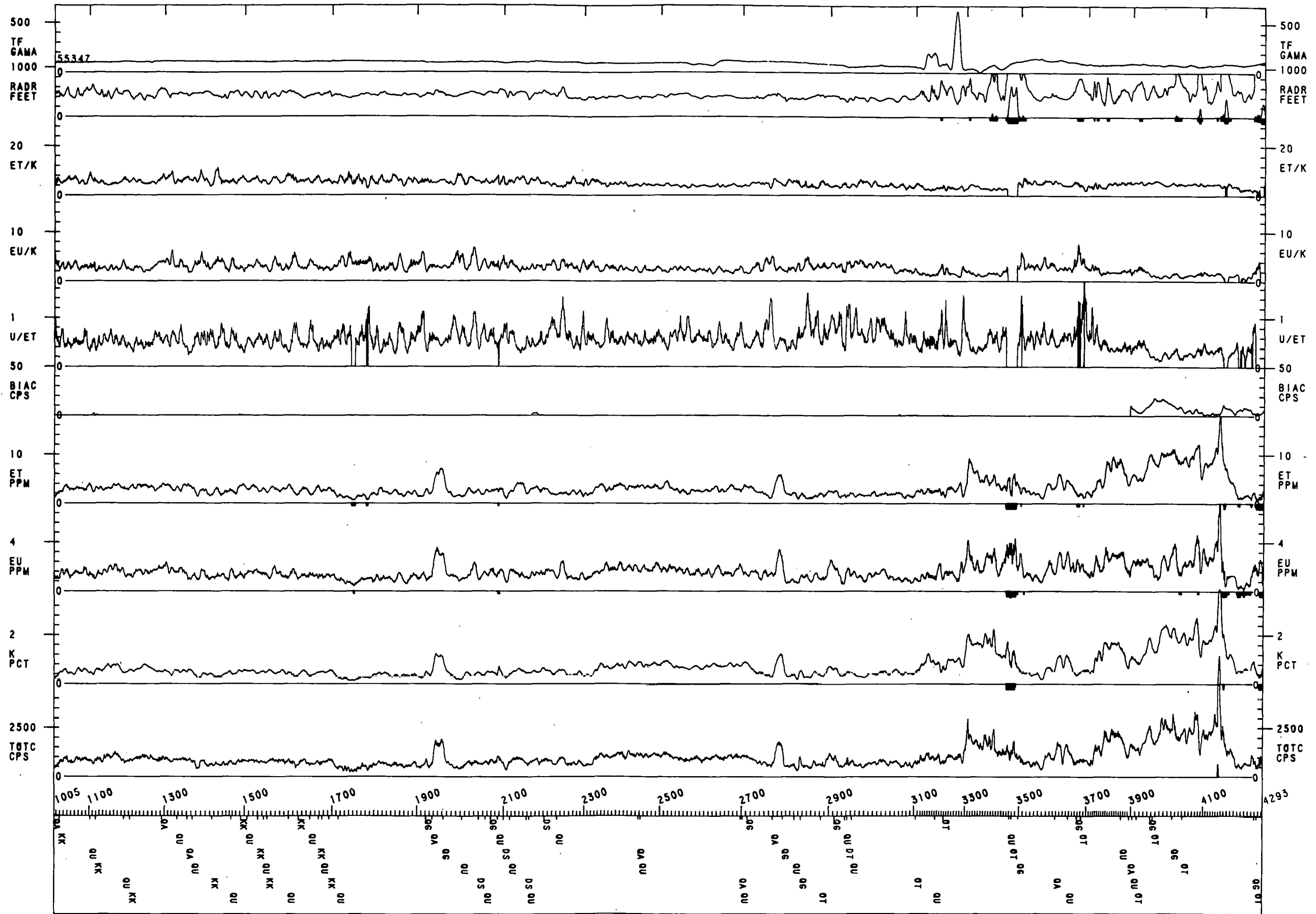


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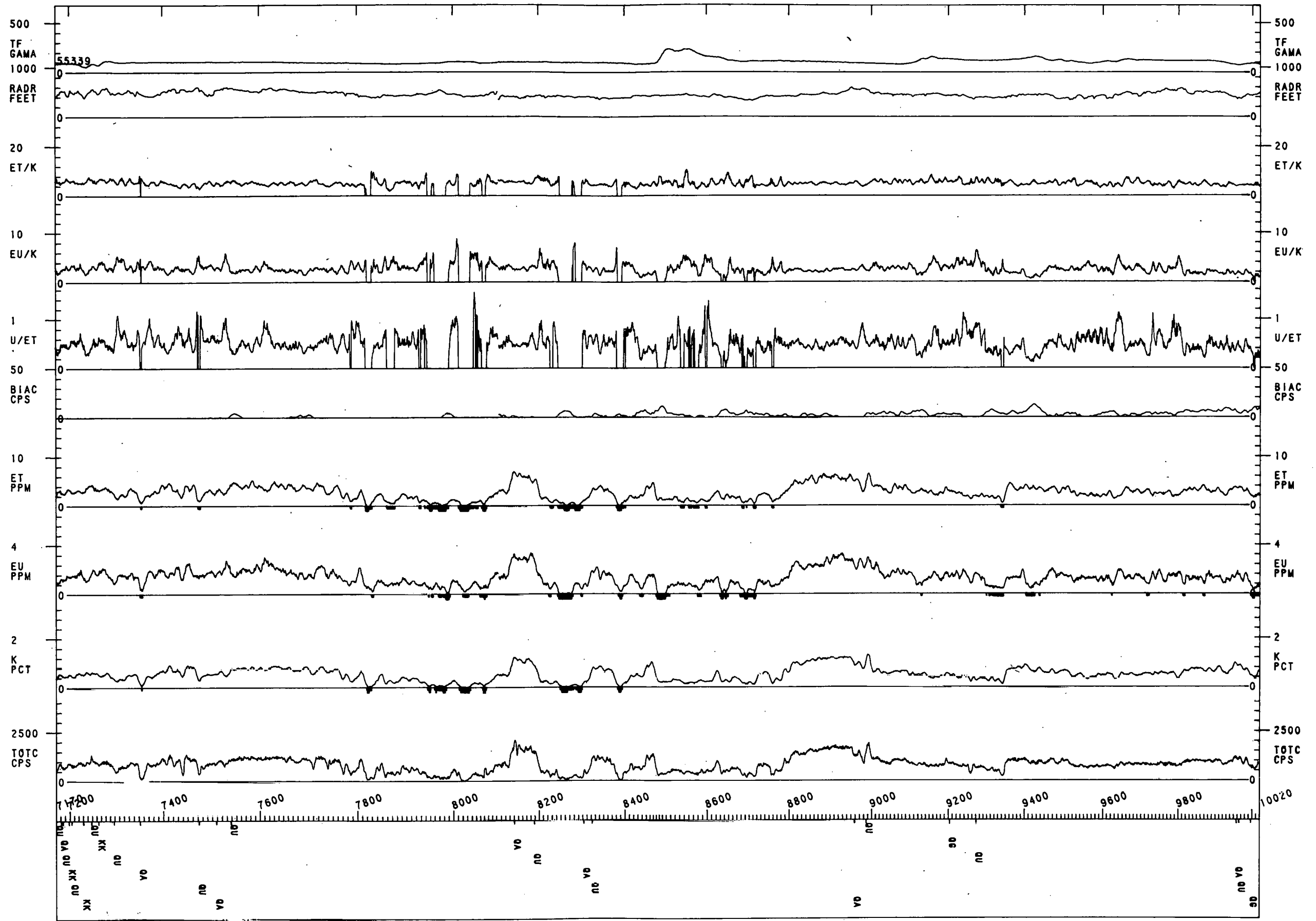
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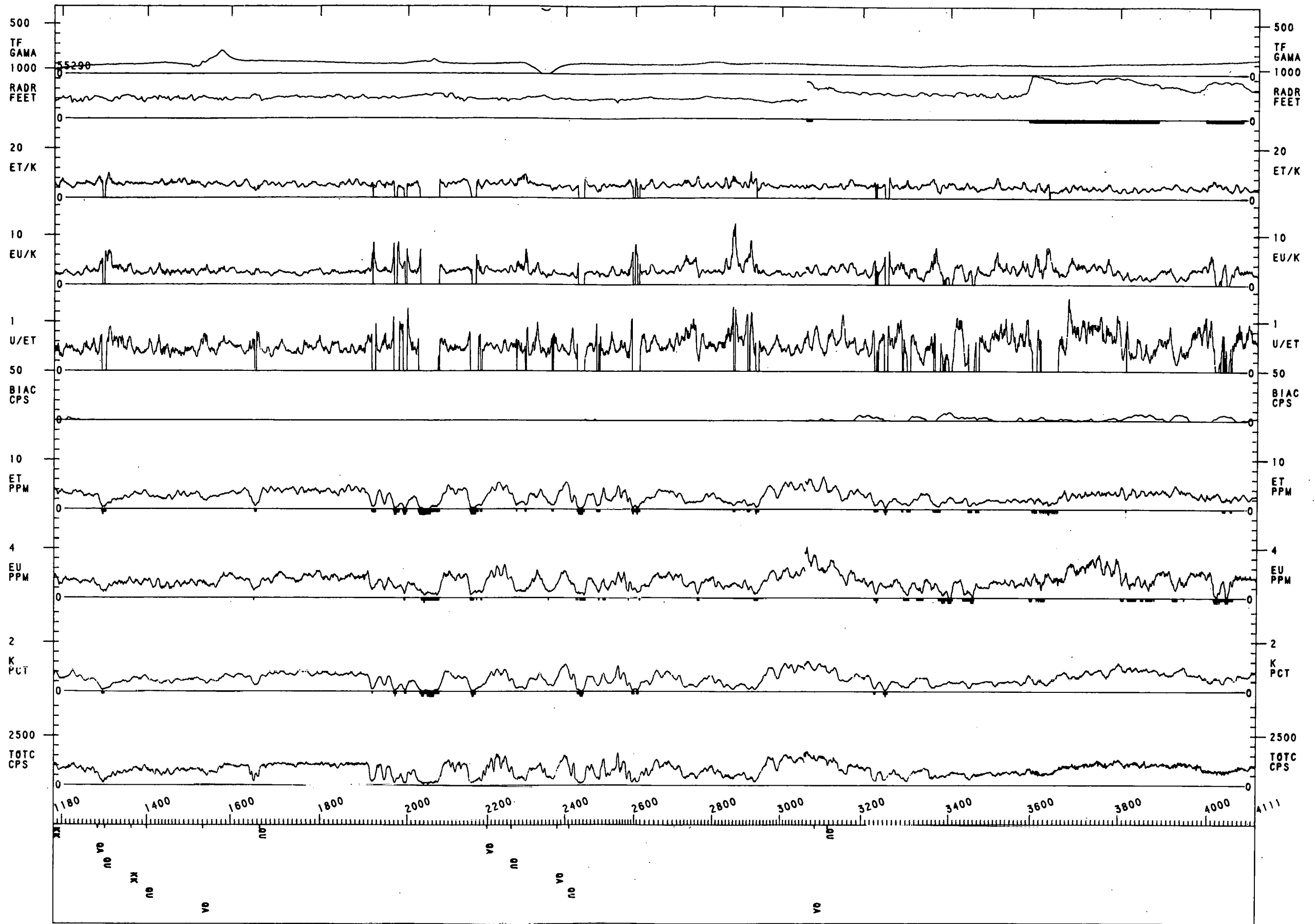


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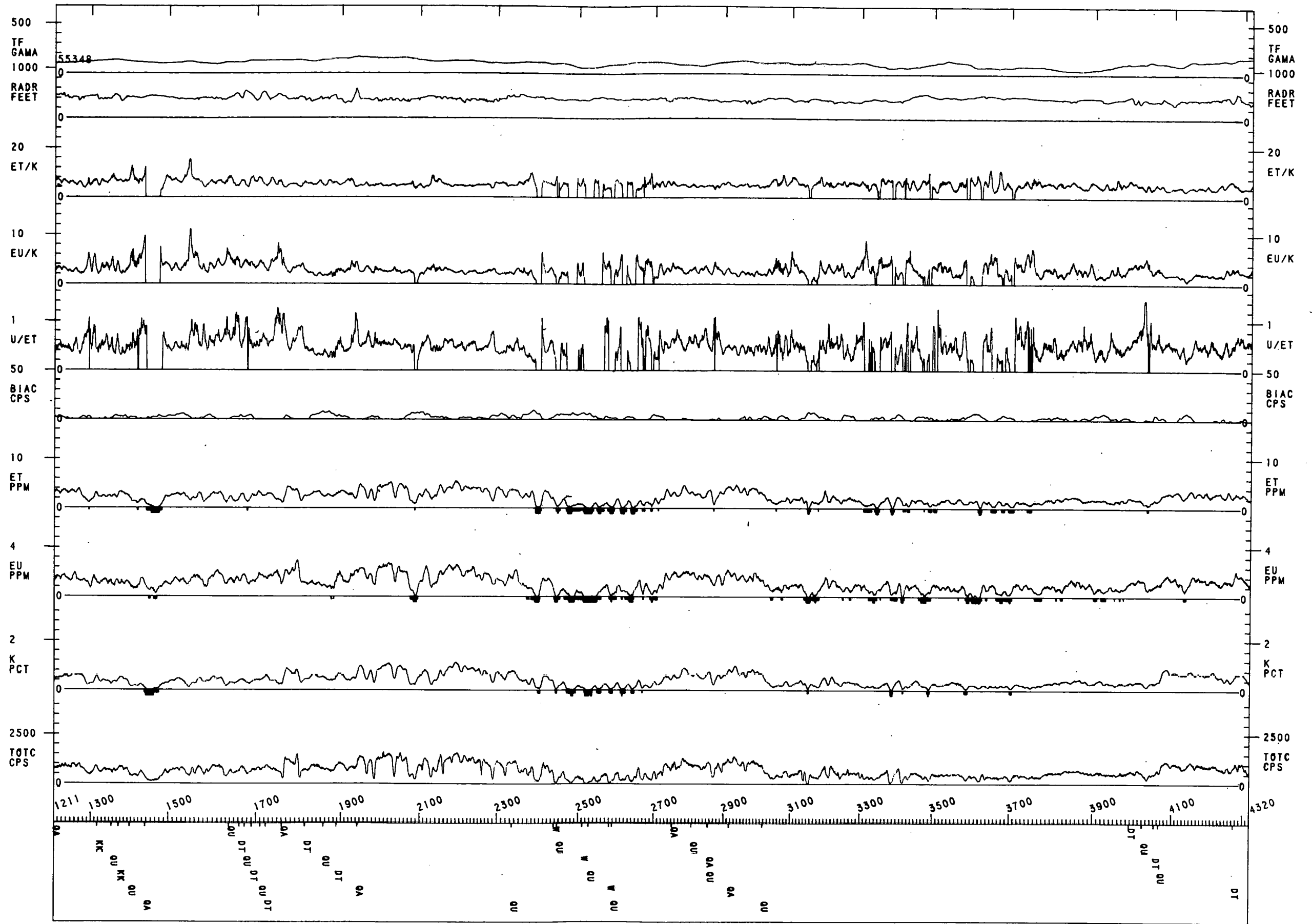
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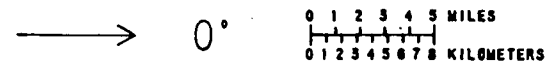
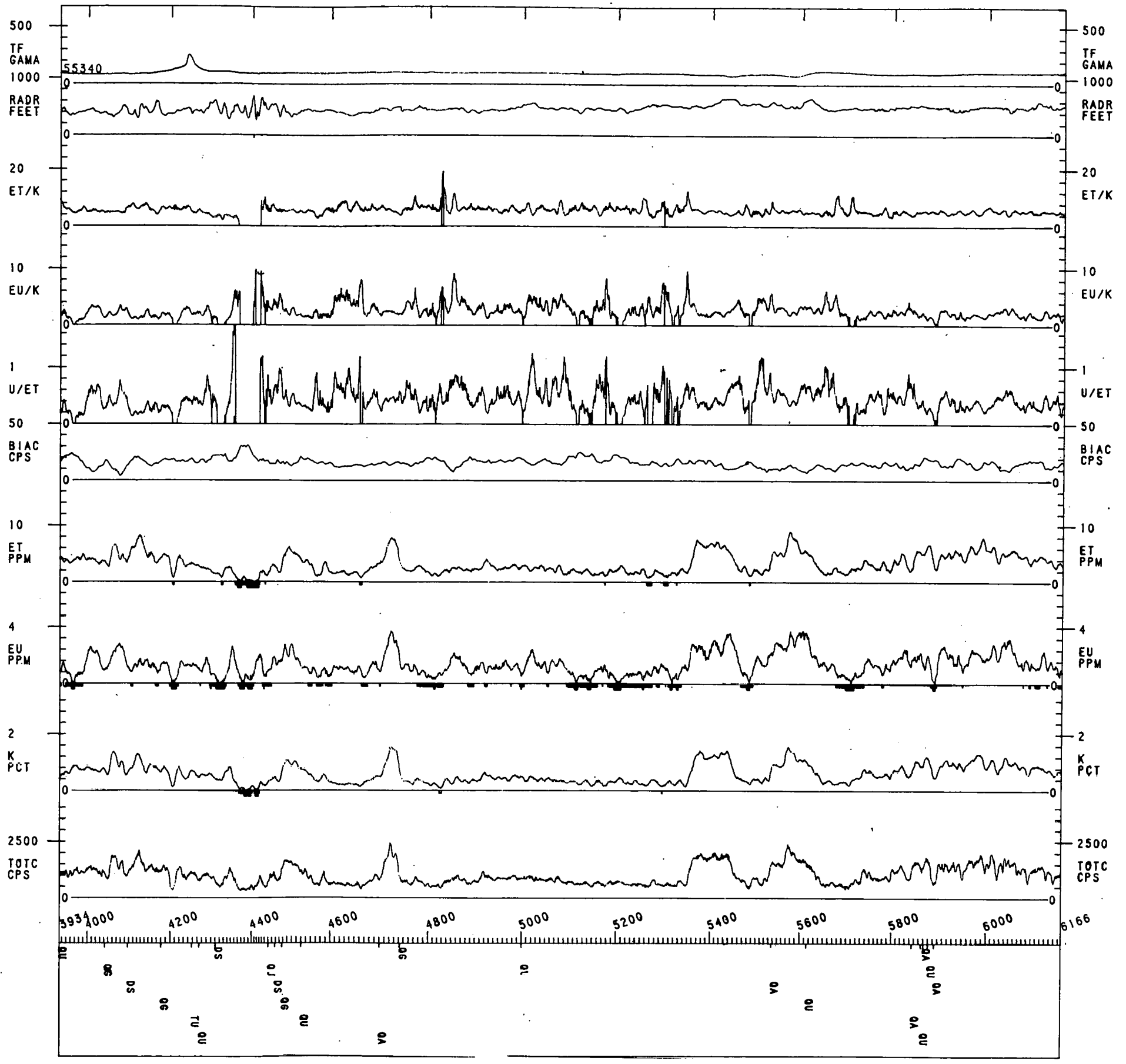
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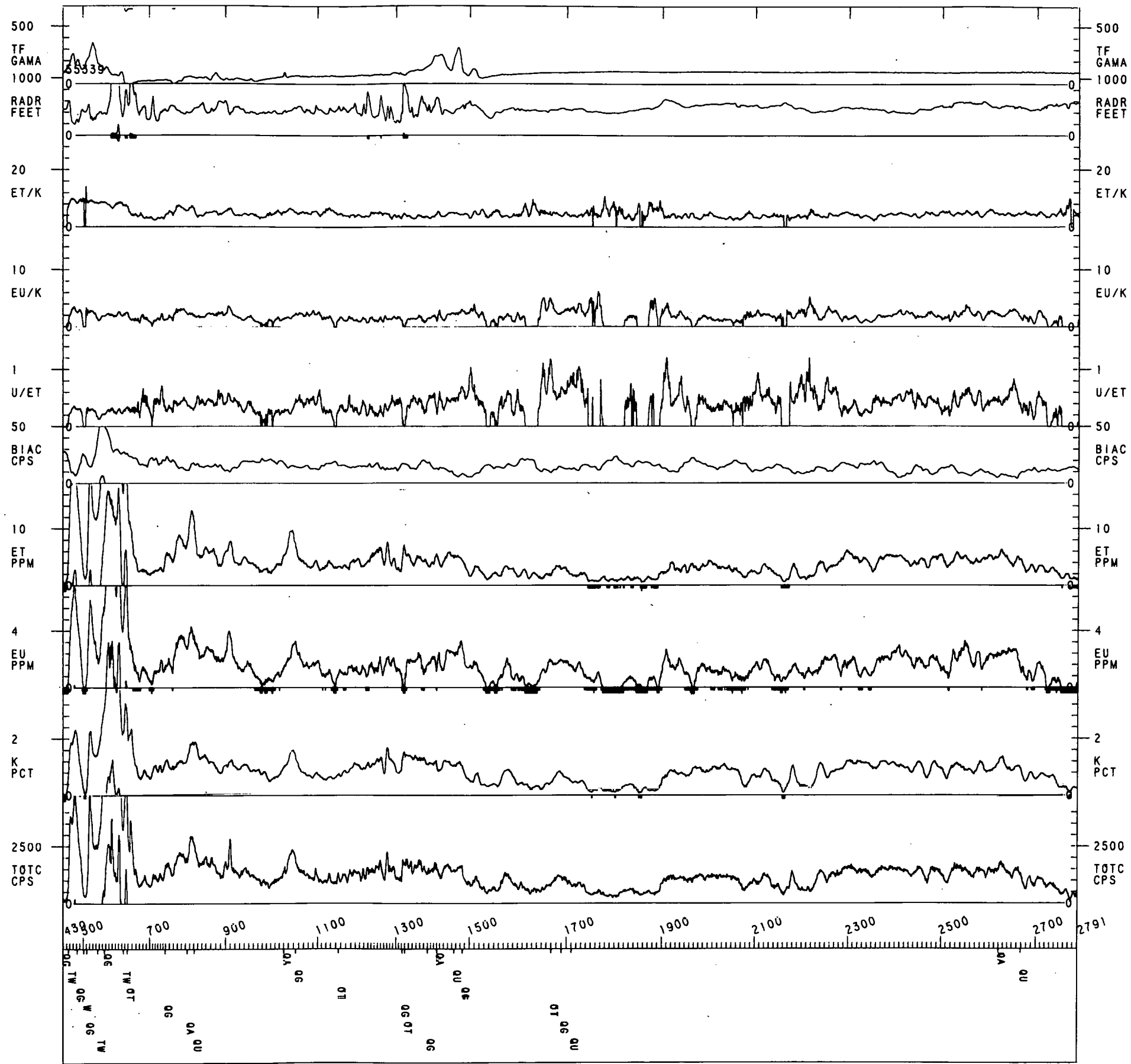
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AERO SERVICE
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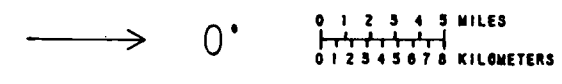
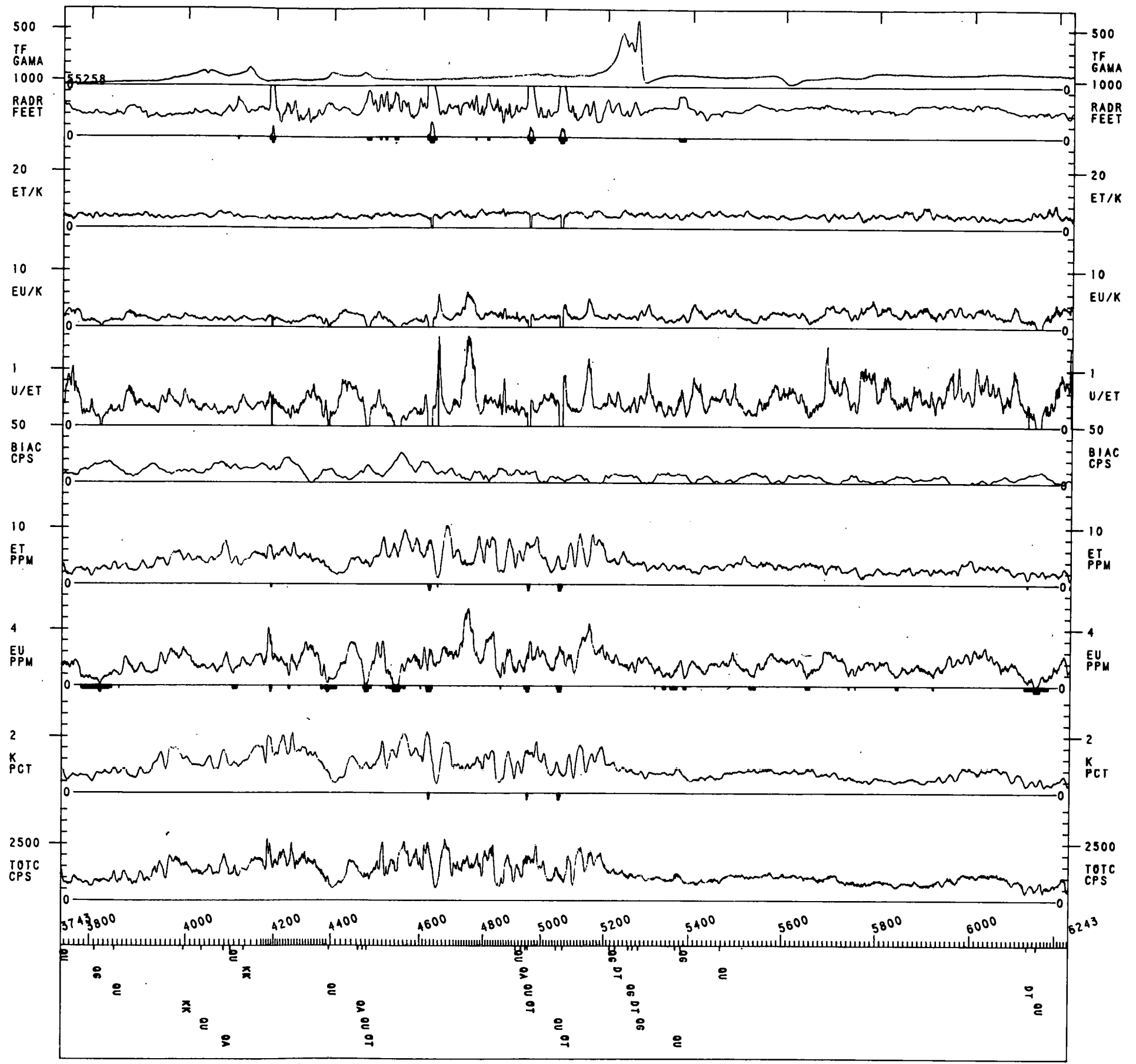


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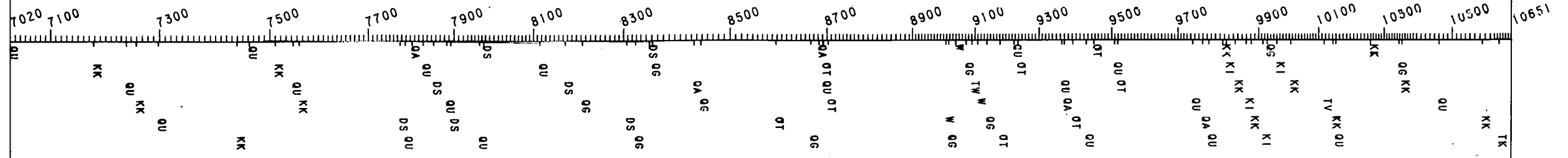
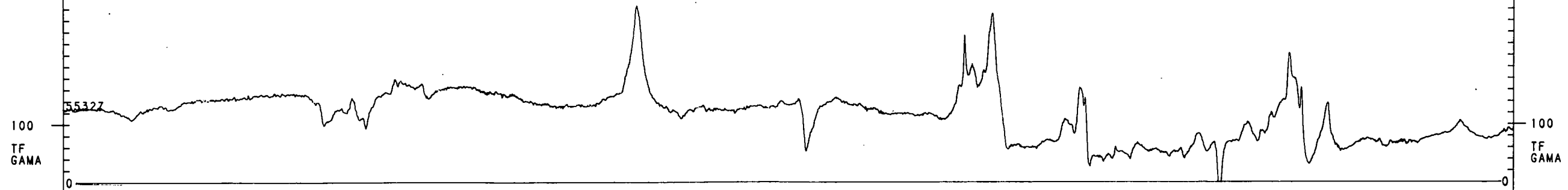
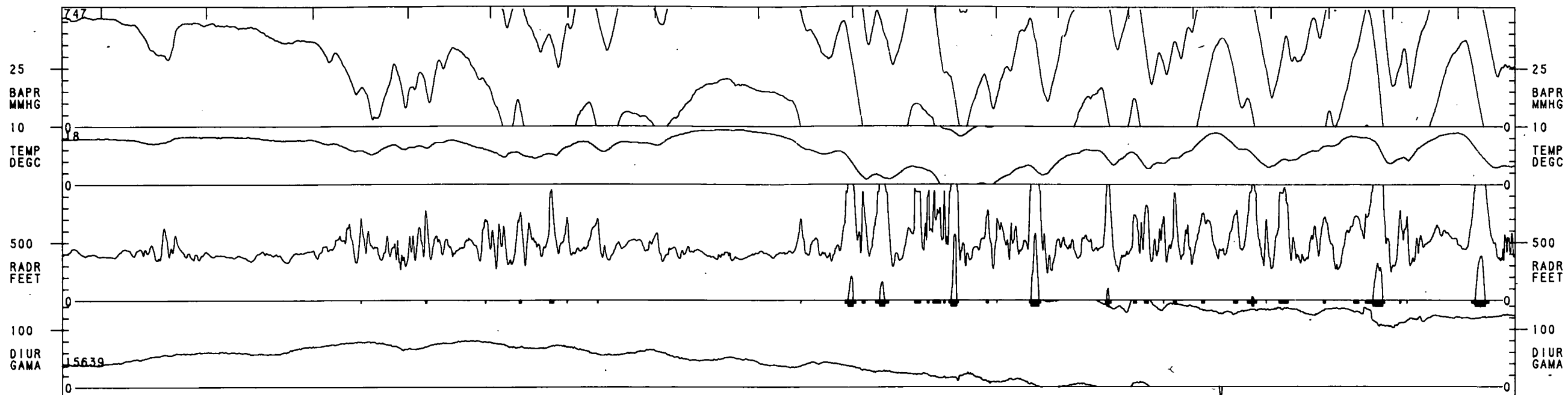
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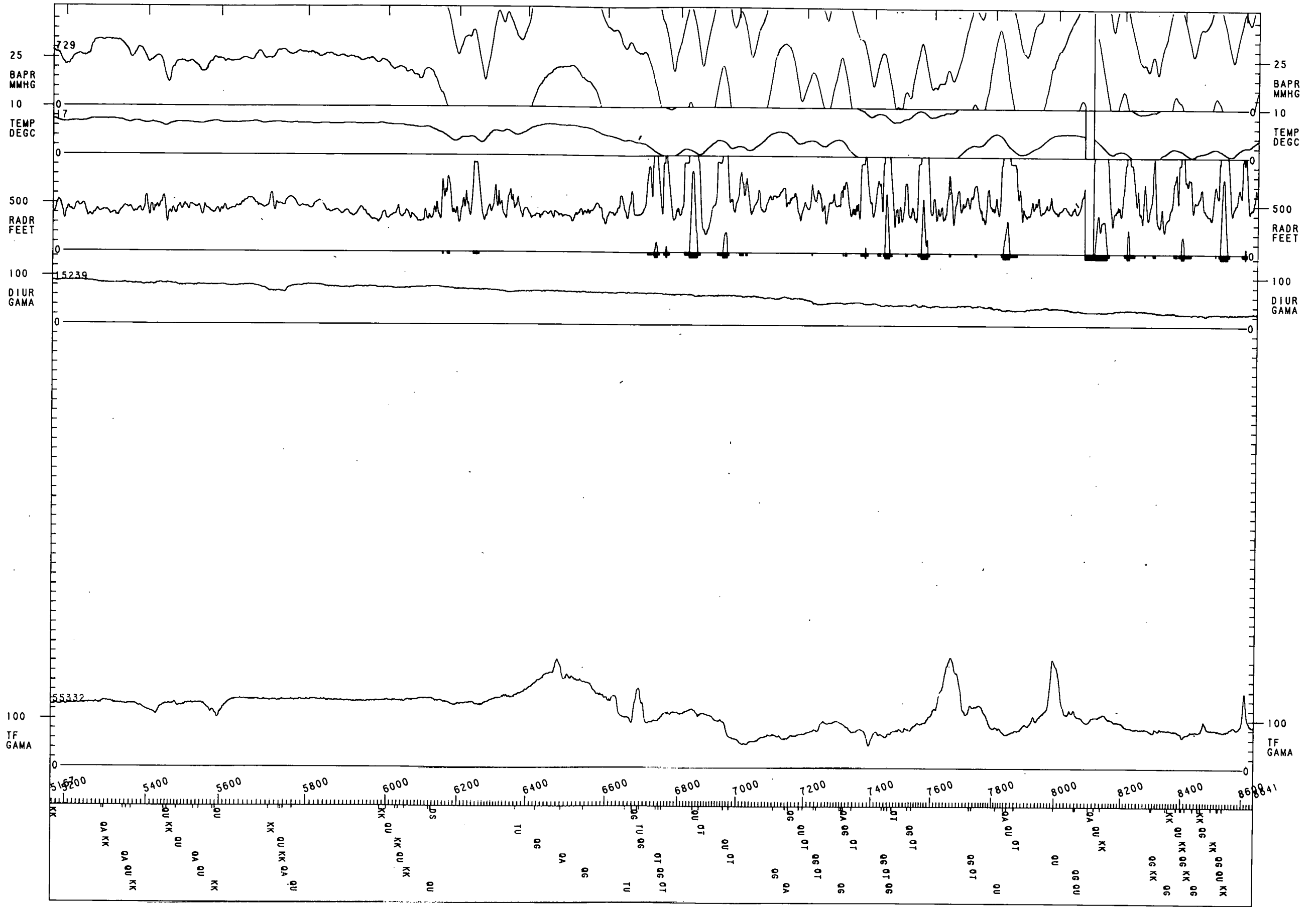
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0 1 2 3 4 5 6 7 8 KILOMETERS

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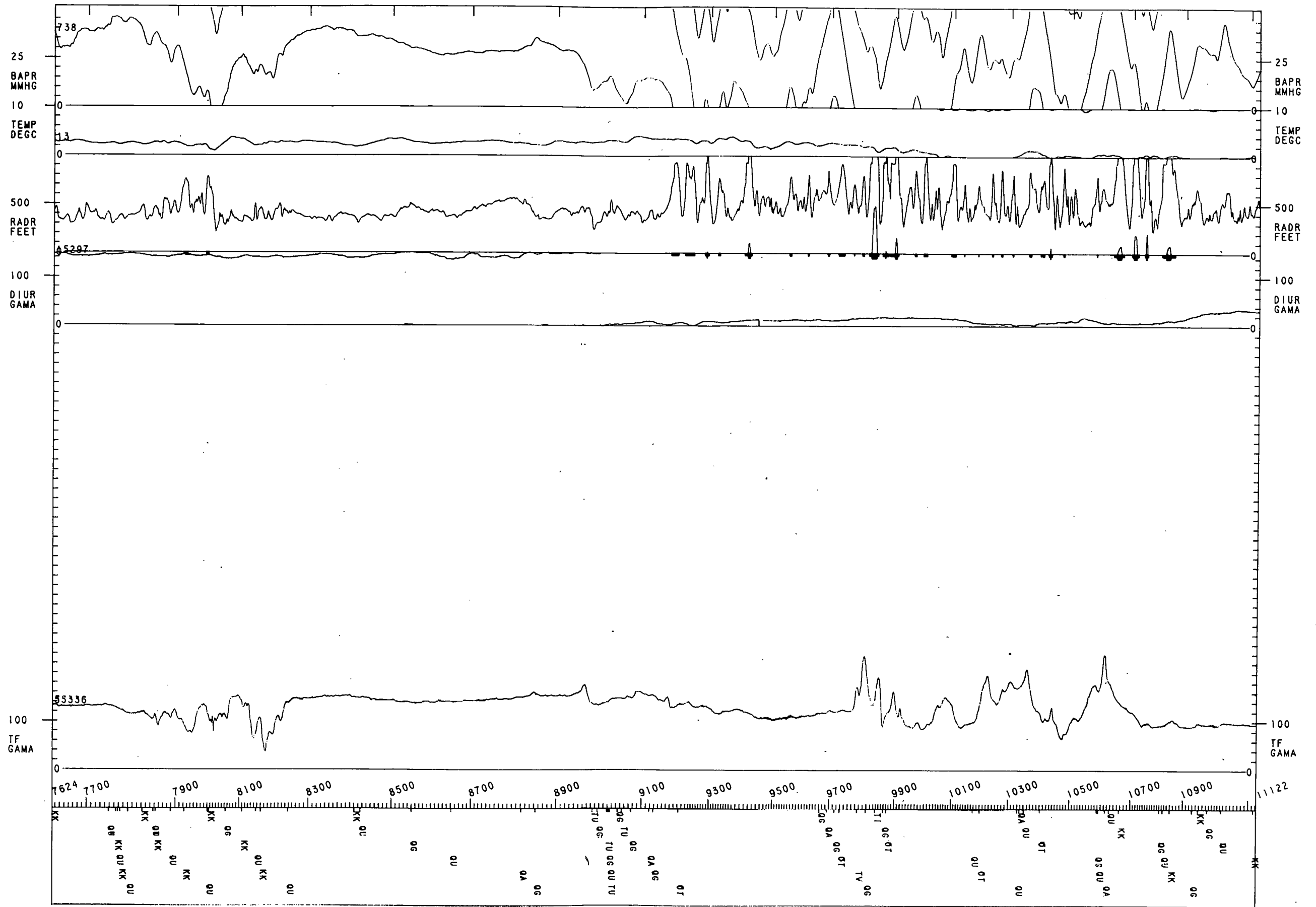
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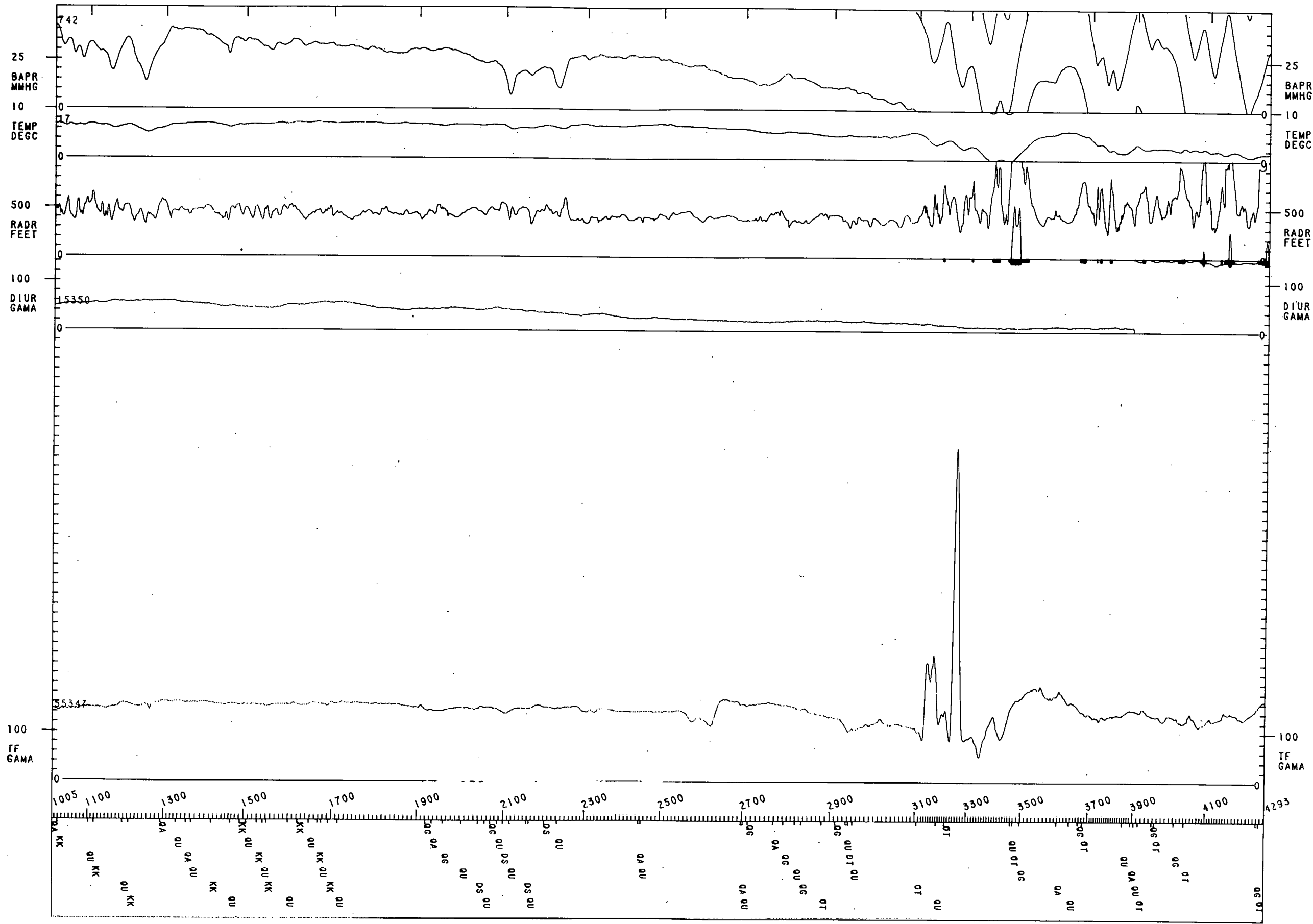


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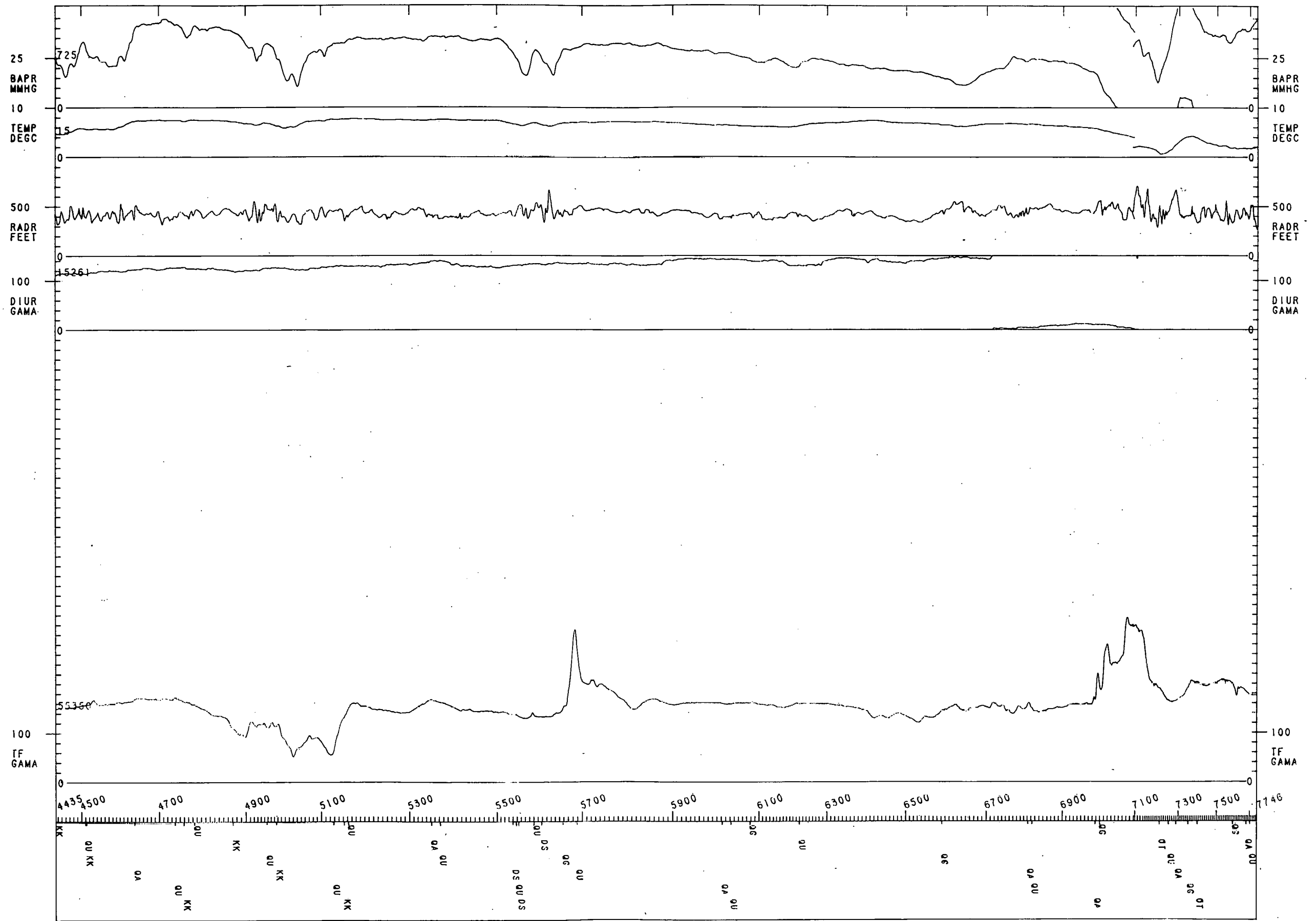


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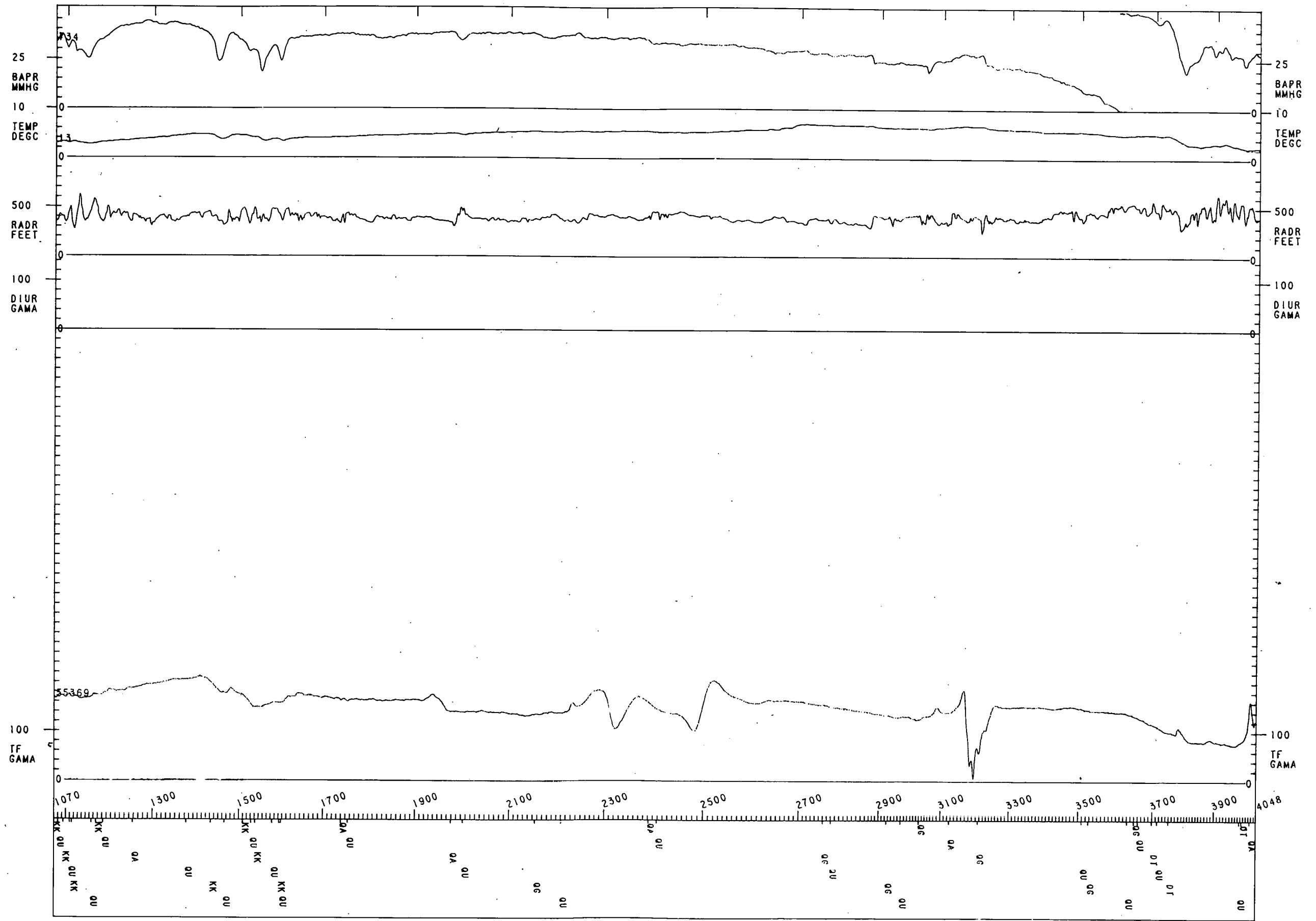
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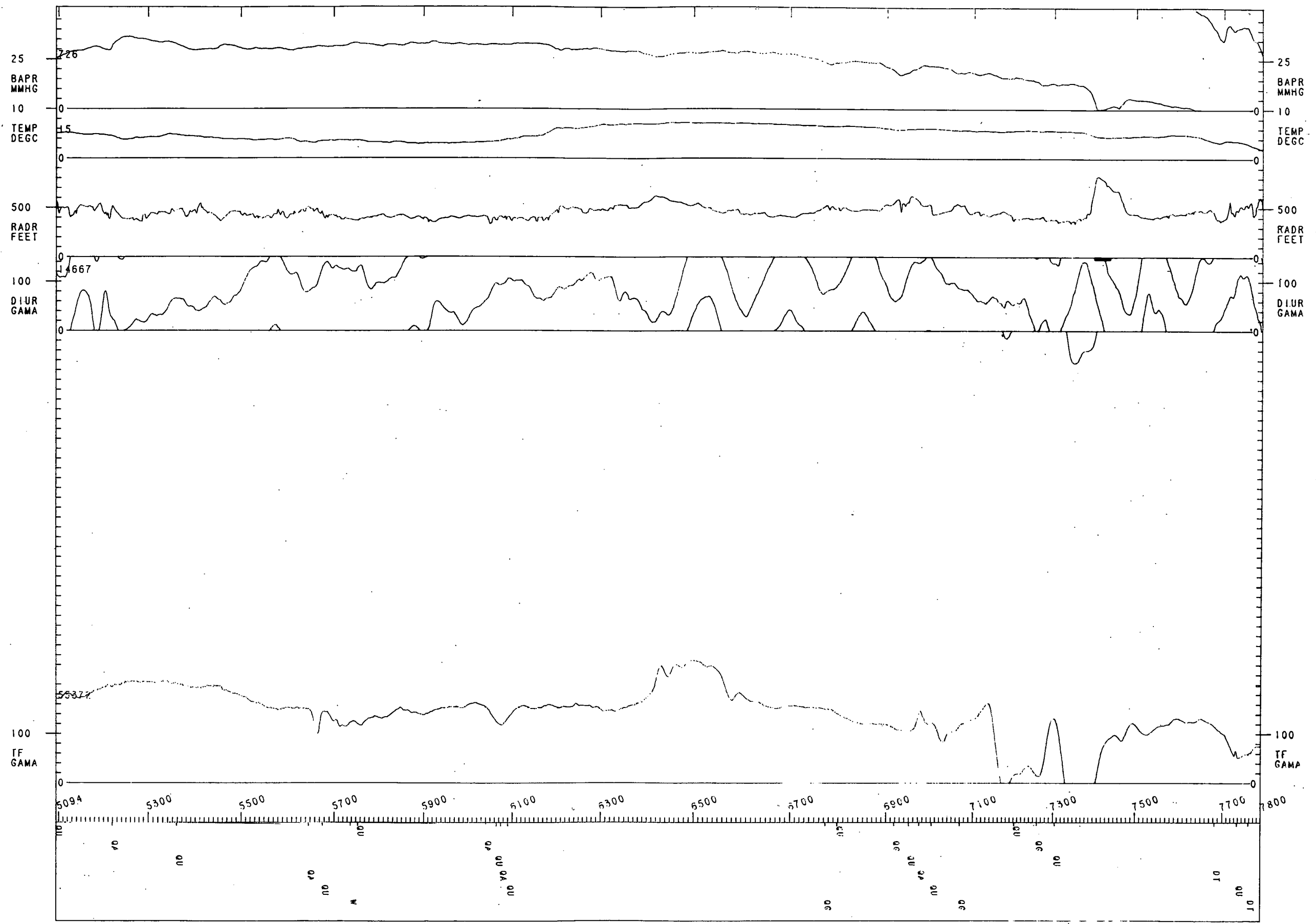
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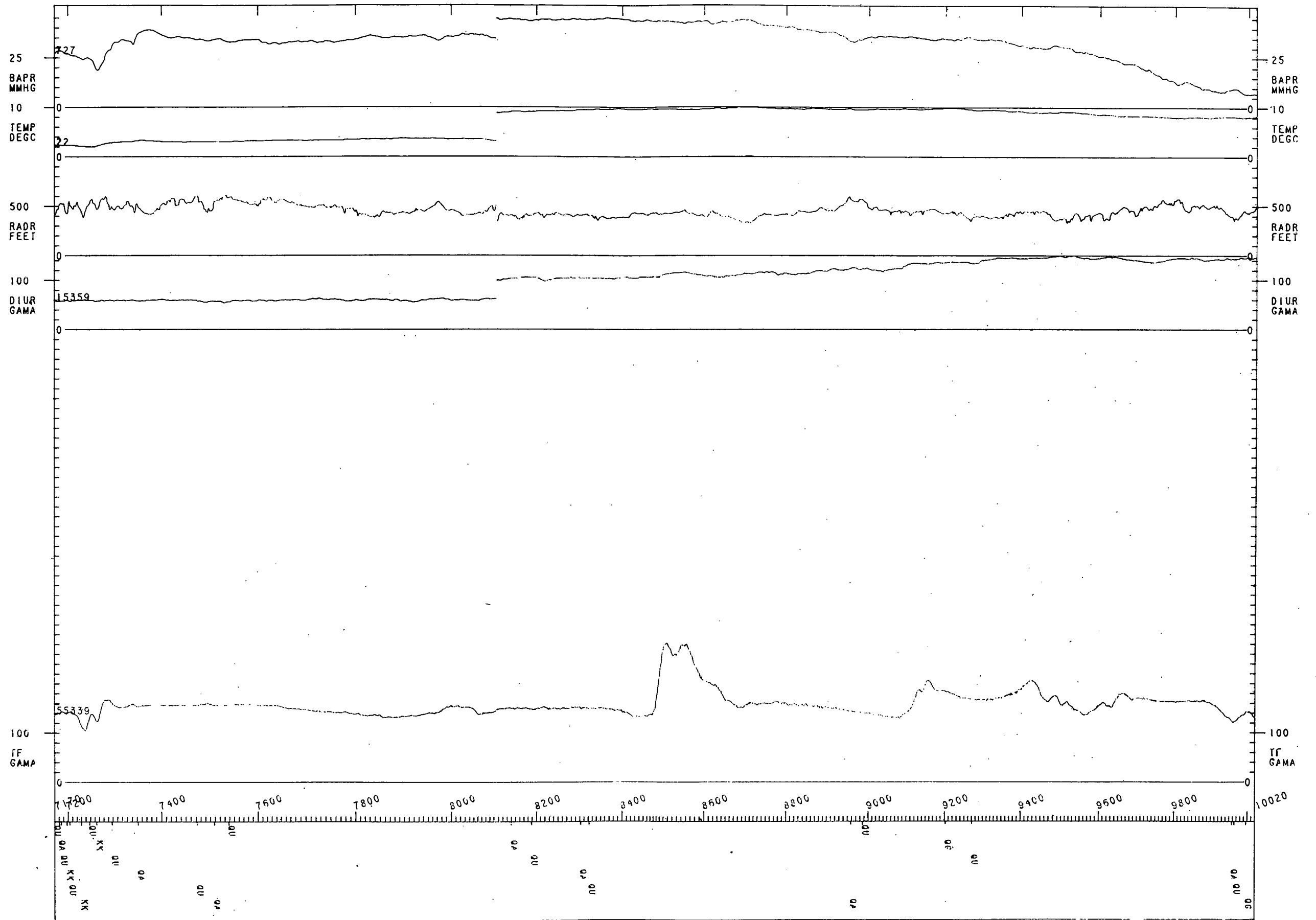


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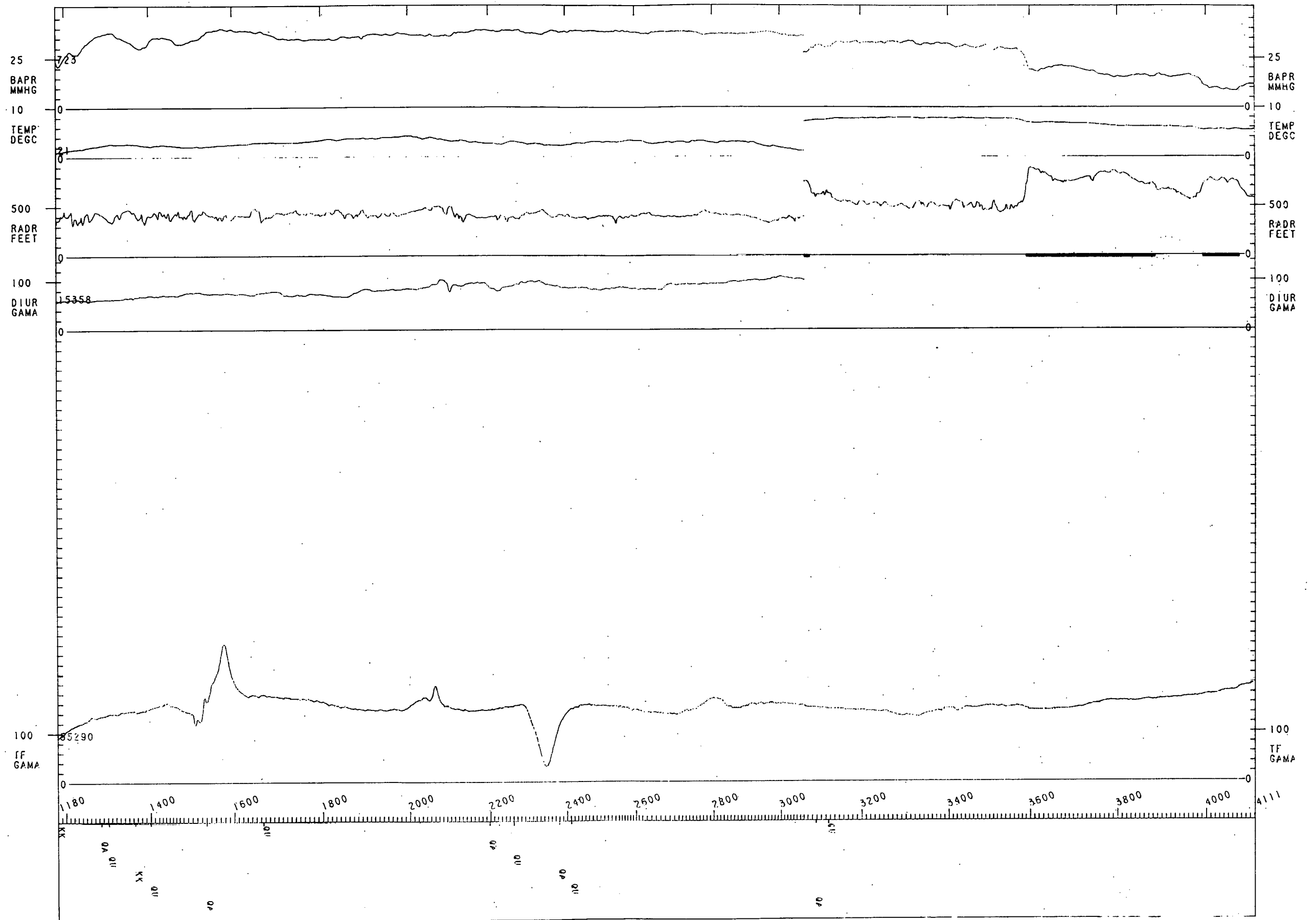
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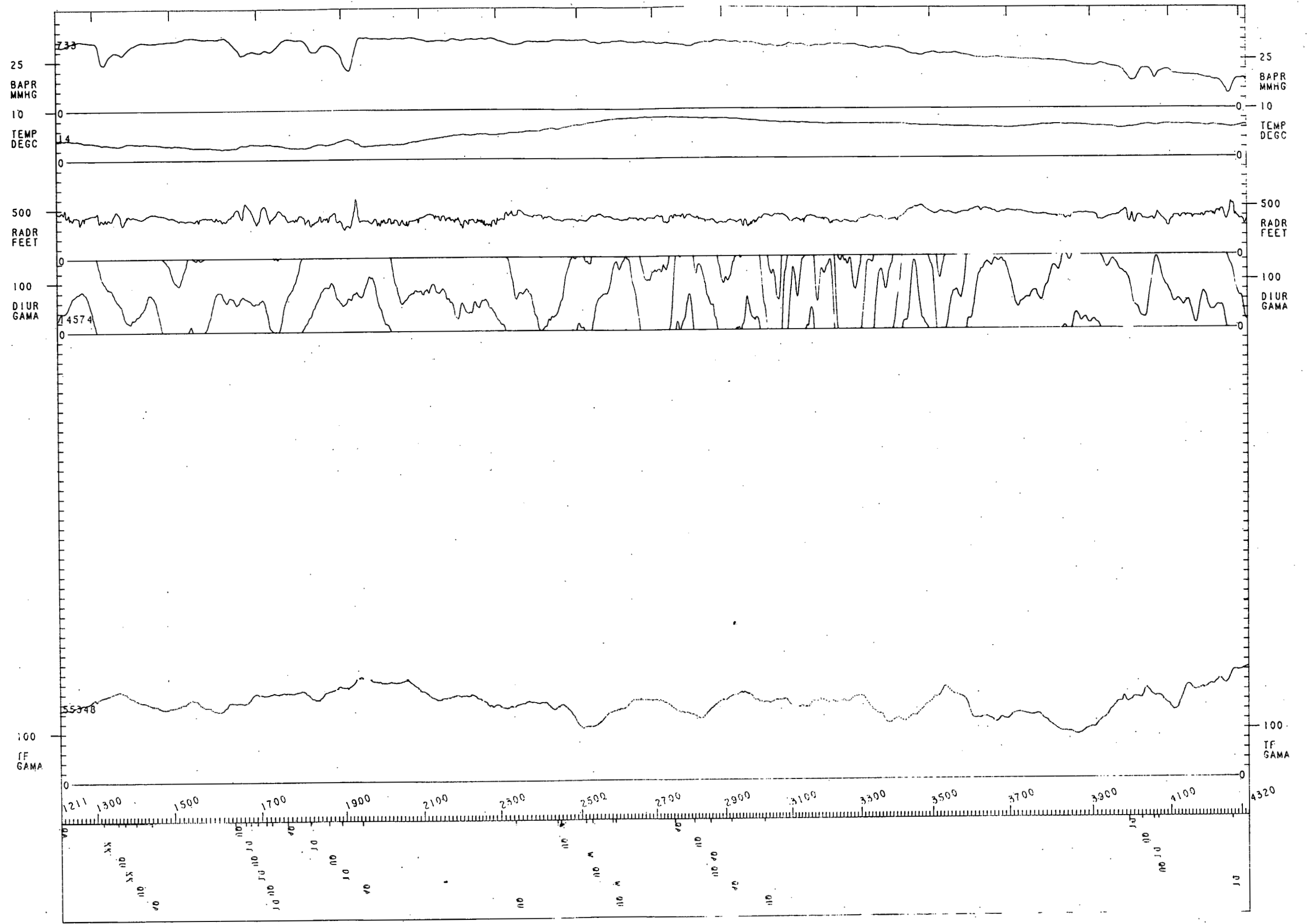


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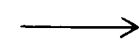
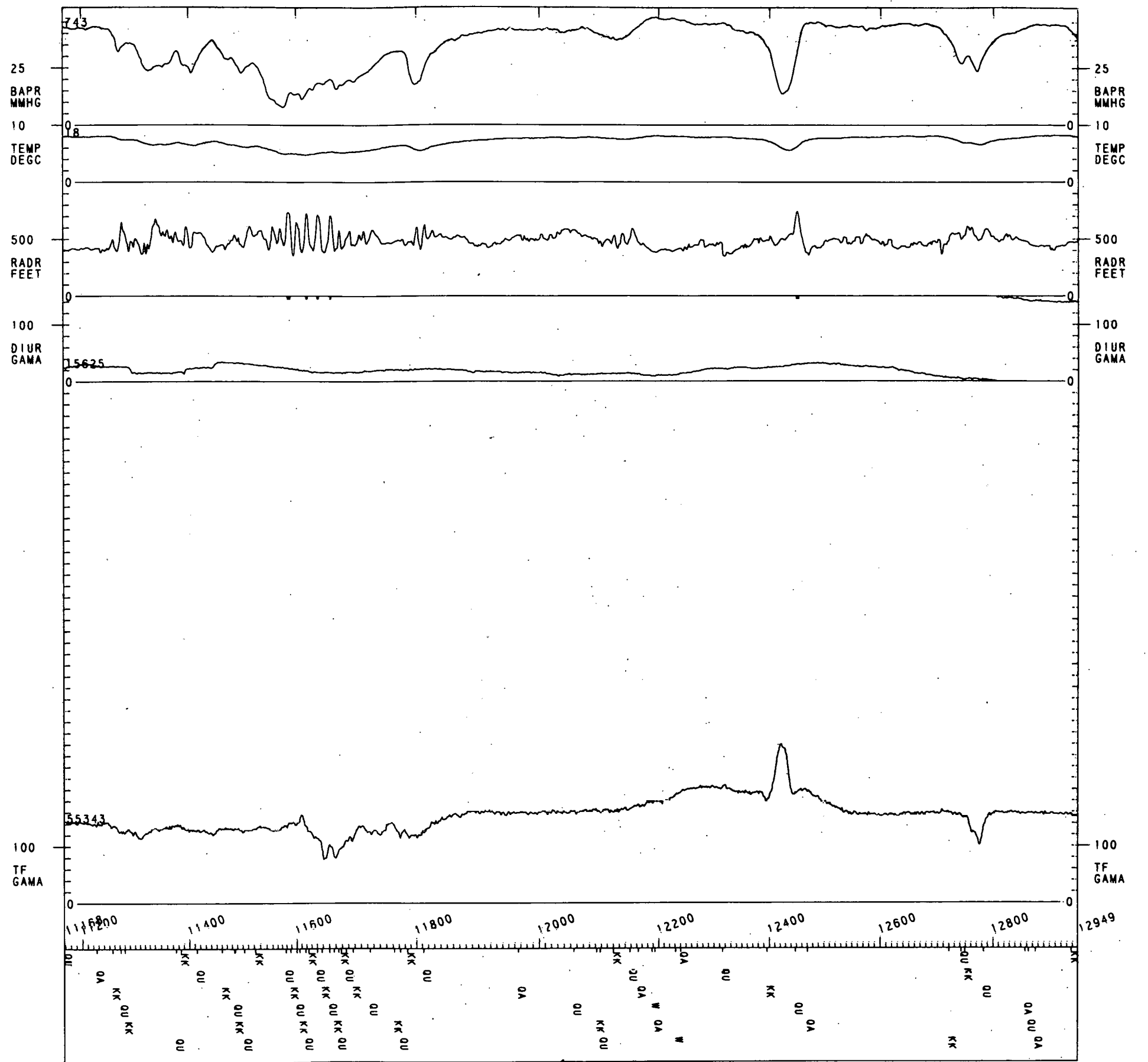


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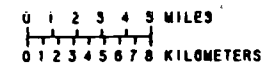
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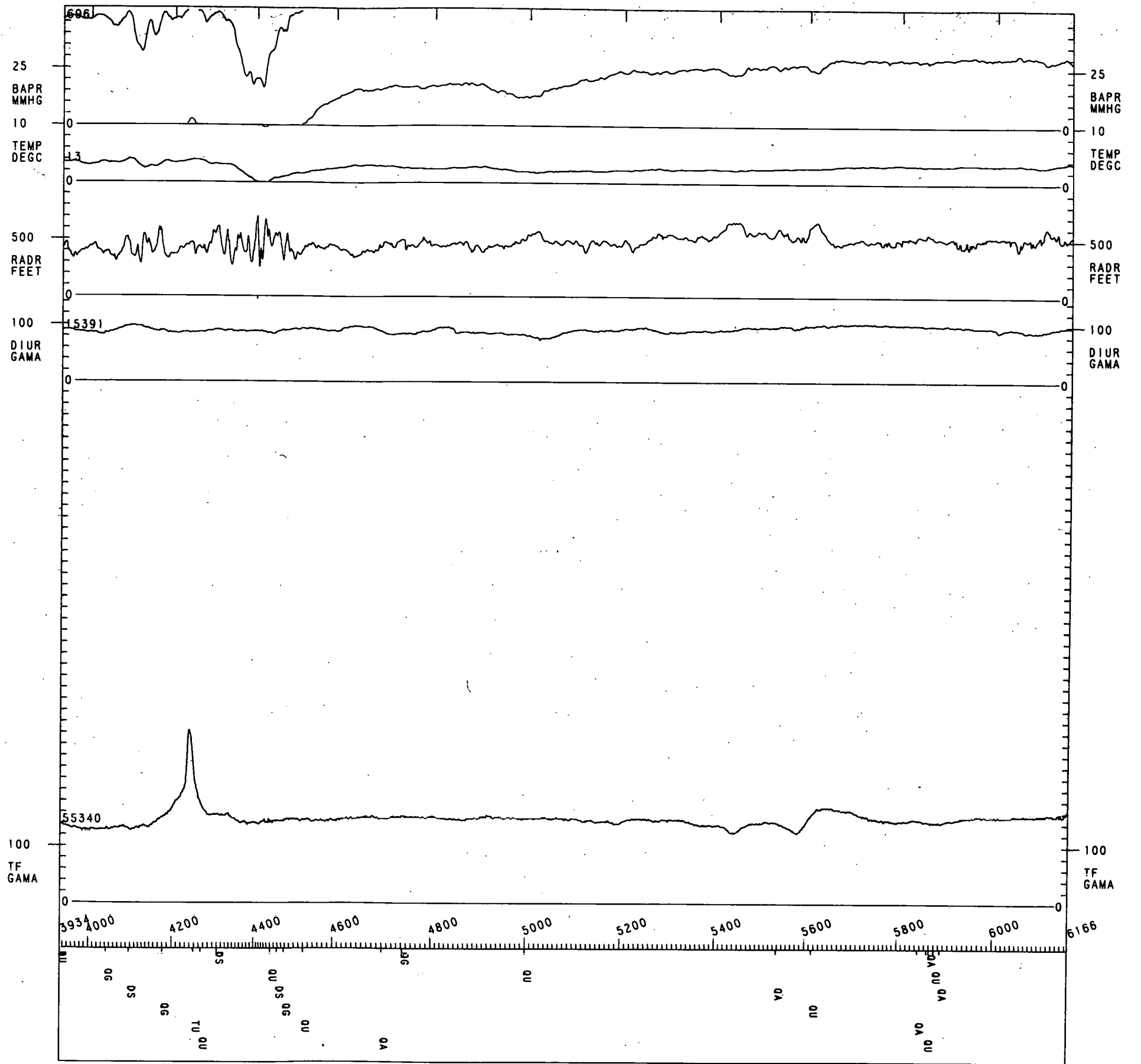


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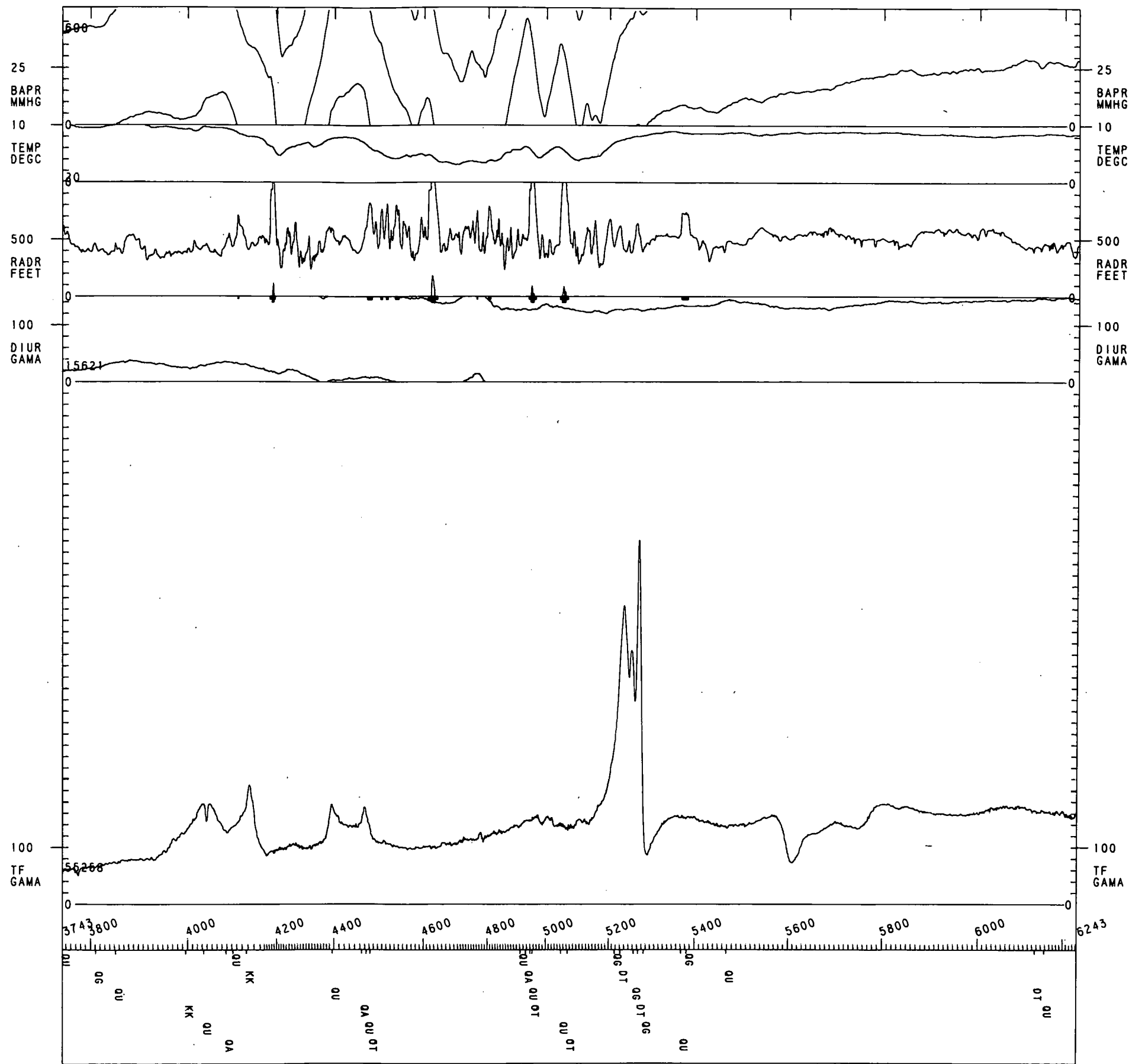


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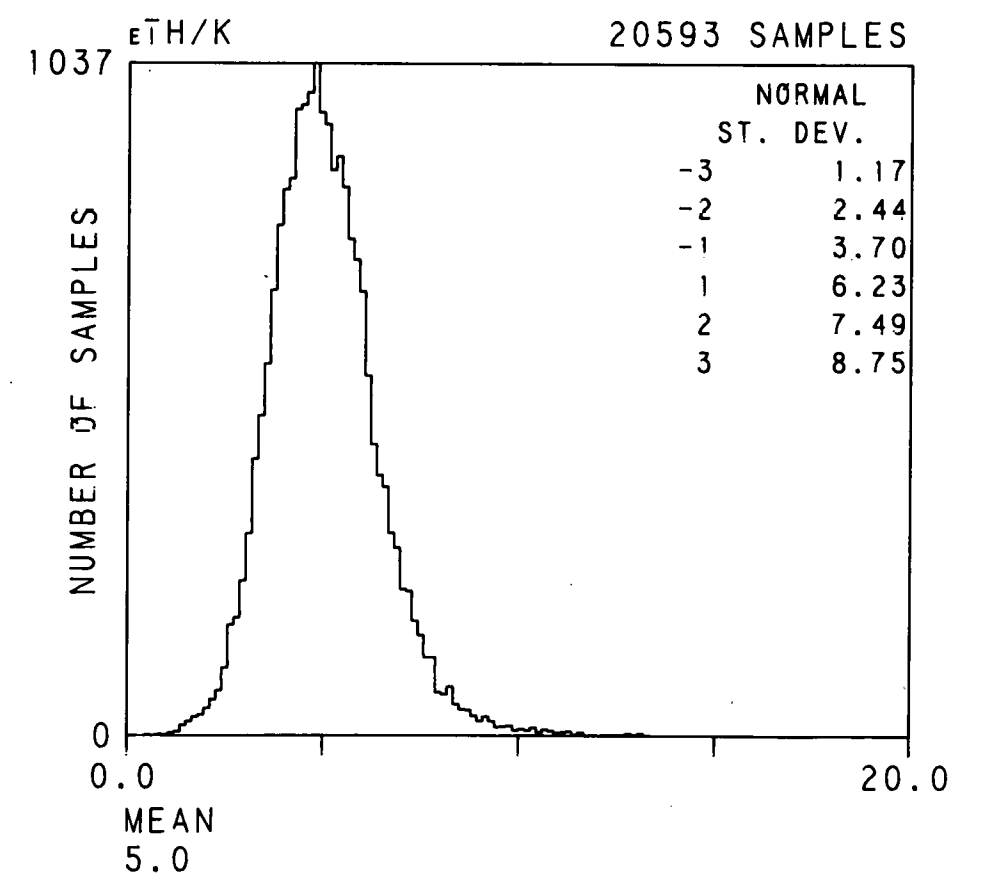
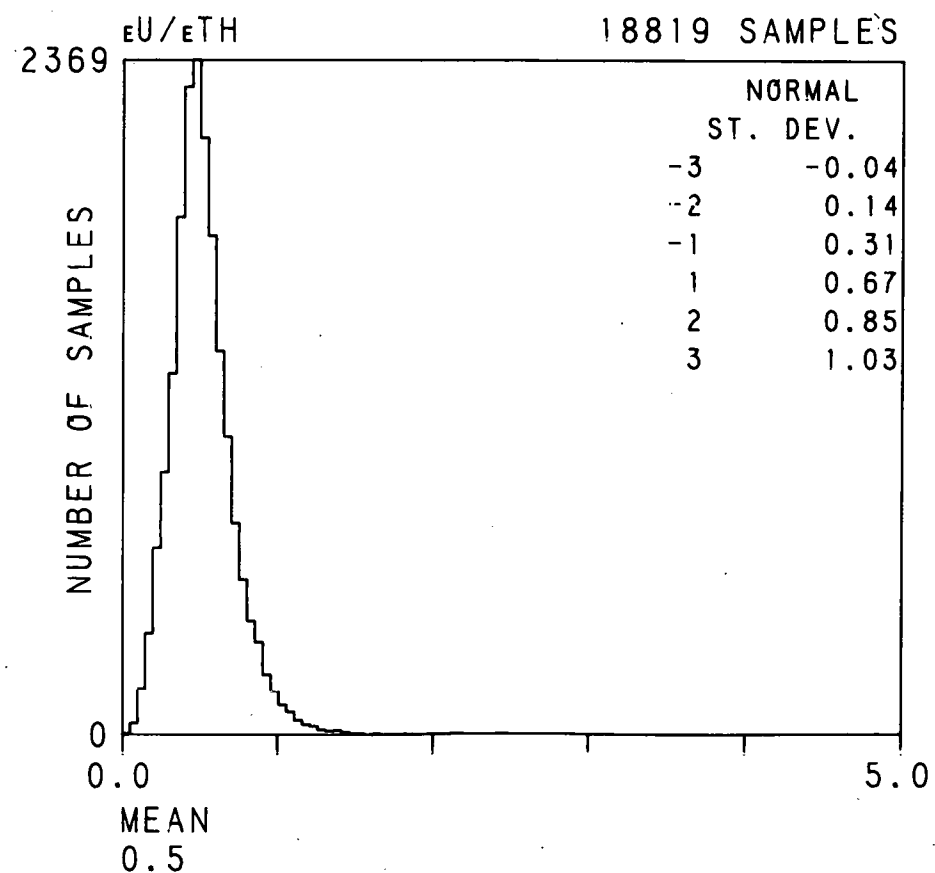
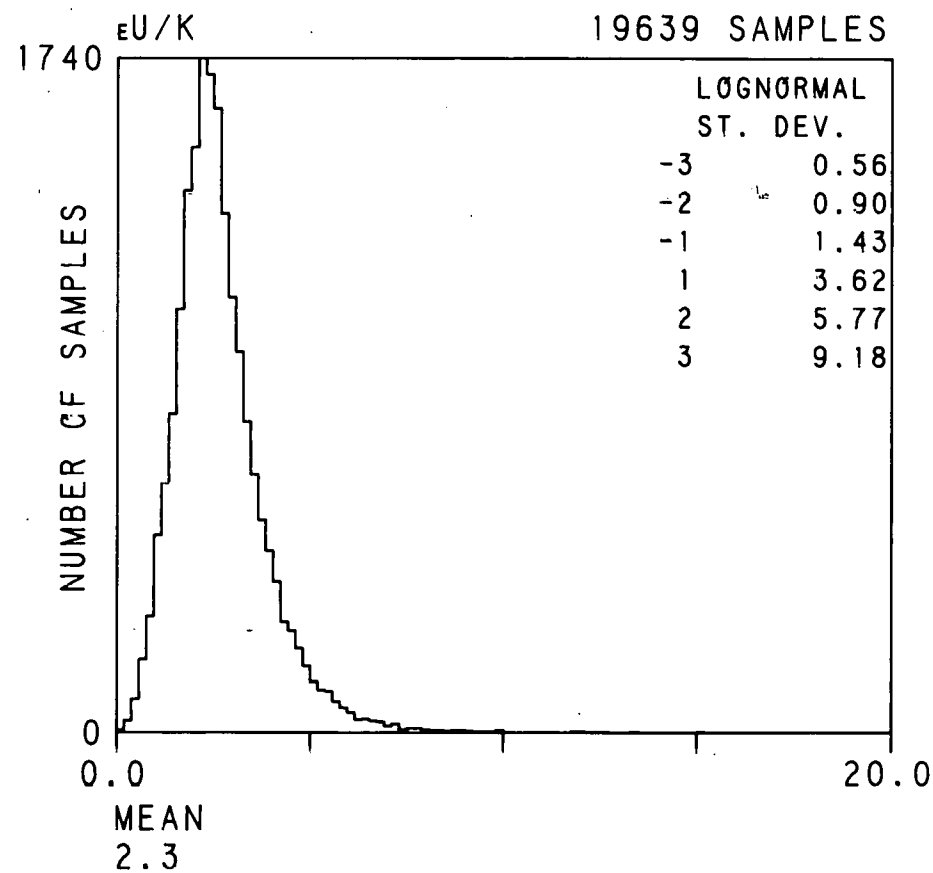
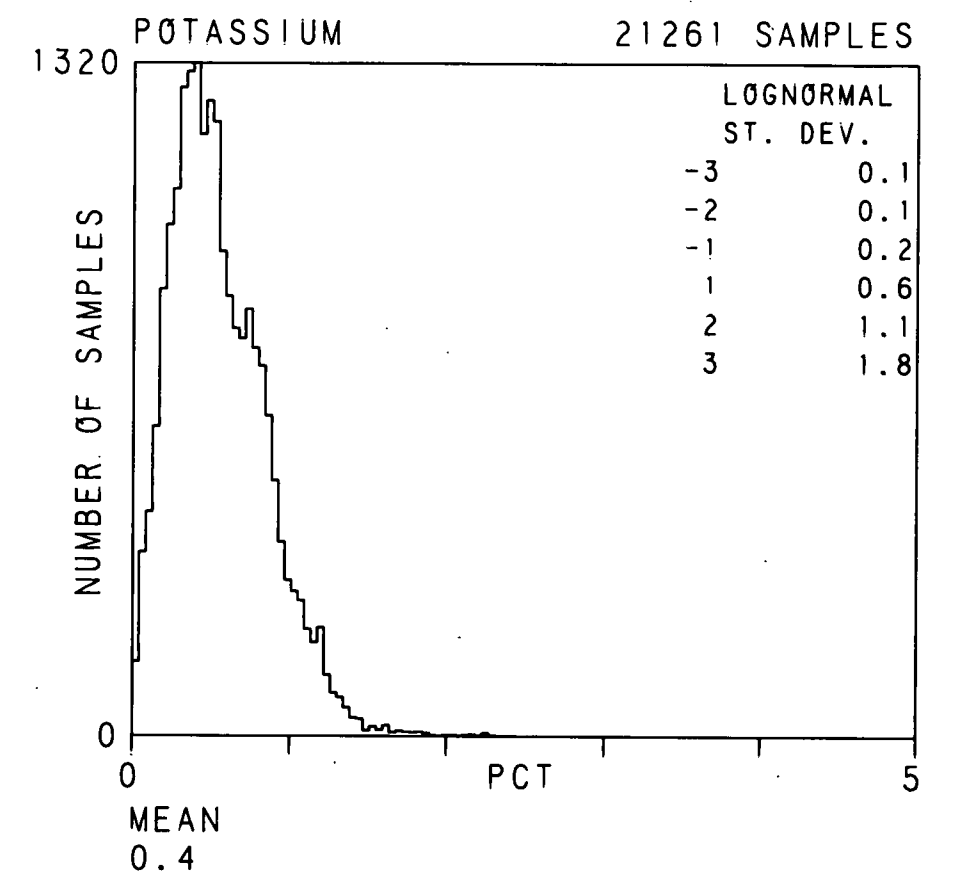
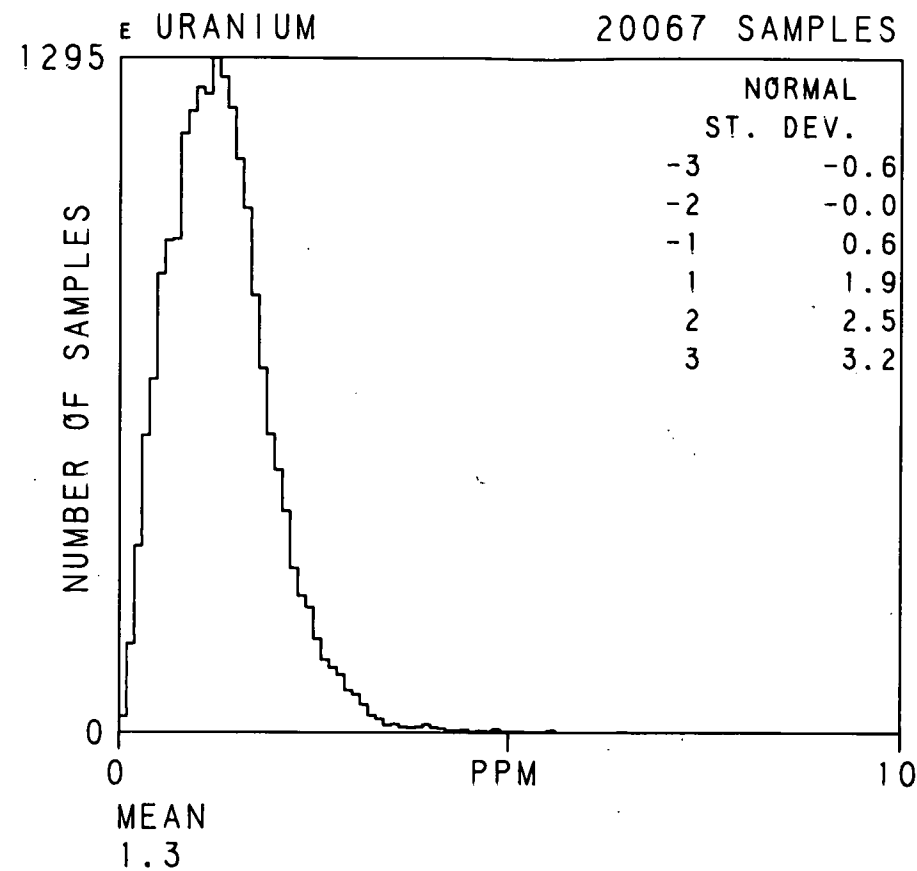
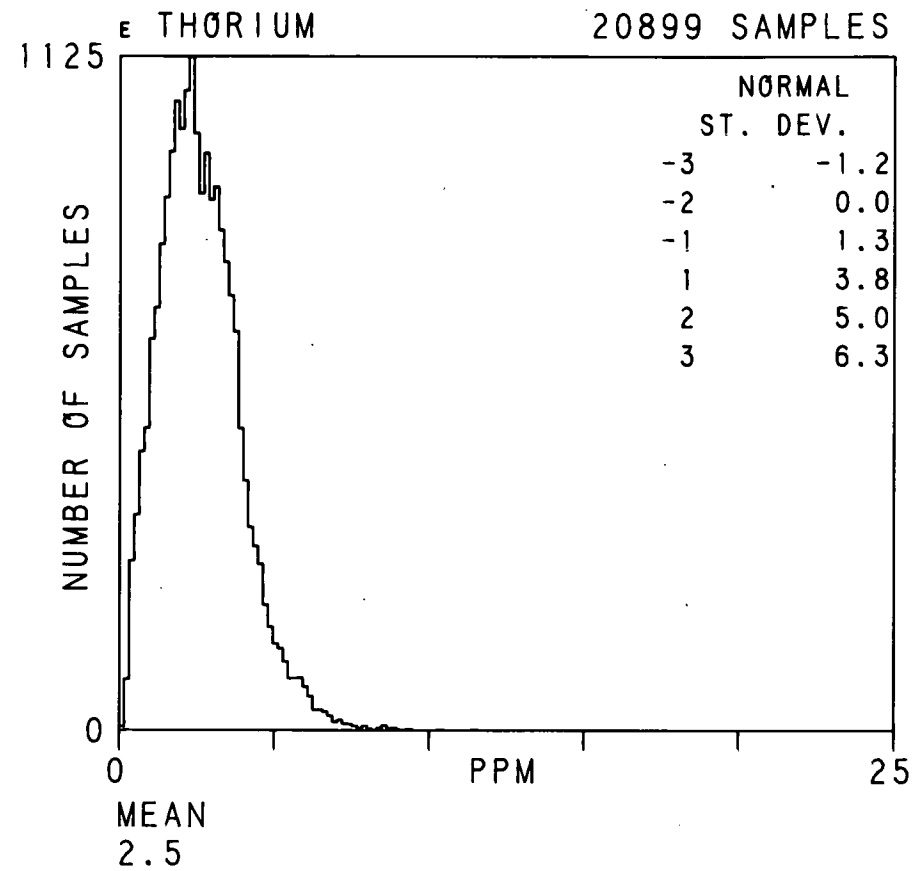
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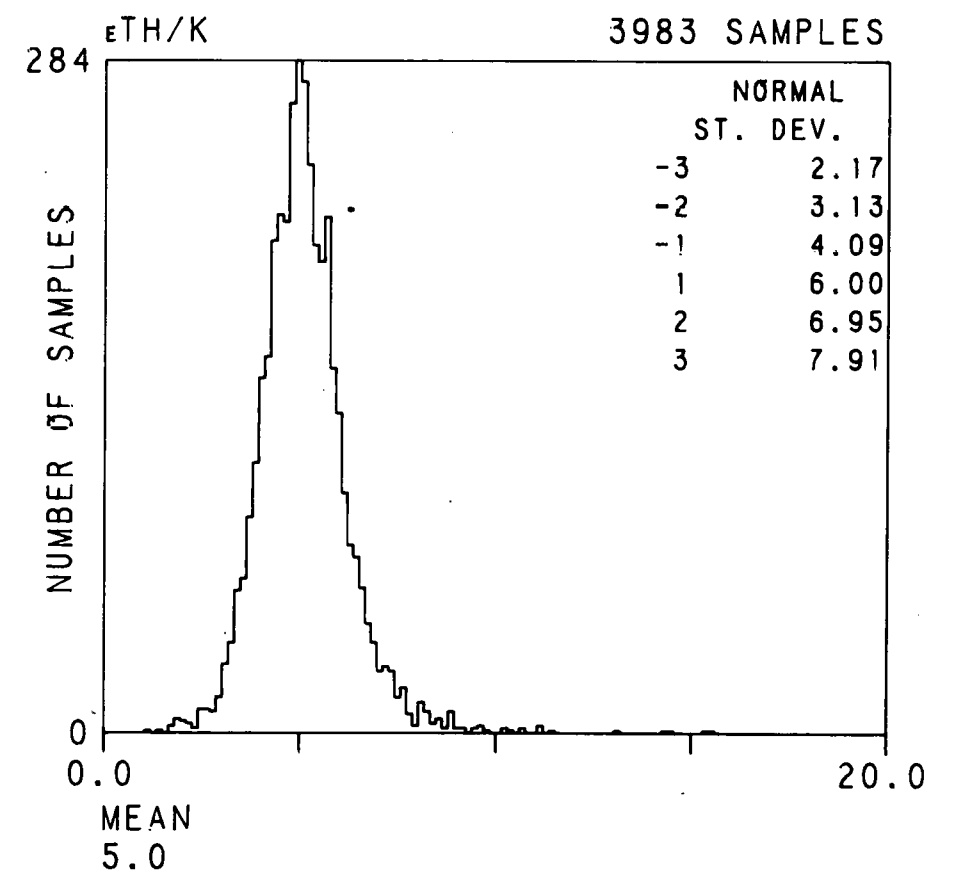
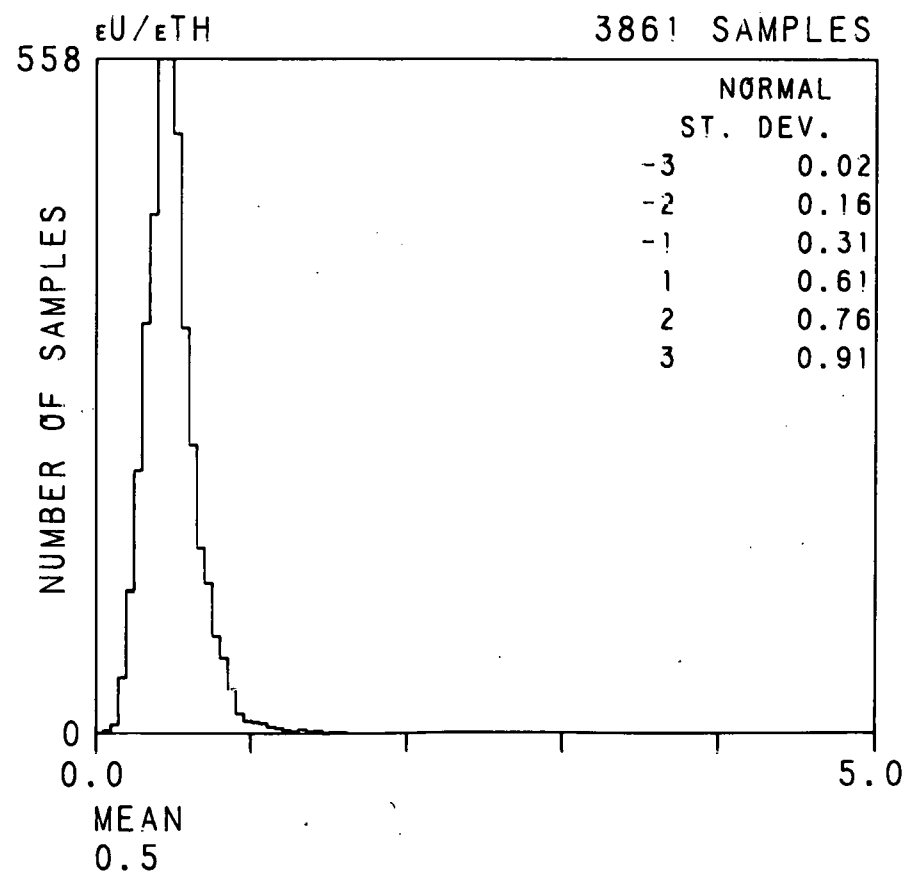
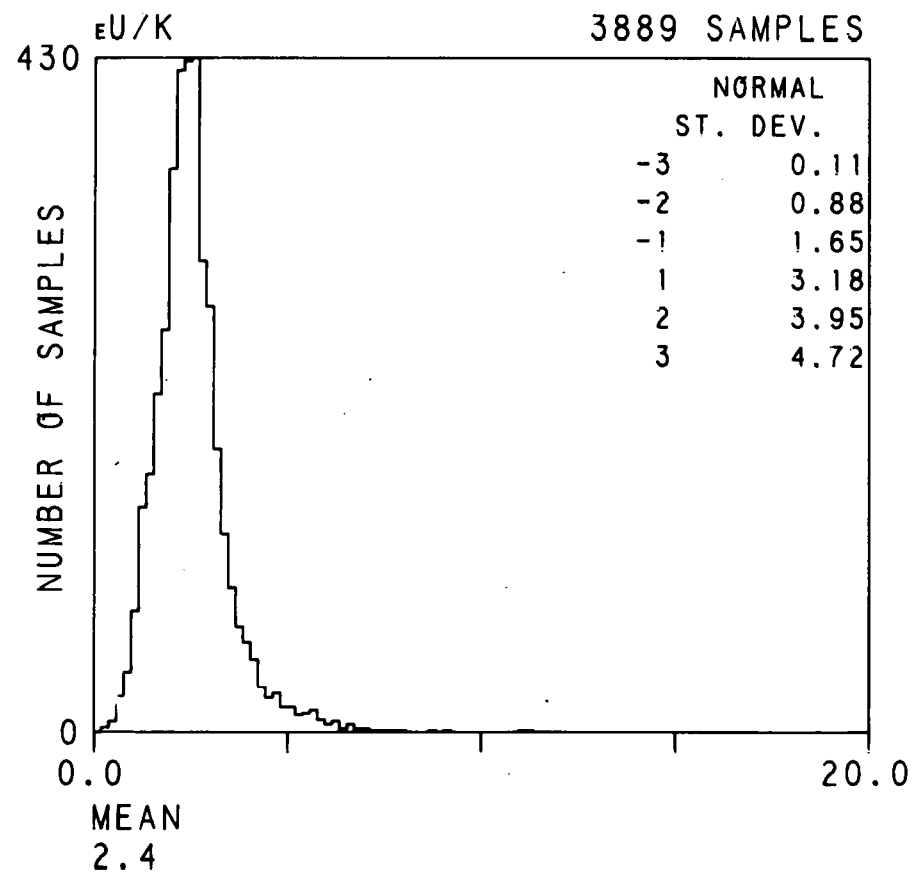
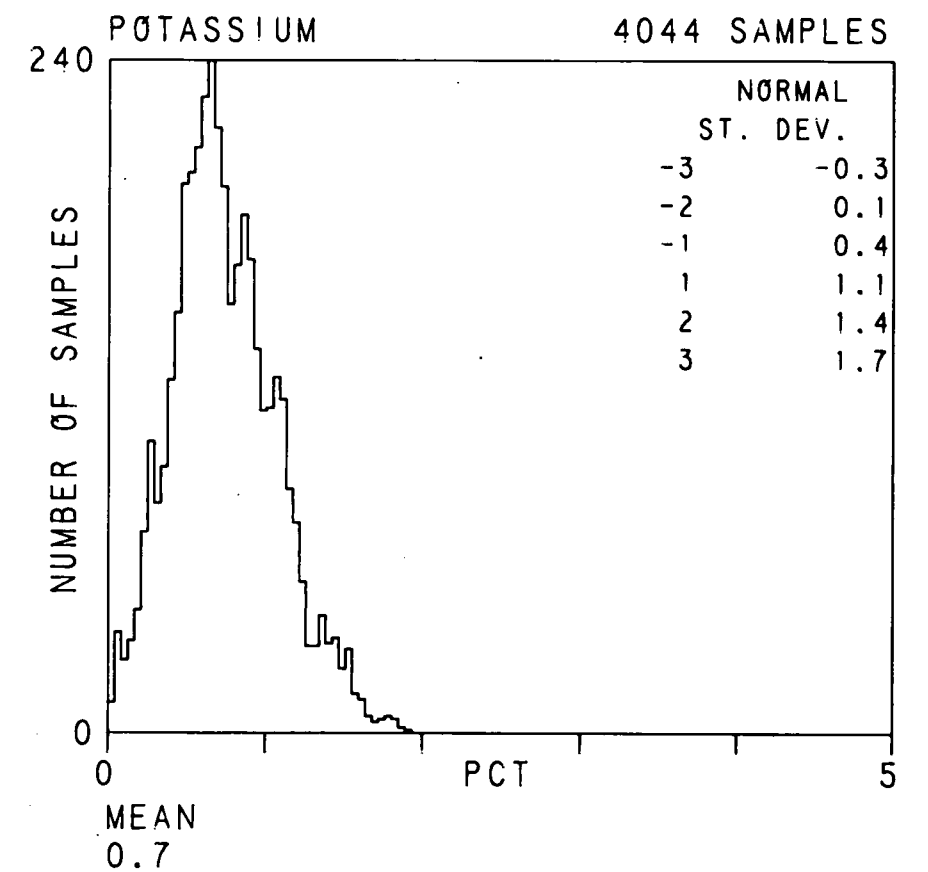
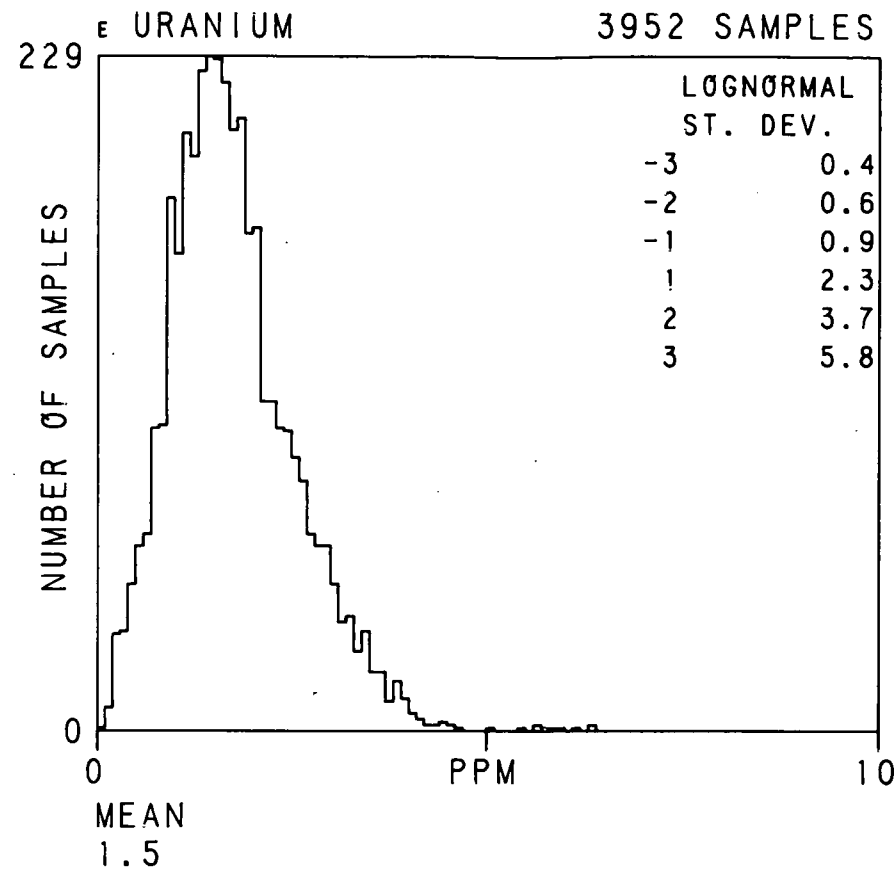
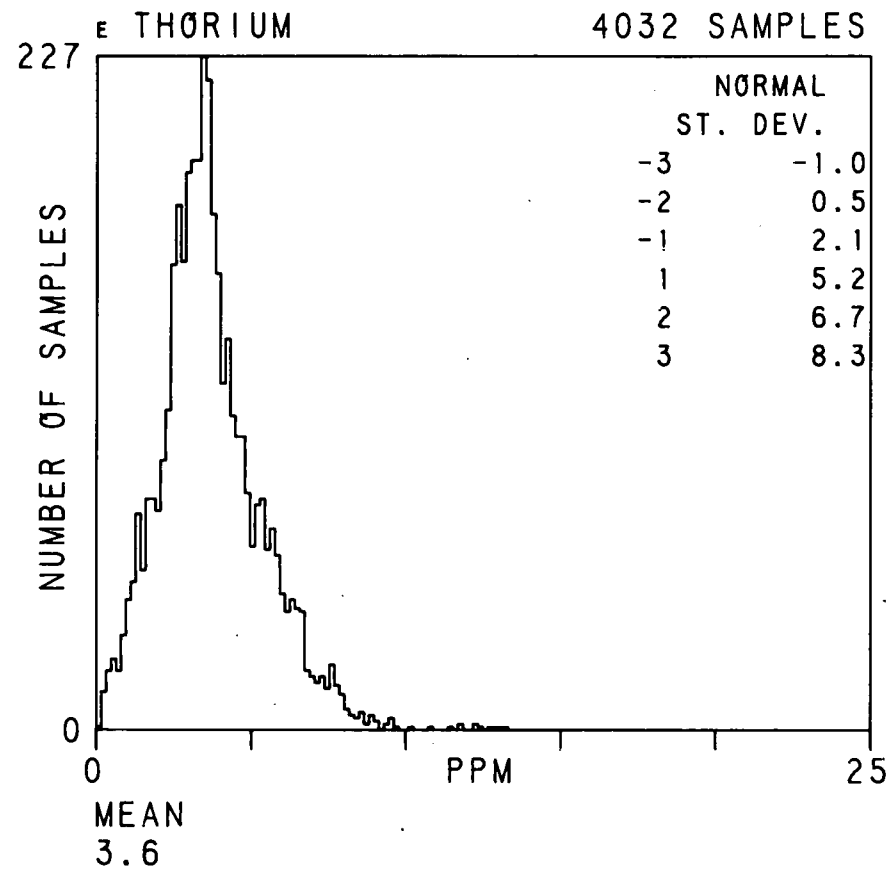


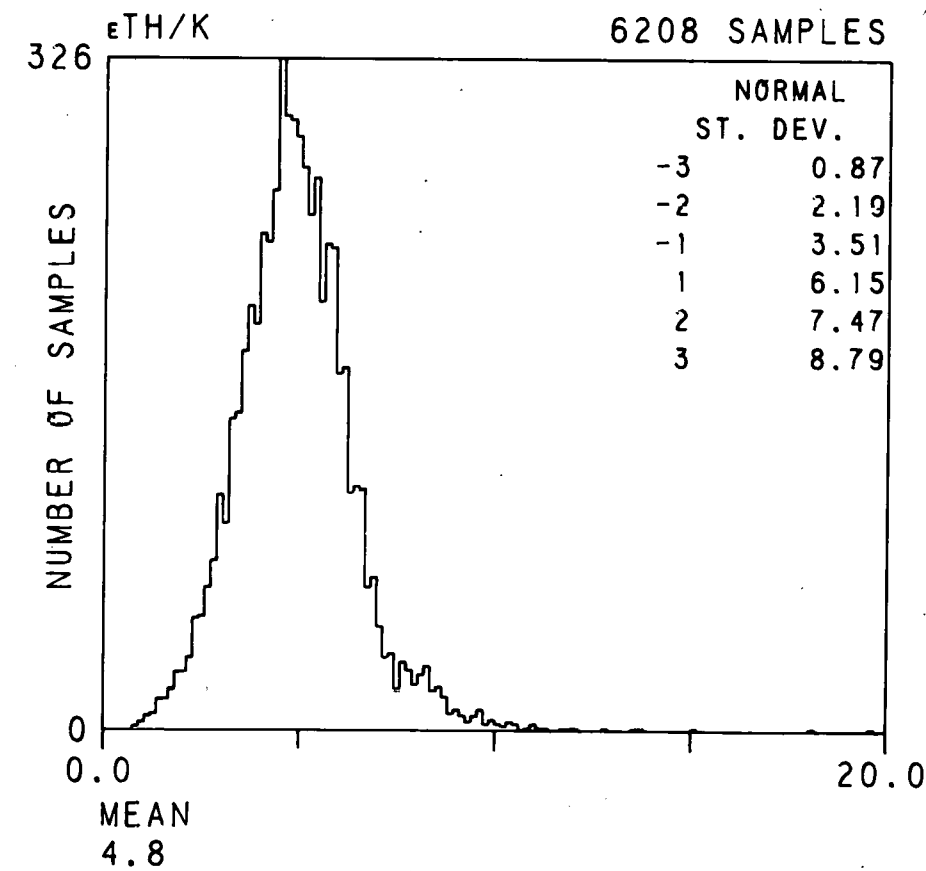
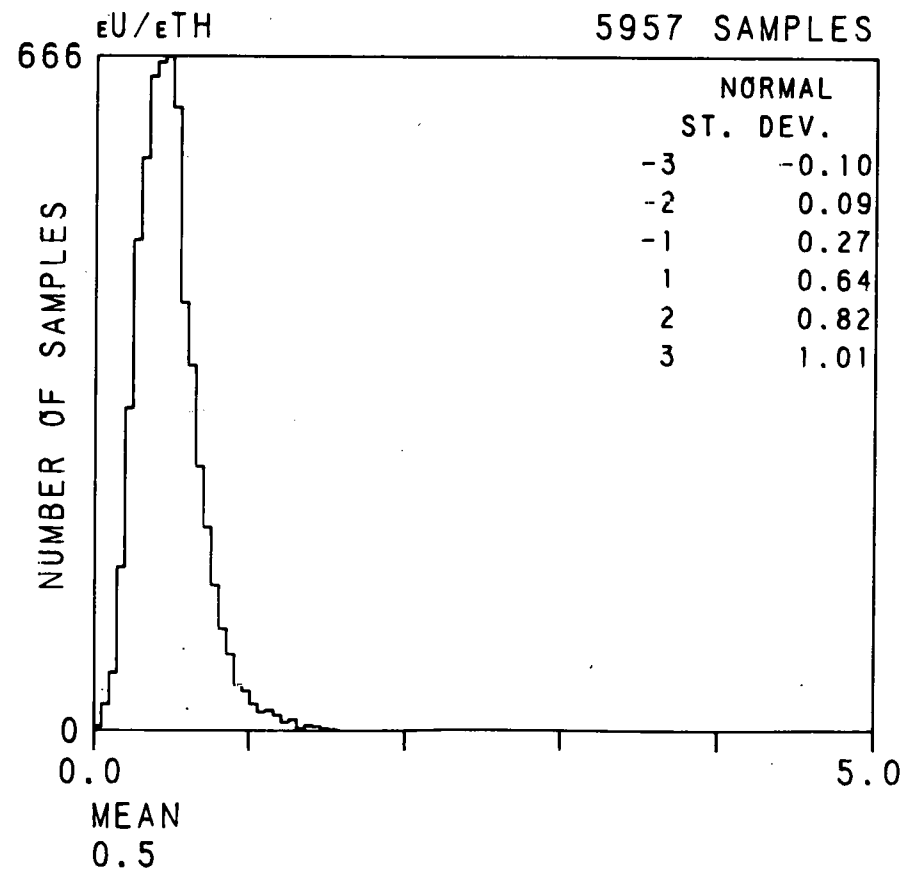
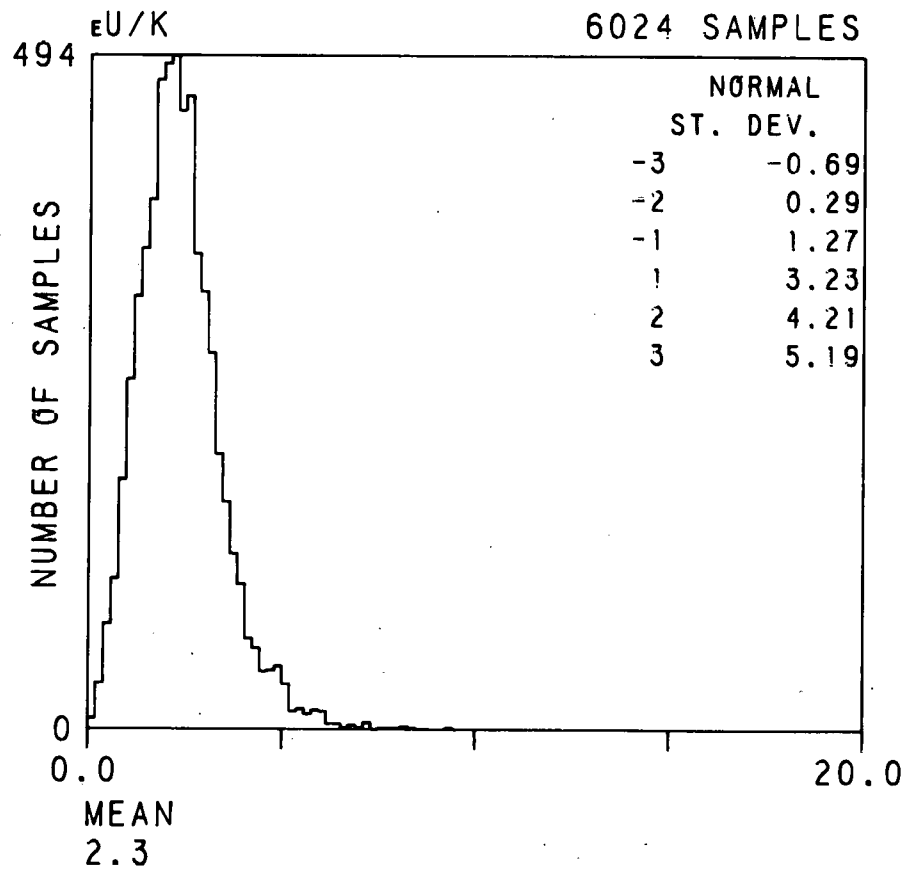
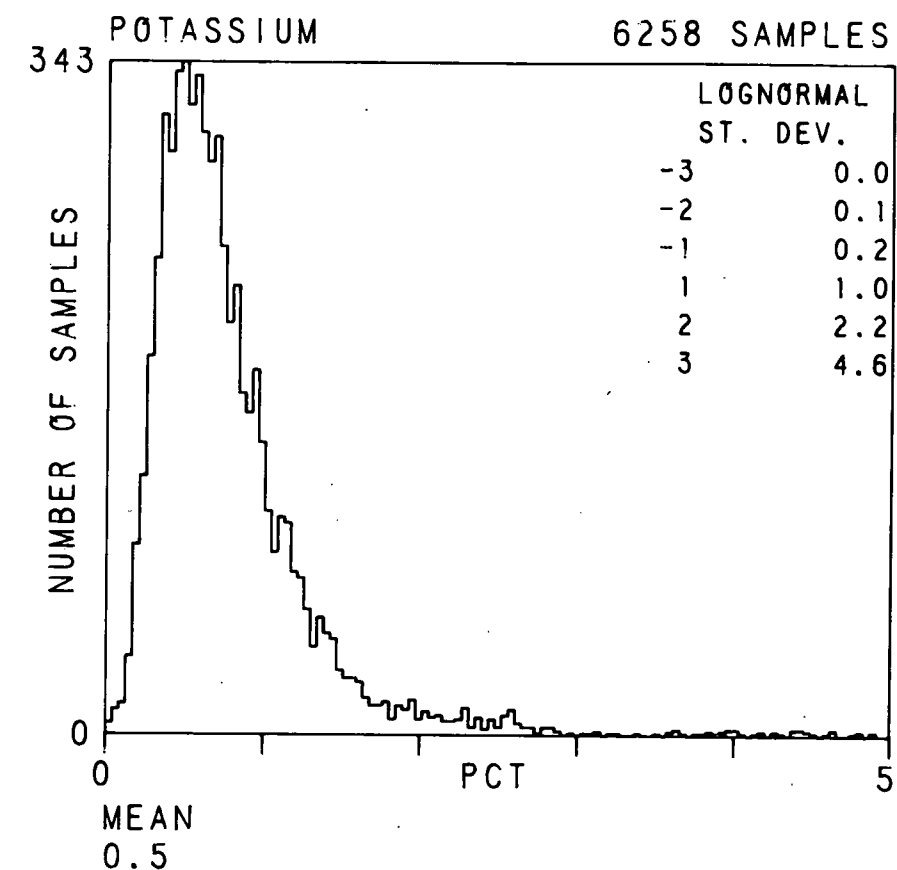
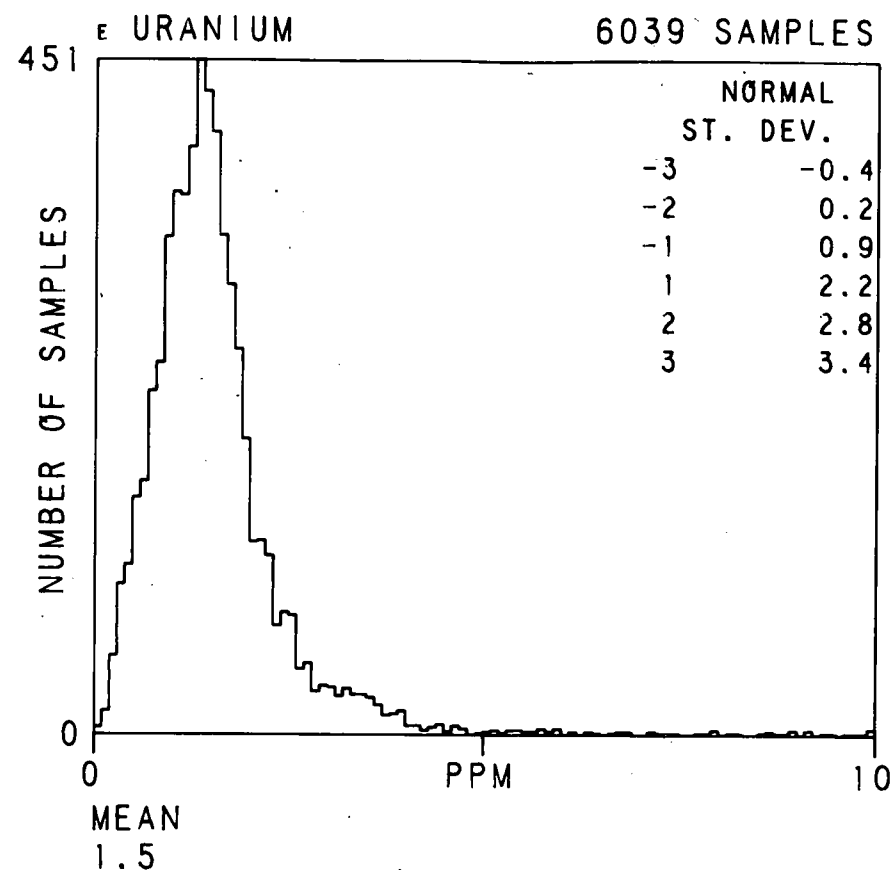
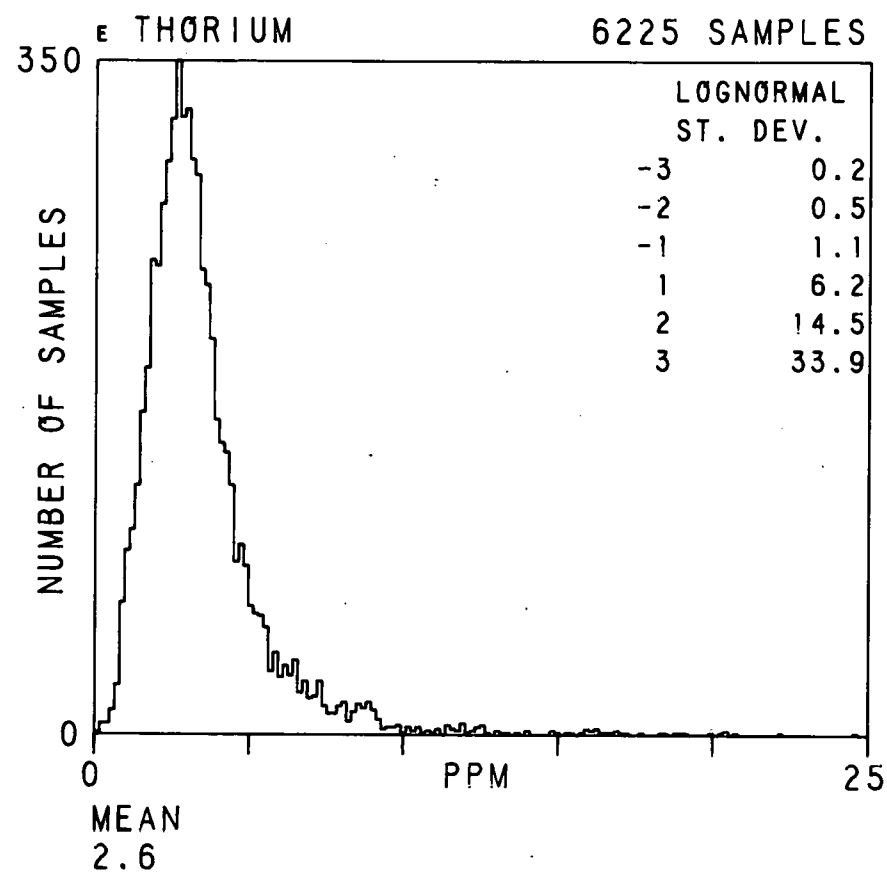
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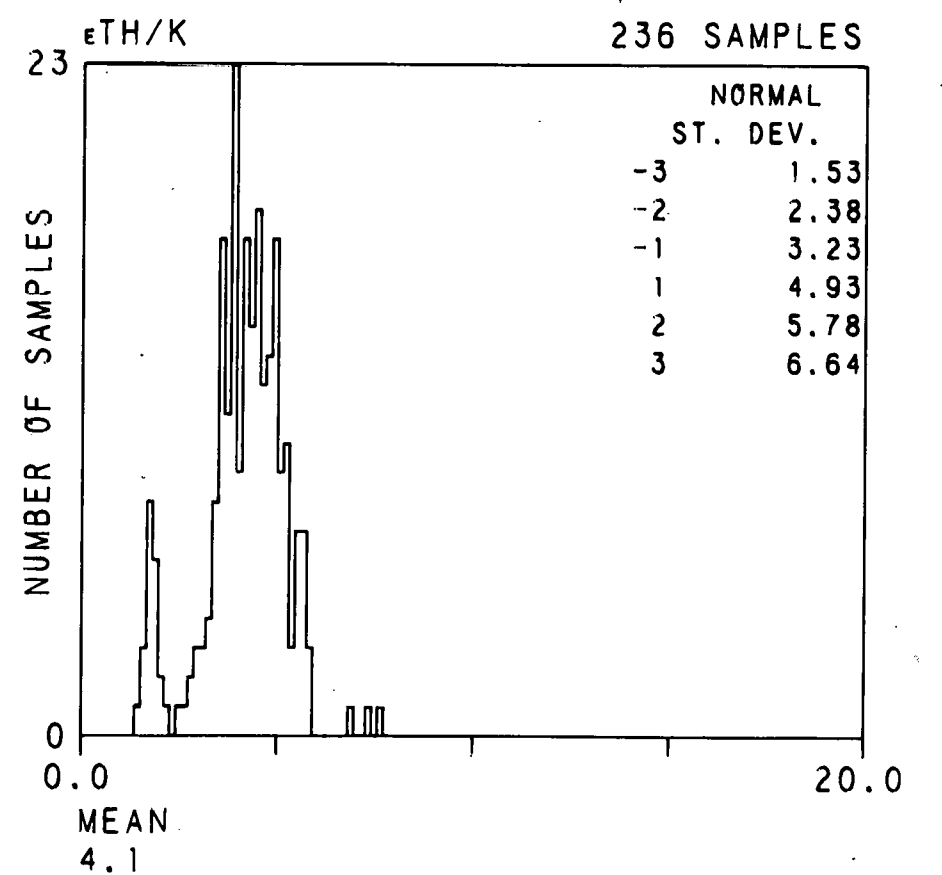
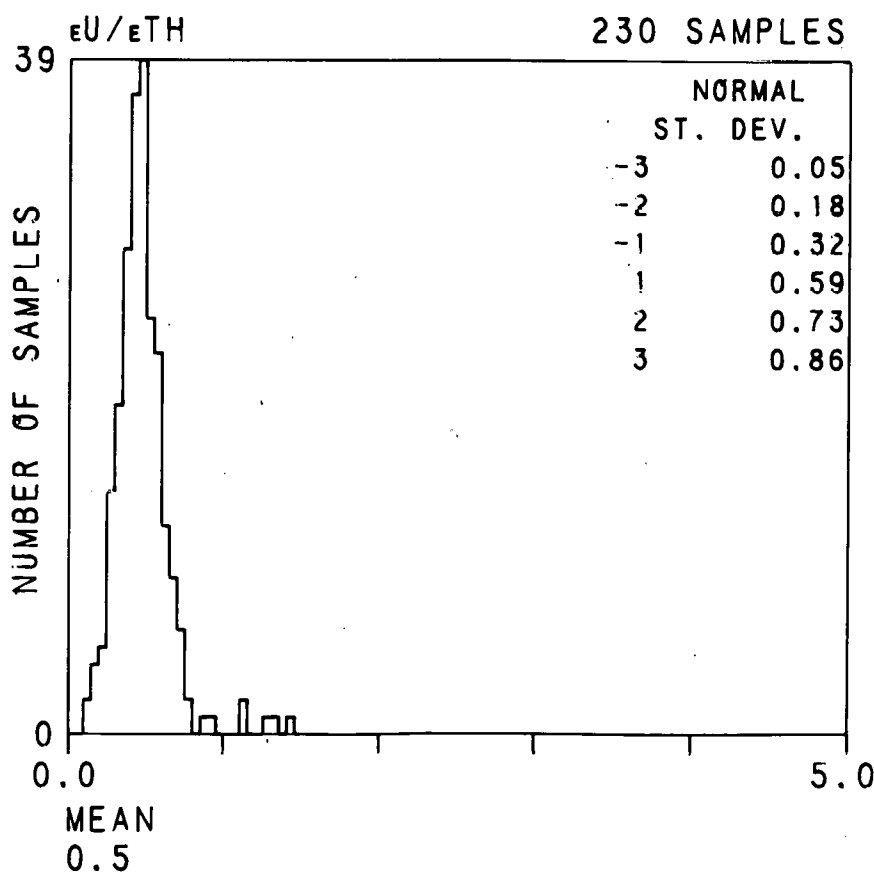
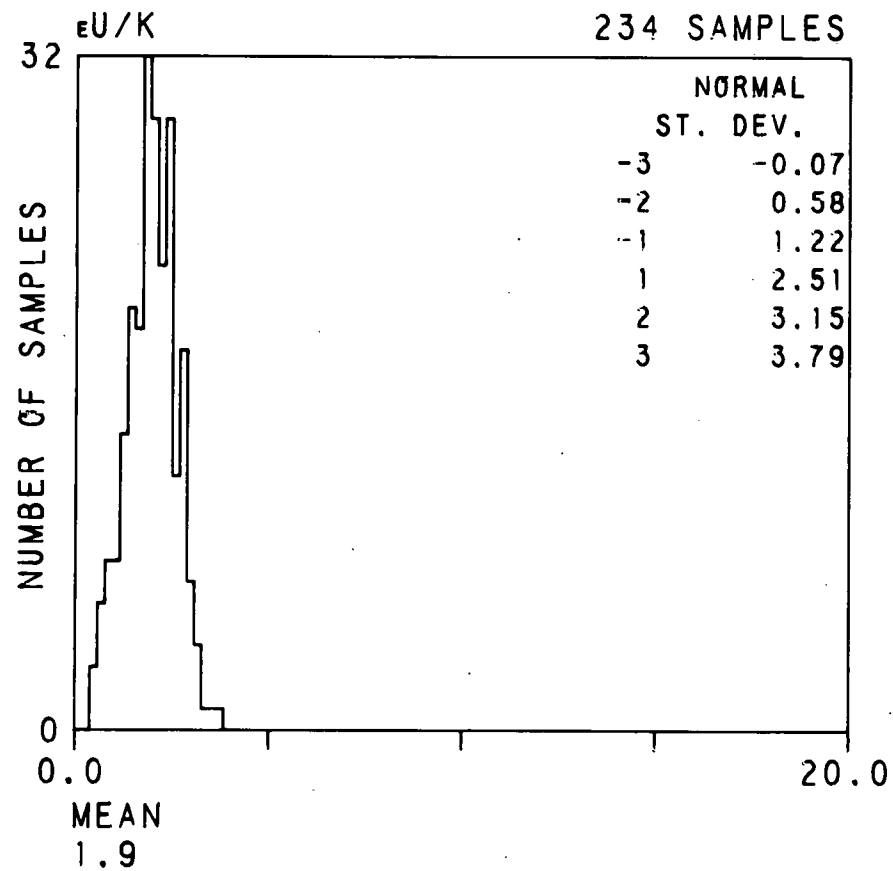
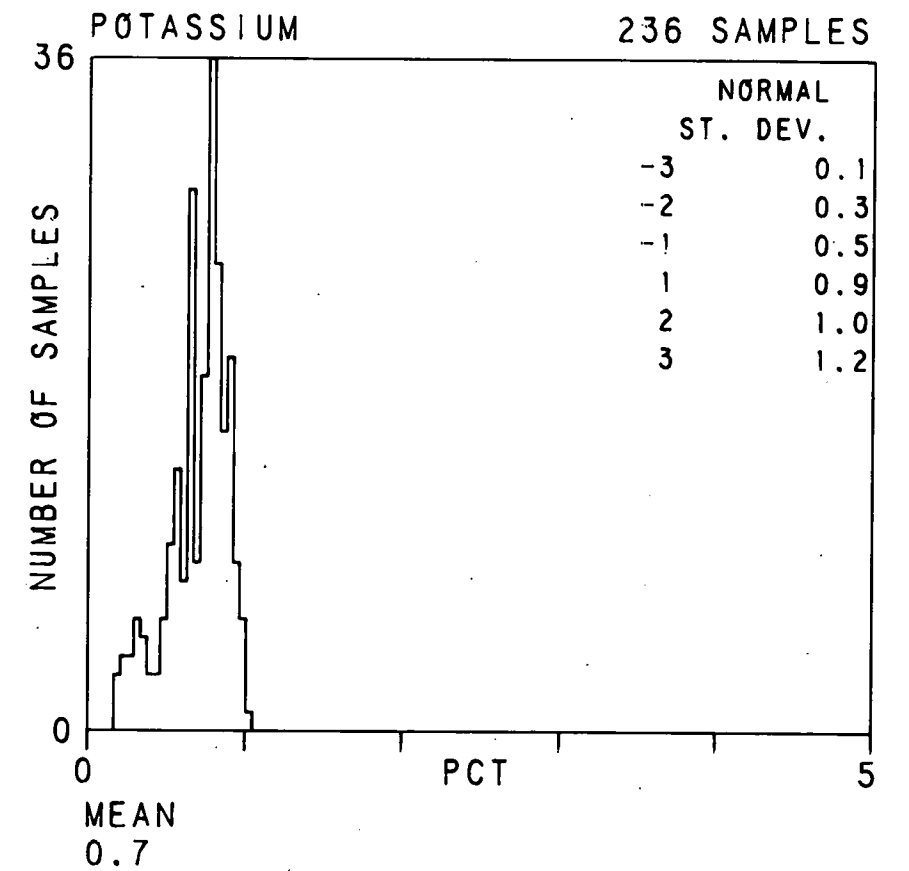
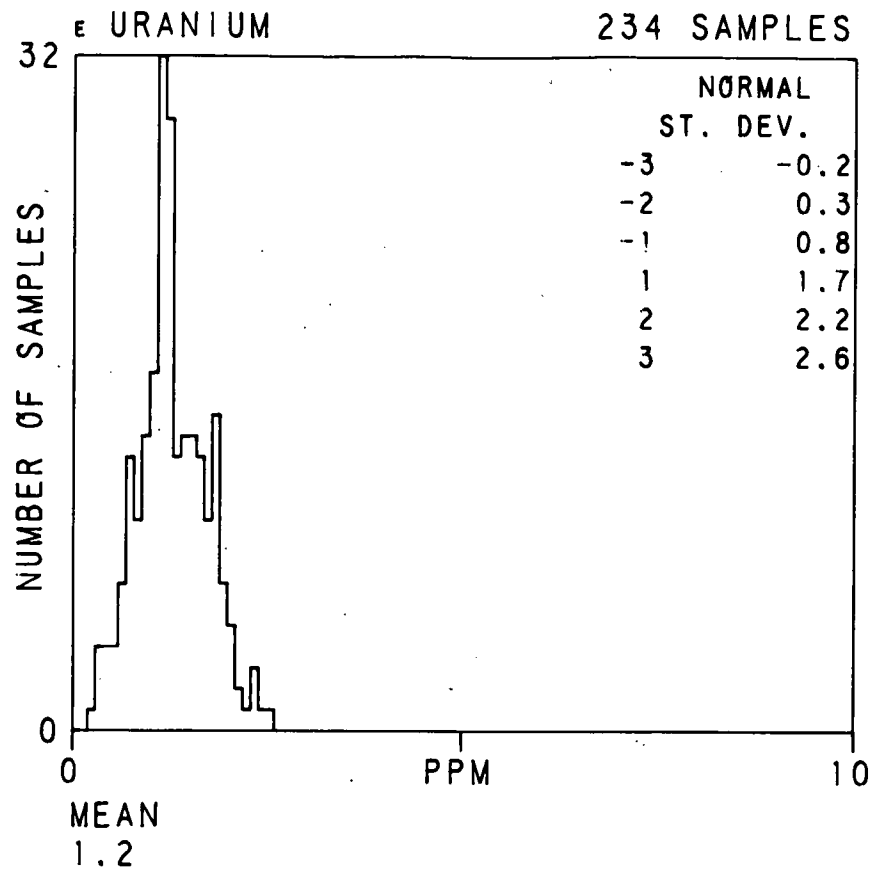
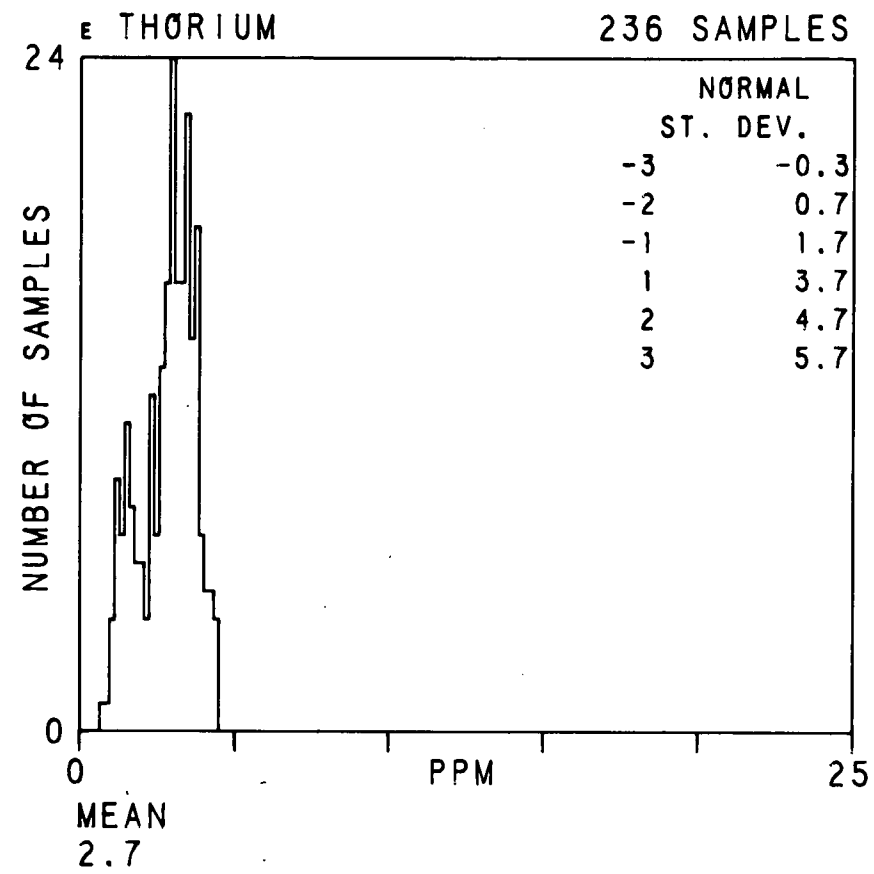
AERO SERVICE
 JOB 9608
 FLOWN 1979

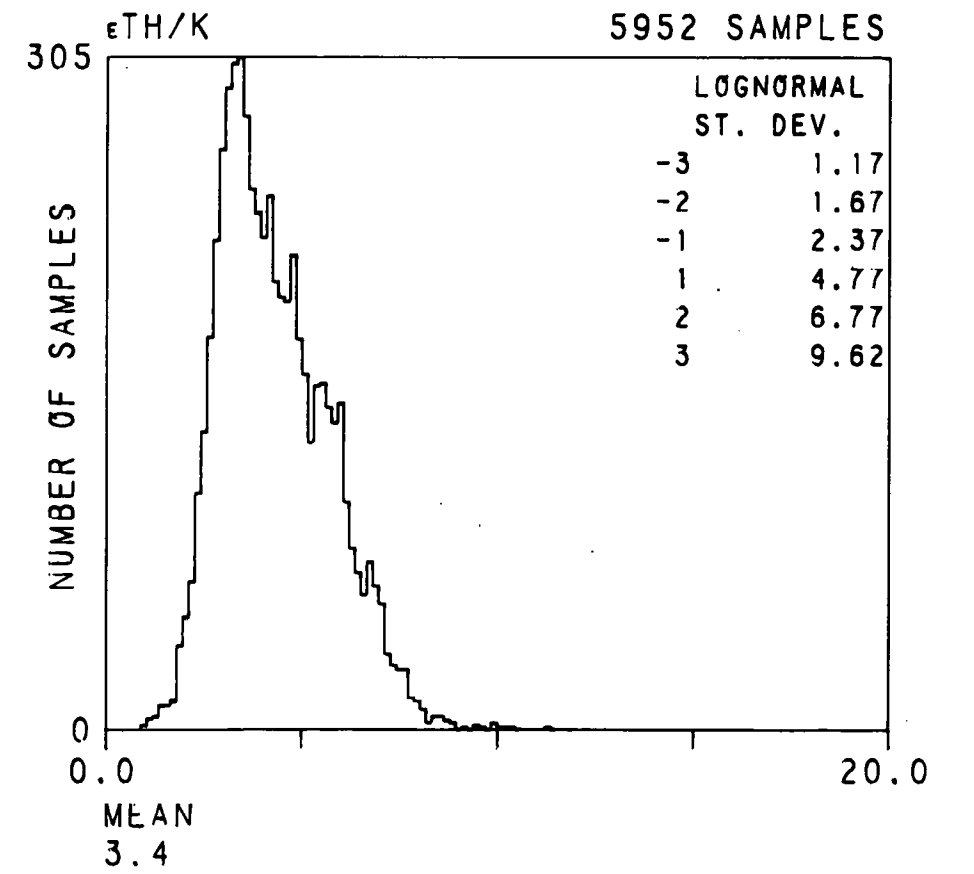
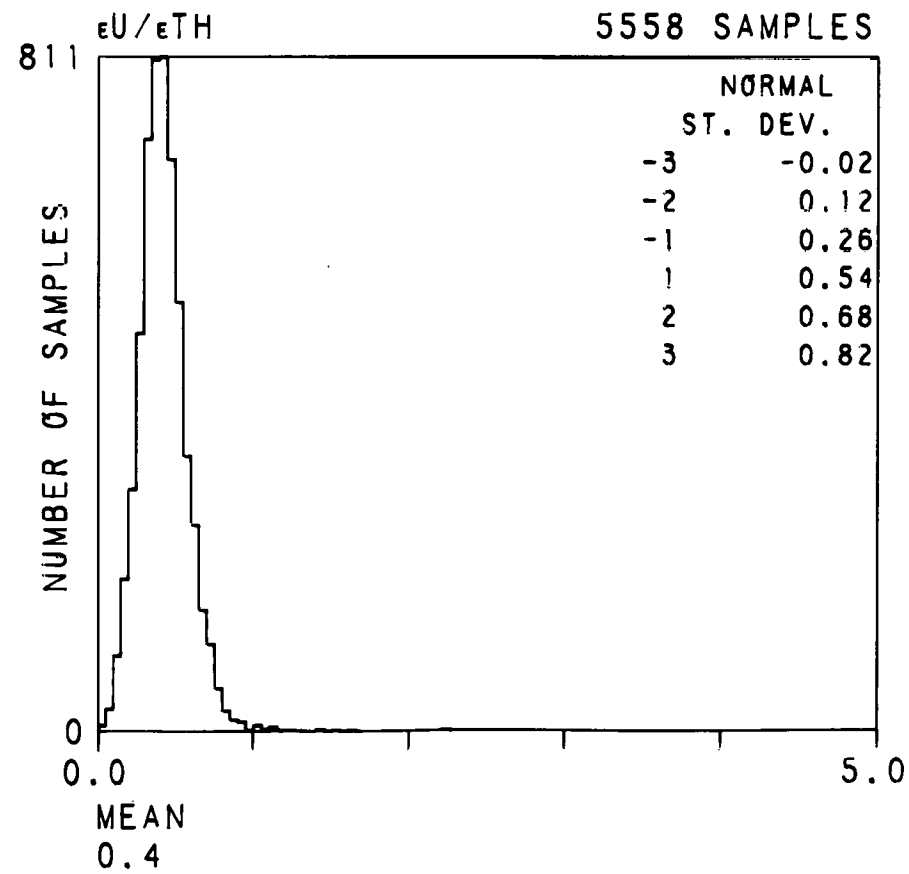
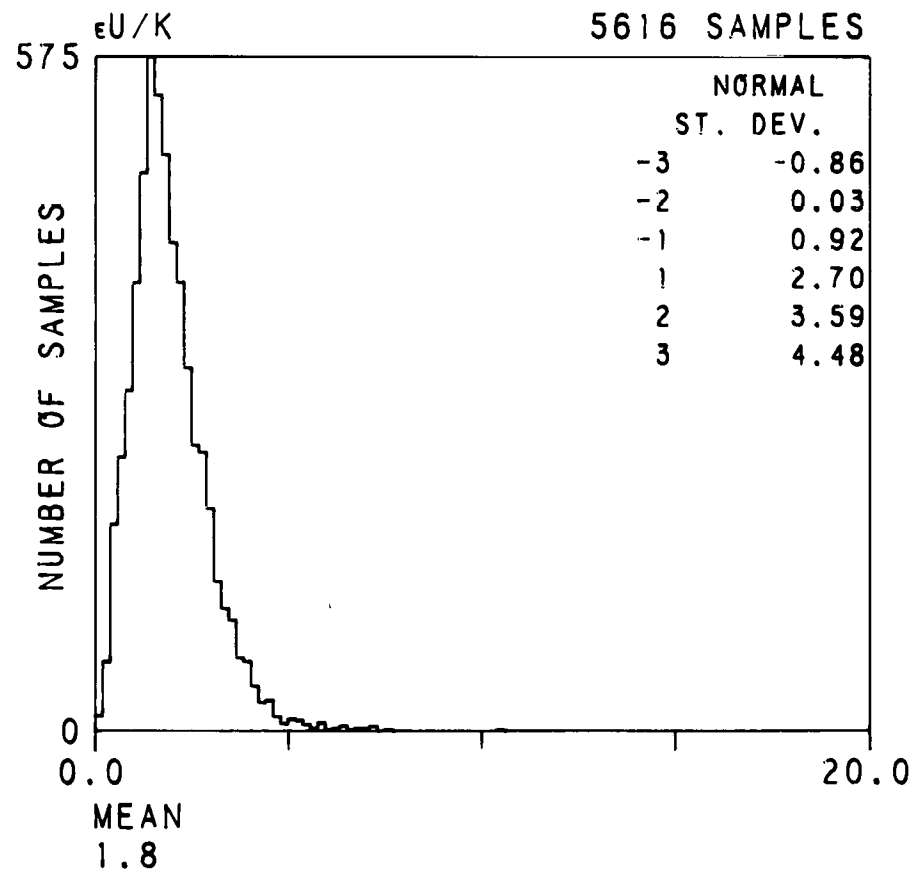
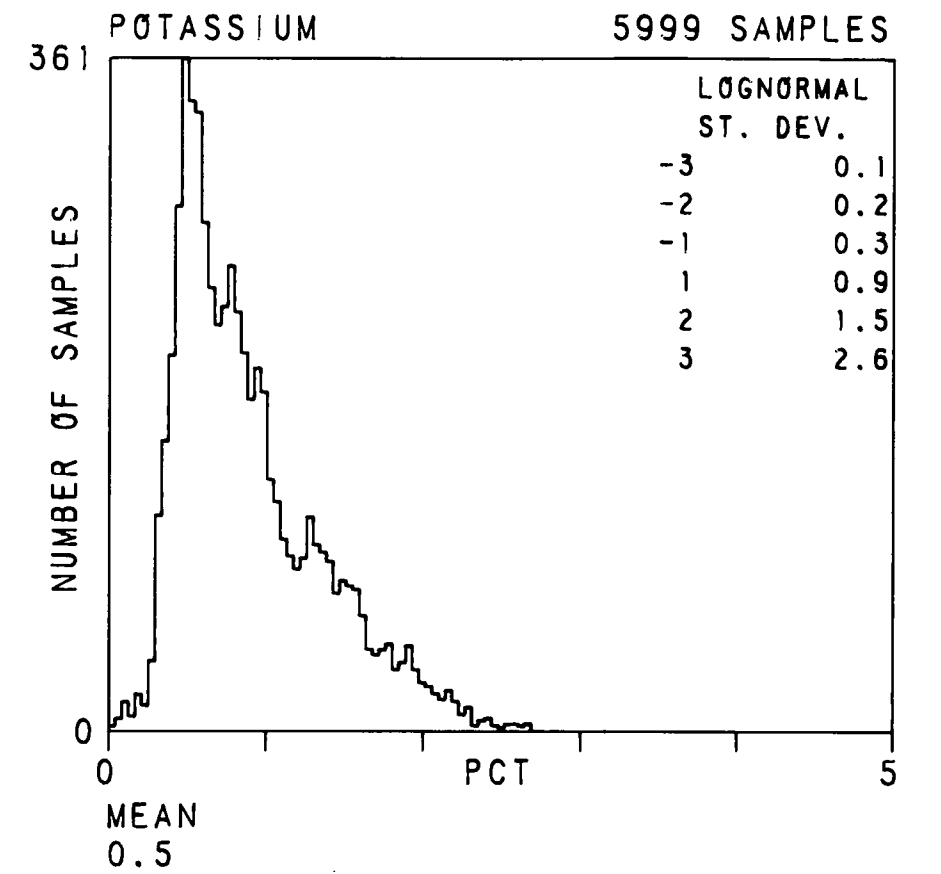
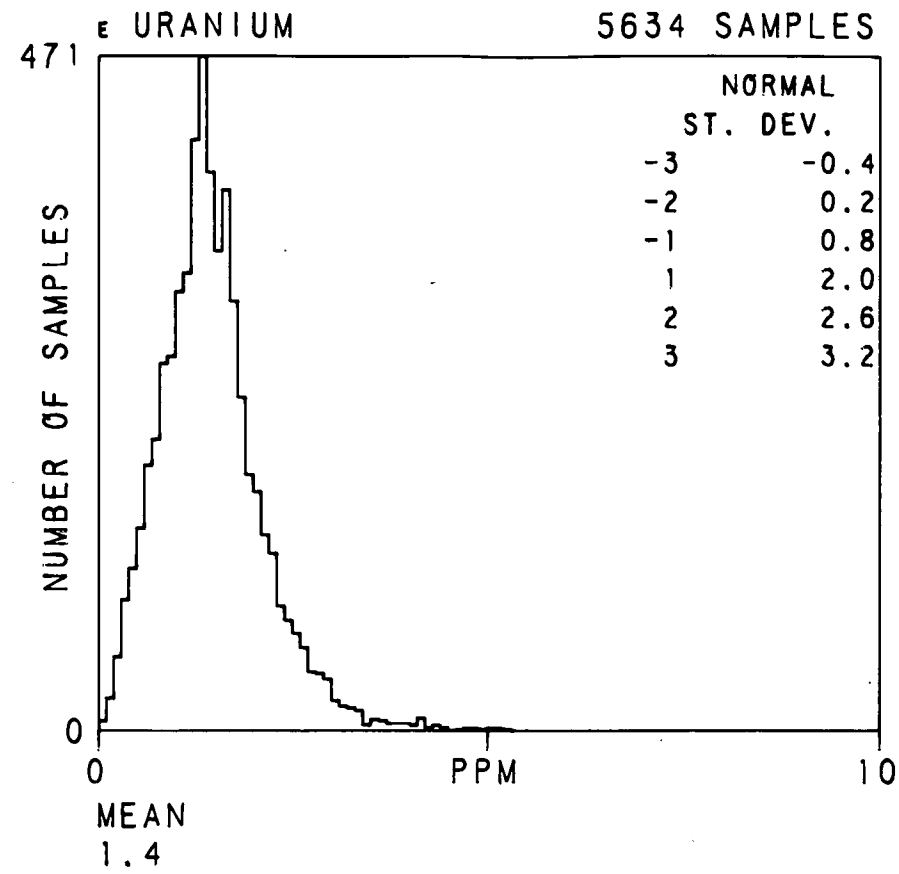
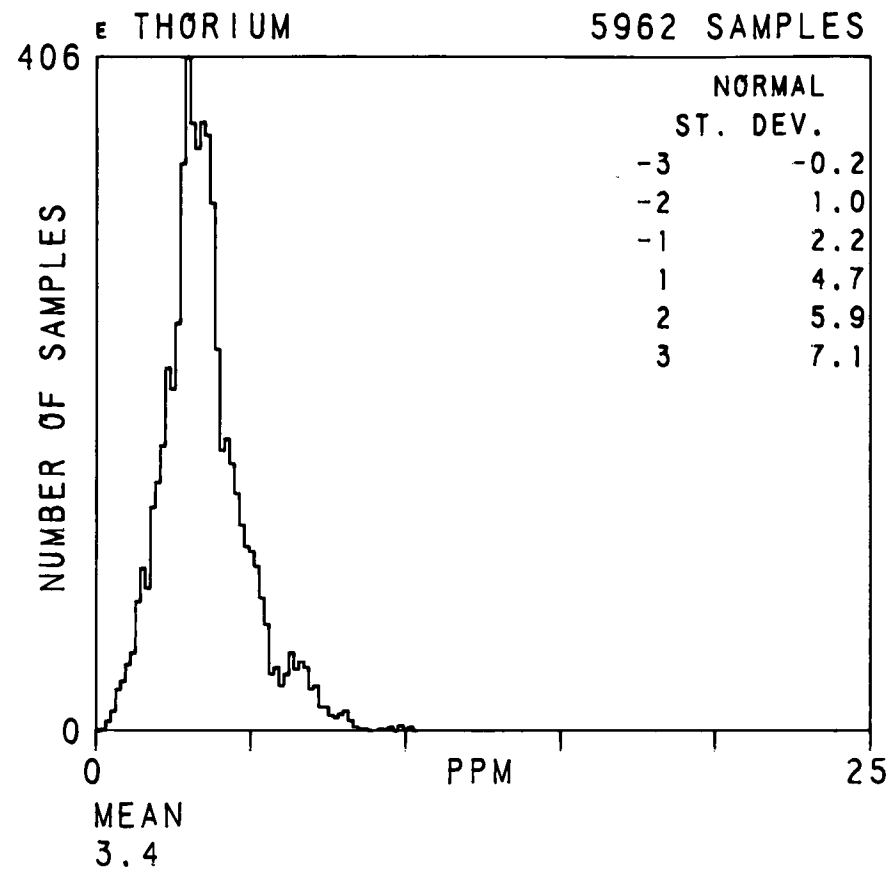
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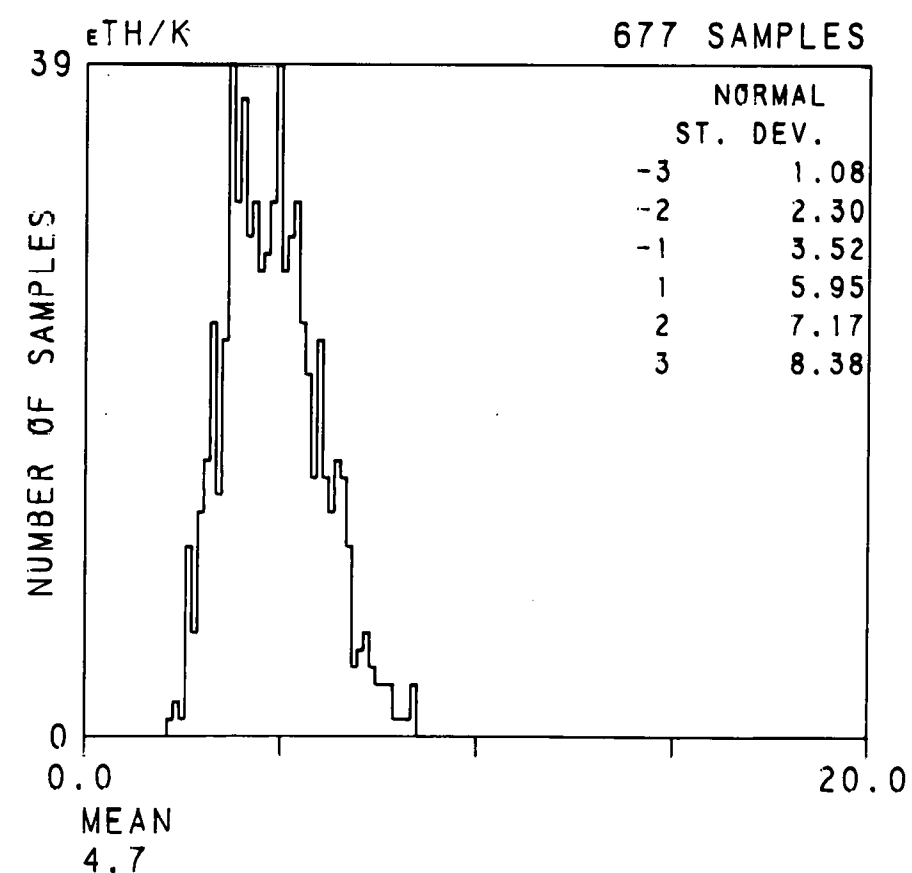
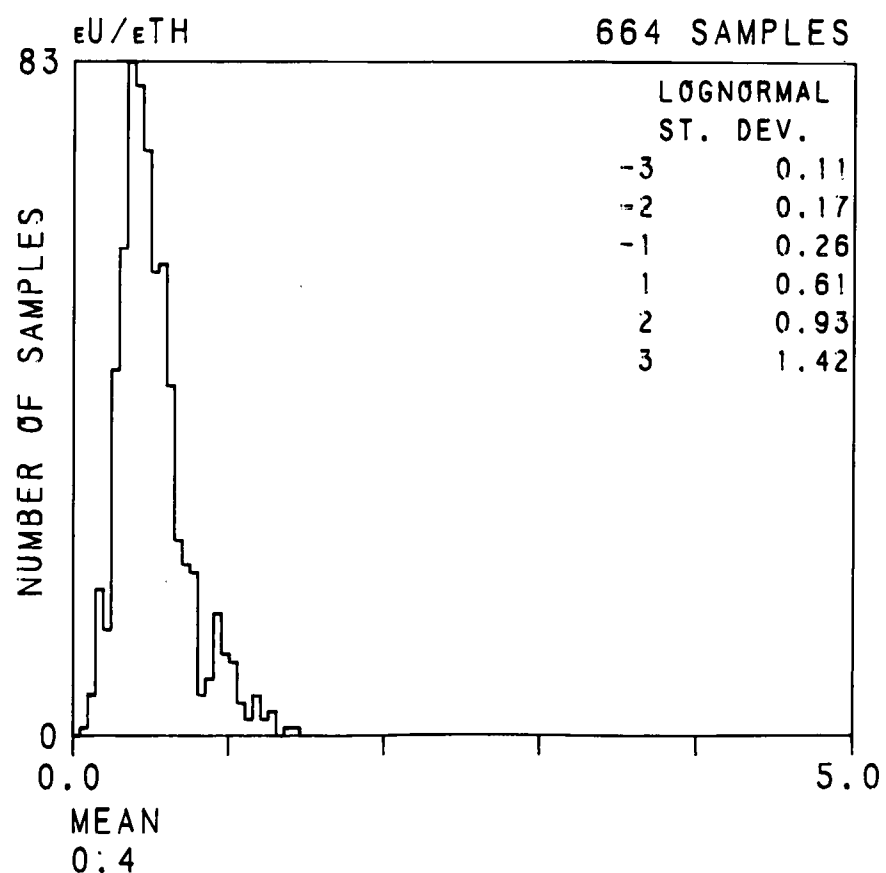
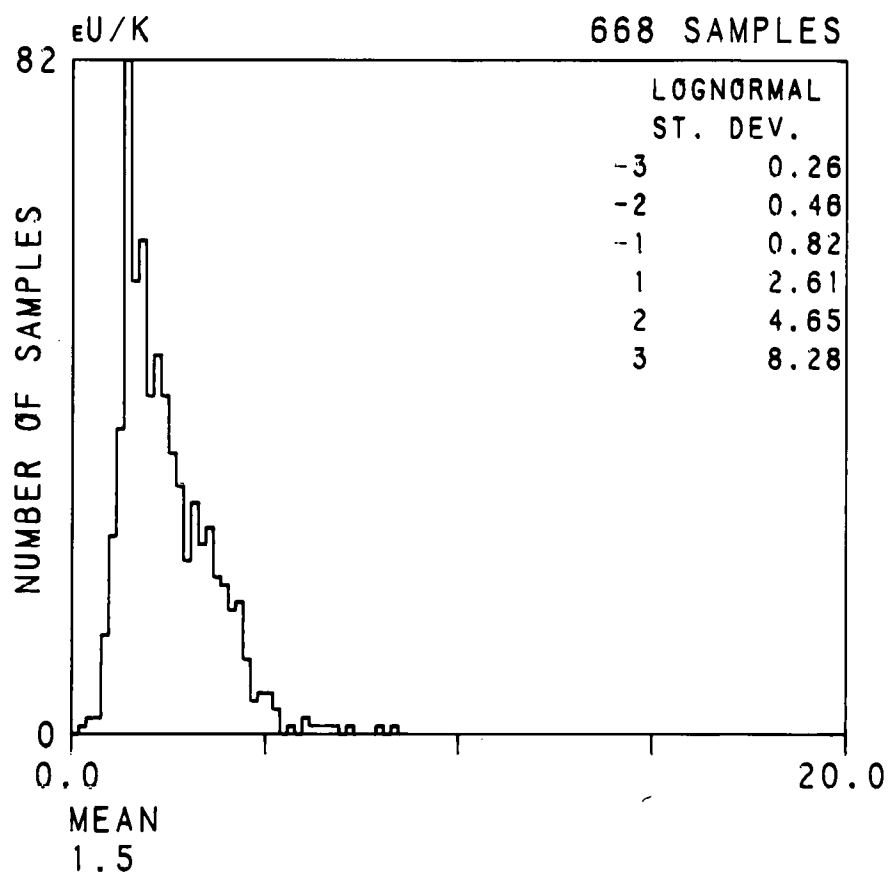
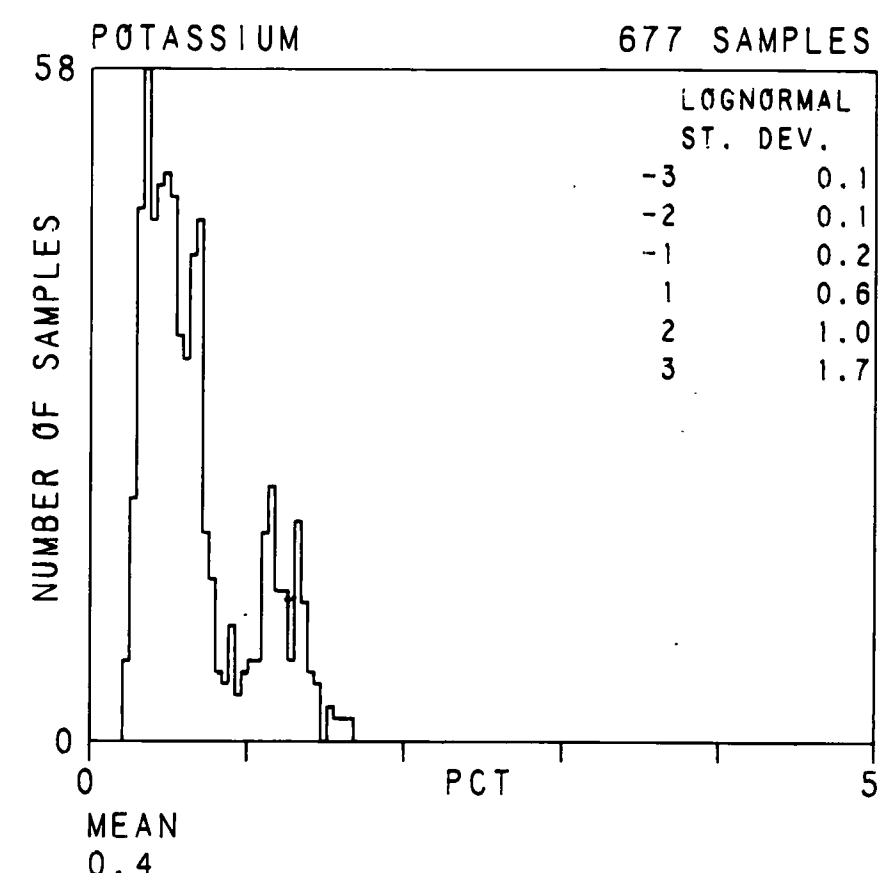
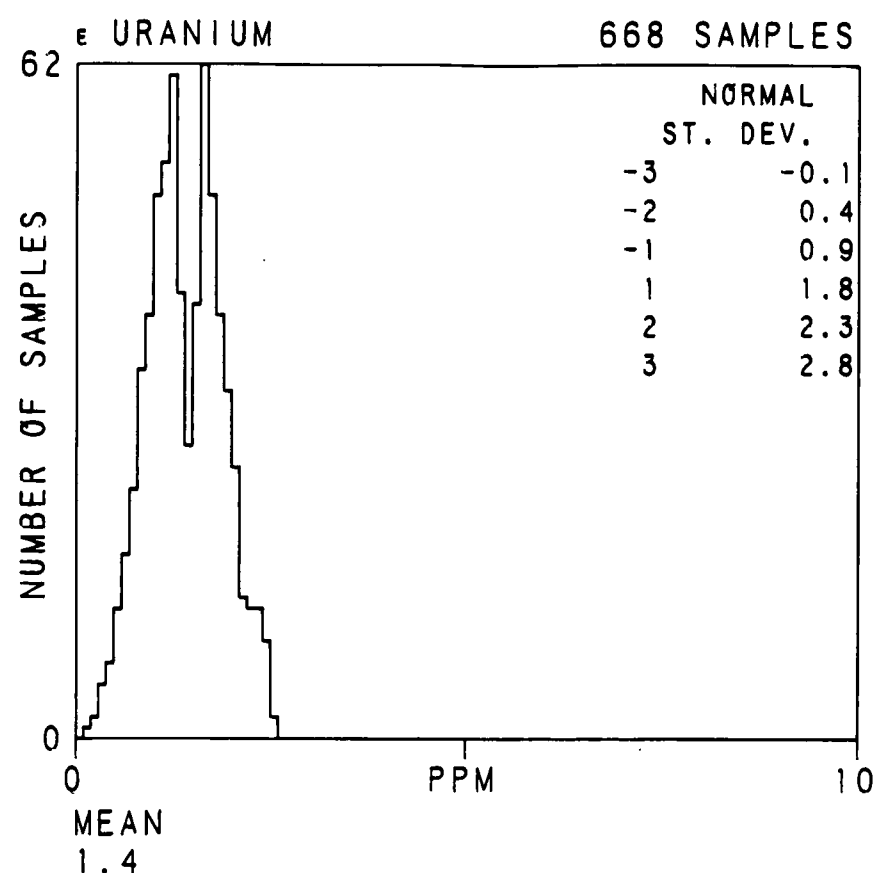
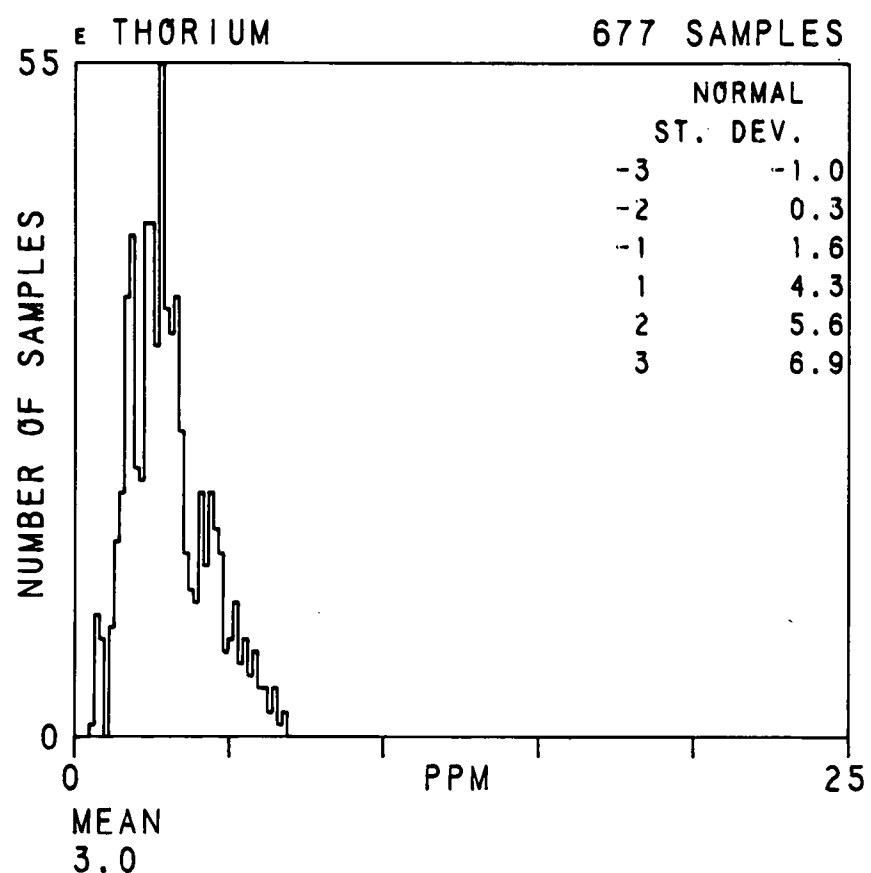


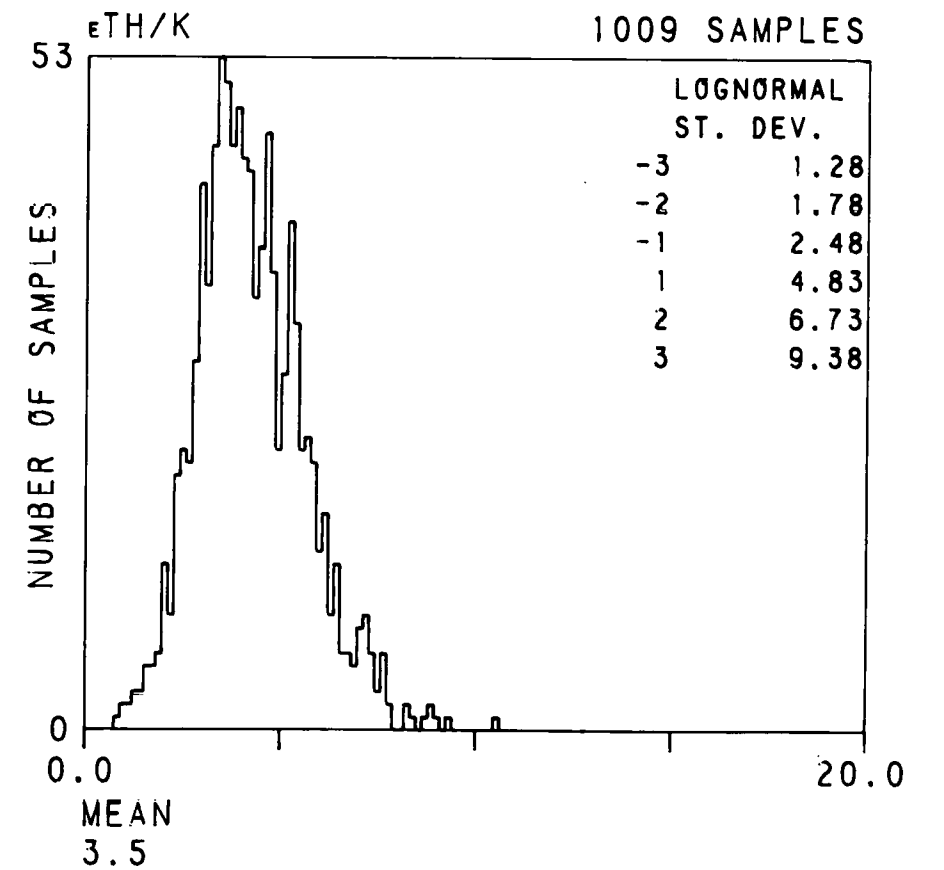
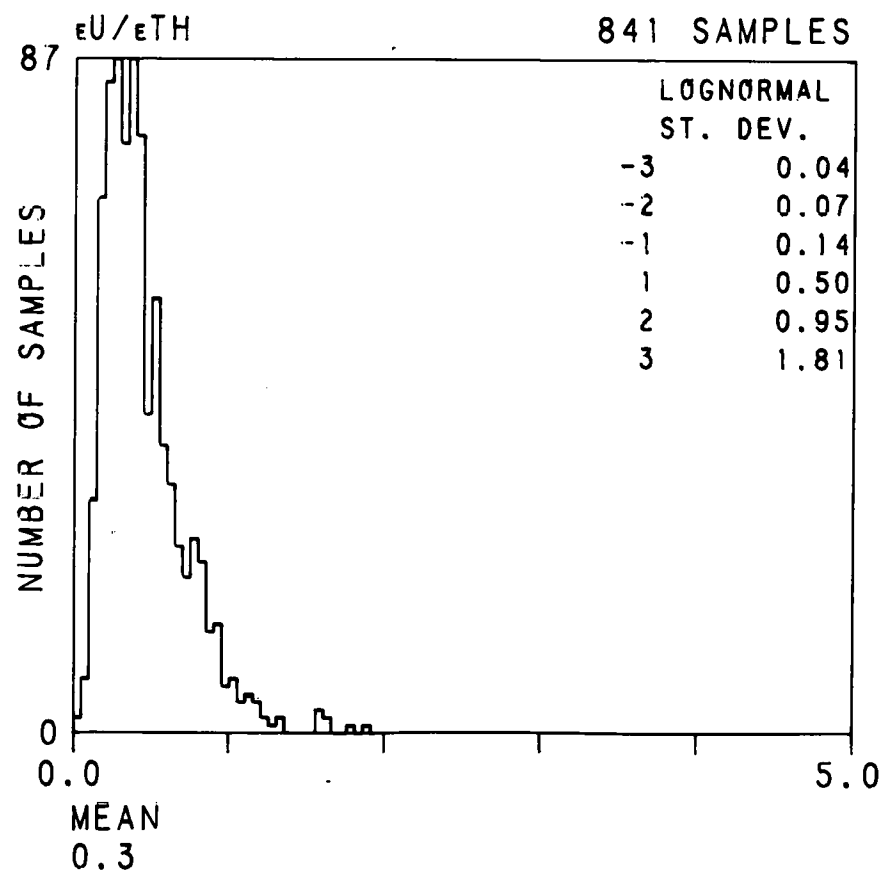
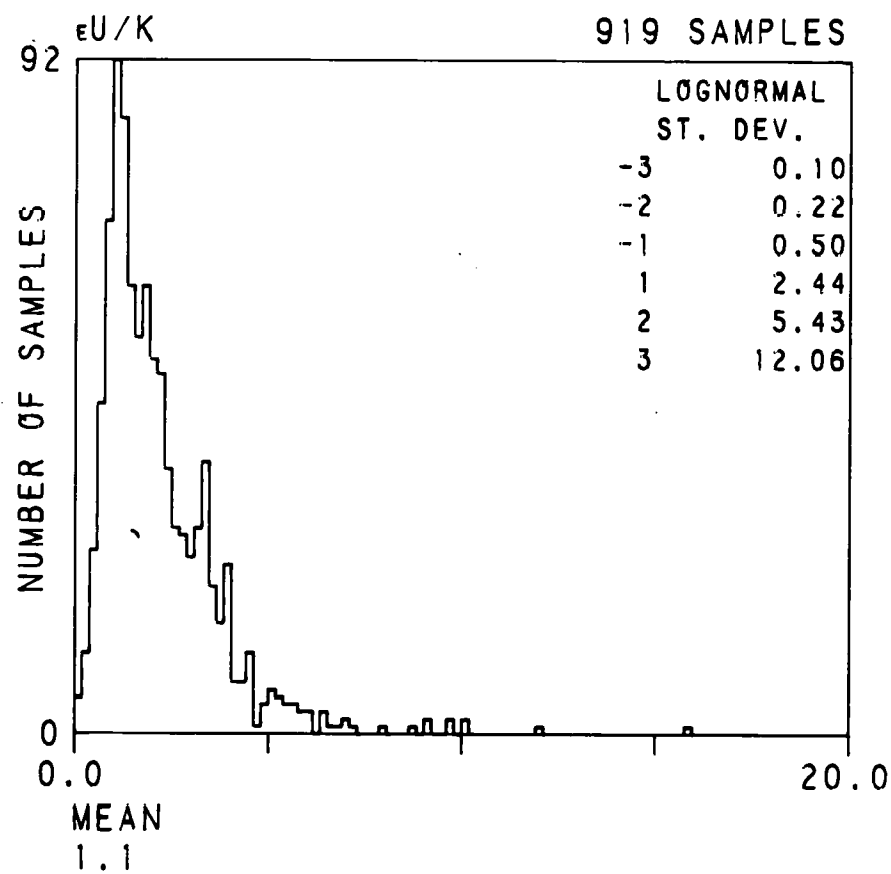
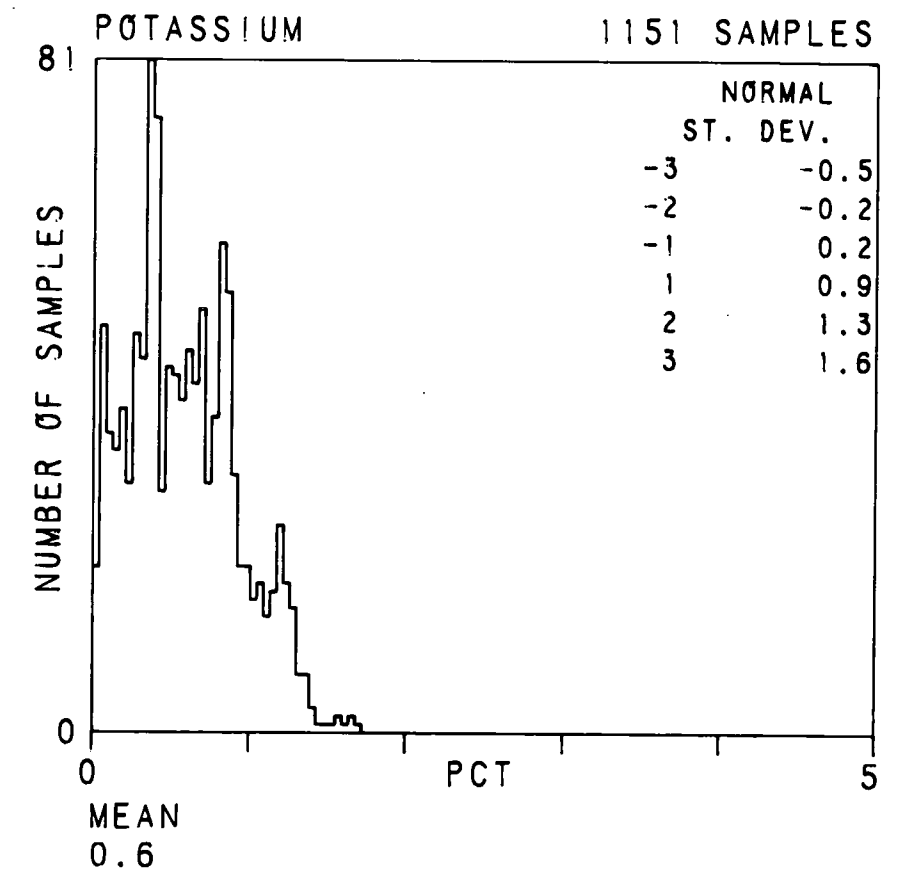
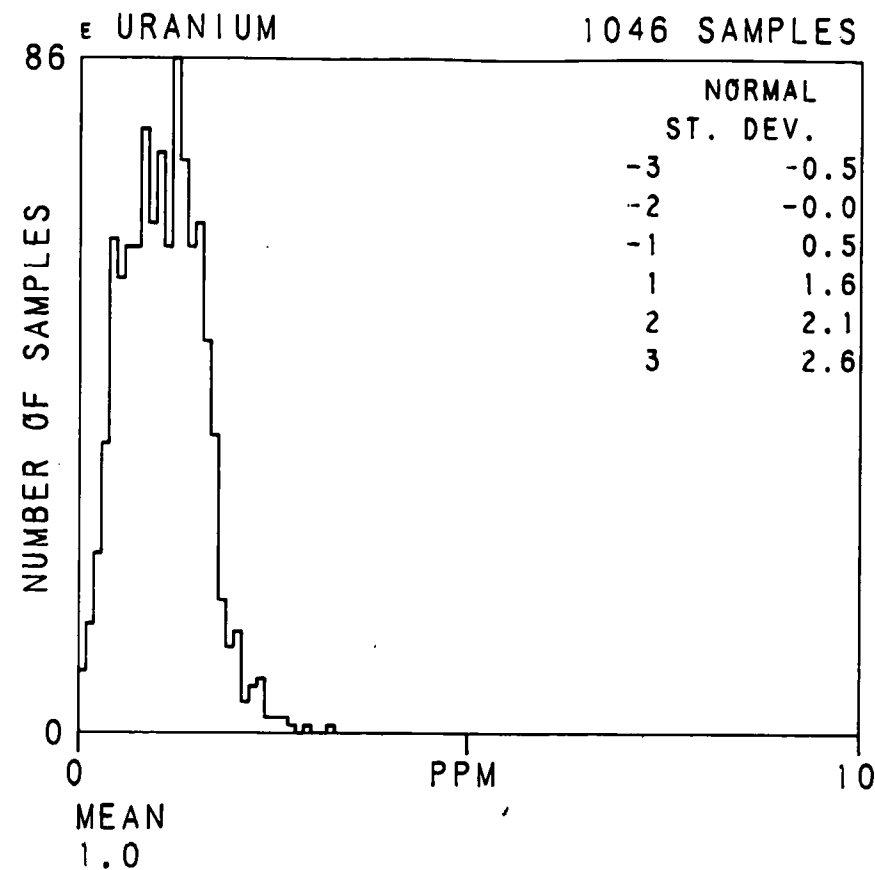
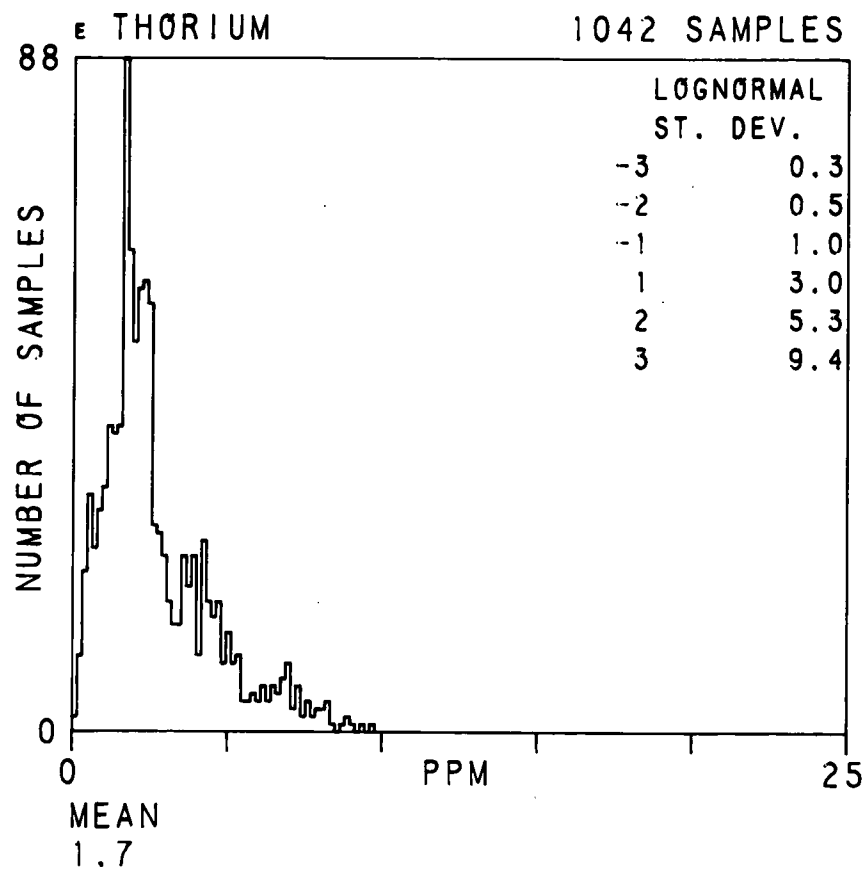


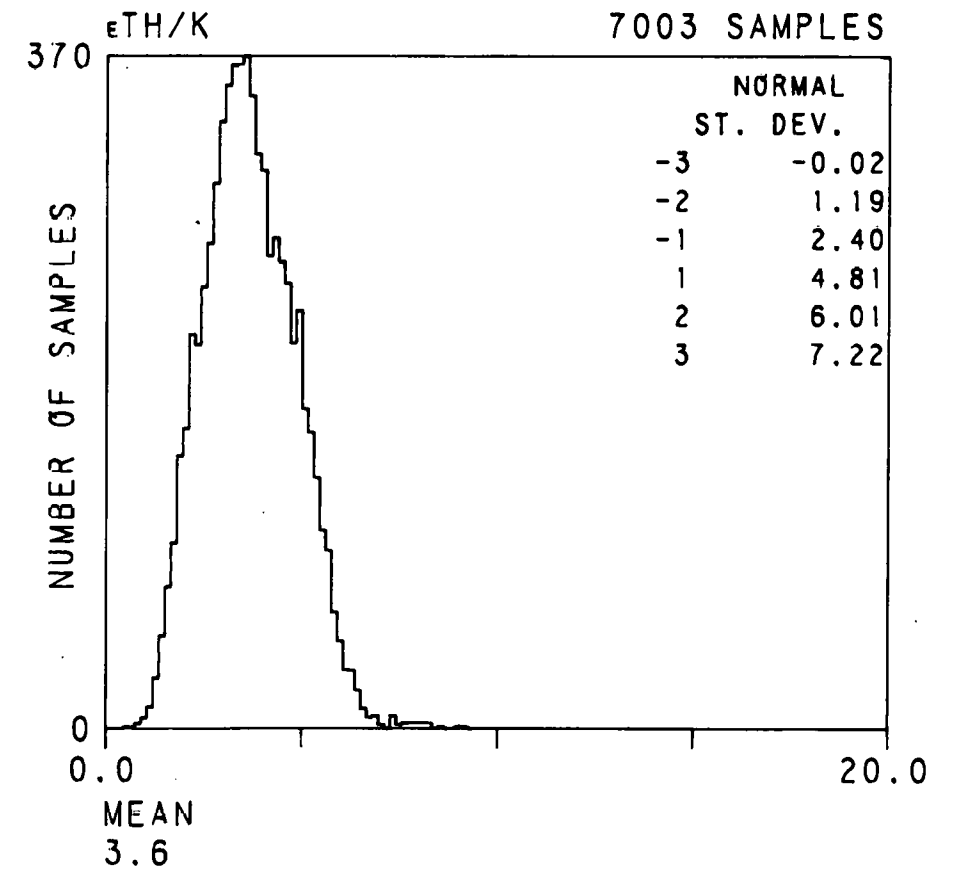
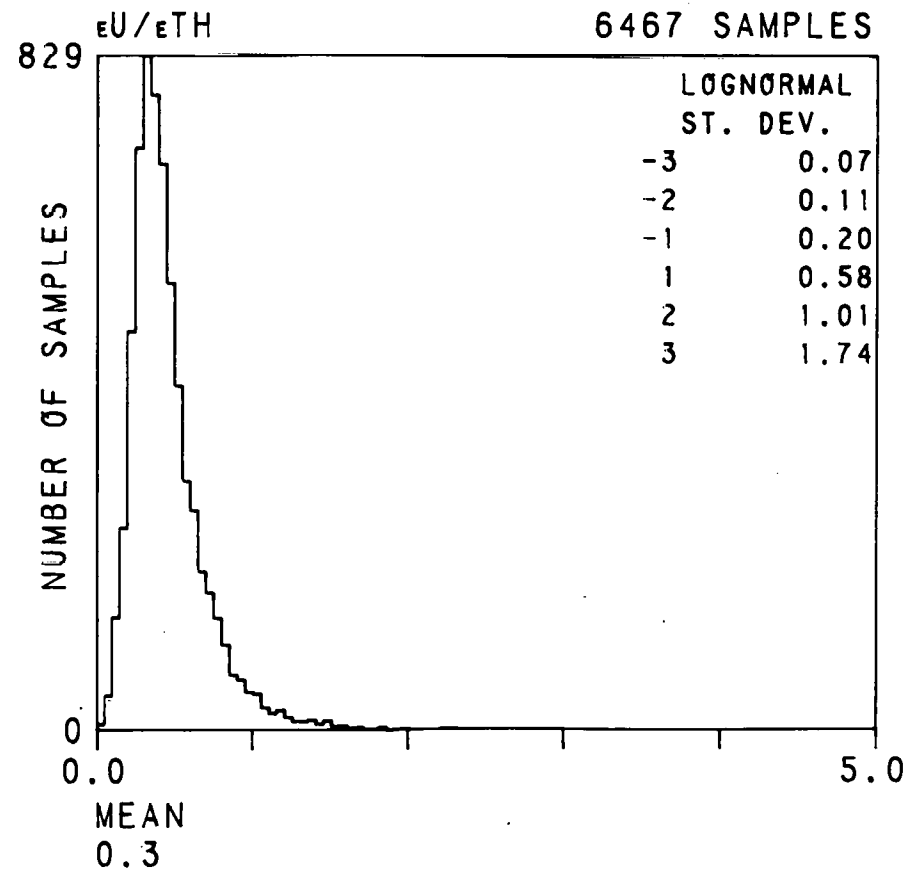
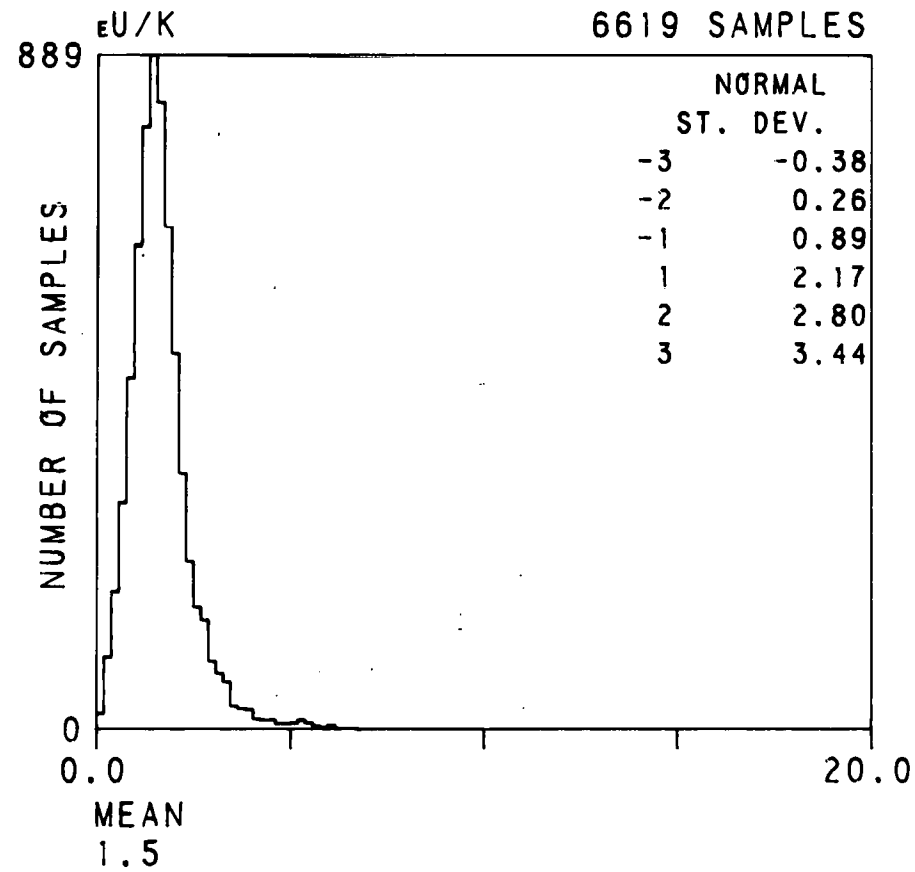
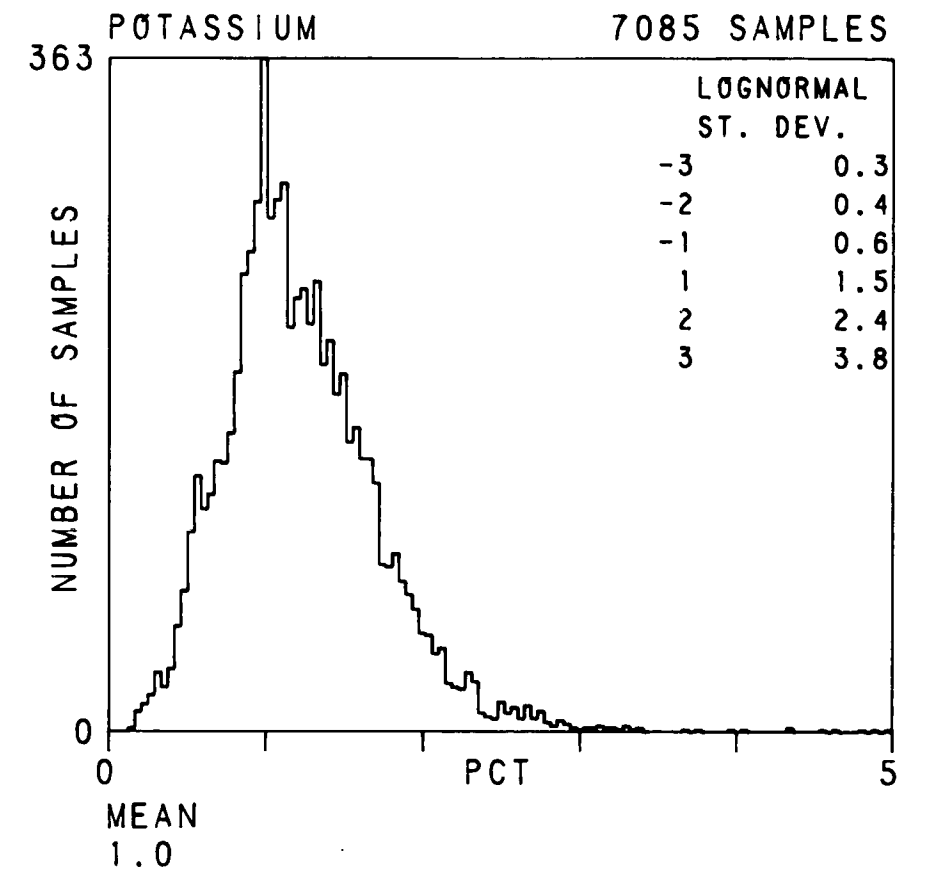
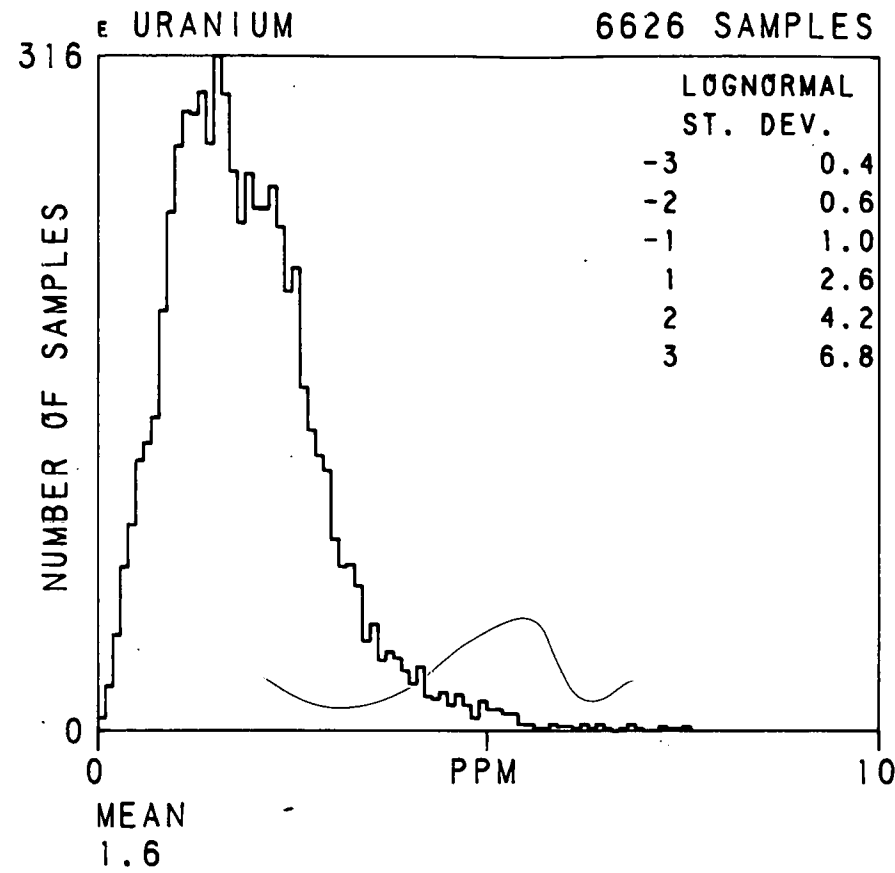
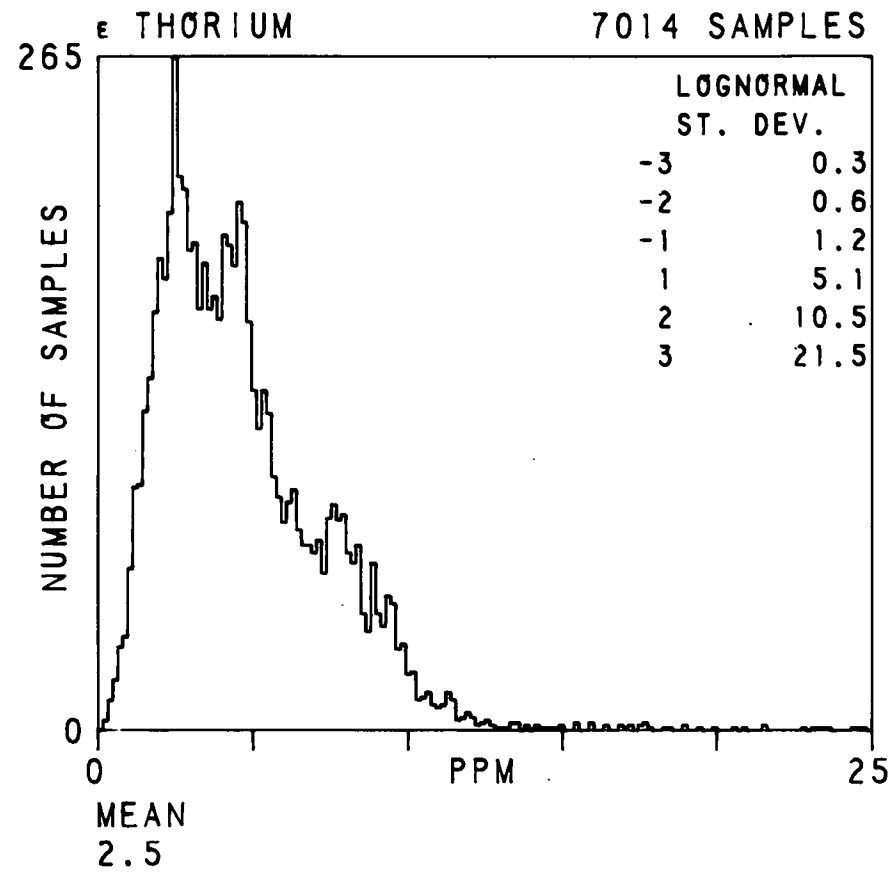


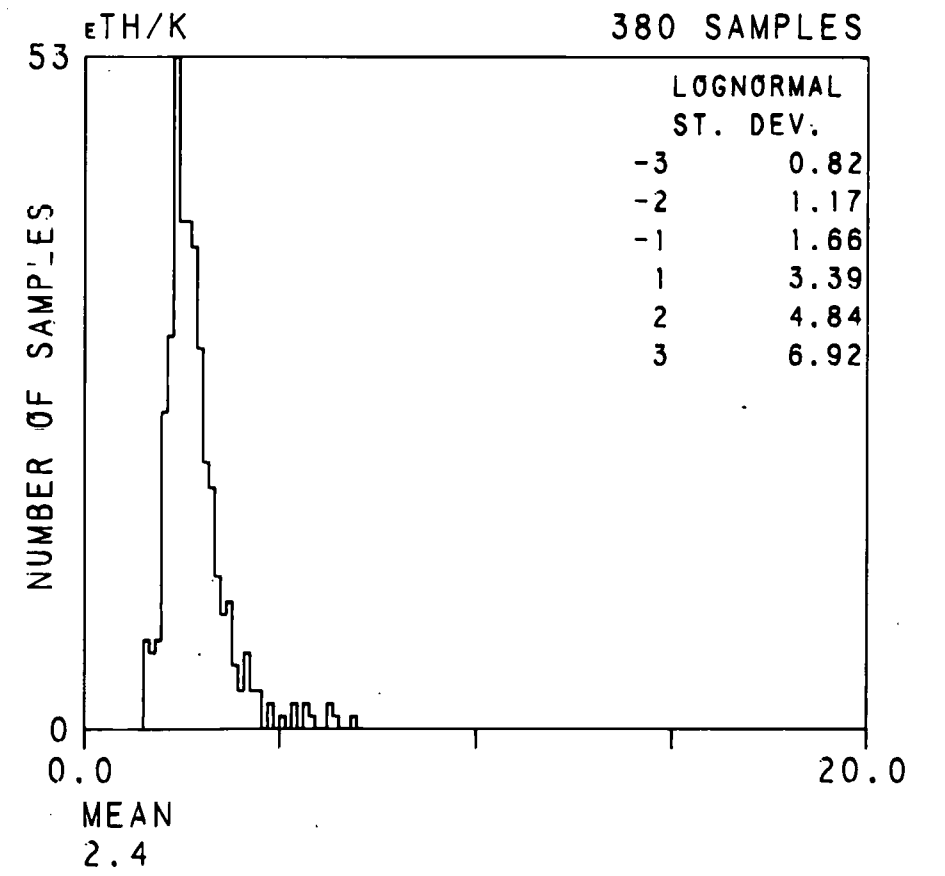
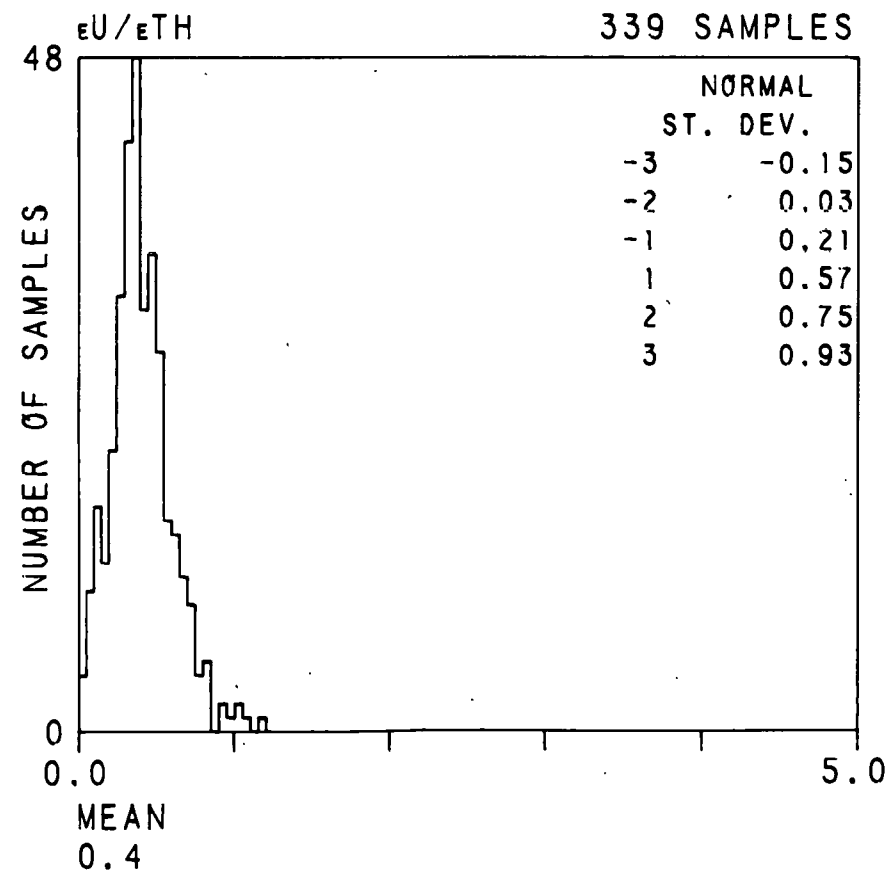
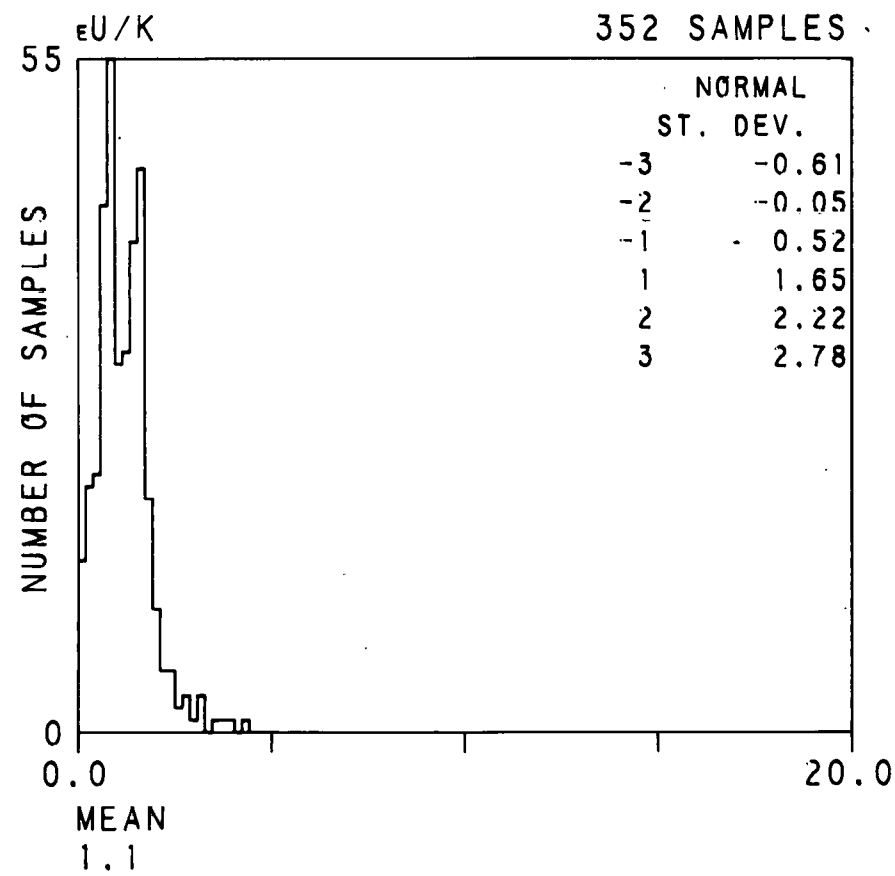
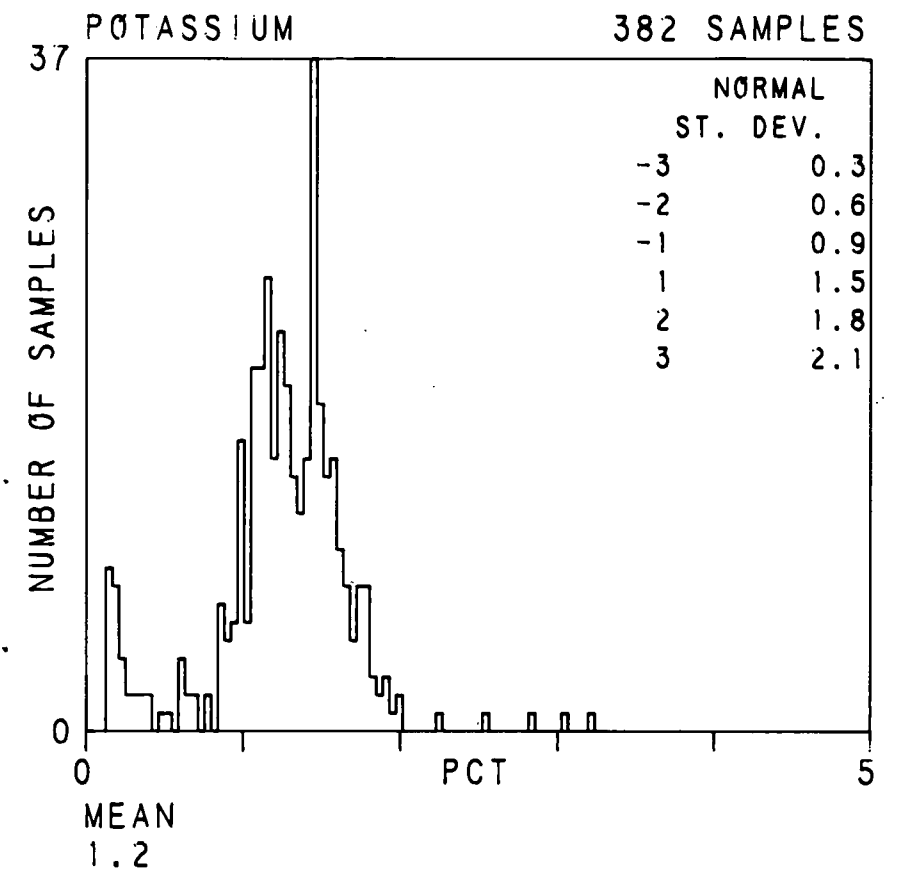
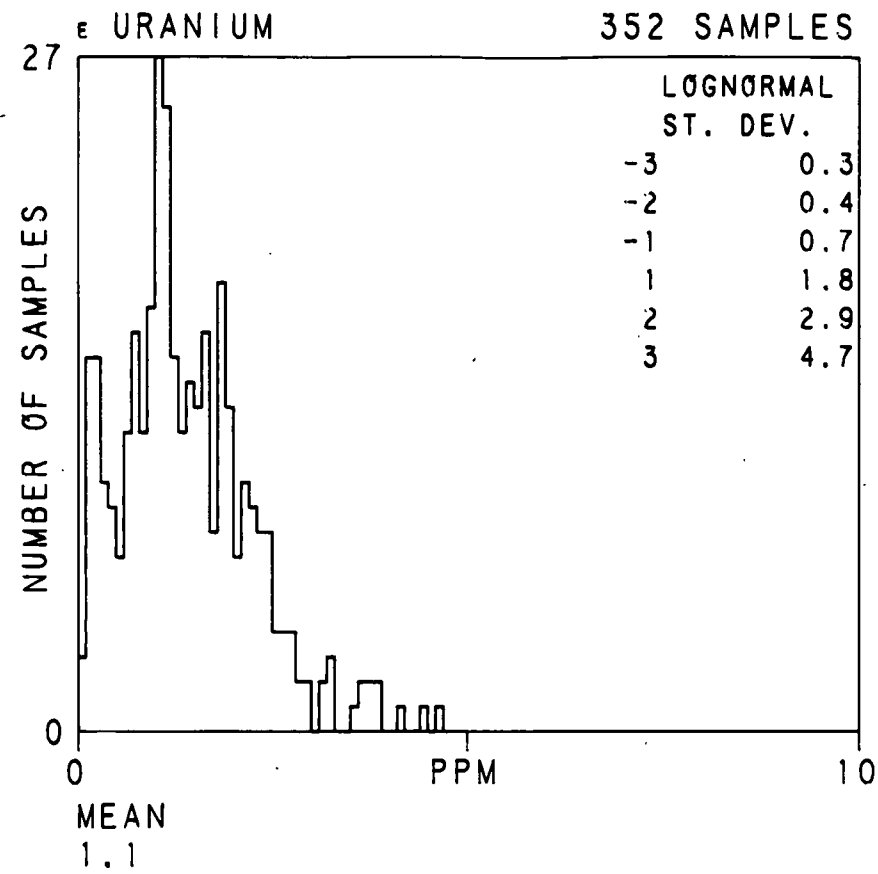
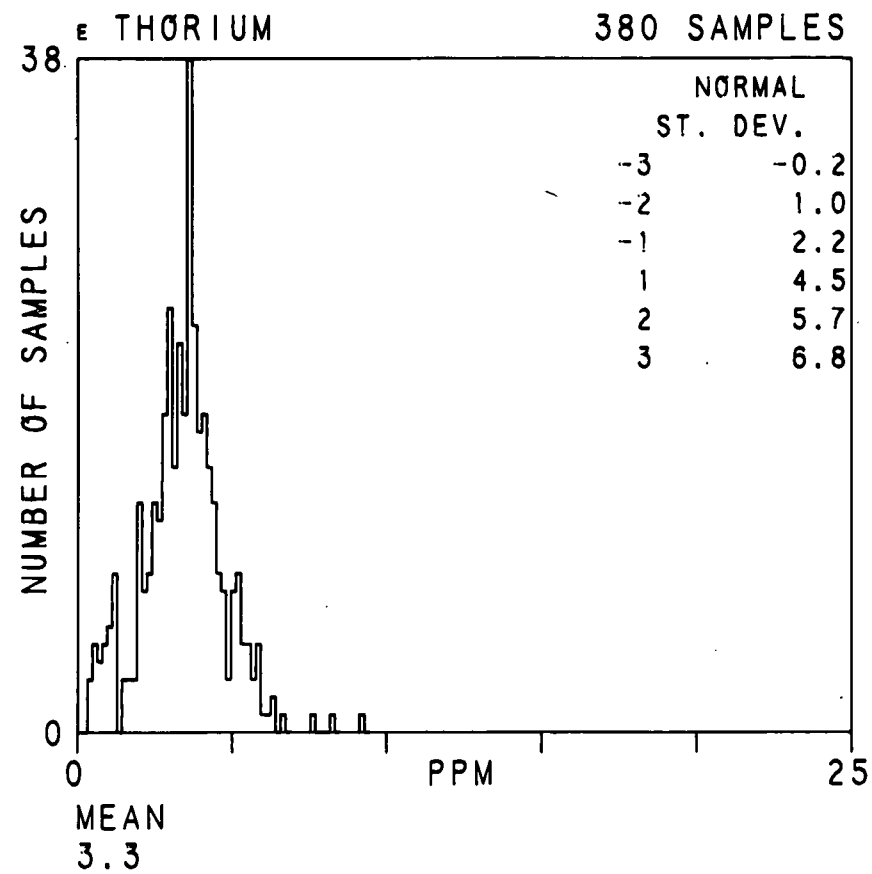


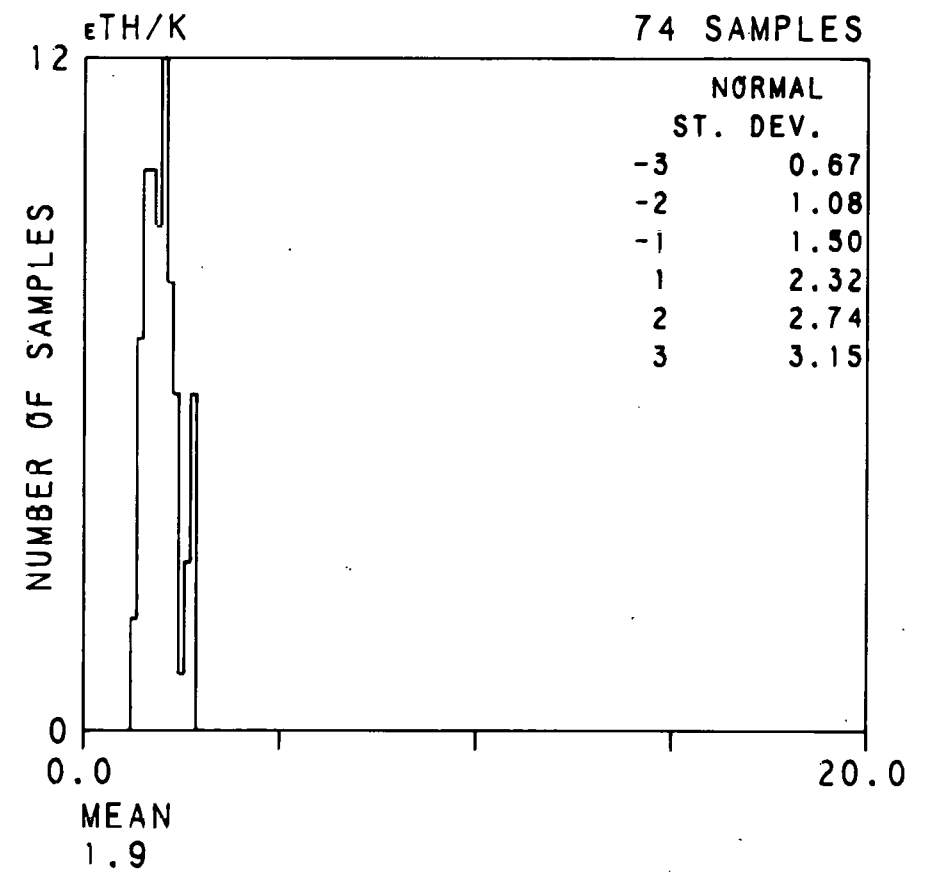
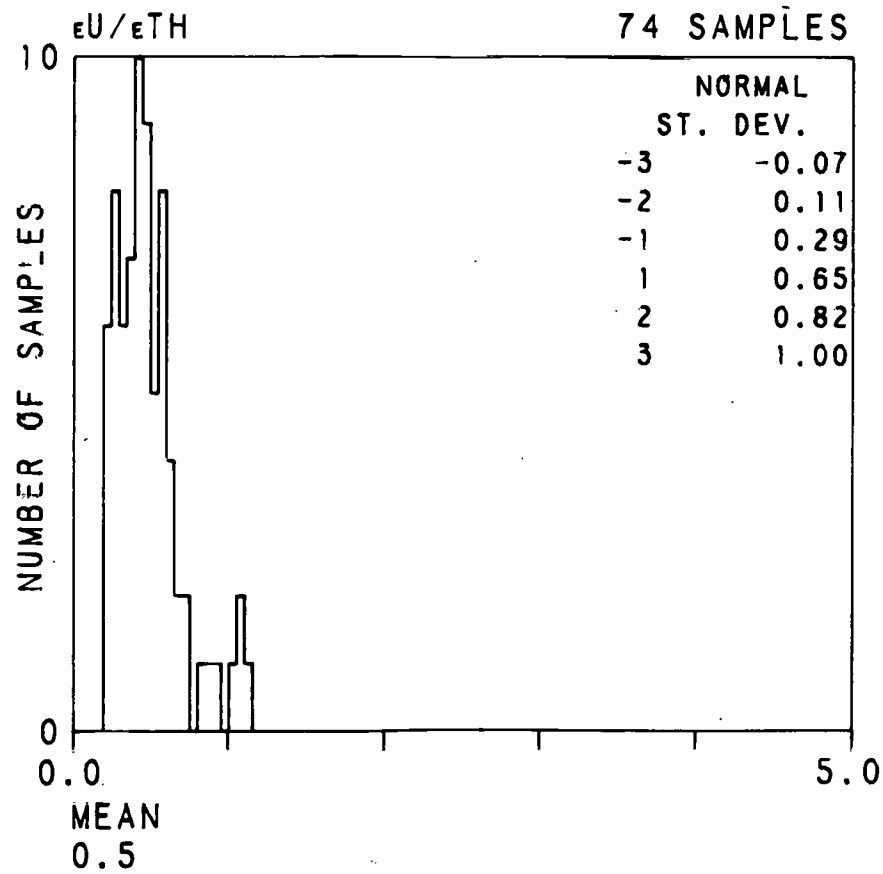
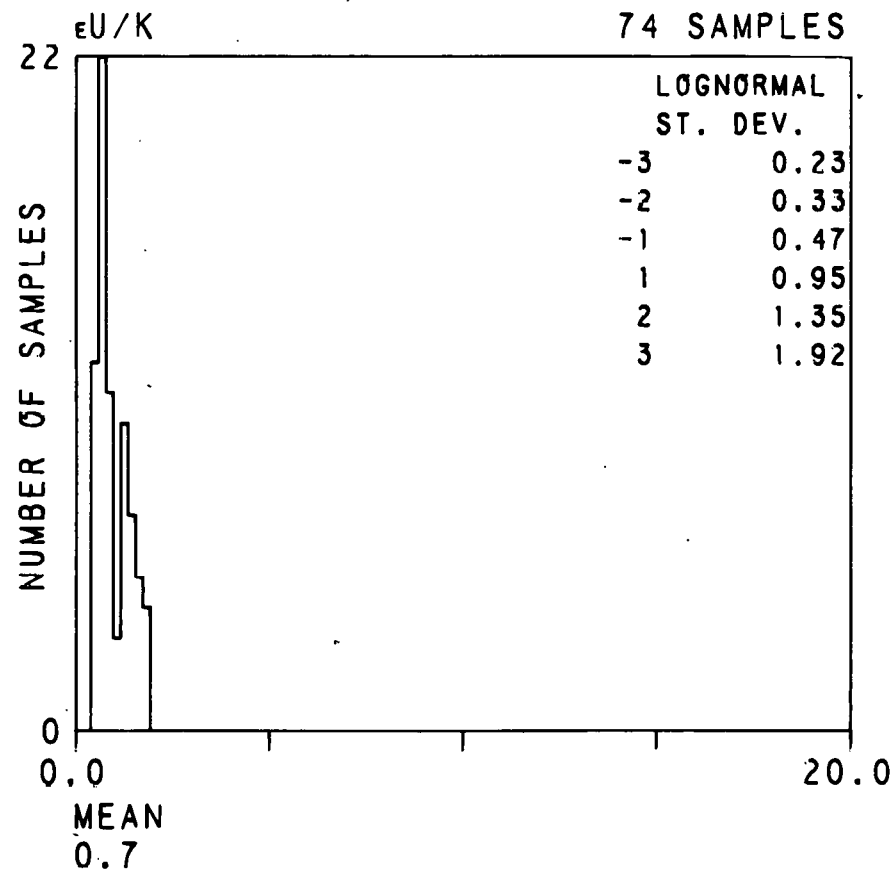
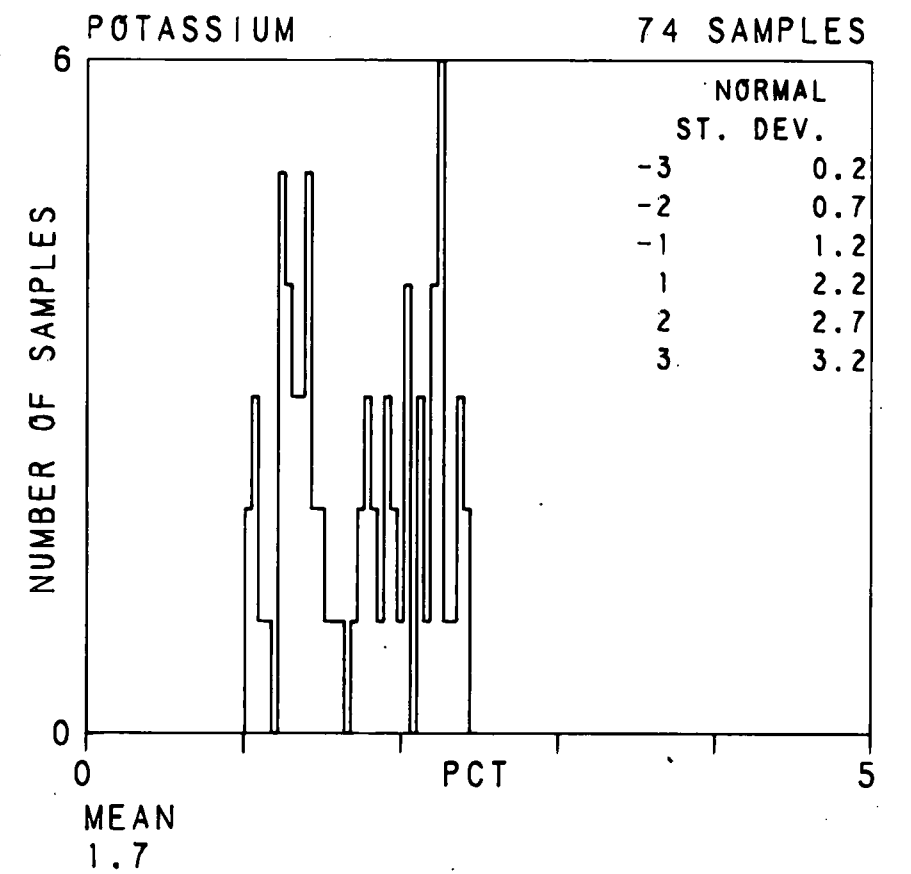
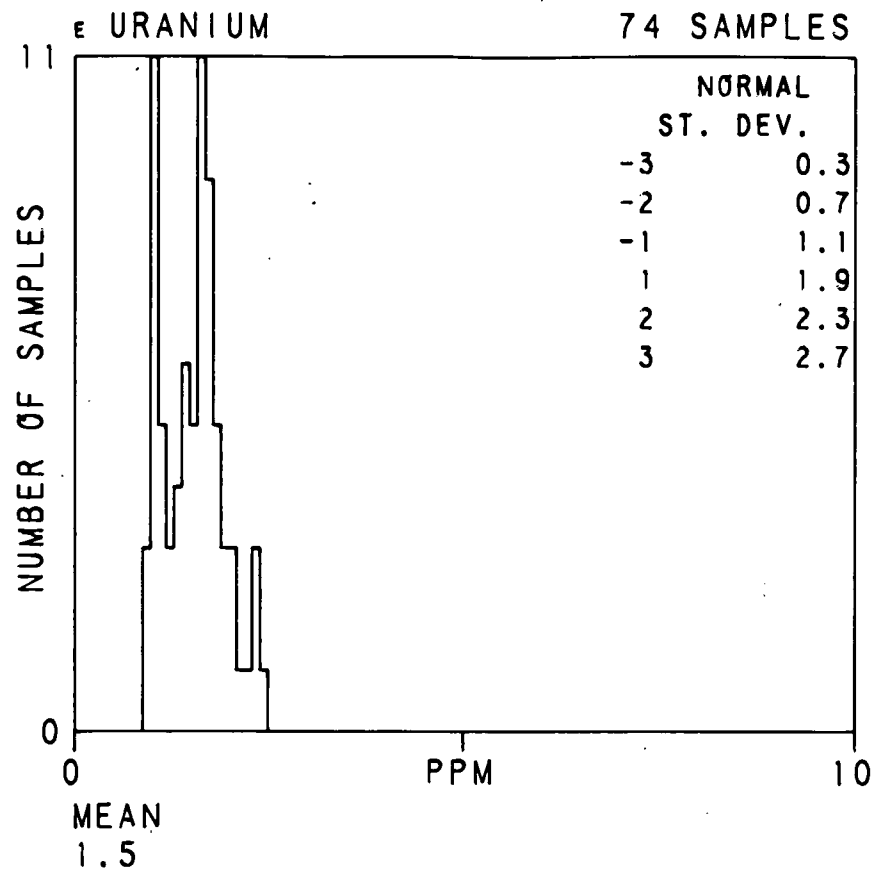
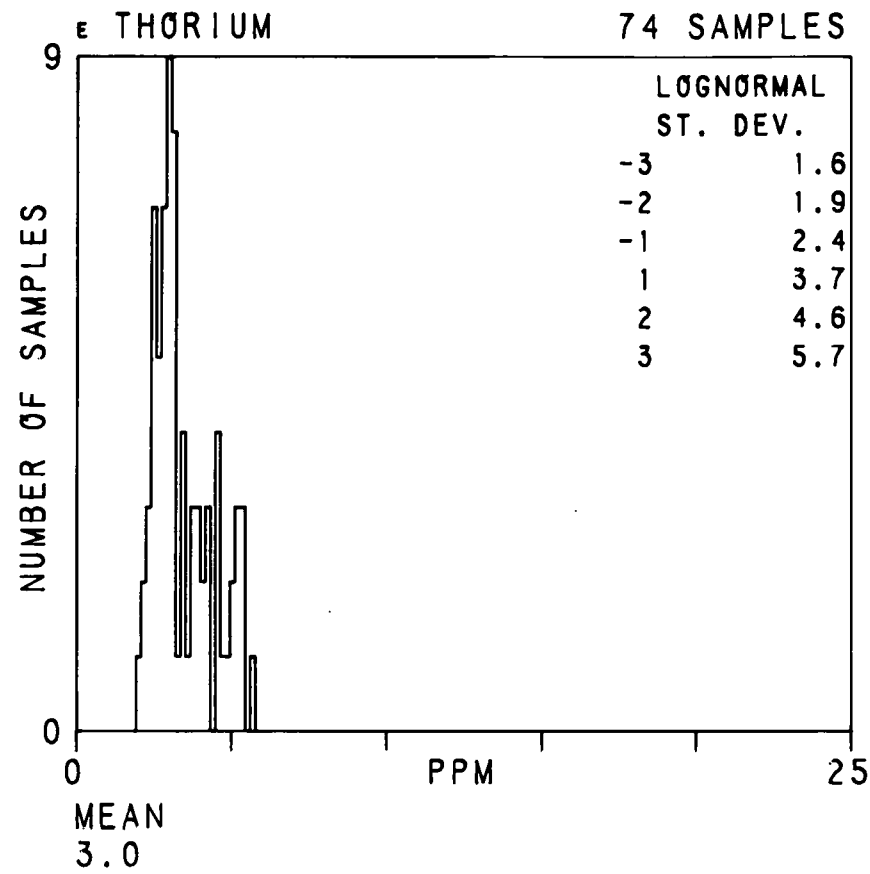


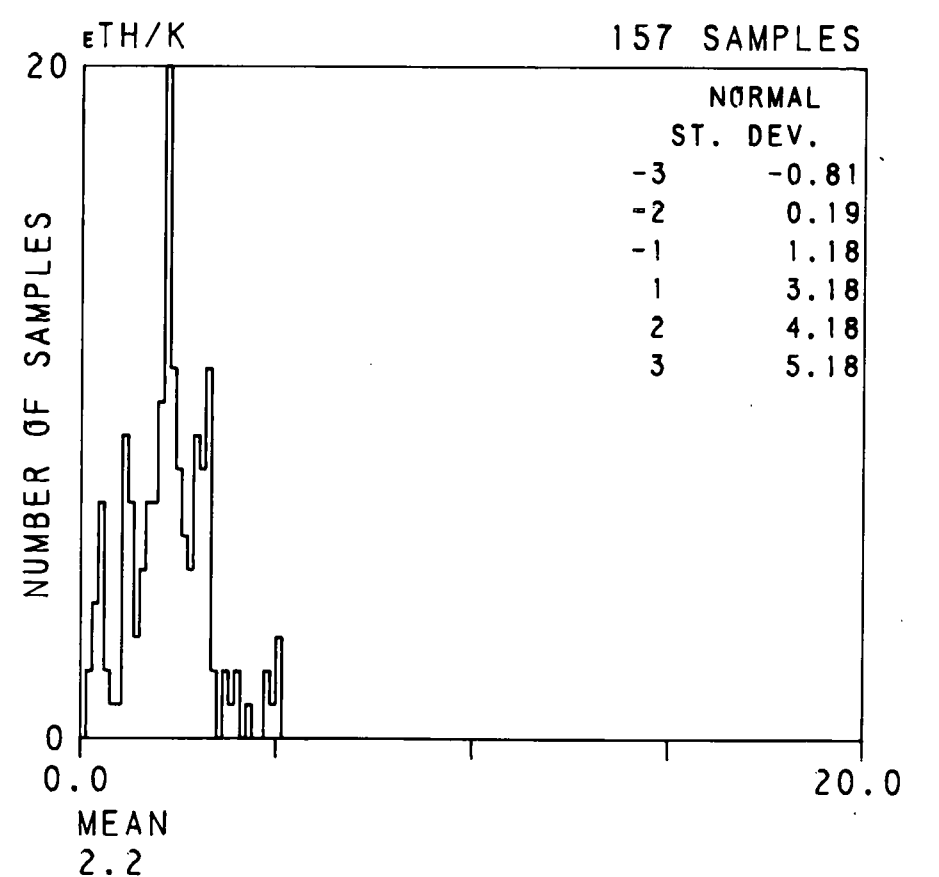
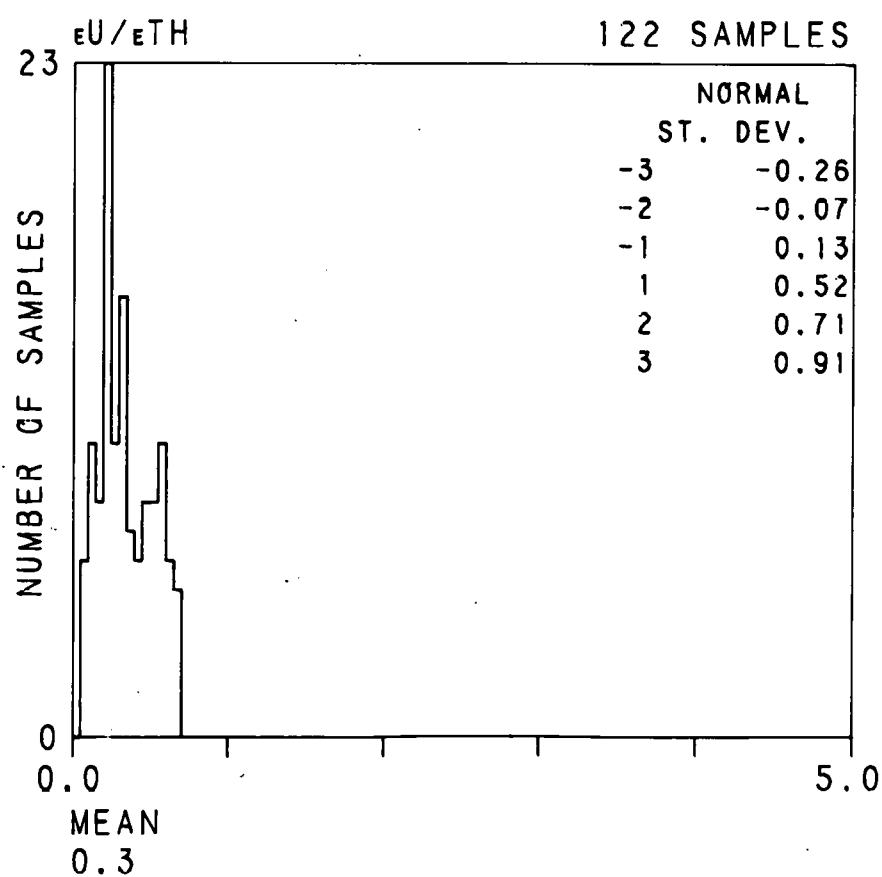
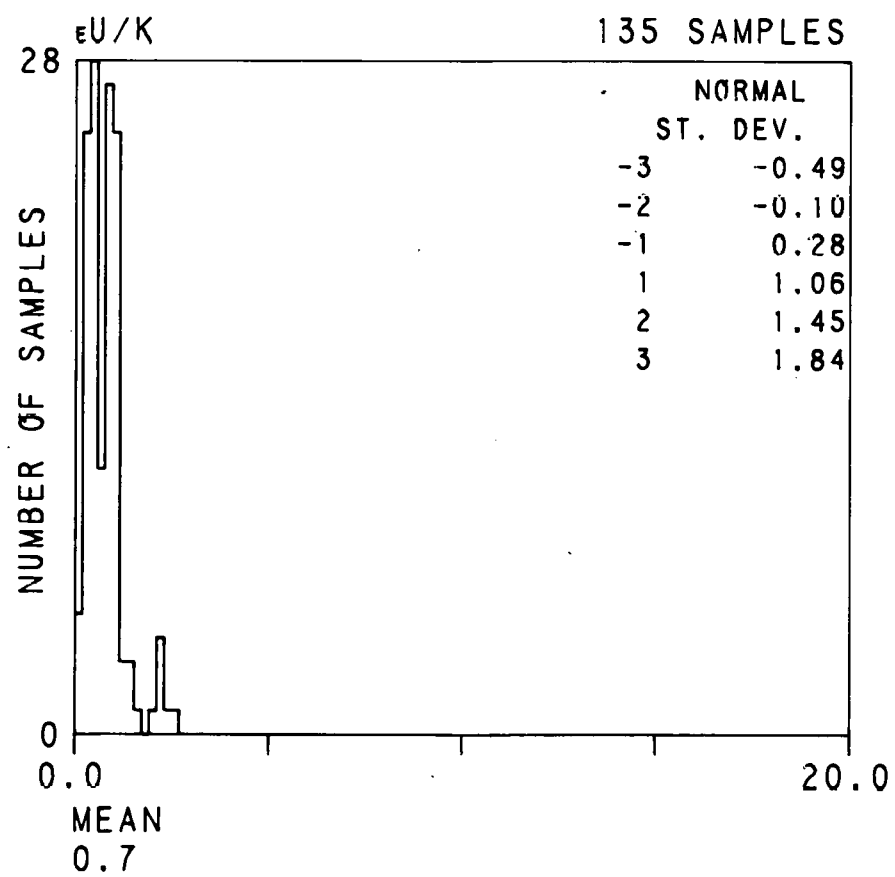
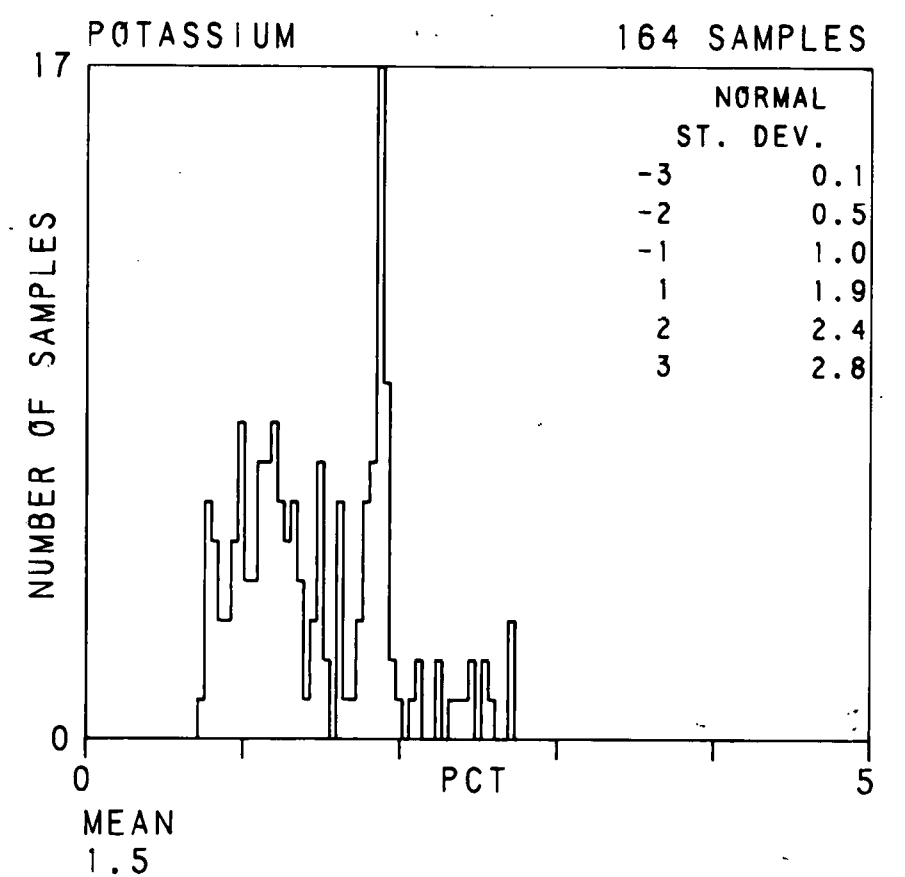
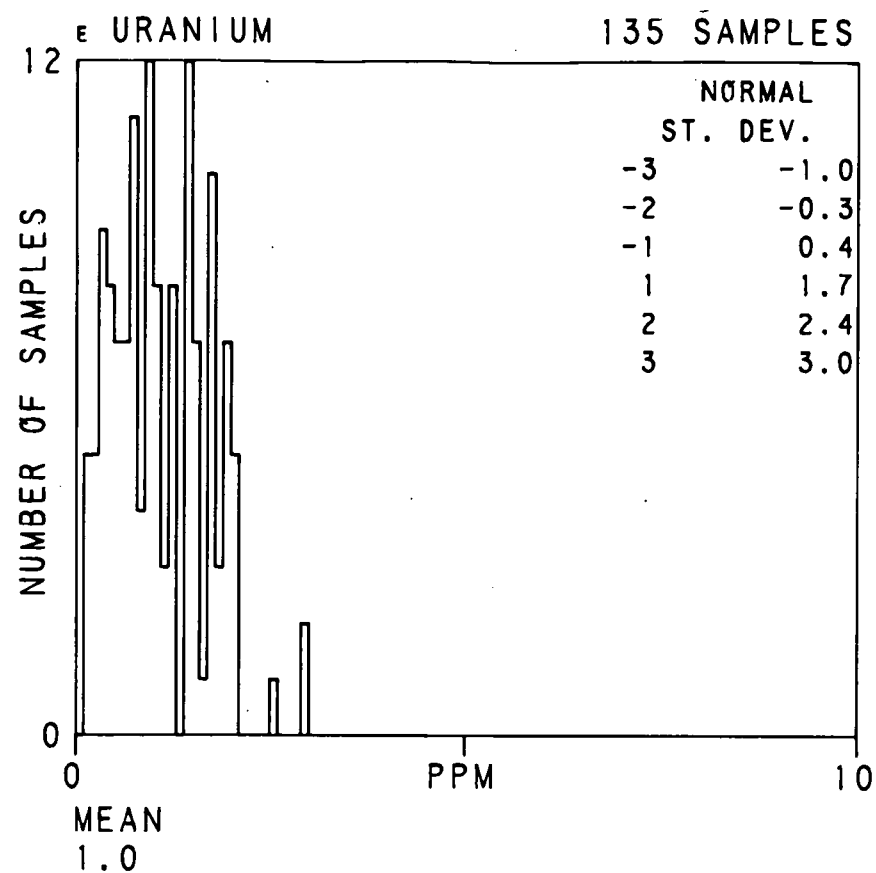
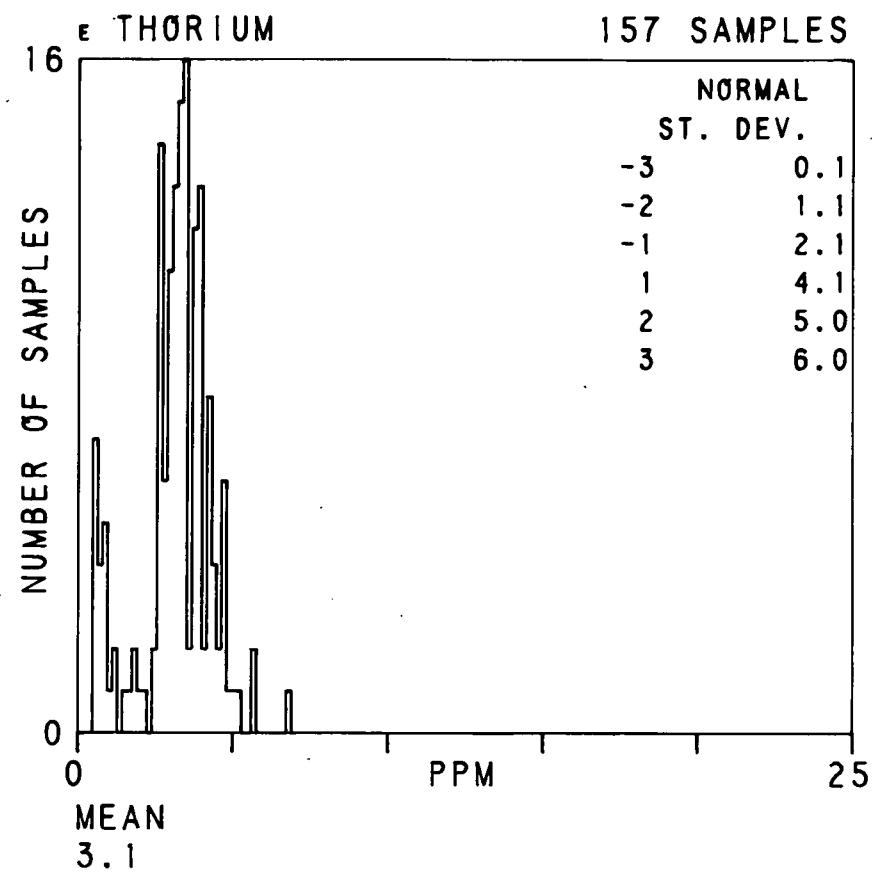


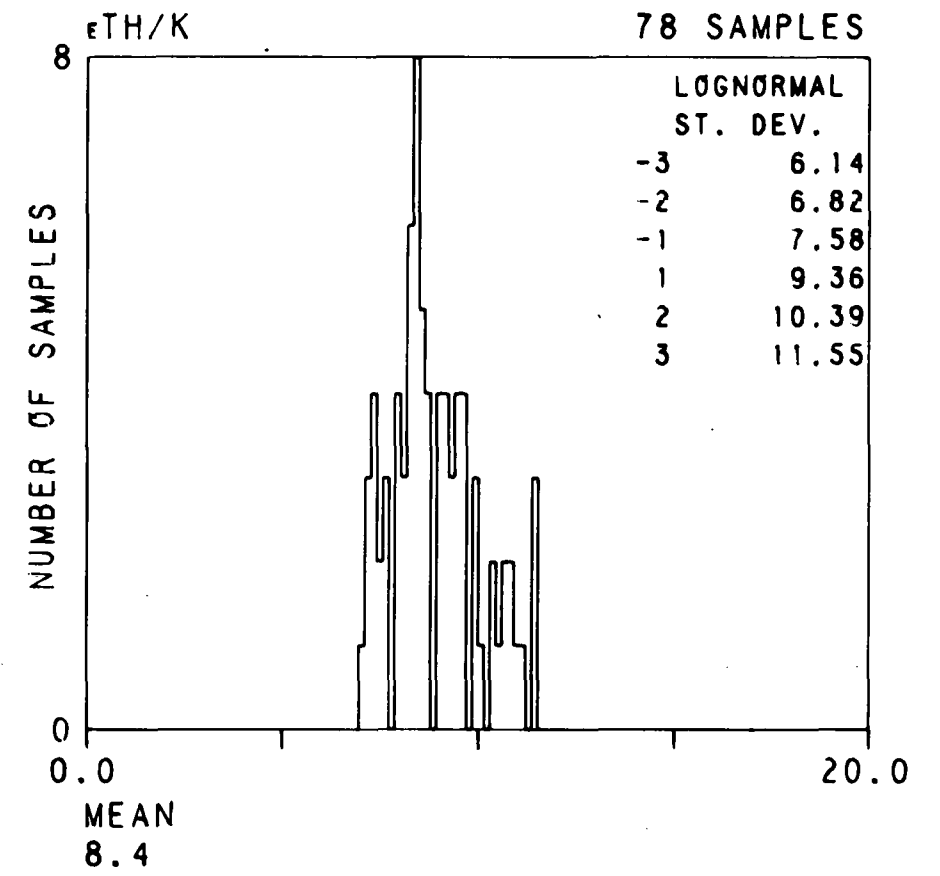
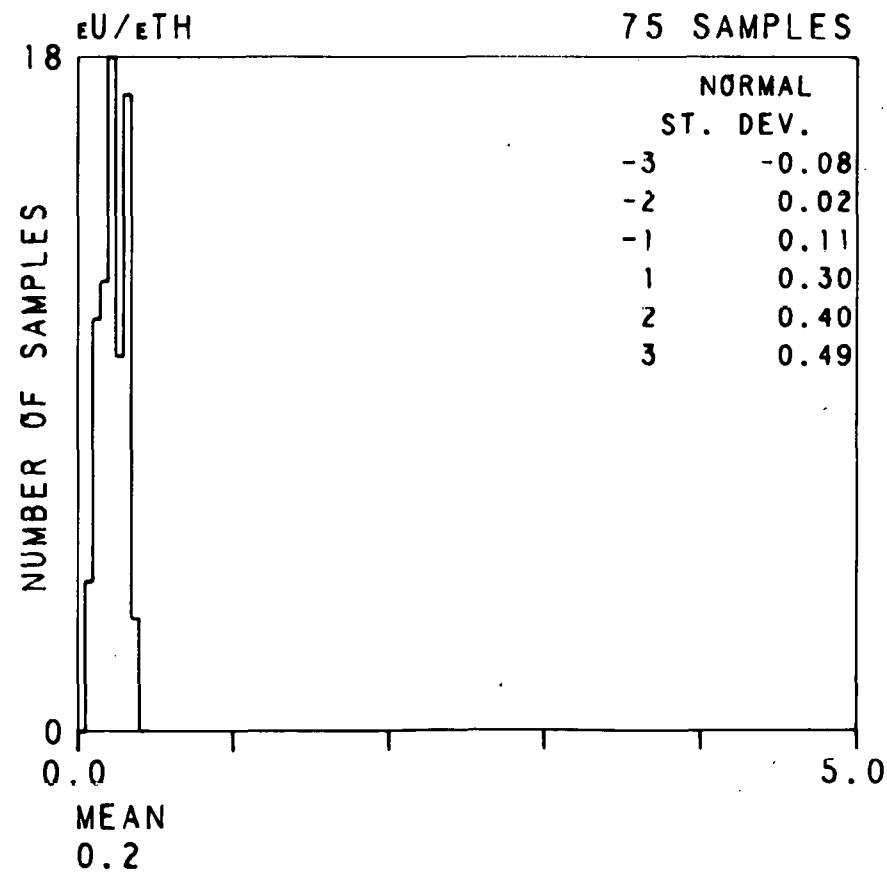
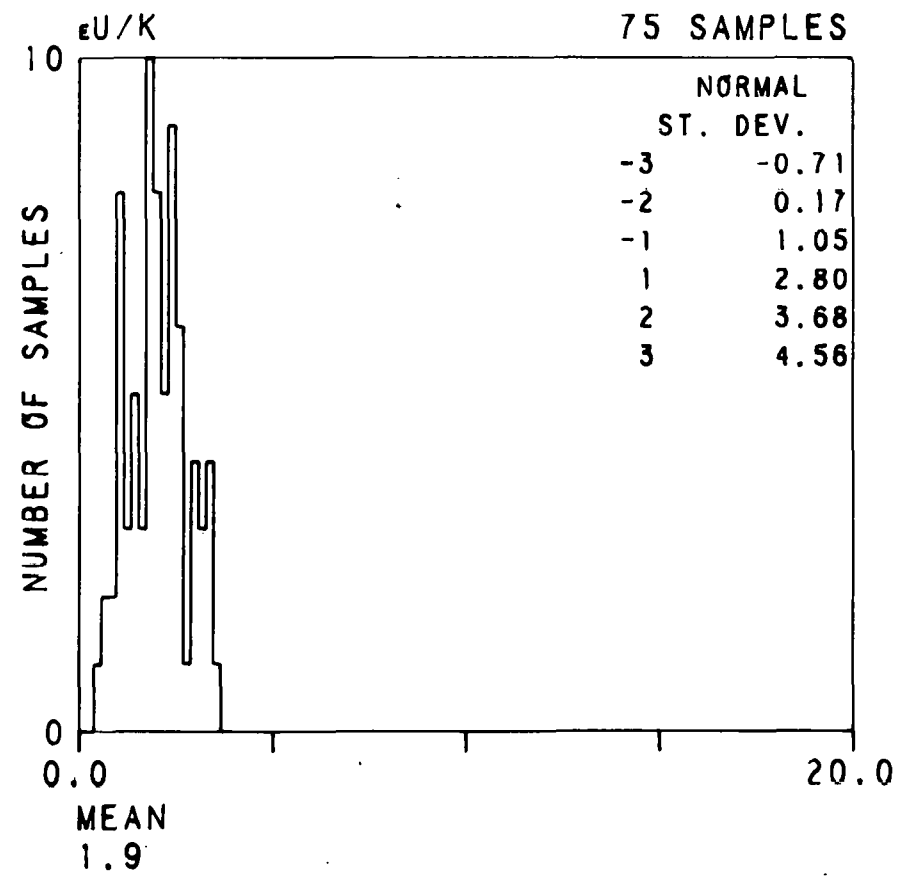
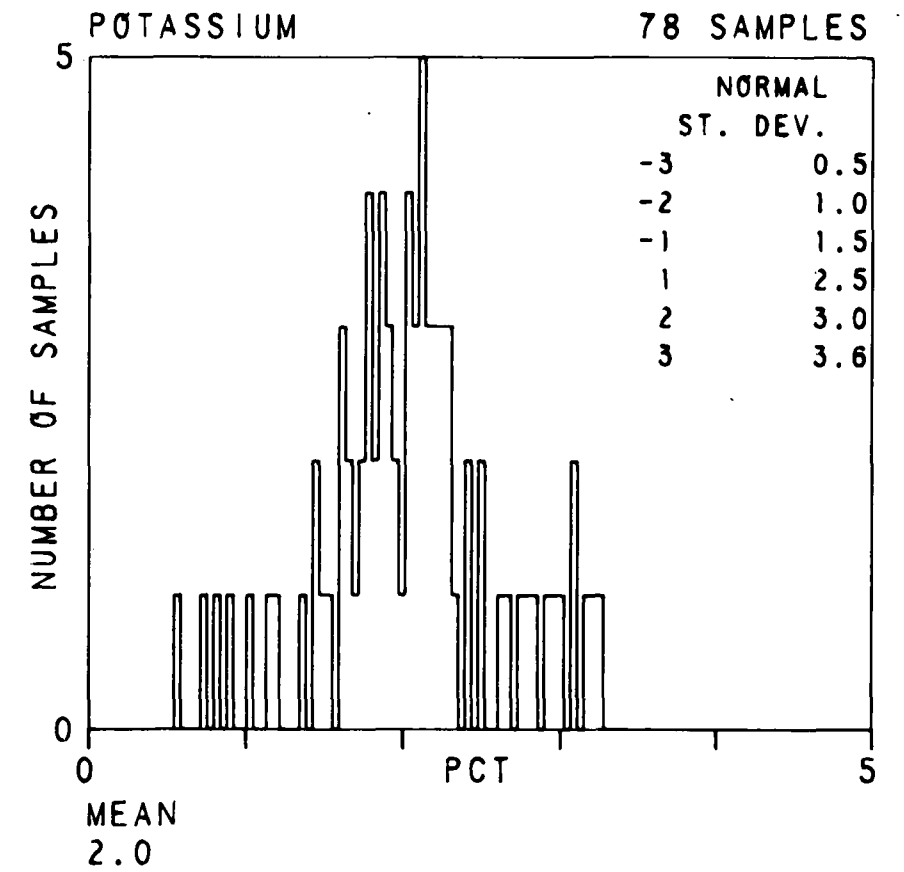
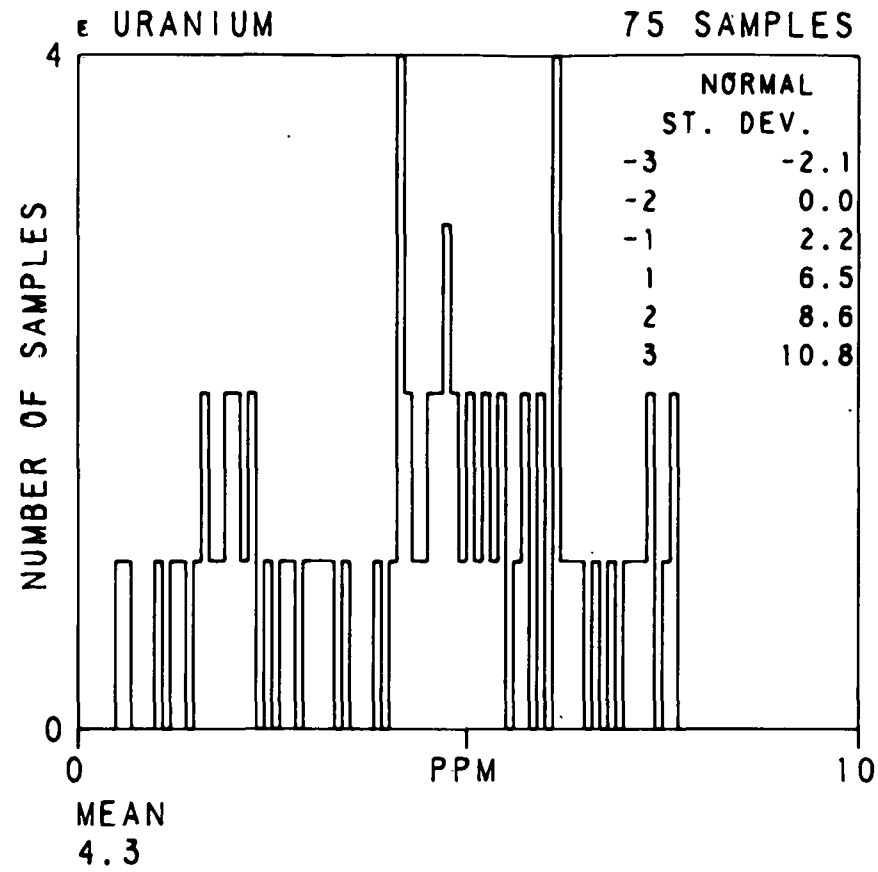
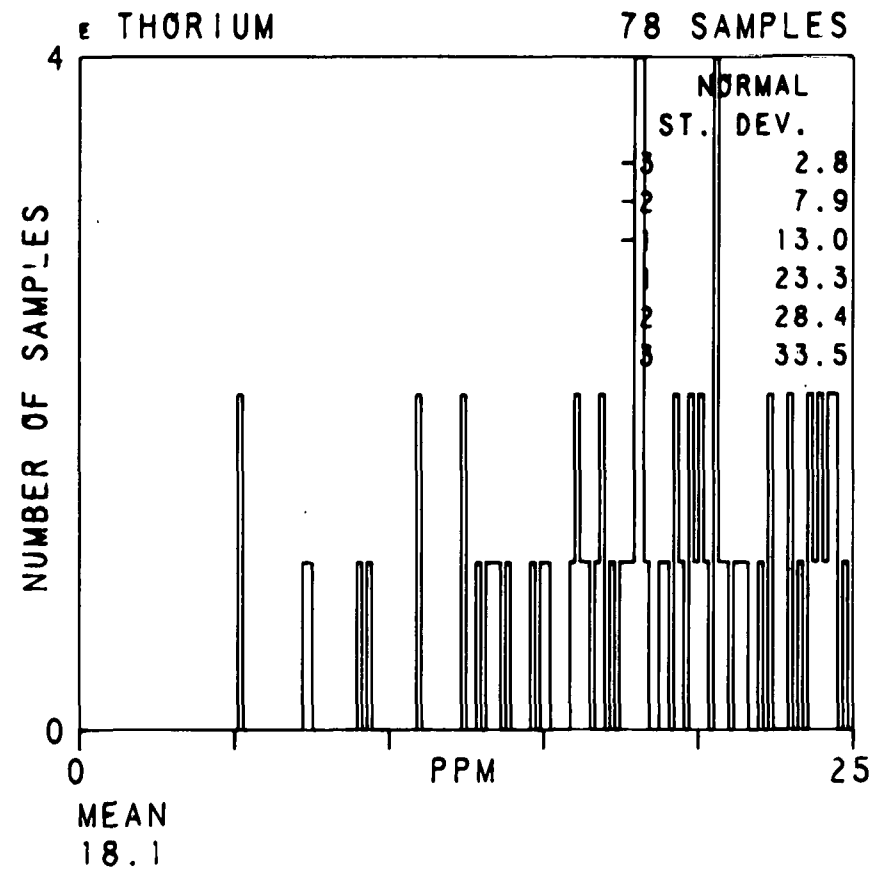


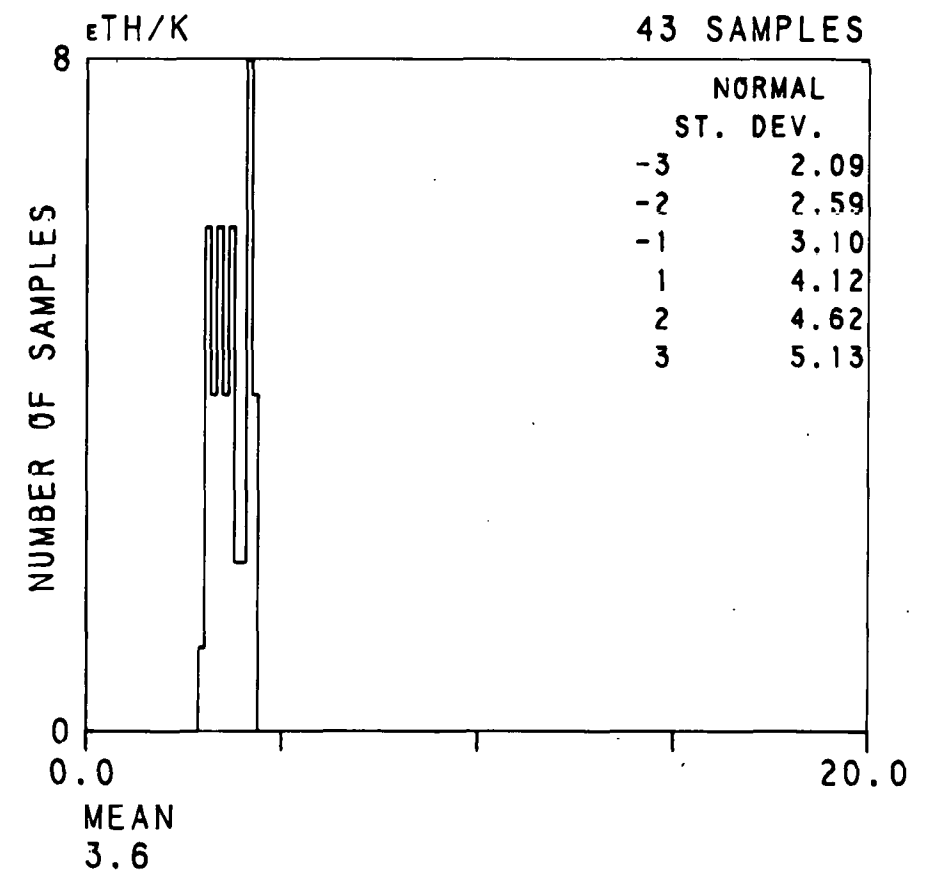
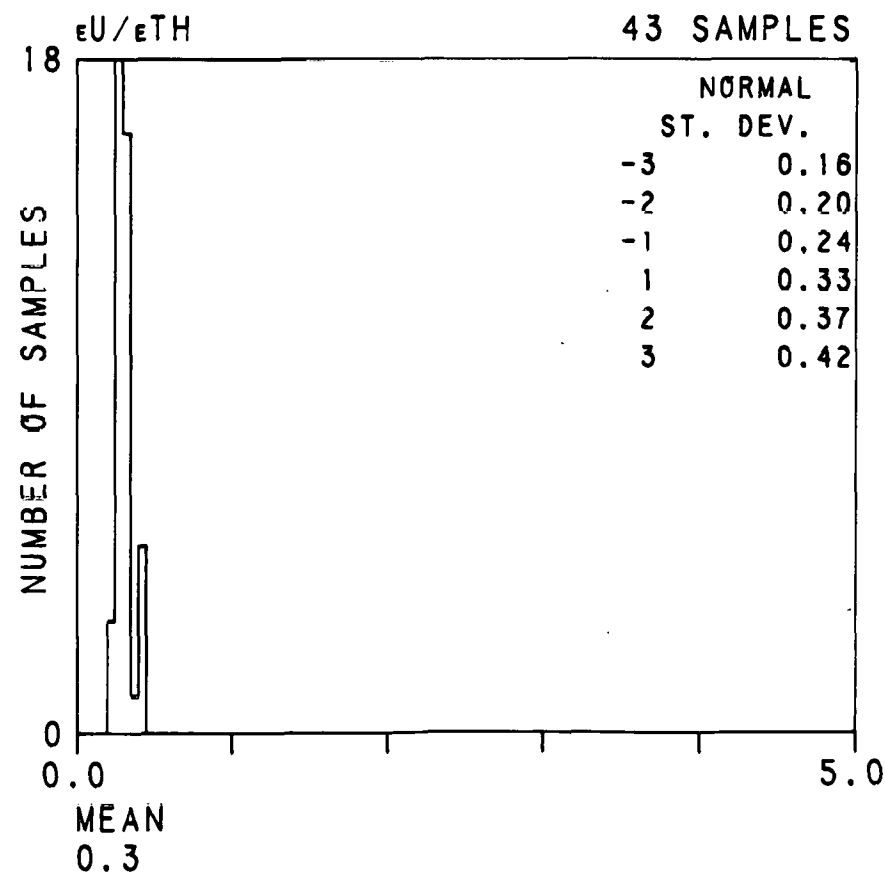
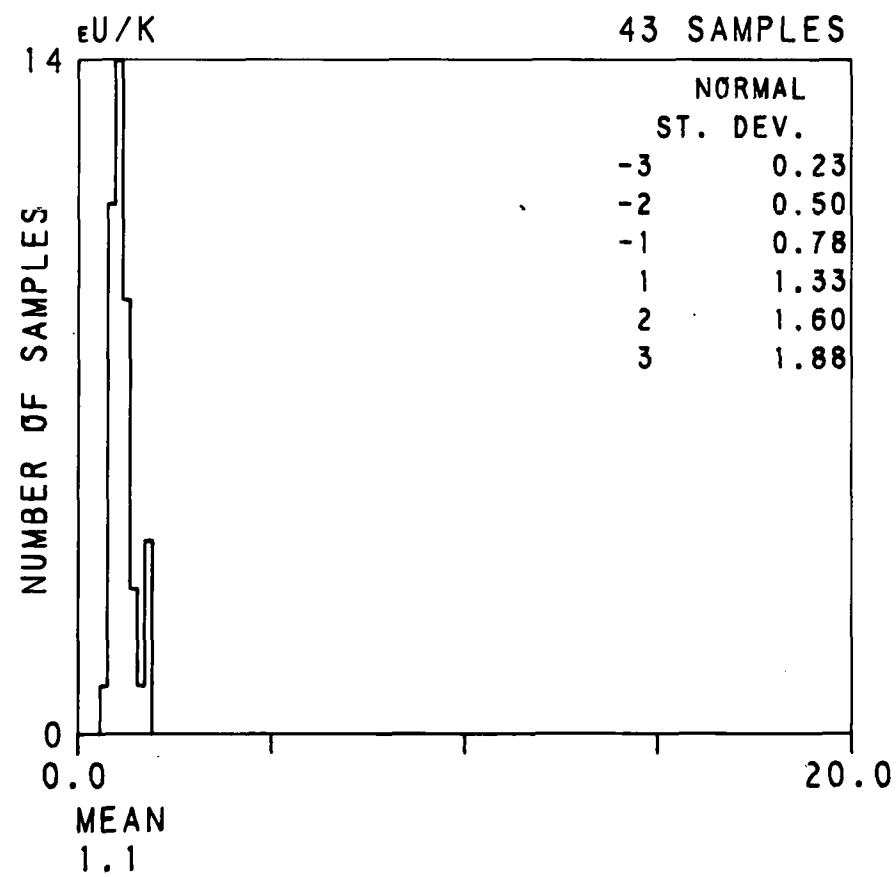
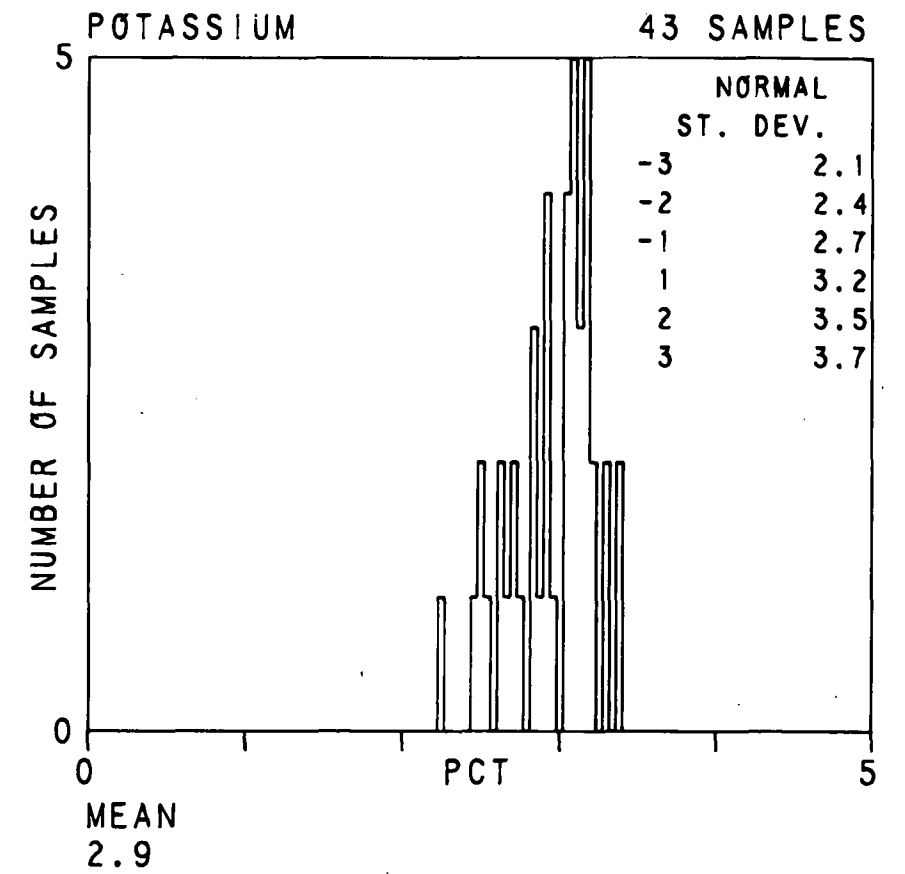
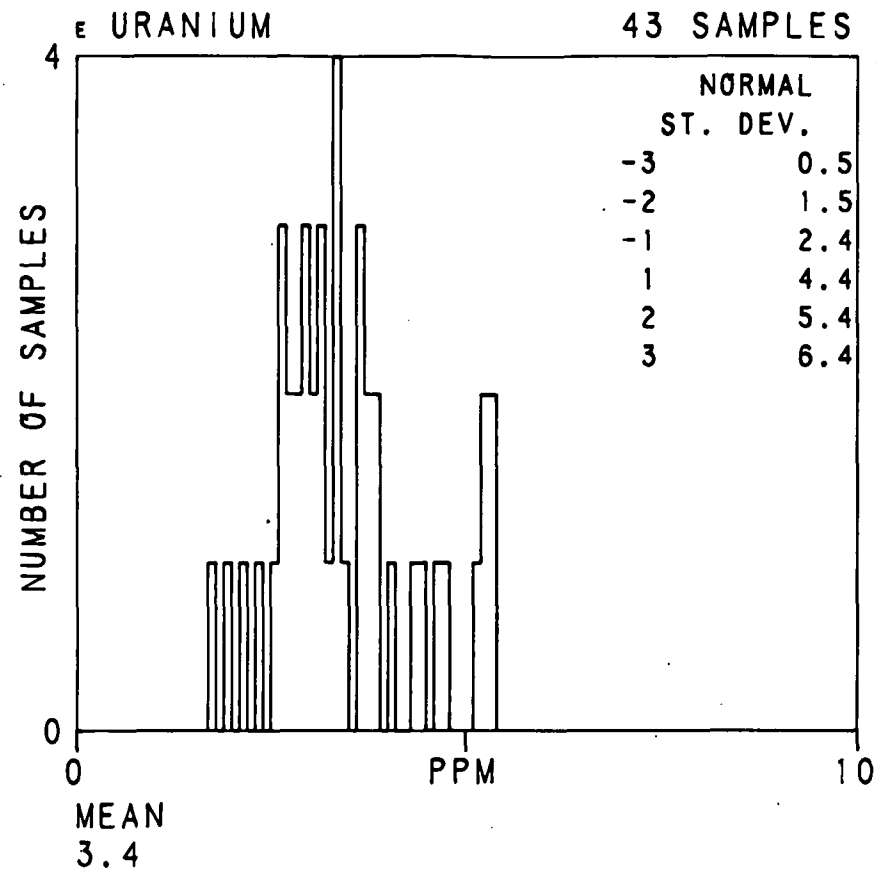
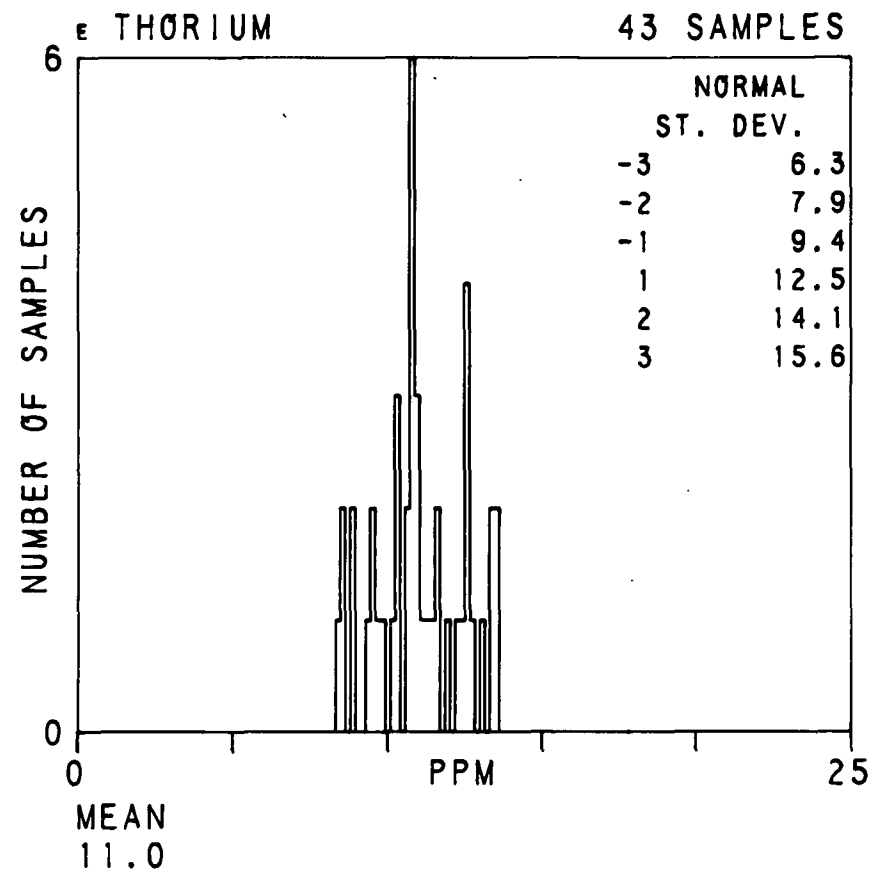


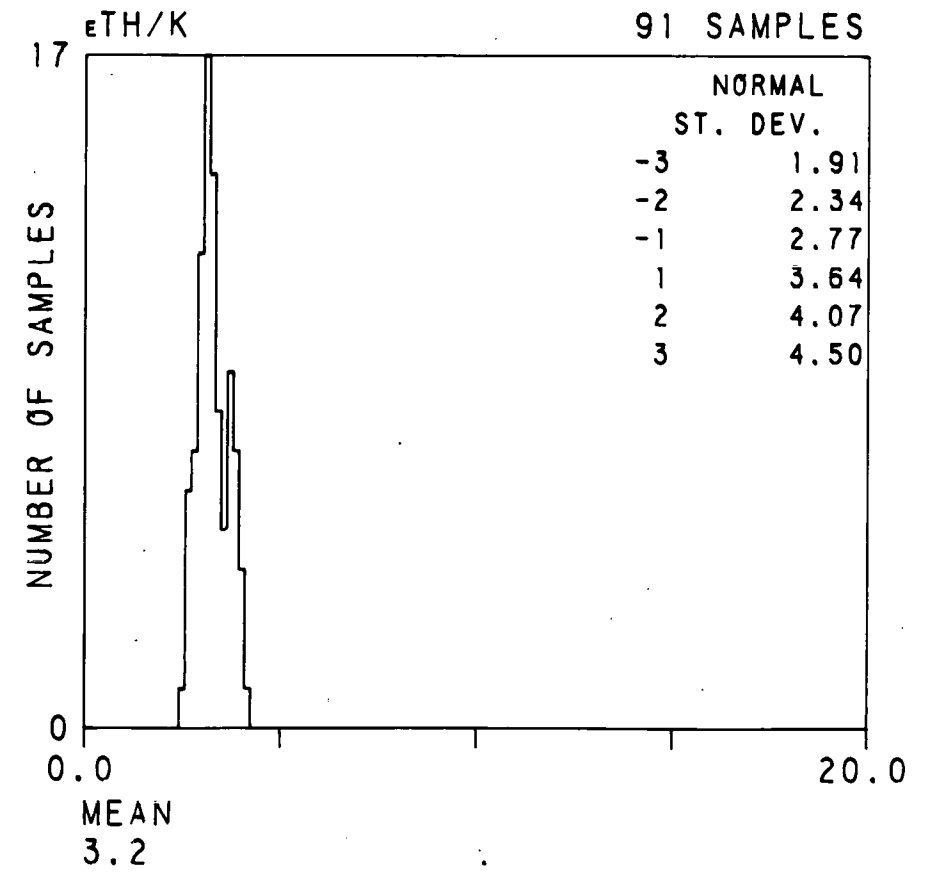
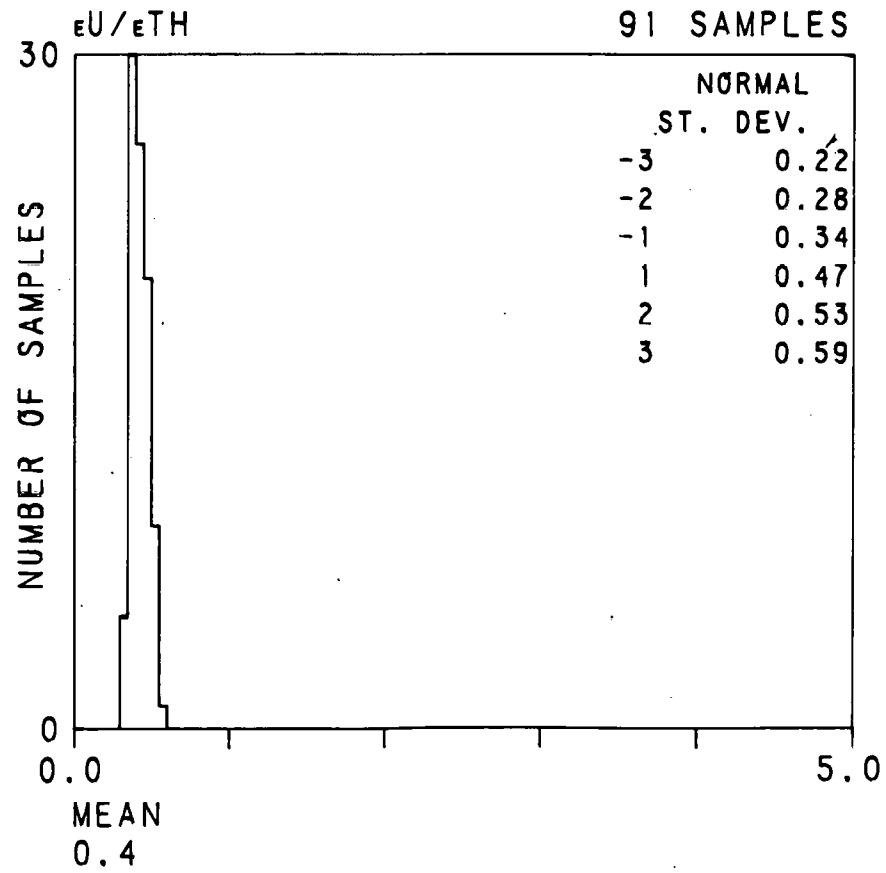
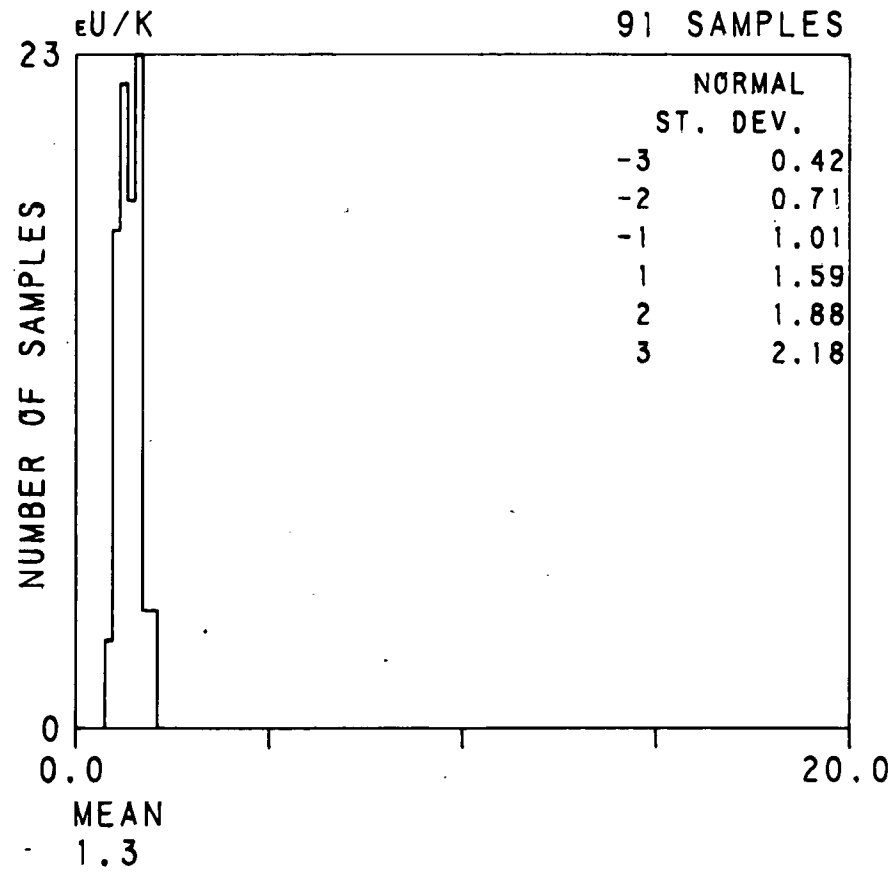
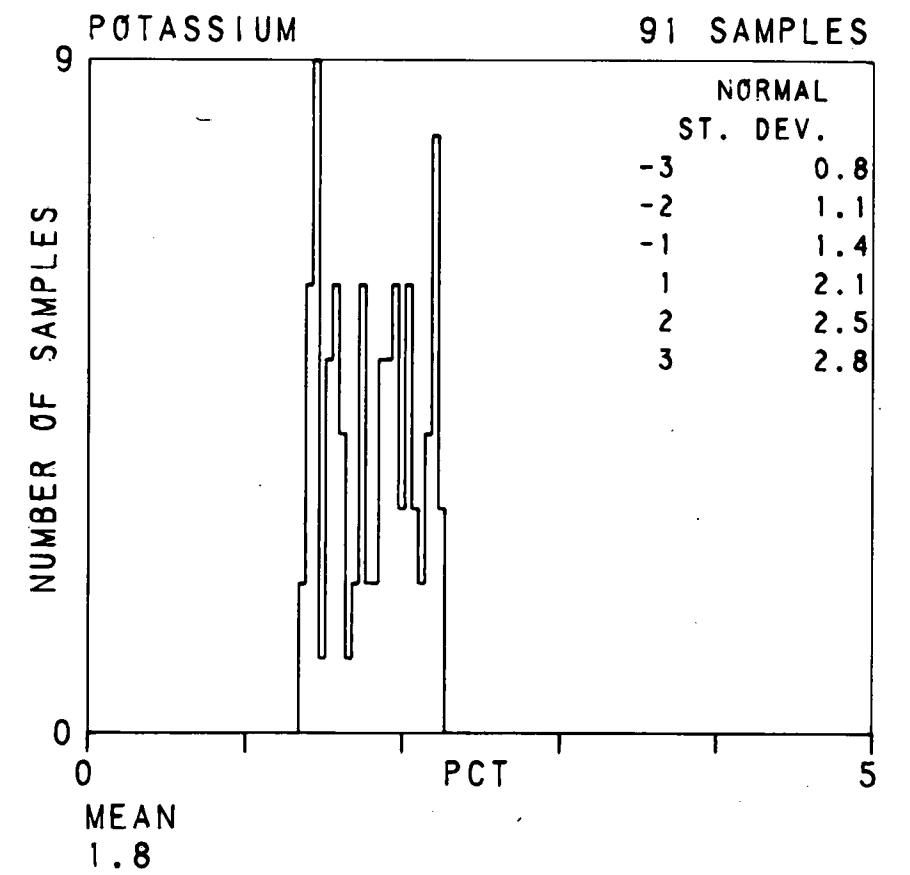
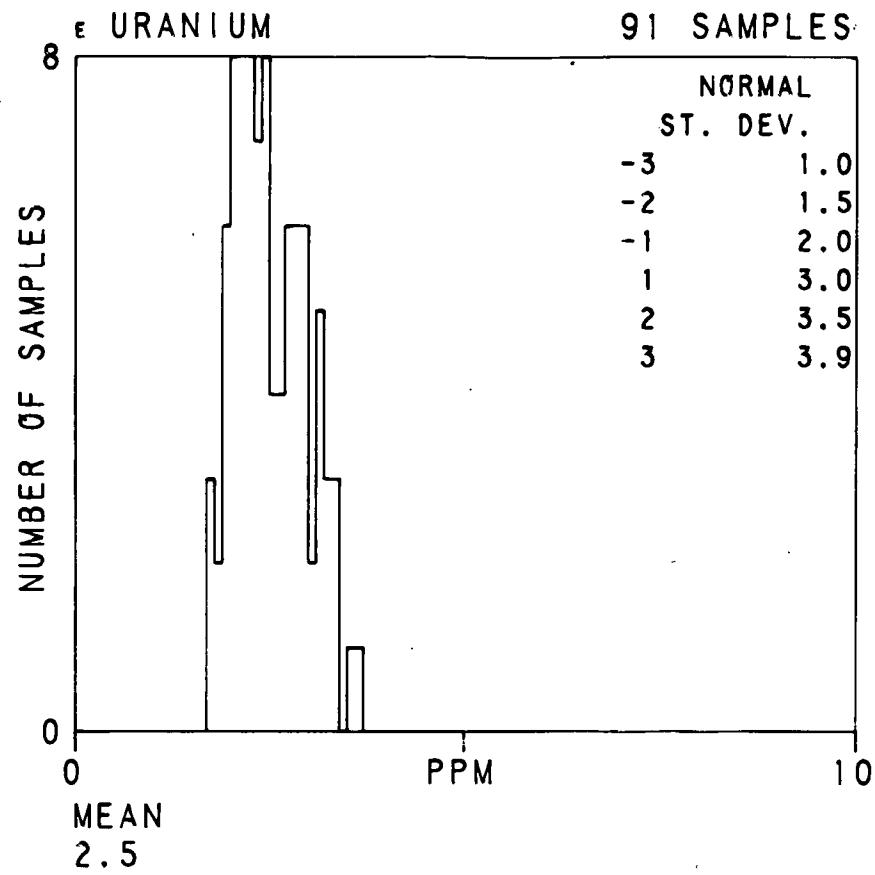
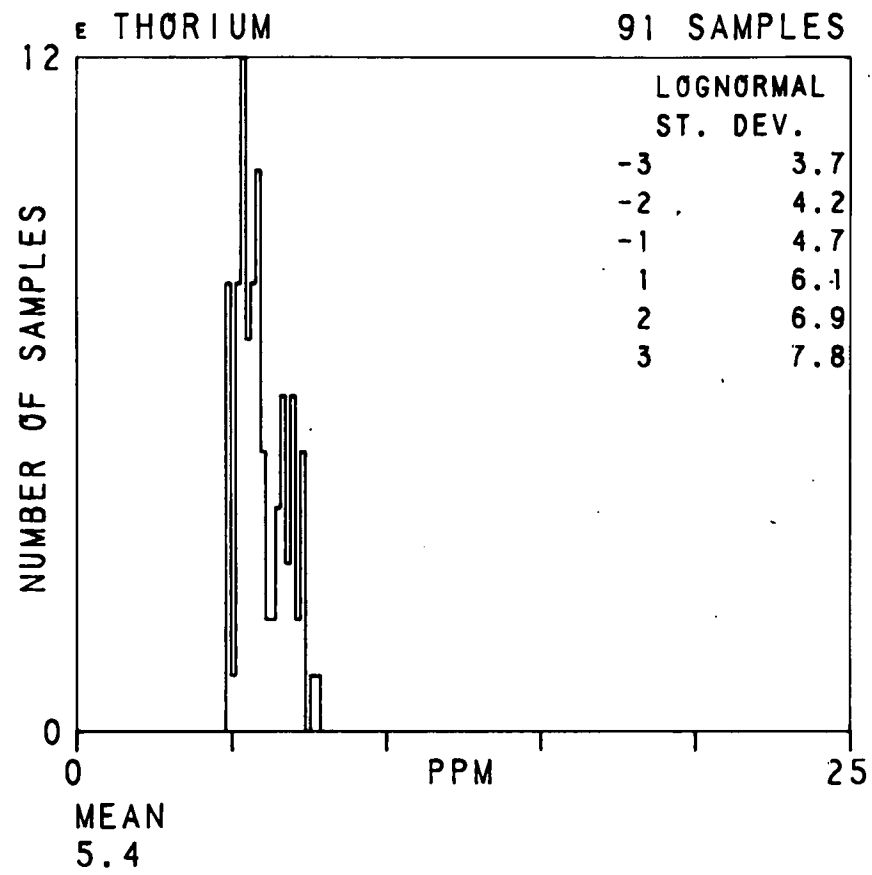


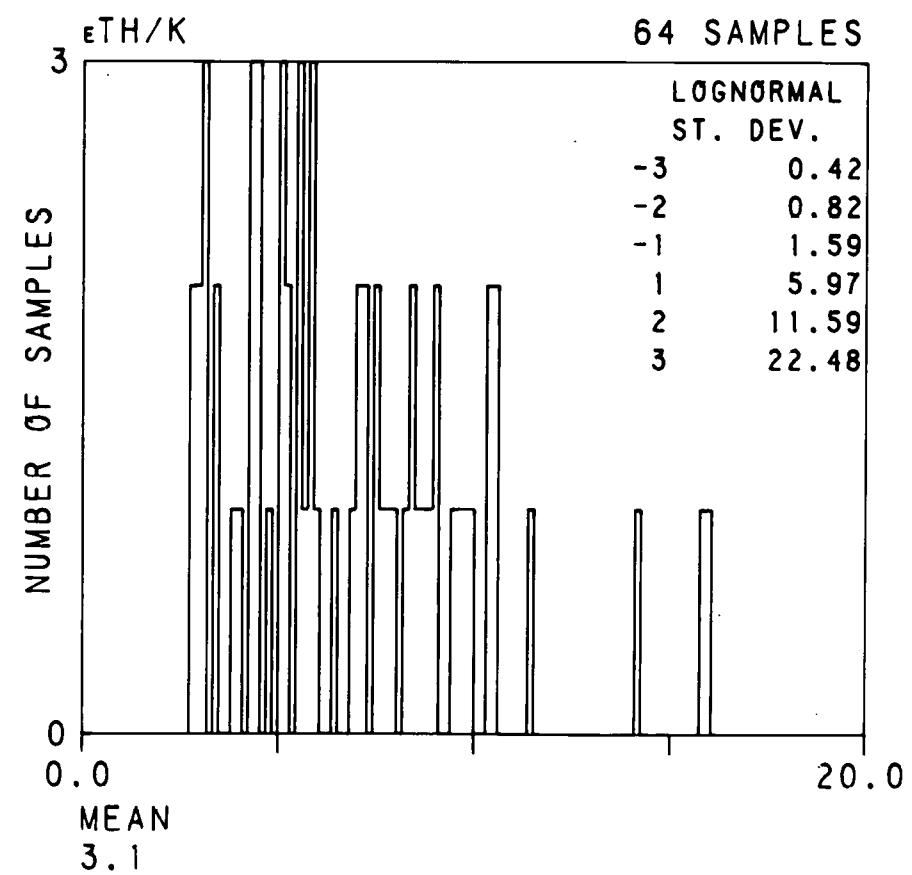
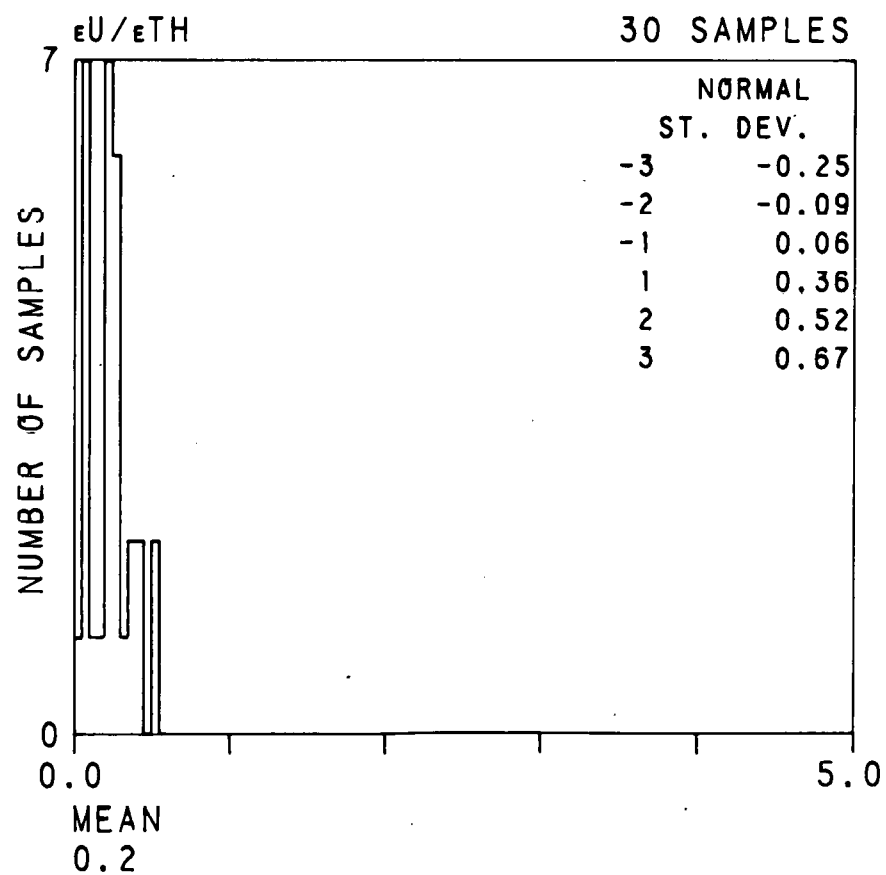
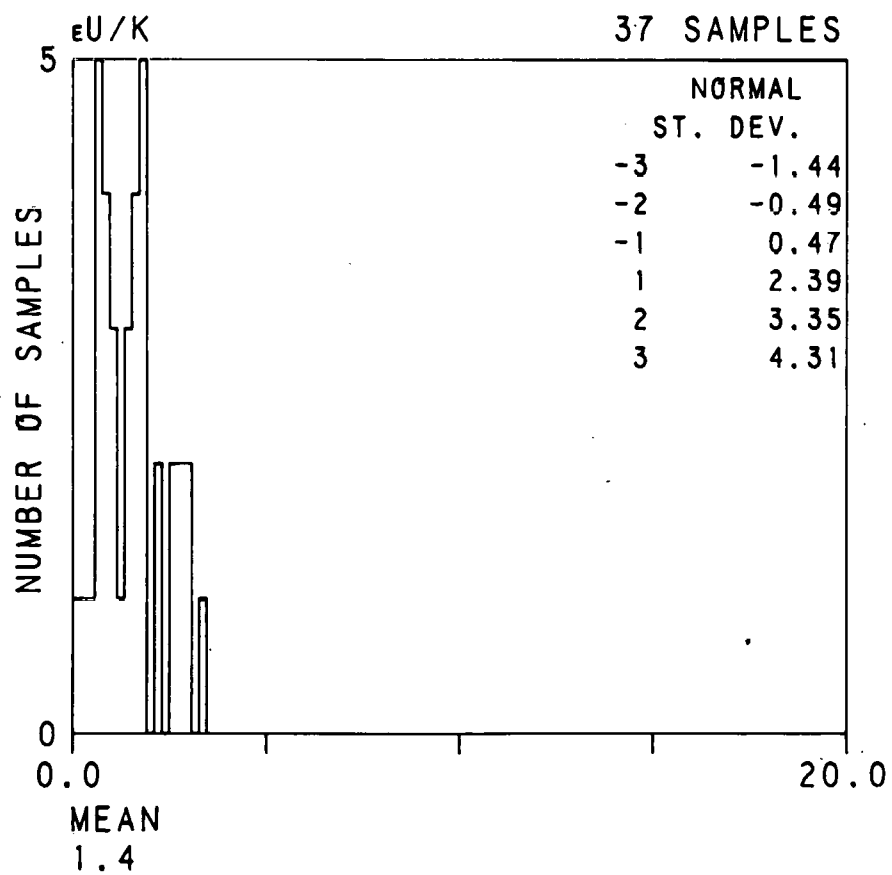
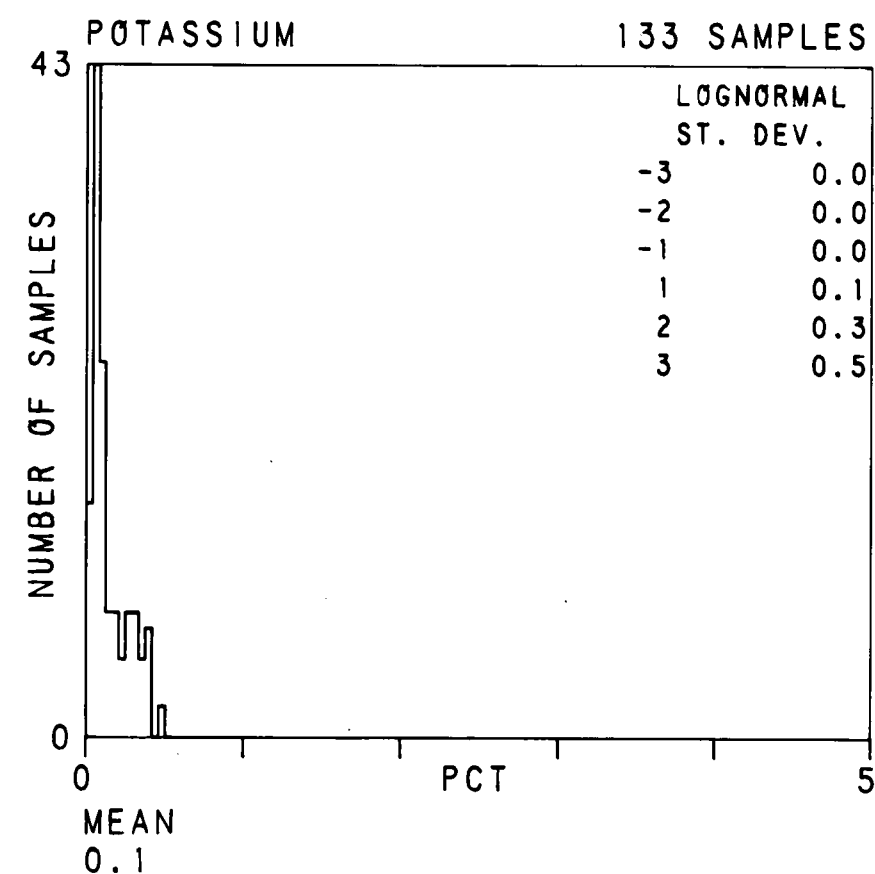
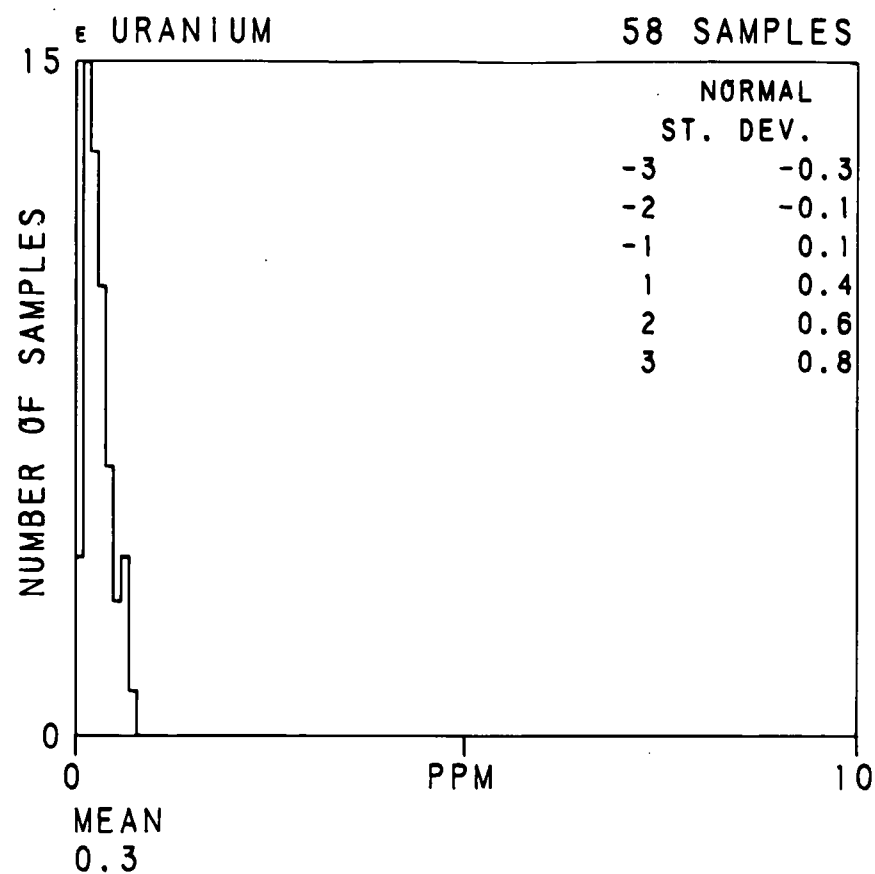
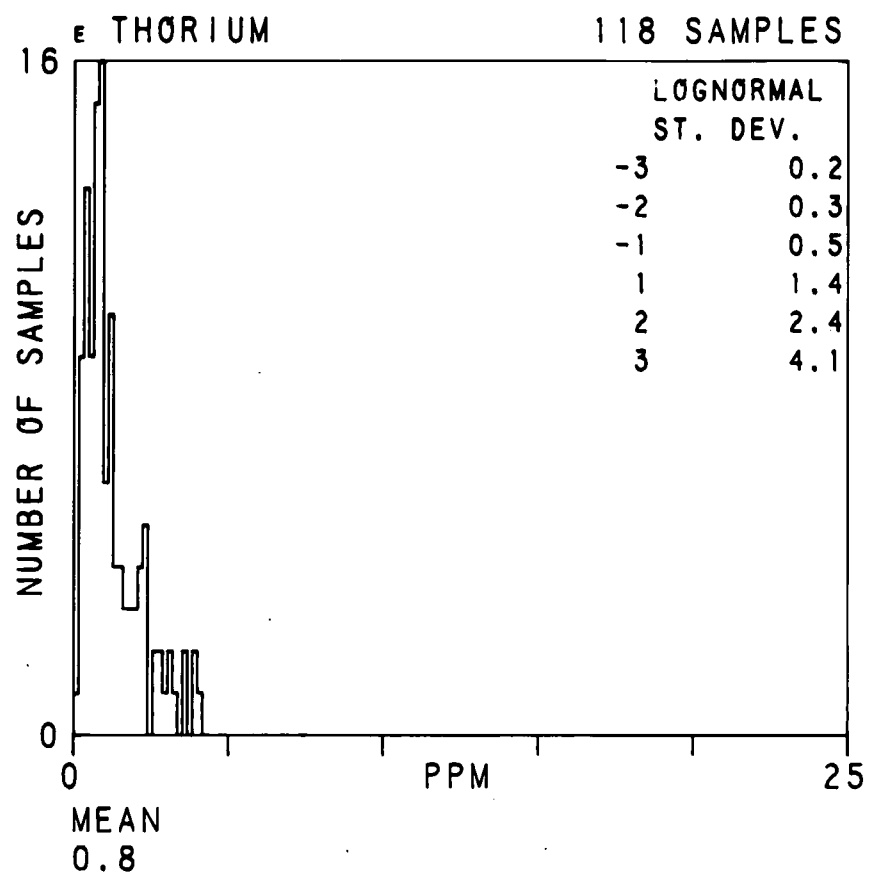


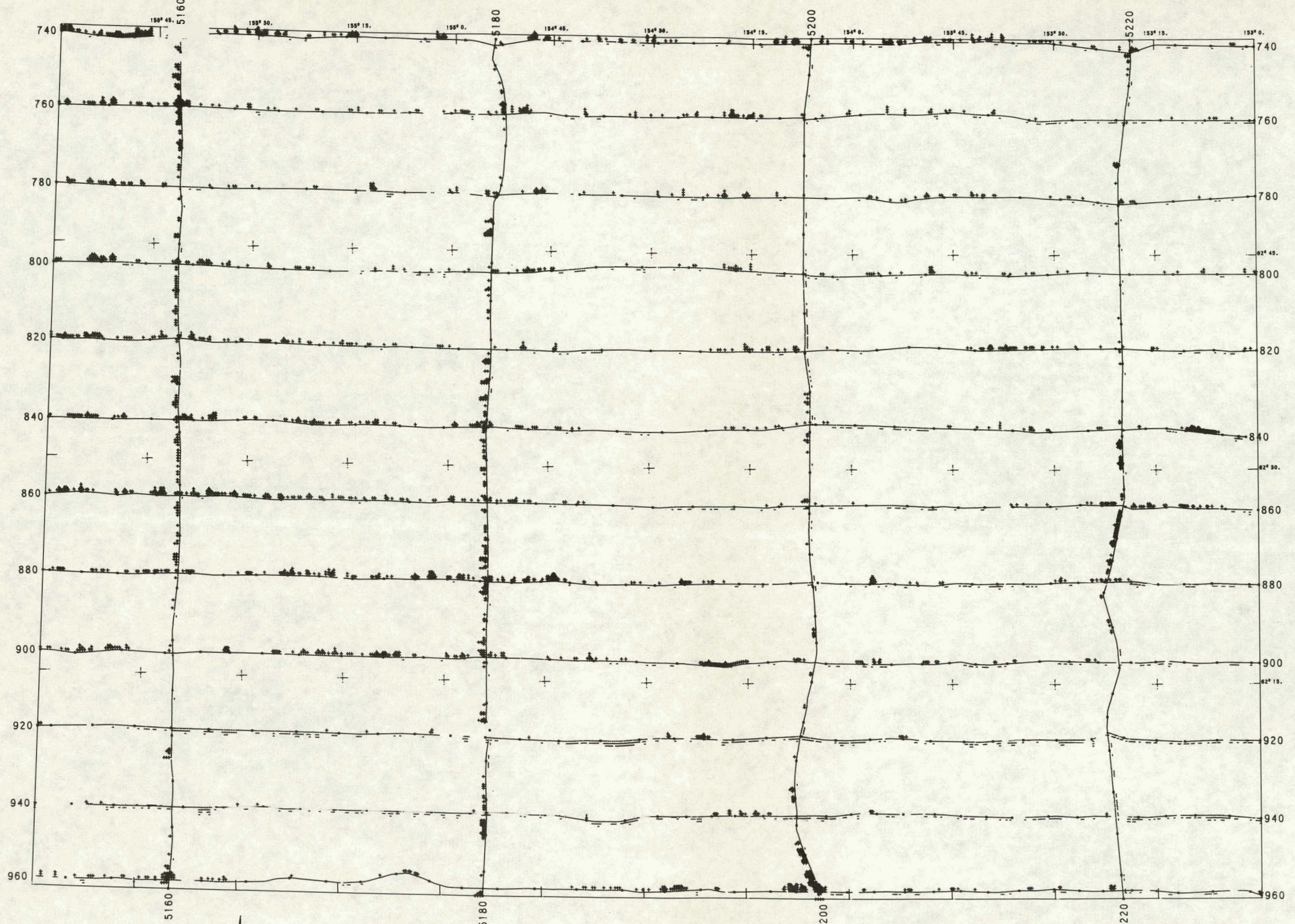




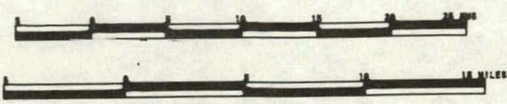
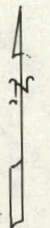








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FLIGHT PATH PLOTTED.....DATA ADEQUATE
FLIGHT PATH BLANK.....DATA INADEQUATE

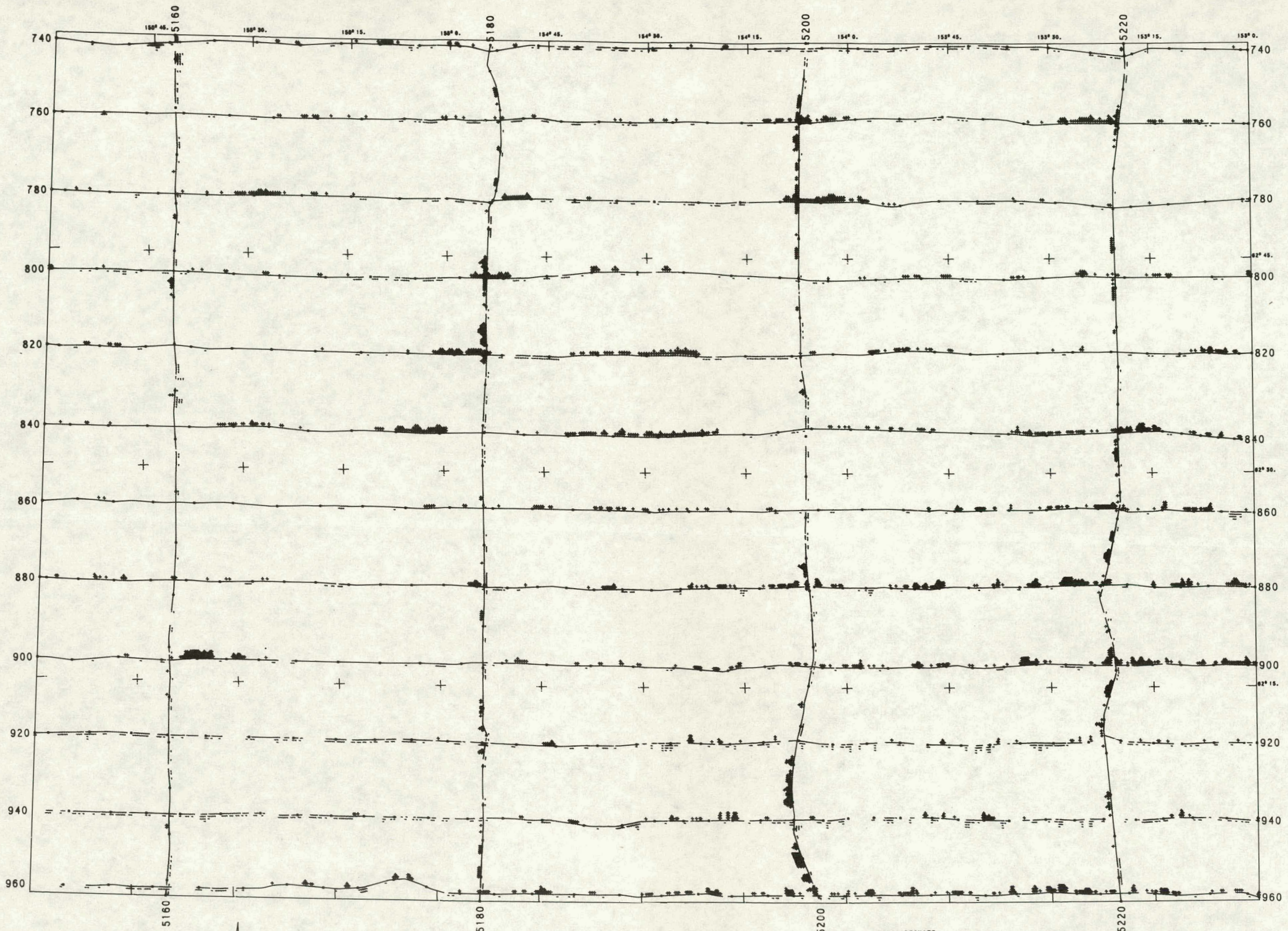
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+ + +.....ABOVE MEAN
- - -.....COUNT RATE LOWER THAN 3.2,1 STANDARD DEVIATION(S)
-.....BELOW MEAN

NEITHER + NOR -.....COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
FLOWN AND COMPILED.....1979 - 1980

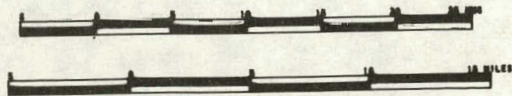
THORIUM / POTASSIUM ANOMALY MAP

MC GRATH

DOE/NURE



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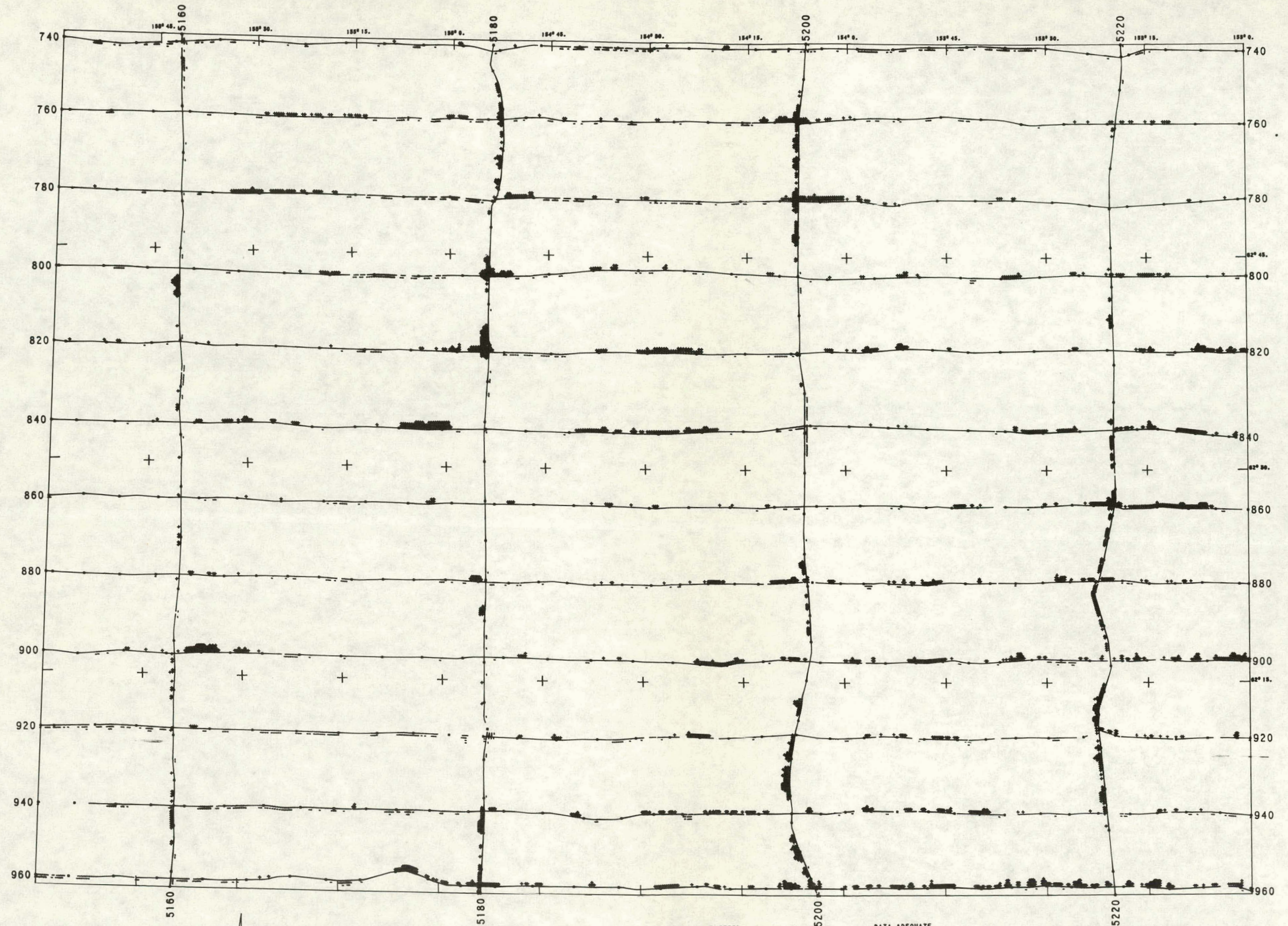


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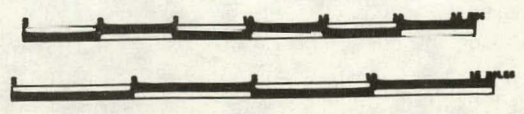
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 BELOW MEAN

NEITHER + NOR -.....COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 FLOWN AND COMPILED.....1979 - 1980

URANIUM ANOMALY MAP
 MC GRATH
 DOE/NURE



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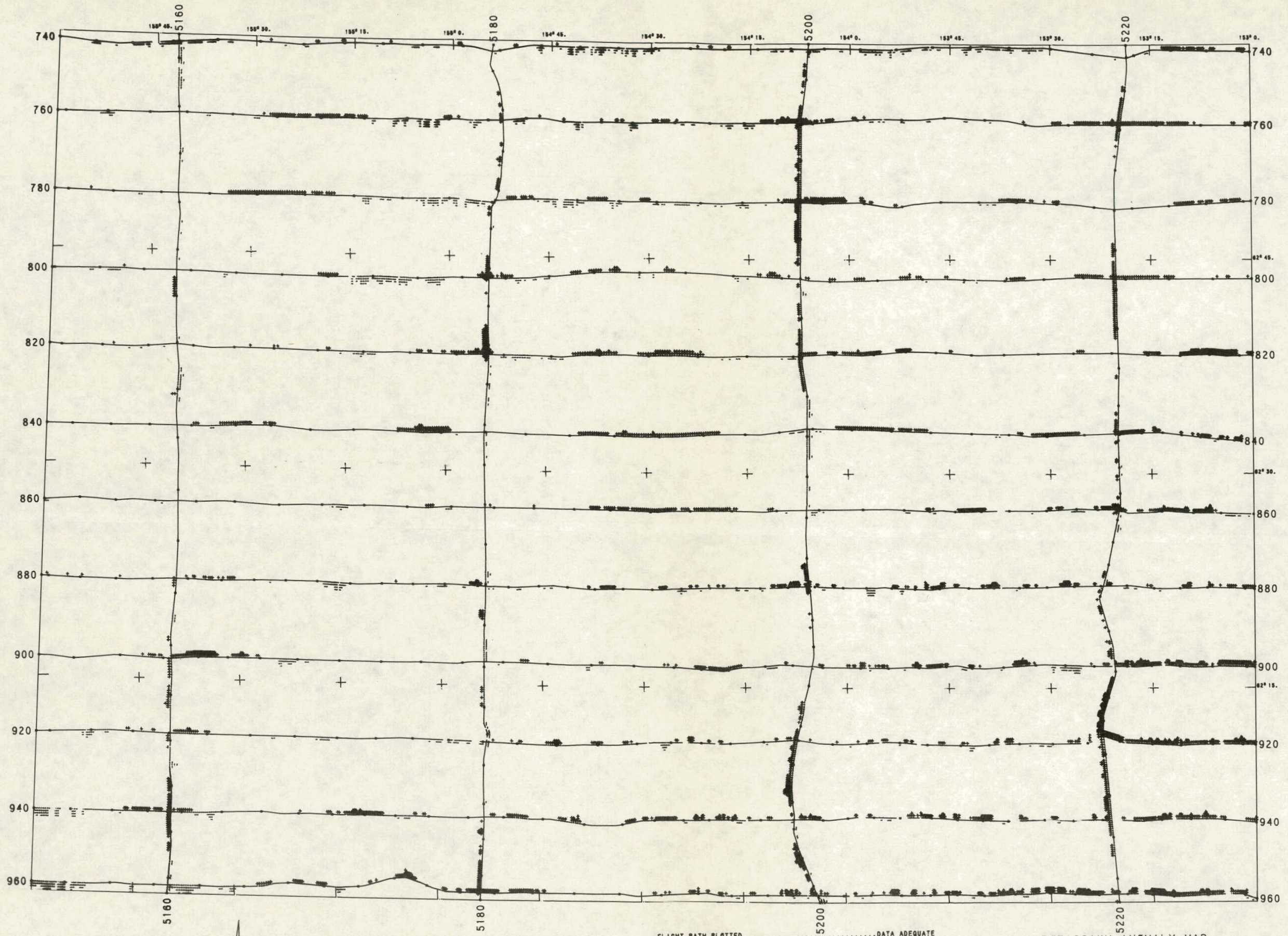


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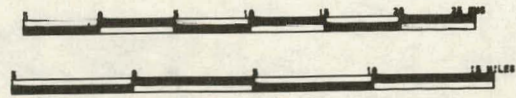
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 ABOVE MEAN
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 BELOW MEAN

NEITHER + NOR -..... COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 FLOWN AND COMPILED..... 1979 - 1989

THORIUM ANOMALY MAP
 MC GRATH
 DOE/NURE



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FLIGHT PATH PLOTTED.....DATA ADEQUATE
FLIGHT PATH BLANK.....DATA INADEQUATE

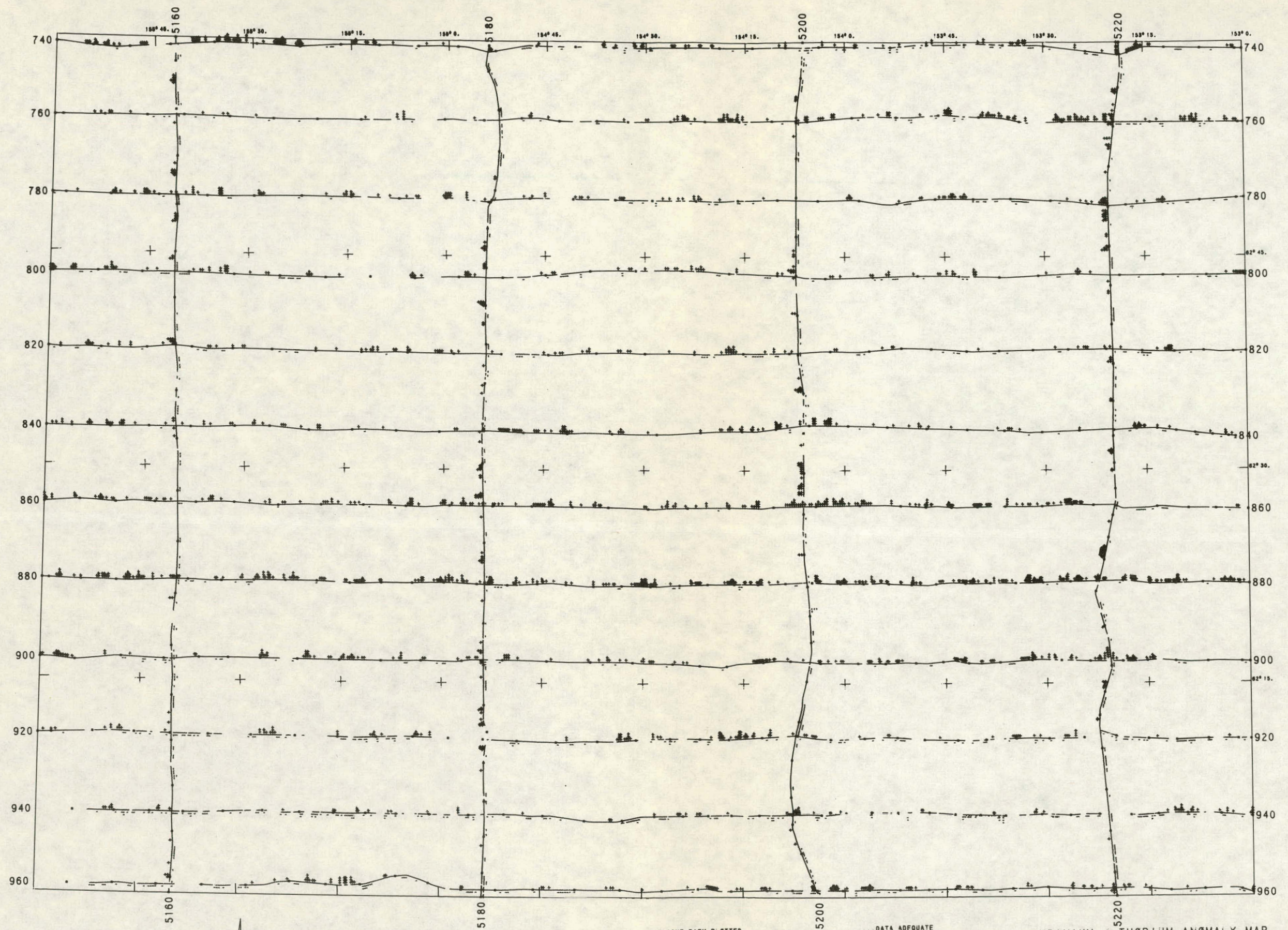
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 ABOVE MEAN
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NEITHER + NOR -.....COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
FLOWN AND COMPILED.....1979 - 1980

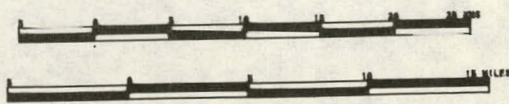
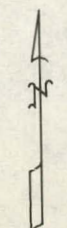
POTASSIUM ANOMALY MAP

MC GRATH

DOE/NURE



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FLIGHT PATH PLOTTED..... DATA ADEQUATE
 FLIGHT PATH BLANK..... DATA INADEQUATE

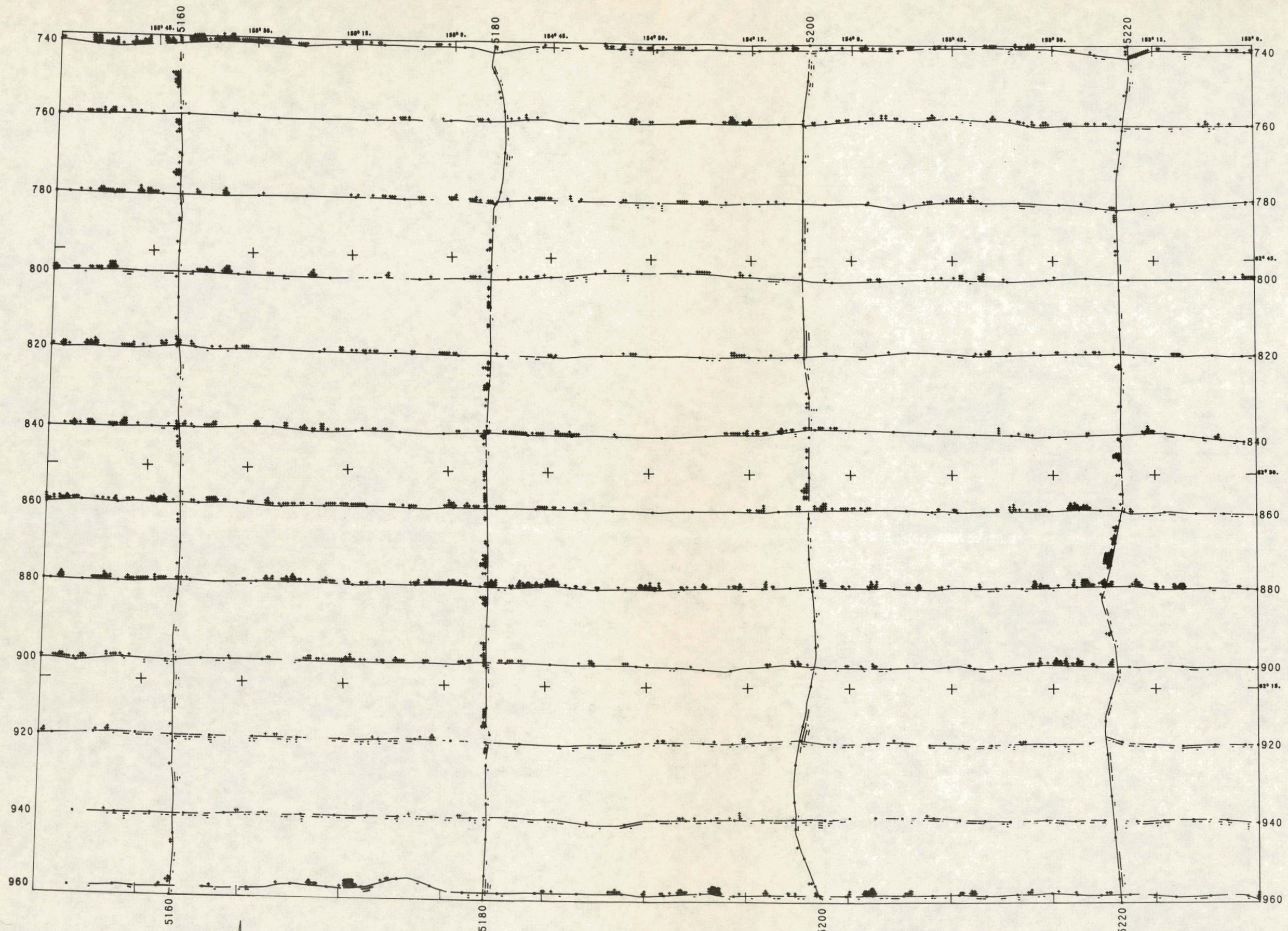
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 ABOVE MEAN
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 BELOW MEAN

NEITHER + NOR COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 FLOWN AND COMPILED..... 1979 - 1980

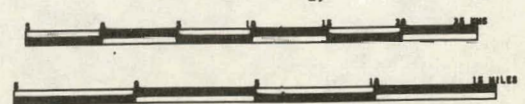
URANIUM / THORIUM ANOMALY MAP

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FLIGHT PATH PLOTTED..... DATA ADEQUATE
 FLIGHT PATH BLANK..... DATA INADEQUATE

+..... COUNT RATE GREATER THAN 3,2,1 STANDARD DEVIATION(S) ABOVE MEAN
 +++..... COUNT RATE LOWER THAN 3,2,1 STANDARD DEVIATION(S) BELOW MEAN
 - - -..... COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 NEITHER + NOR -..... COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 FLOWN AND COMPILED..... 1979 - 1980

URANIUM / POTASSIUM ANOMALY MAP

MC GRATH

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