

Geology
GJBX-75-75

GEOLOGY

GJBX-75 '80

Airborne Gamma-Ray Spectrometer and Magnetometer Survey

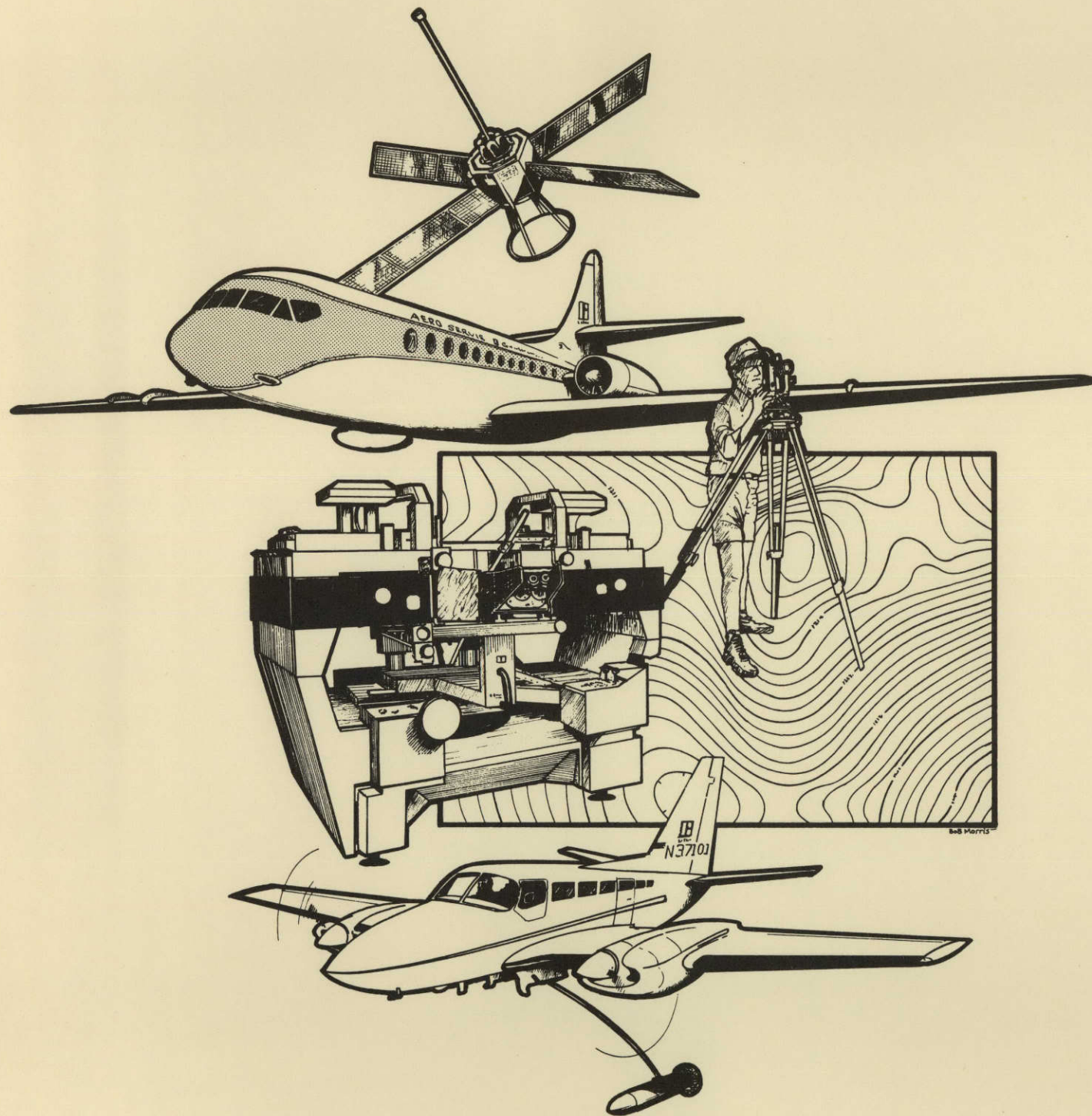
Ruby Quadrangle
(Alaska)

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

GEOLOGICAL SURVEY OF WYOMING



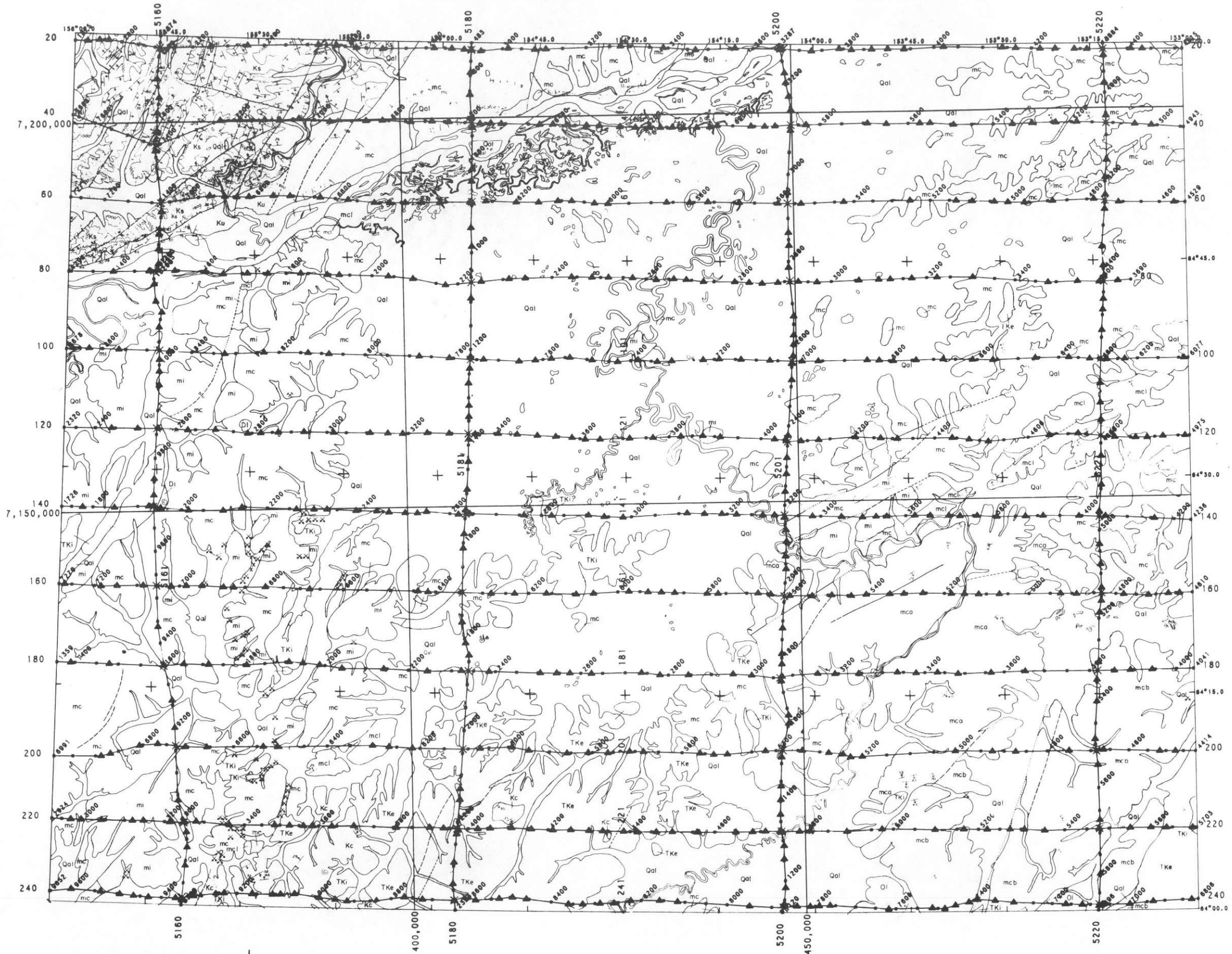
 **AERO SERVICE**
Litton

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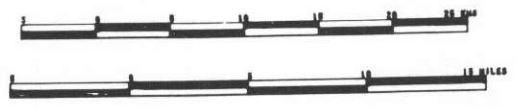
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G E O L O G I C L E G E N D

<u>Aero Symbol</u>	<u>Map Symbol</u>	
QA	= Qal	: Quaternary alluvium
KS	= Ks	: Cretaceous Shaktolik group
KU	= Ku	: Cretaceous Ungalik conglomerates
KC	= Kc	: Lower Cretaceous to chert and argillite
MI	= Mi	: Metamorphic igneous rock
DL	= Dl	: Devonian limestone
OL	= Ol	: Ordovician and Older (?) limestone and dolomite
MC	= Mc	: Metamorphic complex
MCL	= Mcl	: Crystalline limestone of metamorphic complex
MCB	= Mcb	: Younger schist and quartzite unit of metamorphic complex
MCA	= Mca	: Older limestone and greenstone unit of metamorphic complex
TKI	= TKi	: Tertiary/Cretaceous intrusive rocks
TKF	= TKif	: Tertiary/Cretaceous felsic intrusive rocks
TKE	= TKe	: Tertiary/Cretaceous extrusive rocks
IRA	= Ira	: Pre-Cretaceous igneous rocks
W		: Water

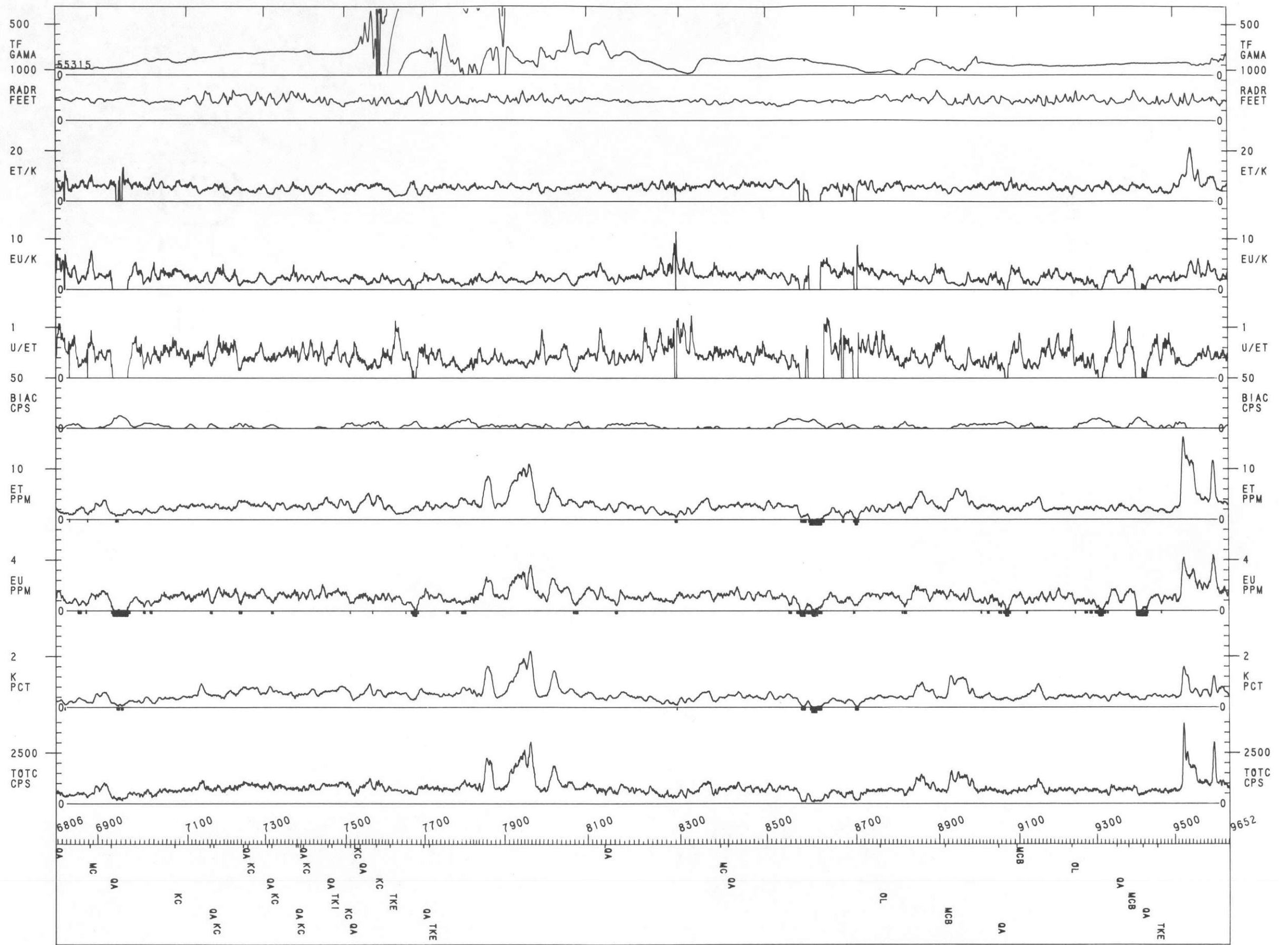


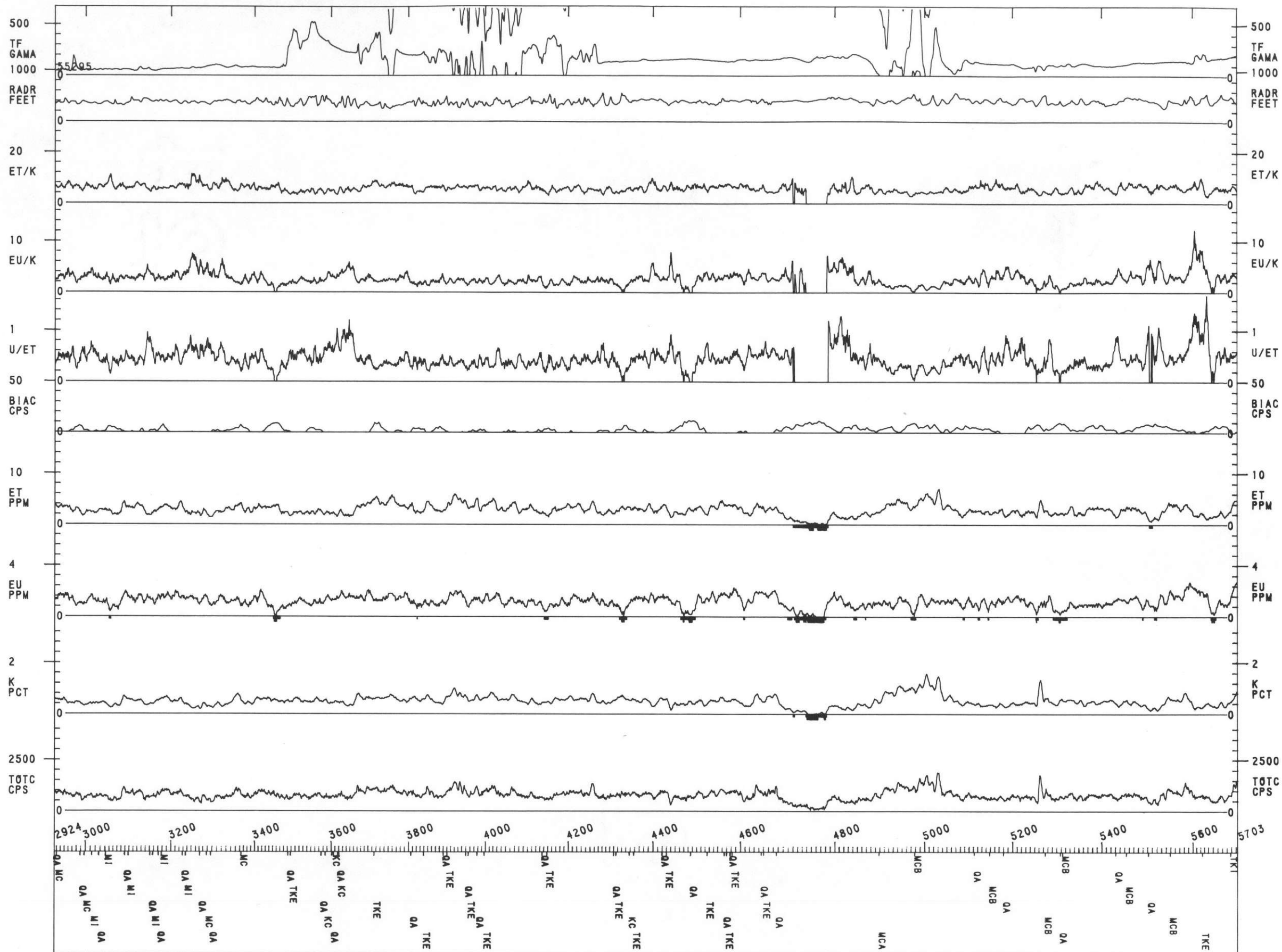
AERO SERVICE
HOUSTON, TEXAS 77001



X.....FILM IDENTIFIED TRAVERSE/TIE LINE INTERSECTION
 A.....FILM IDENTIFIED GROUND CONTROL
 O.....INDEX FIDUCIAL (100 FIDUCIAL INTERVALS)
 FLOWN 1978

FLIGHT PATH
RUBY
DOE/MURE

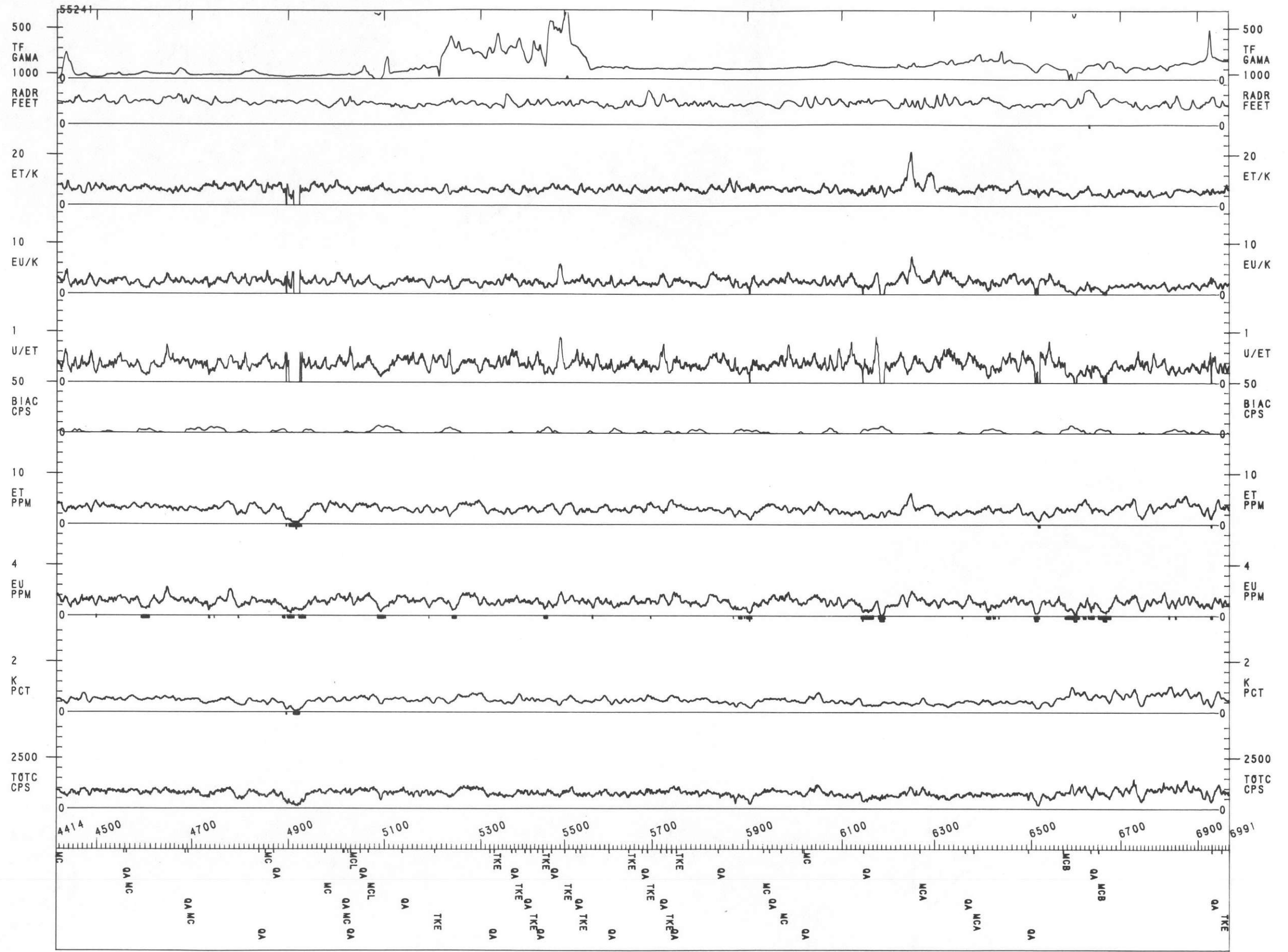


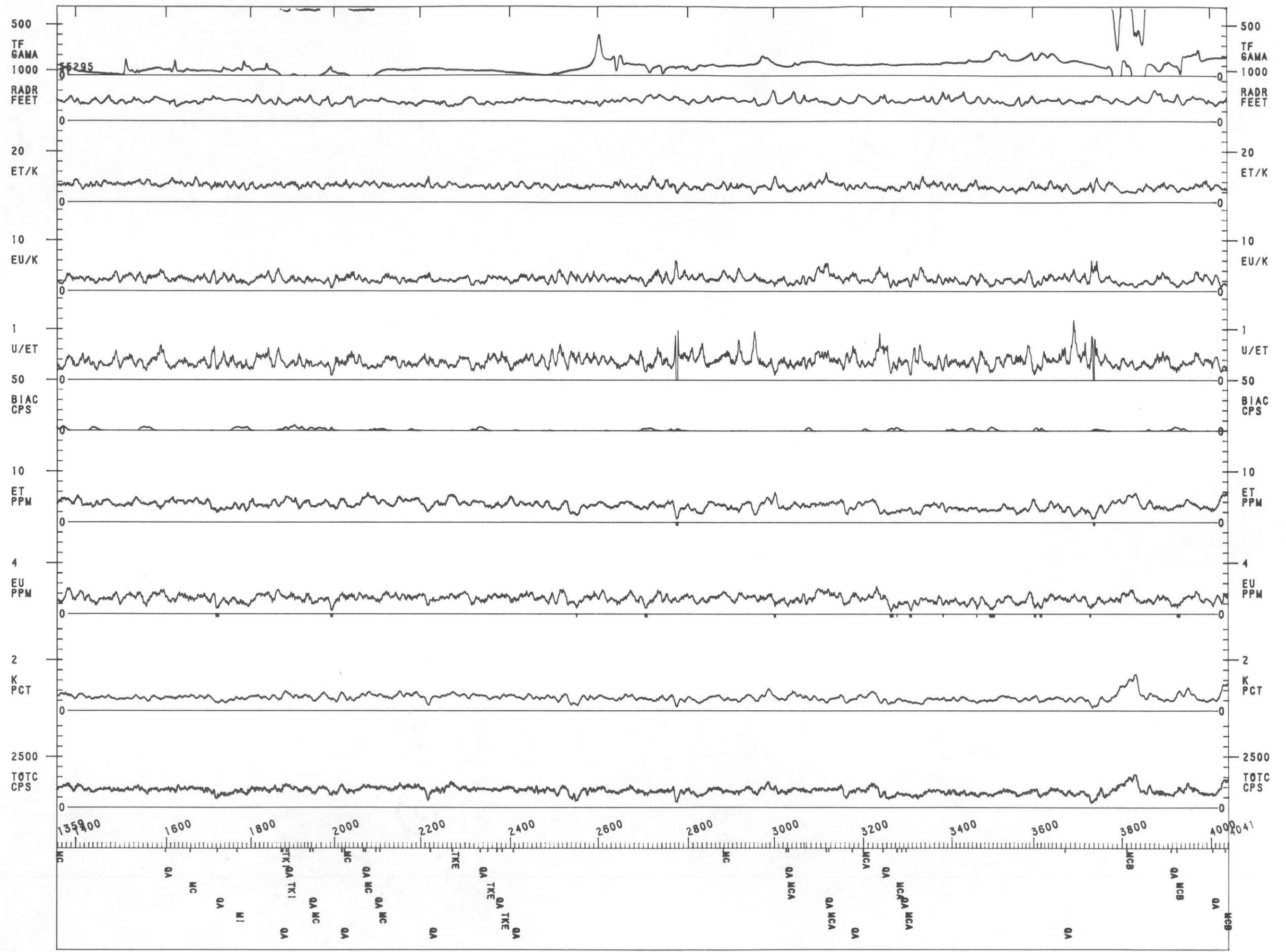


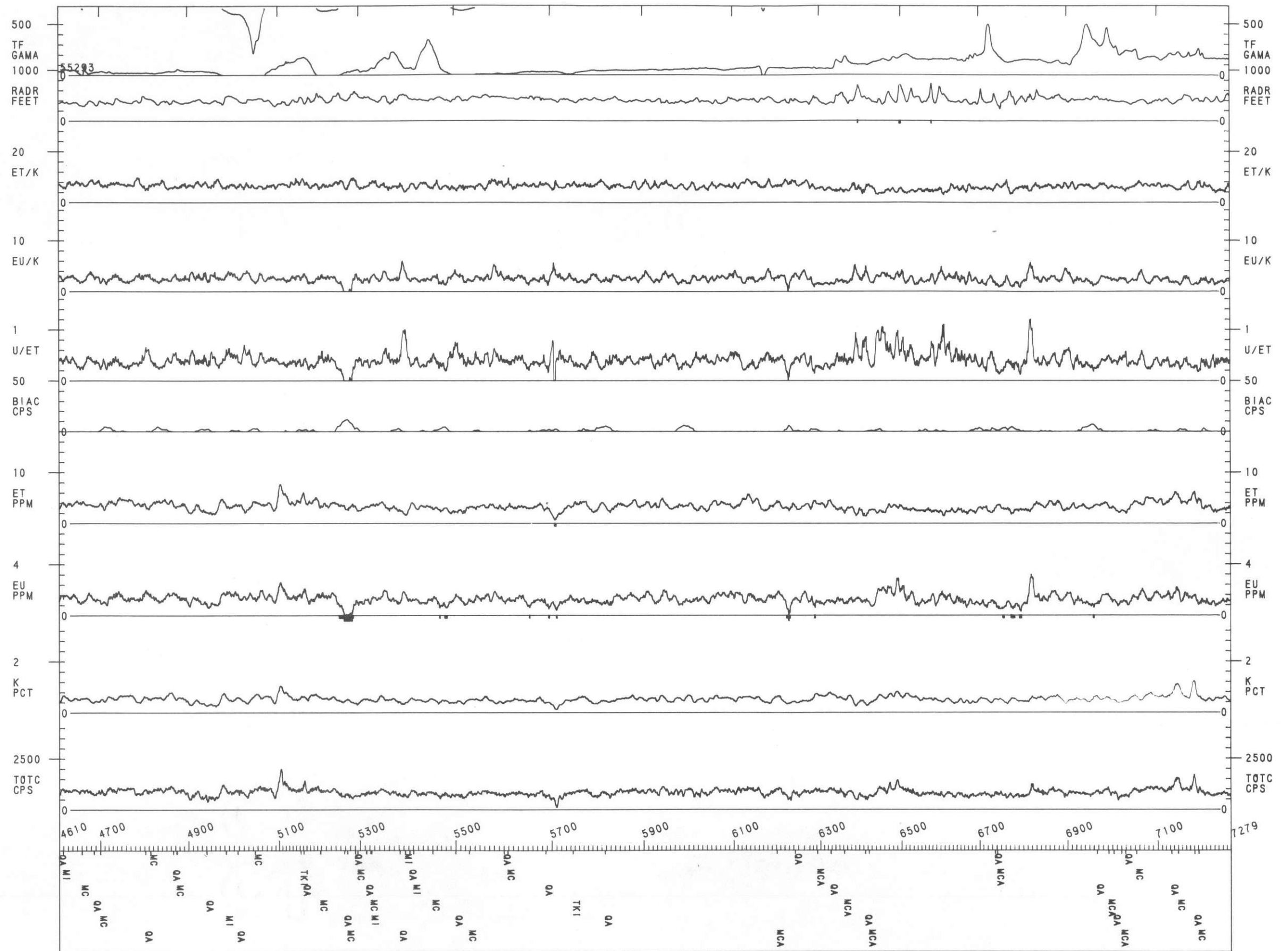
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 0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
 JOB 9608
 FLOWN 1979

DOE/NURE
 RUBY QUAD
 LINE 220



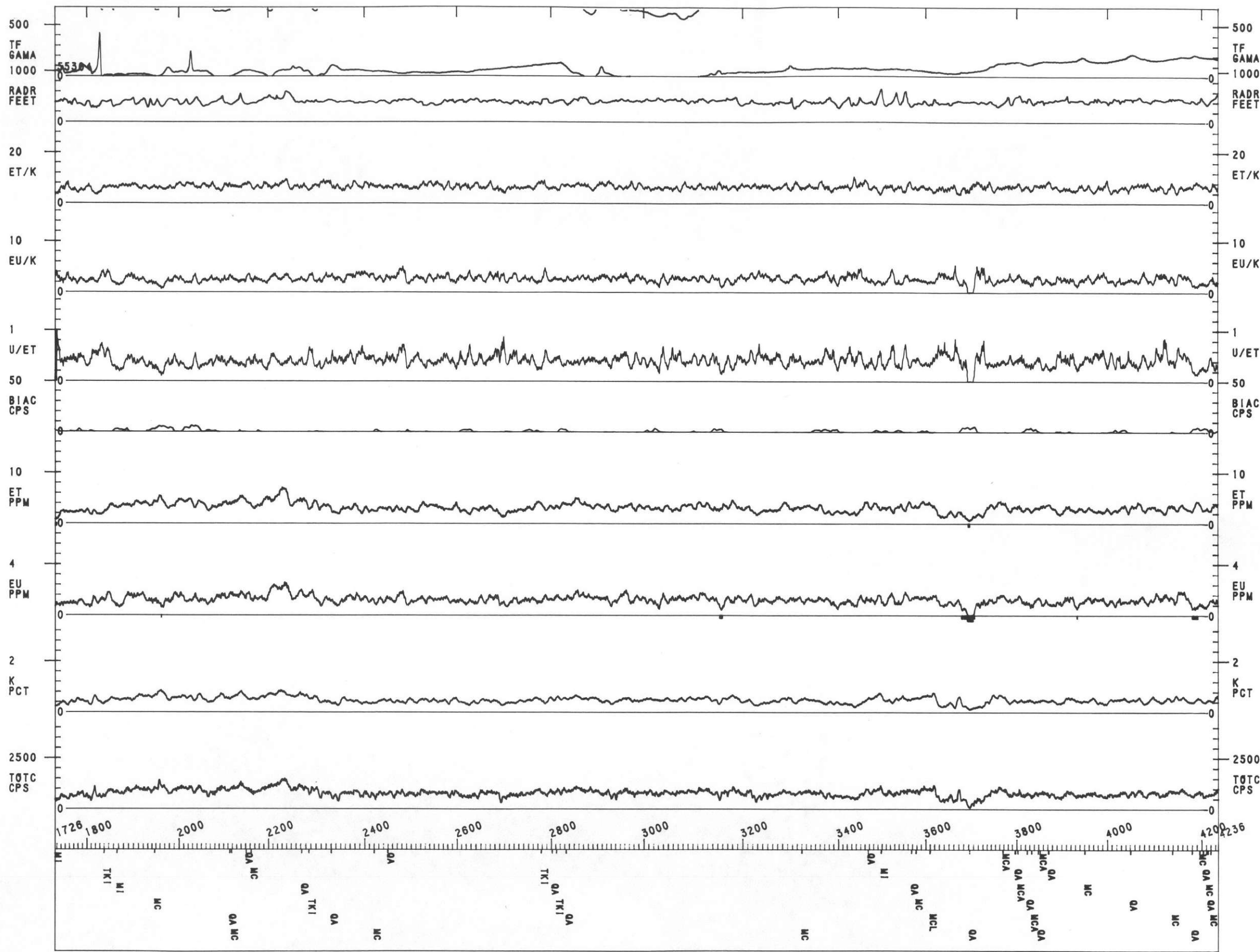


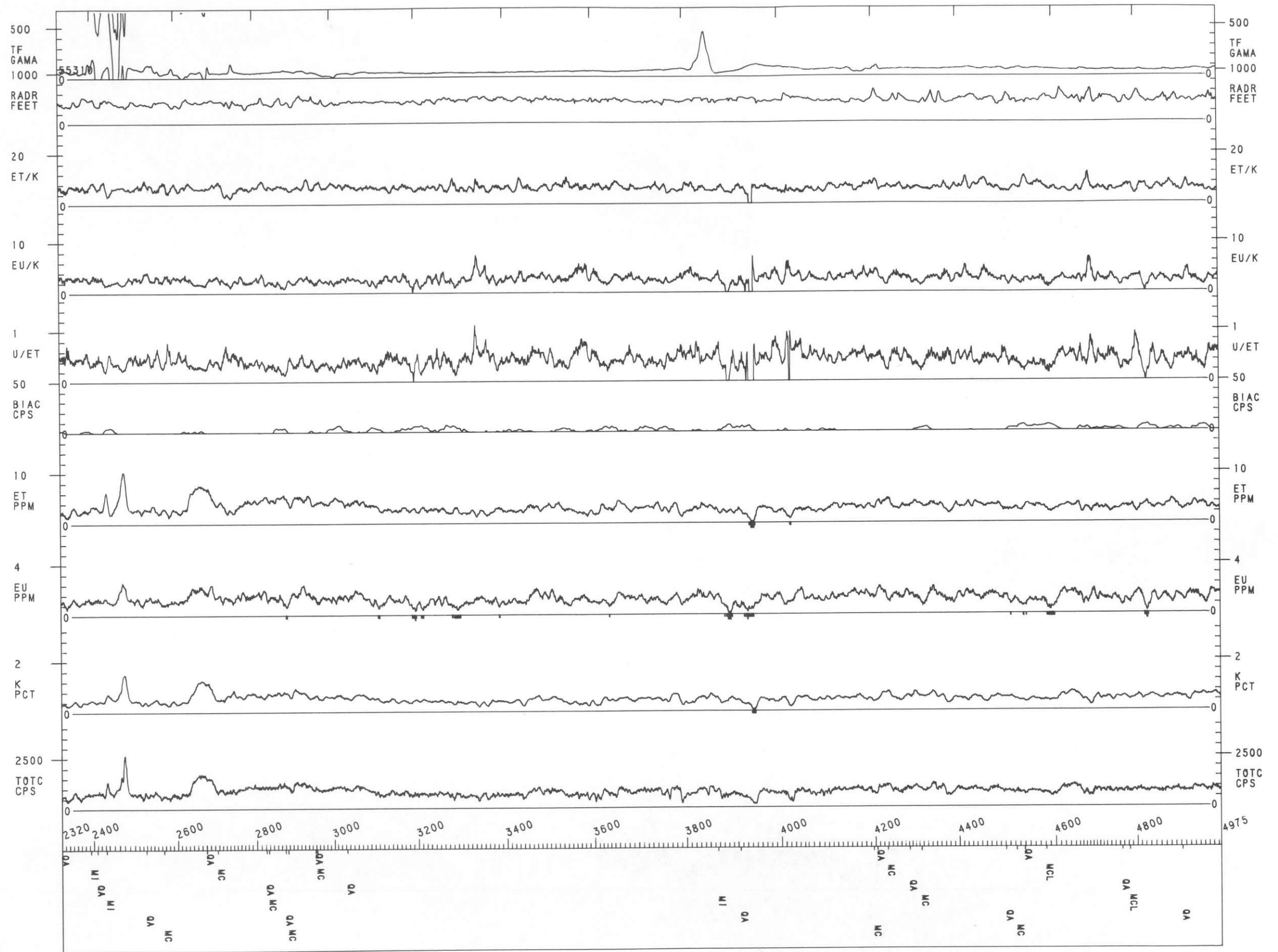


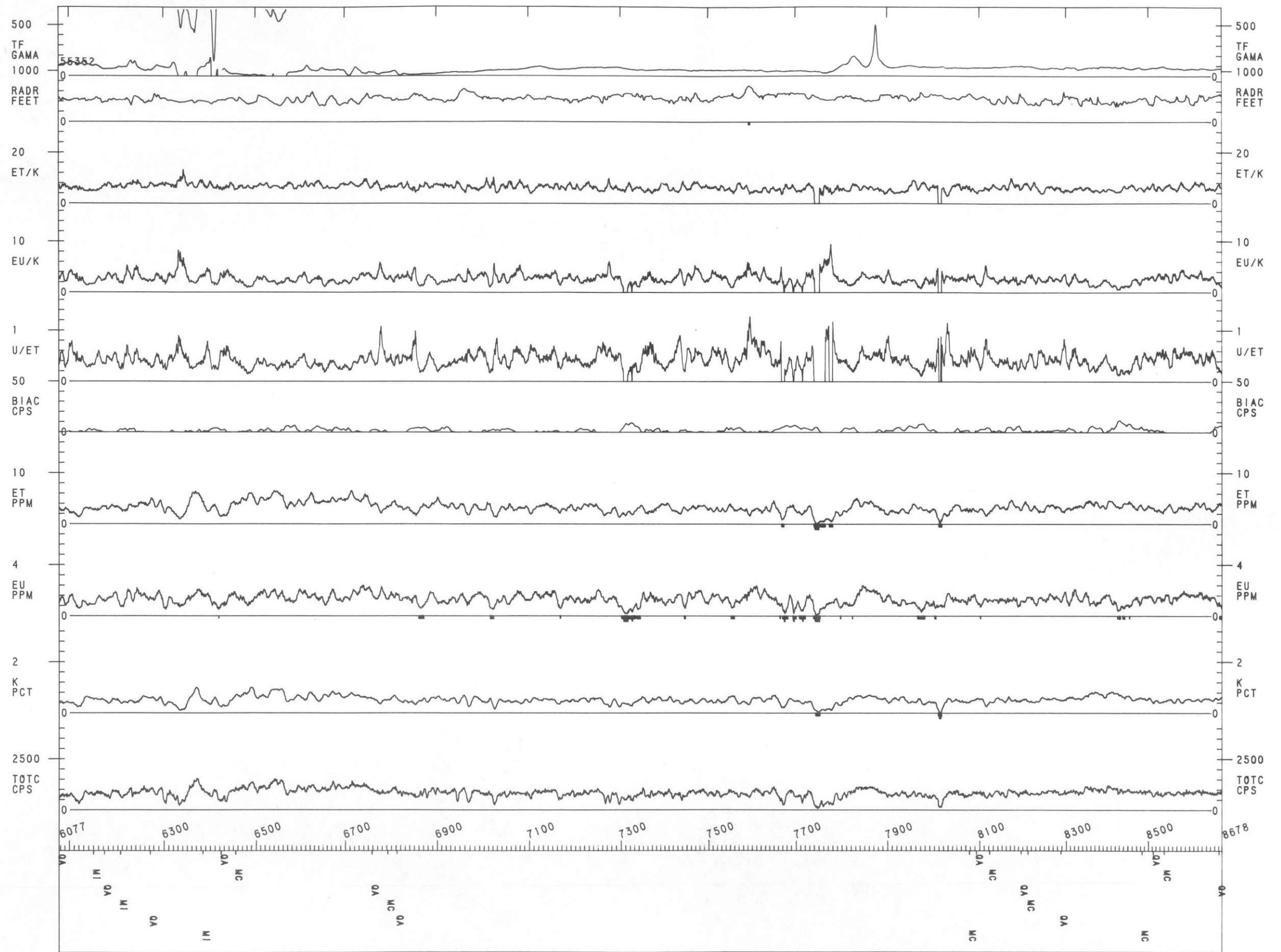
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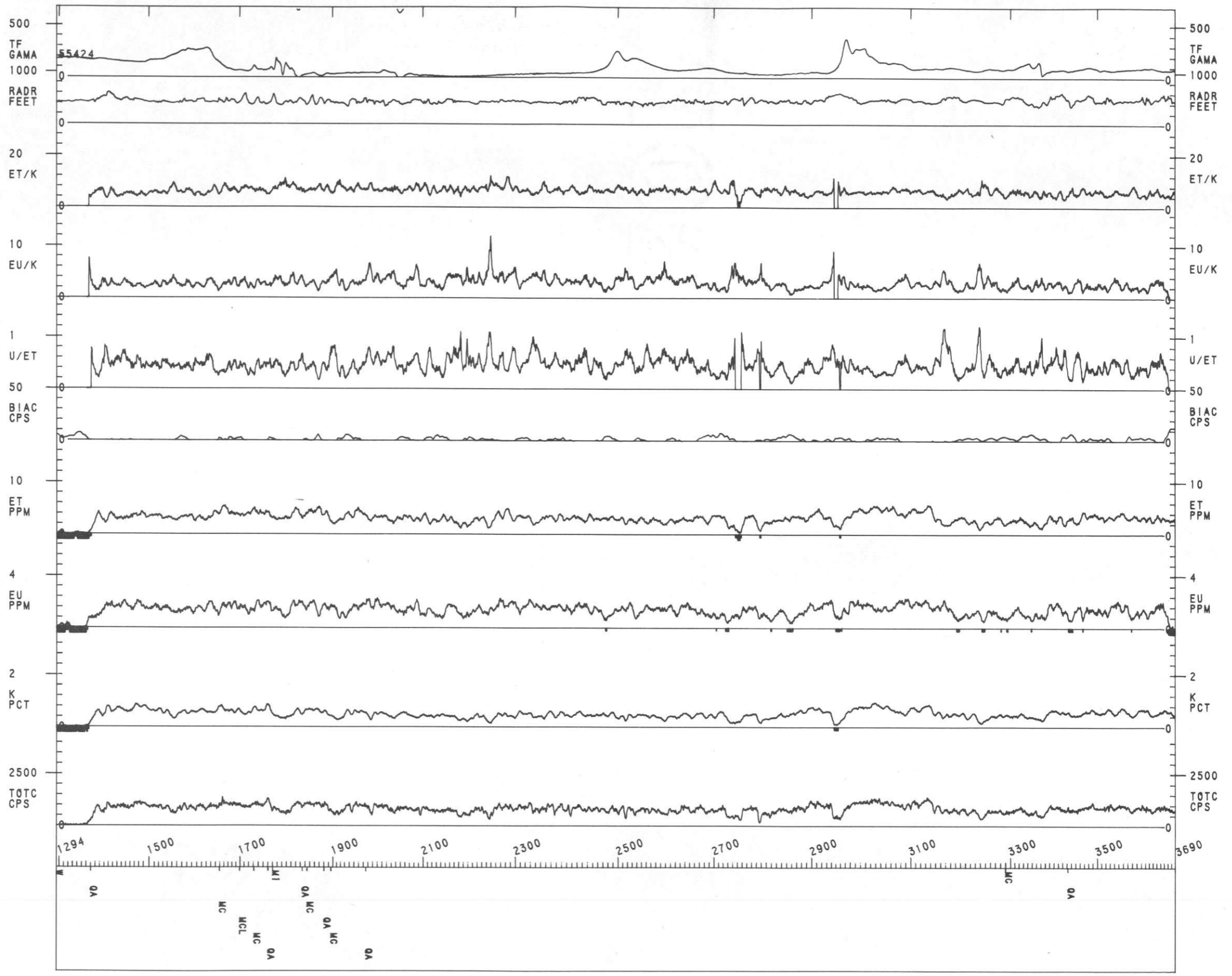


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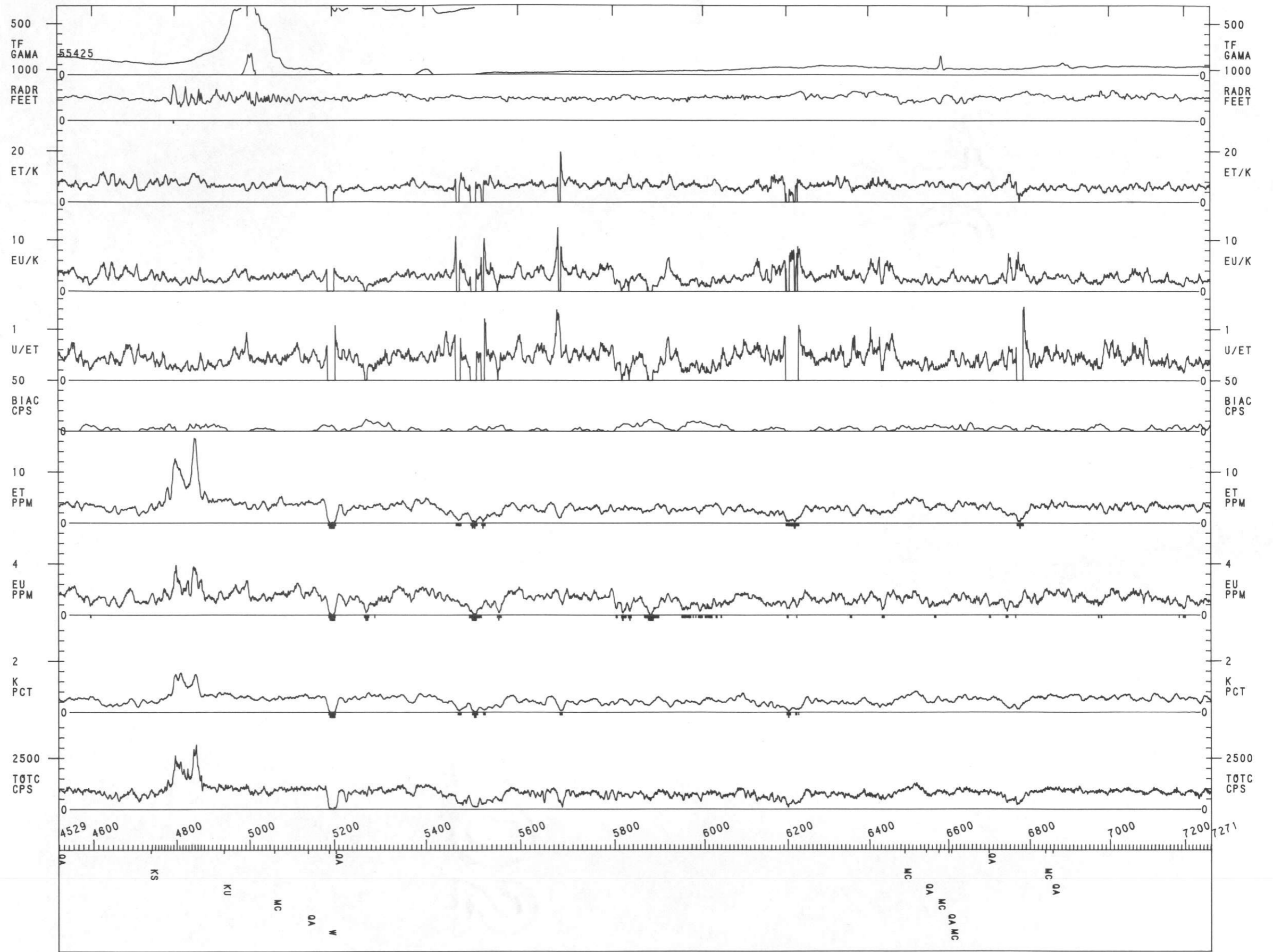
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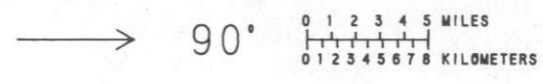
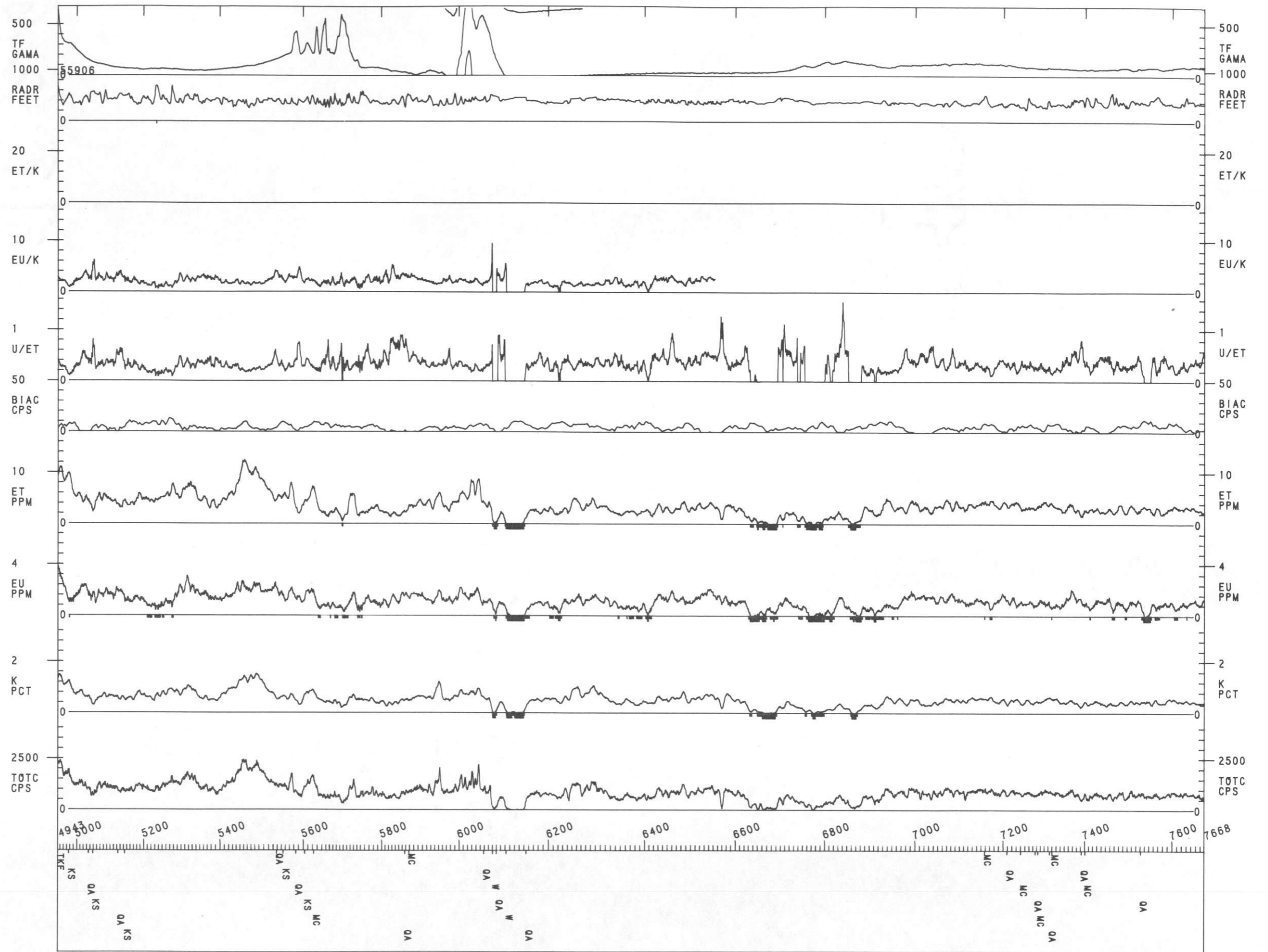
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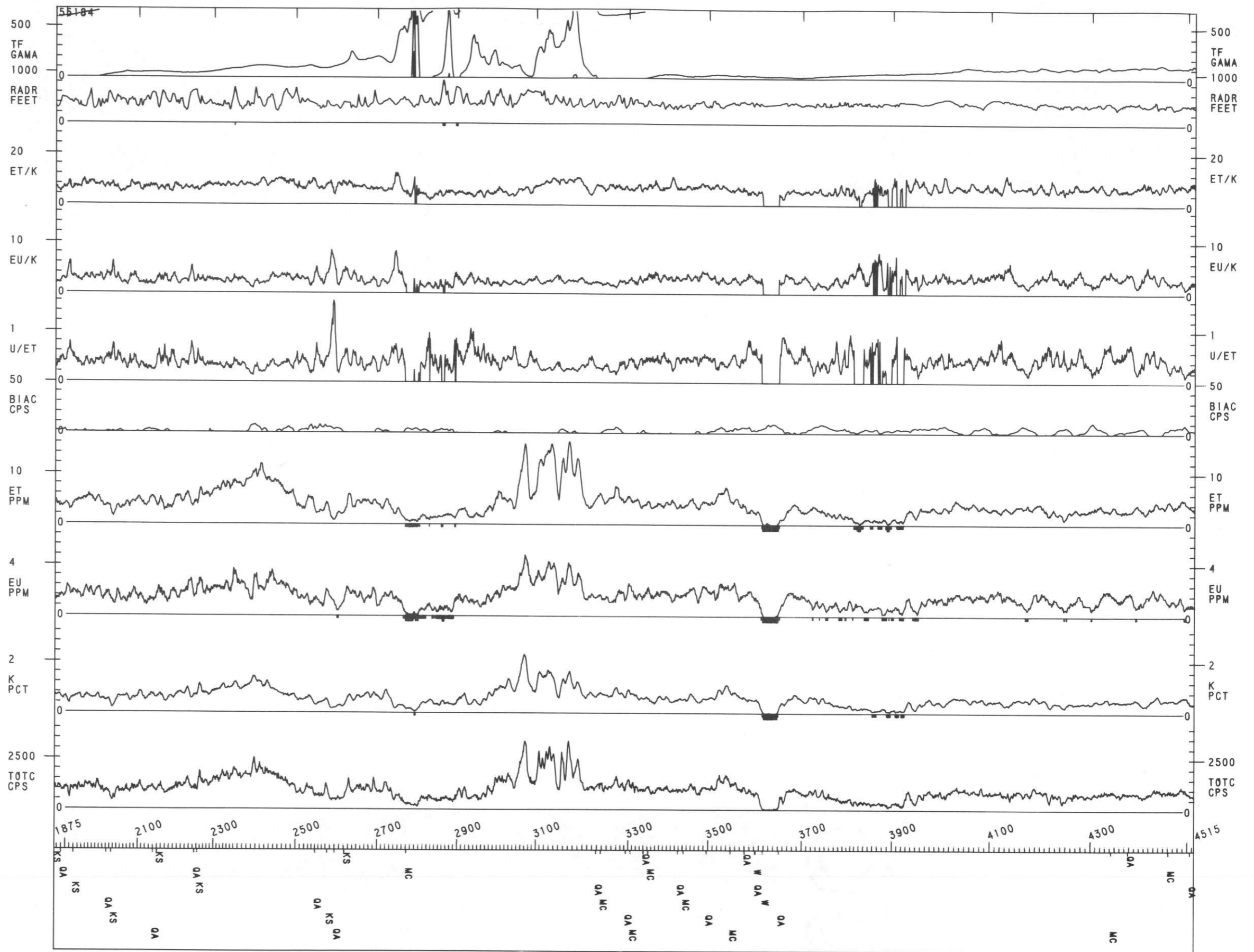
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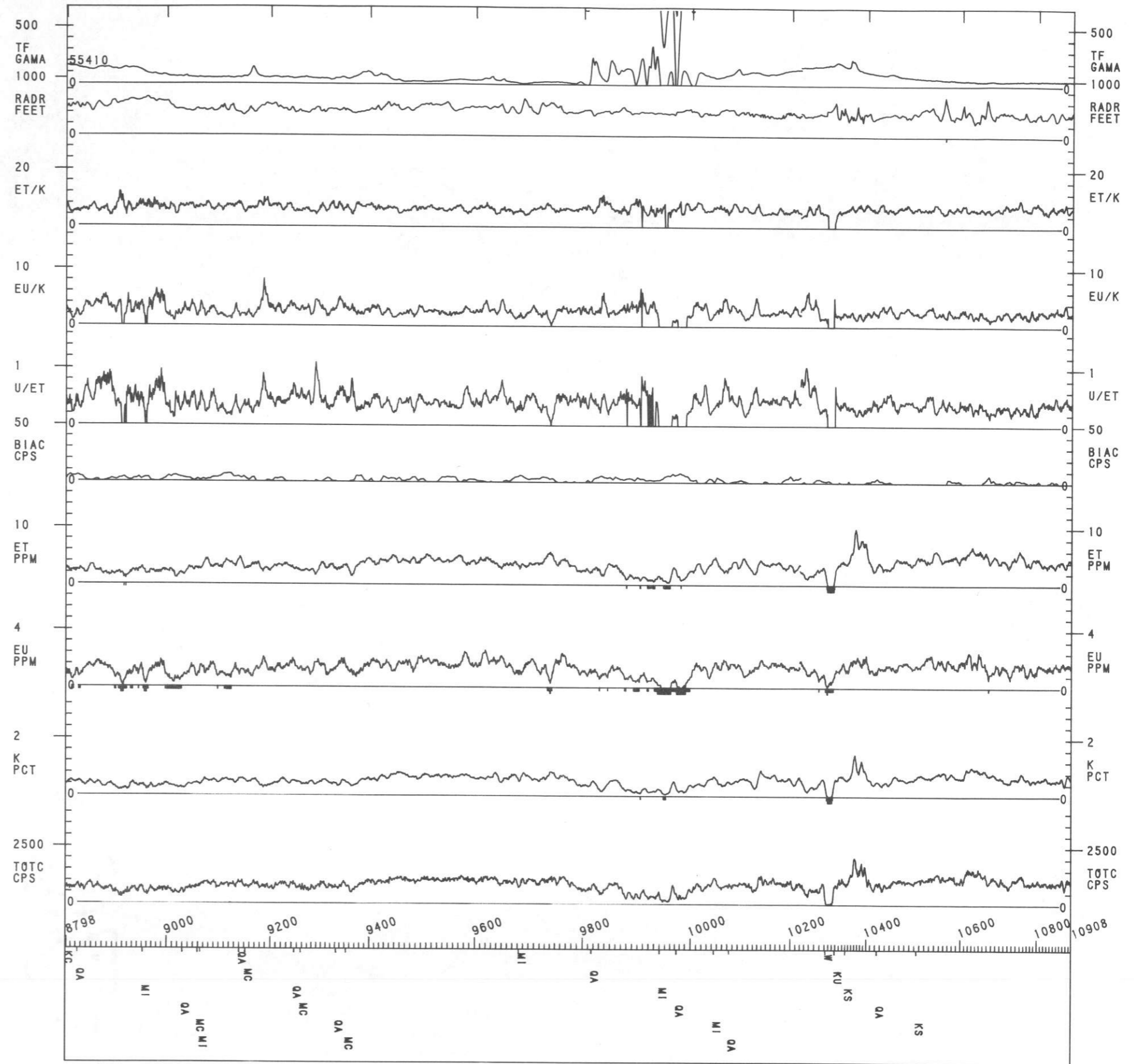


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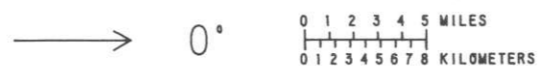
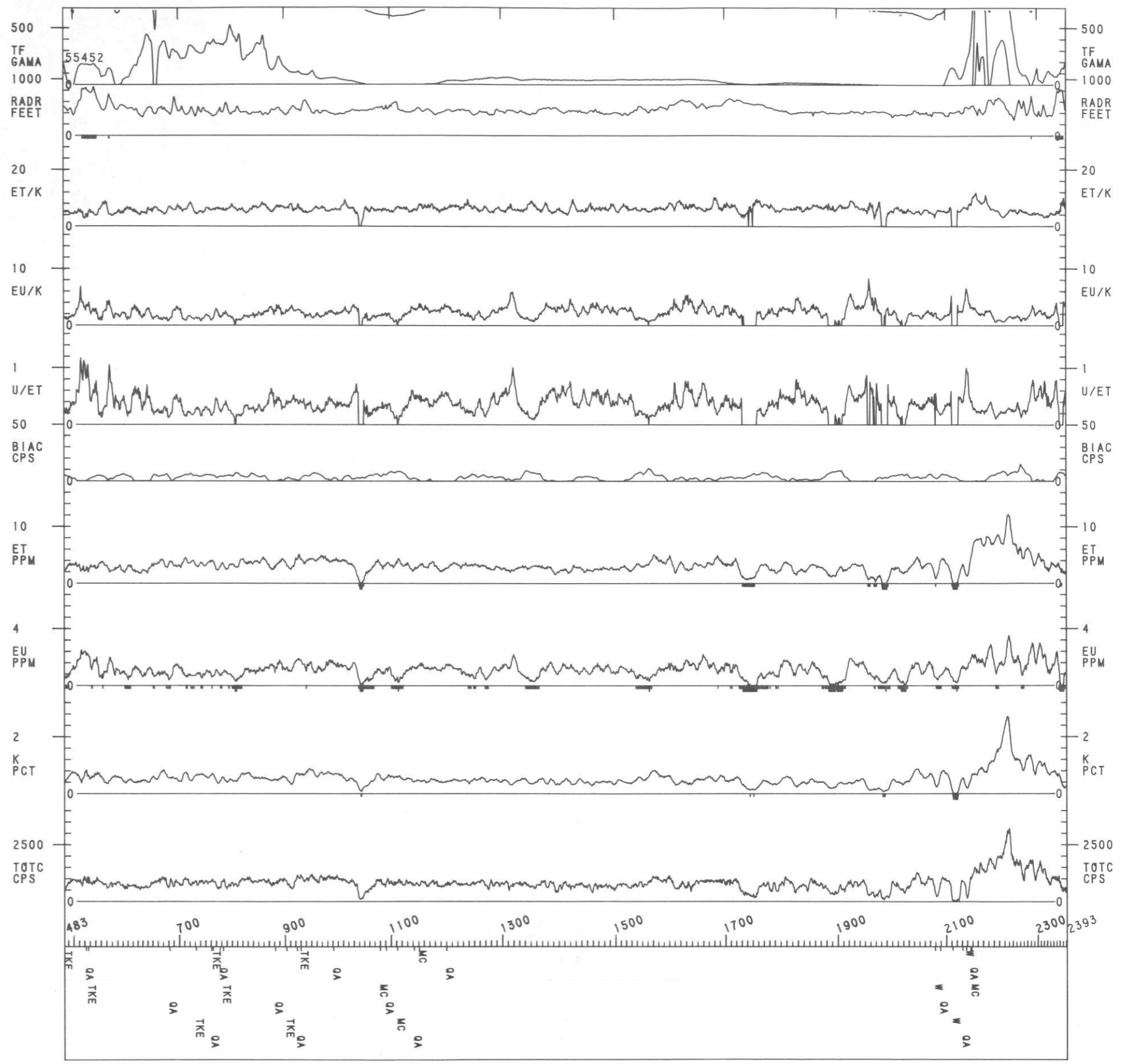


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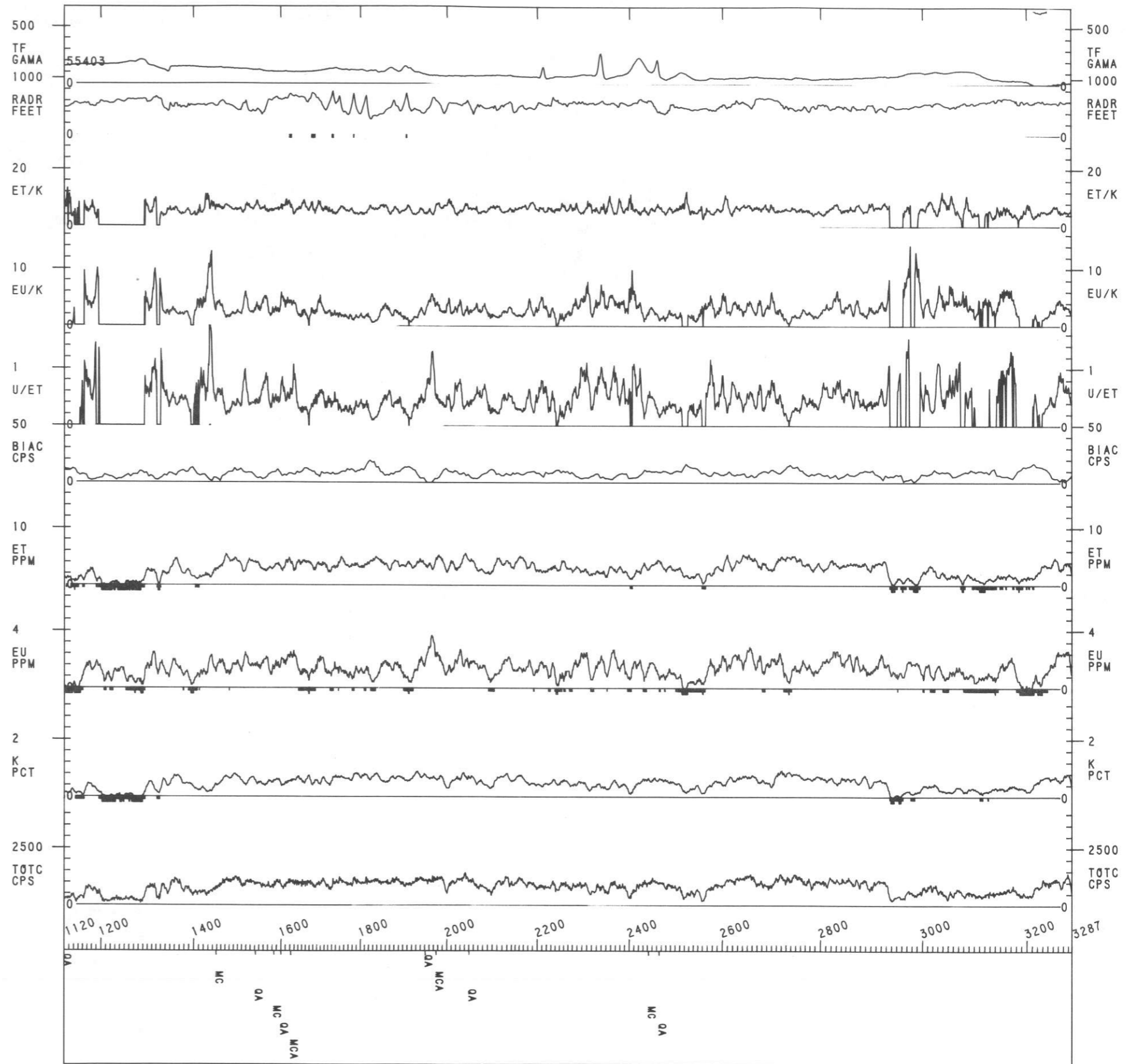
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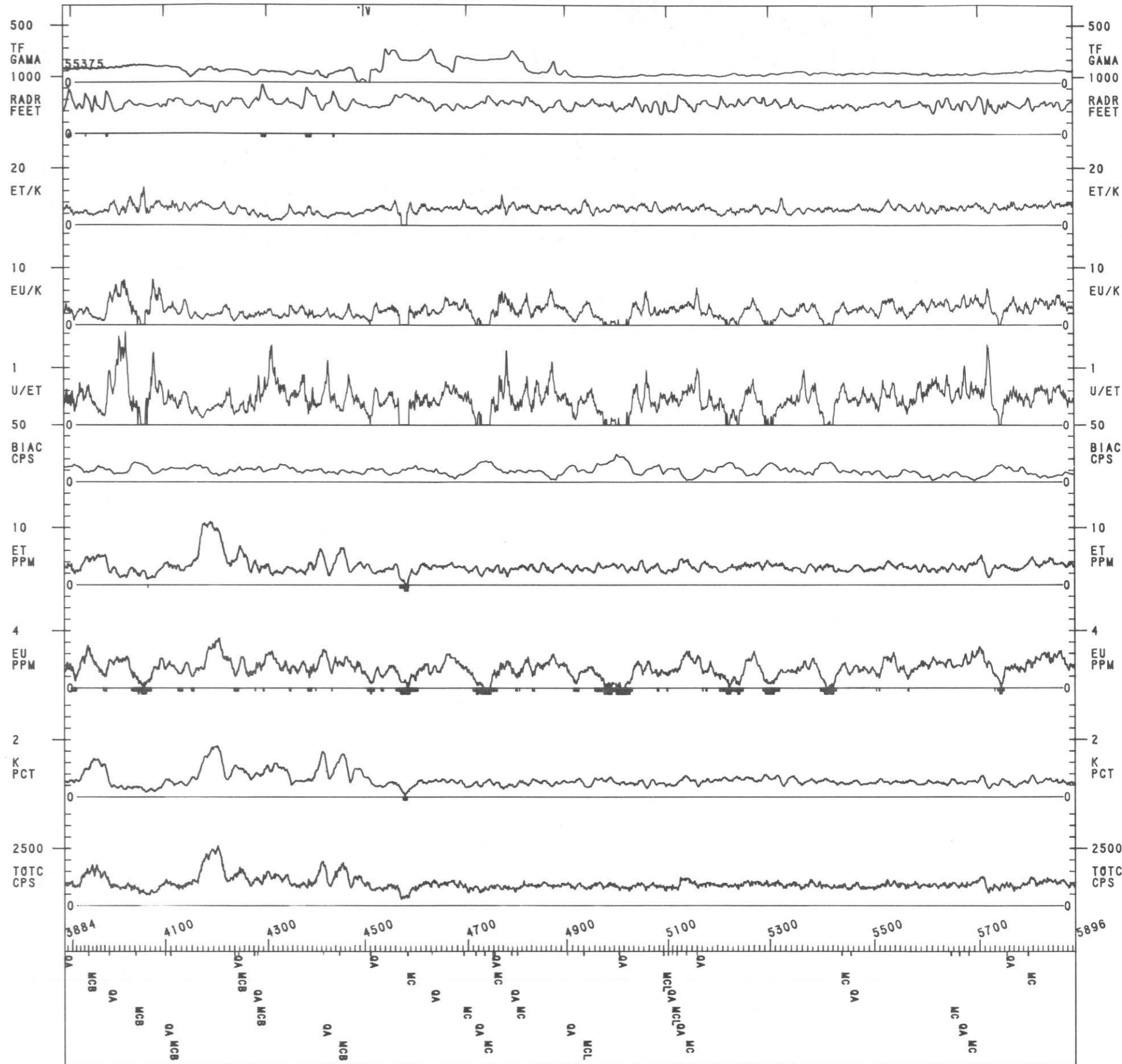
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→ 0°

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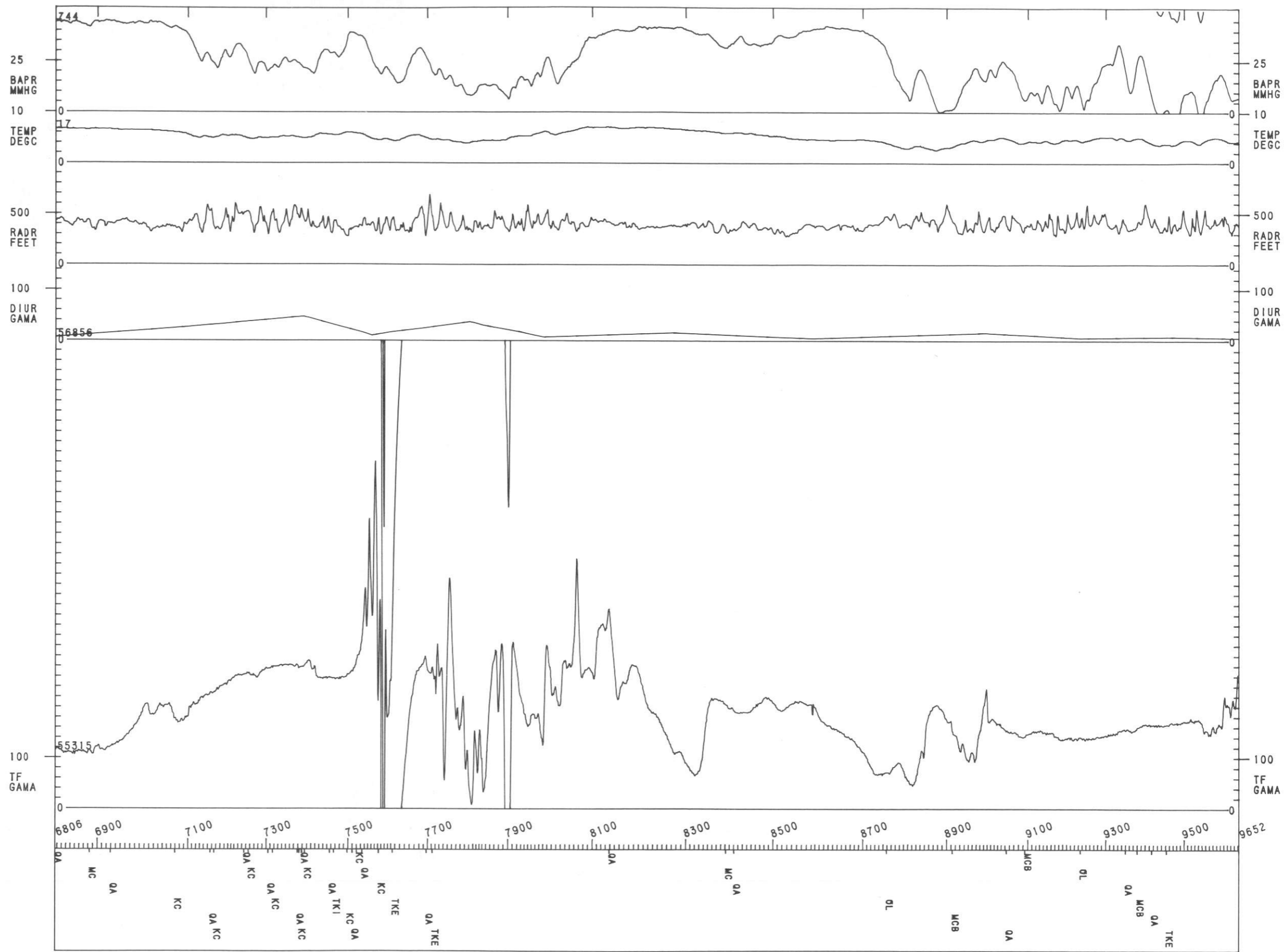


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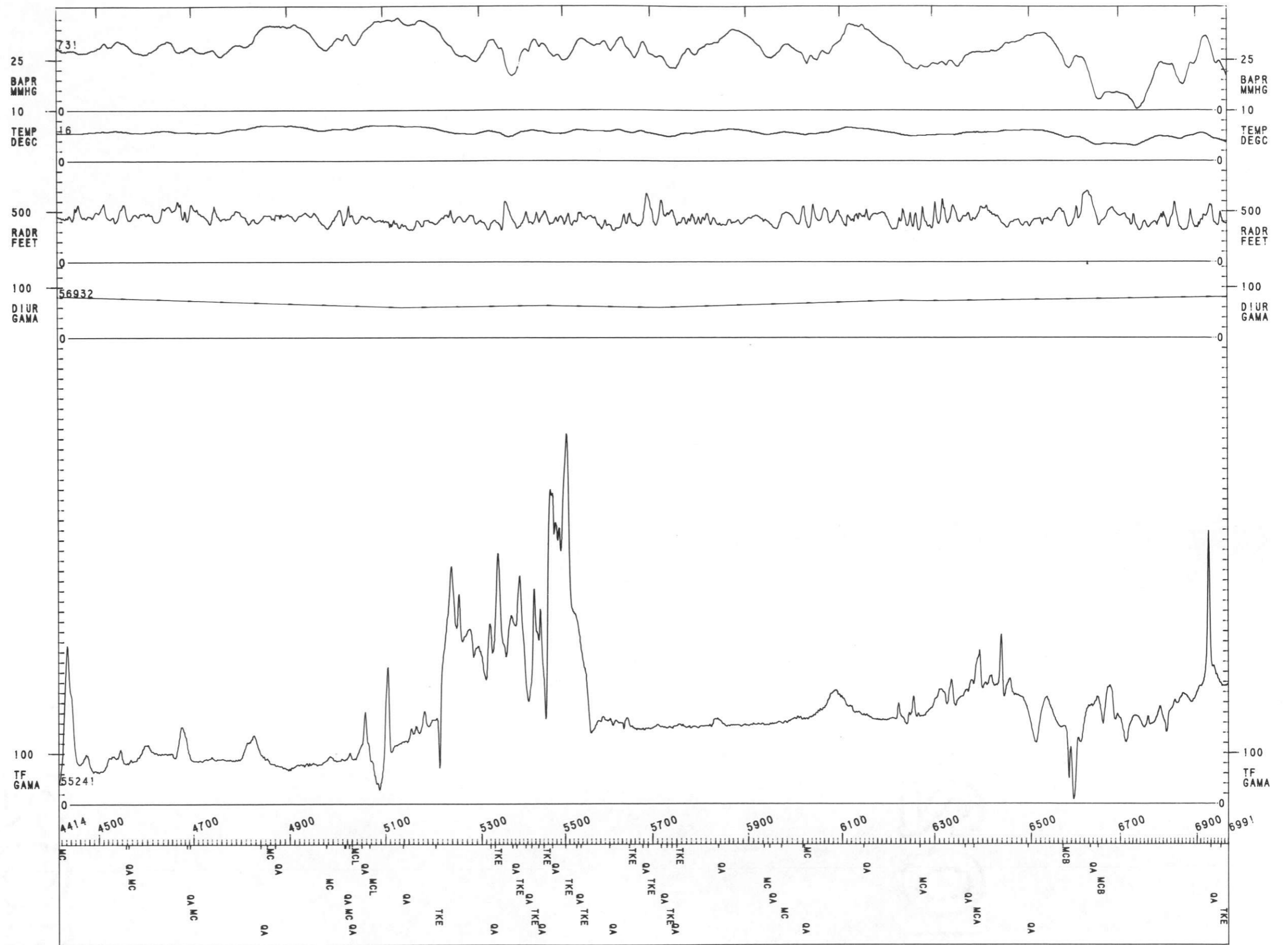


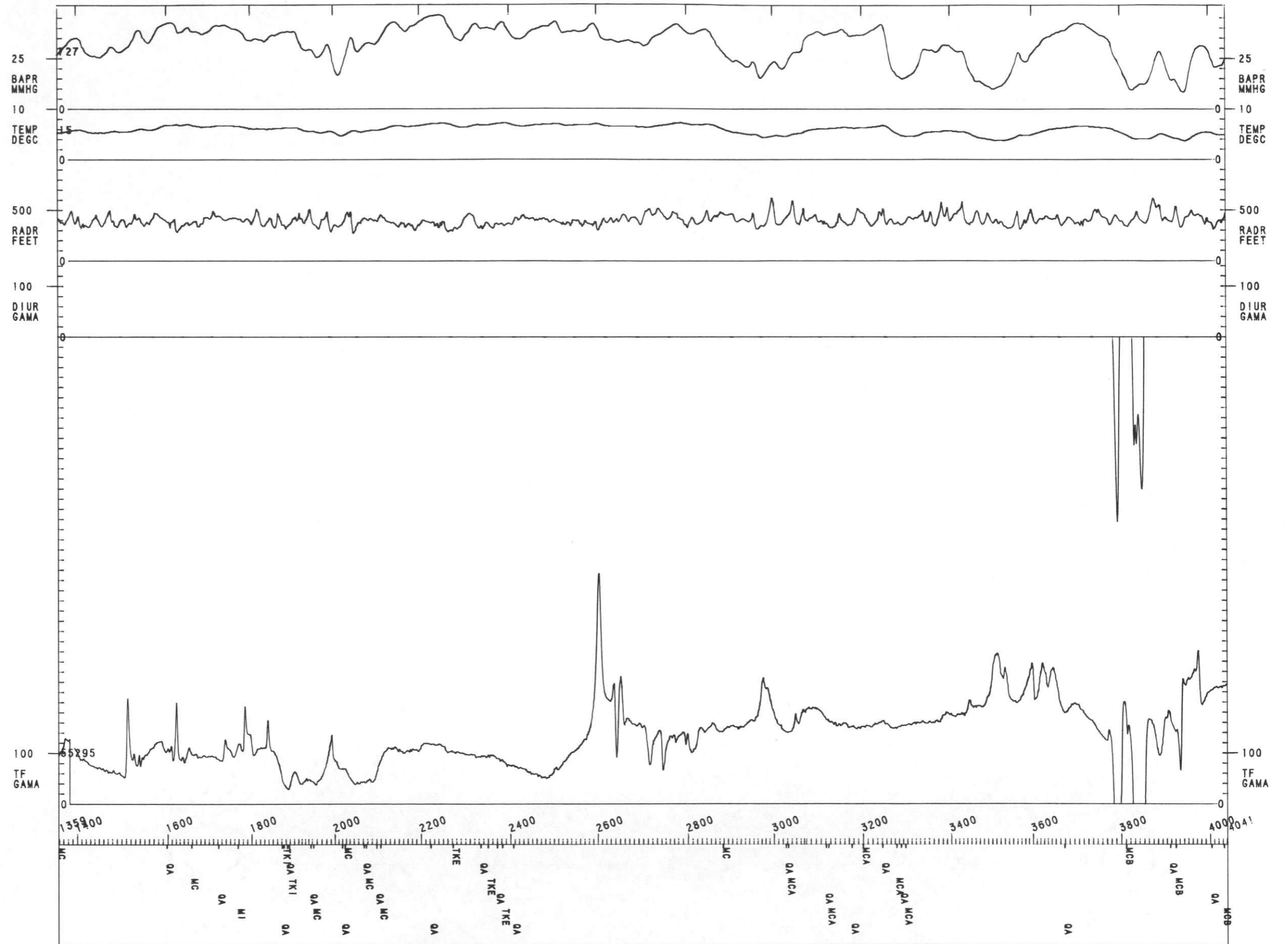
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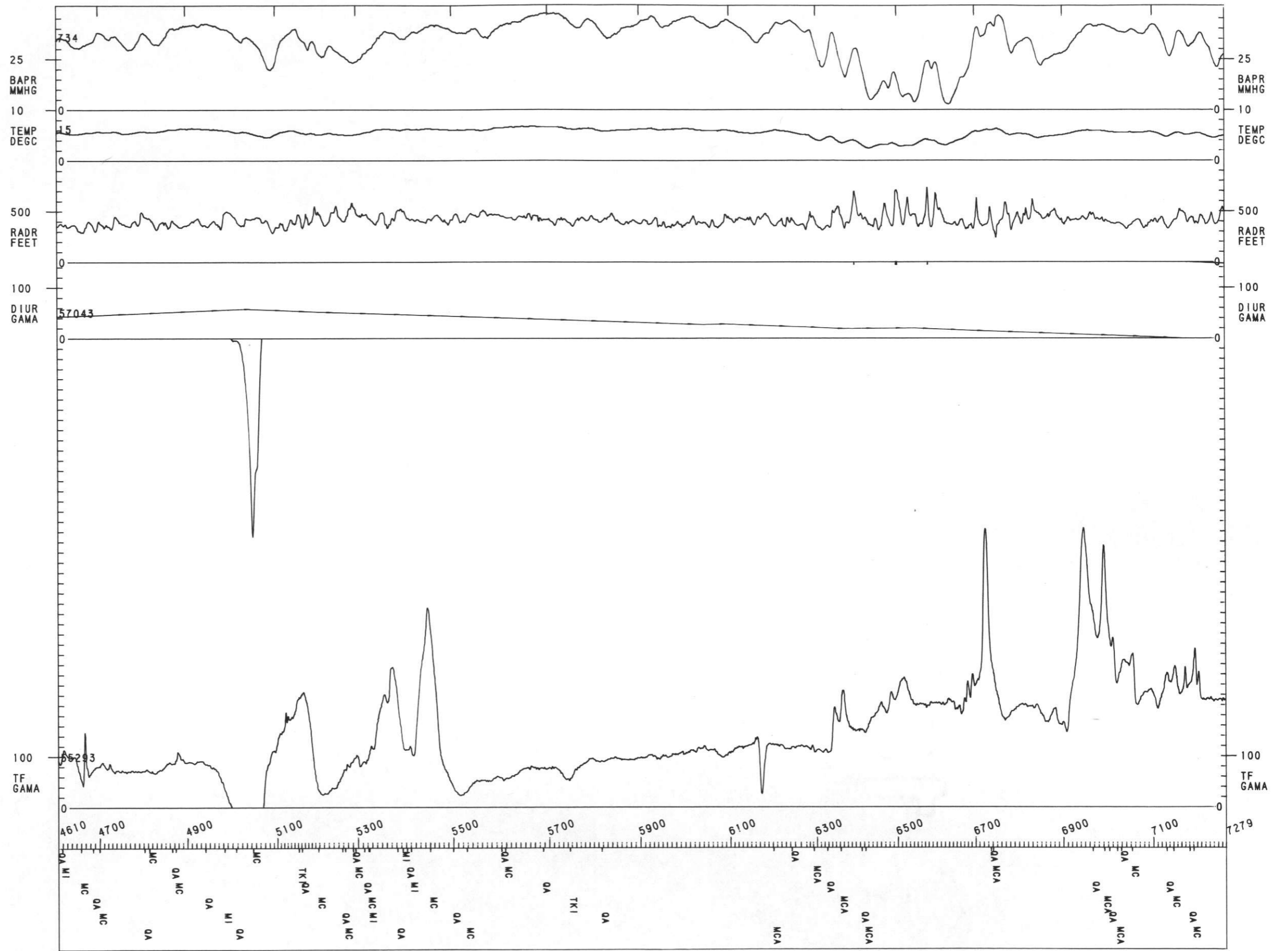




→ 90° 0 1 2 3 4 5 MILES
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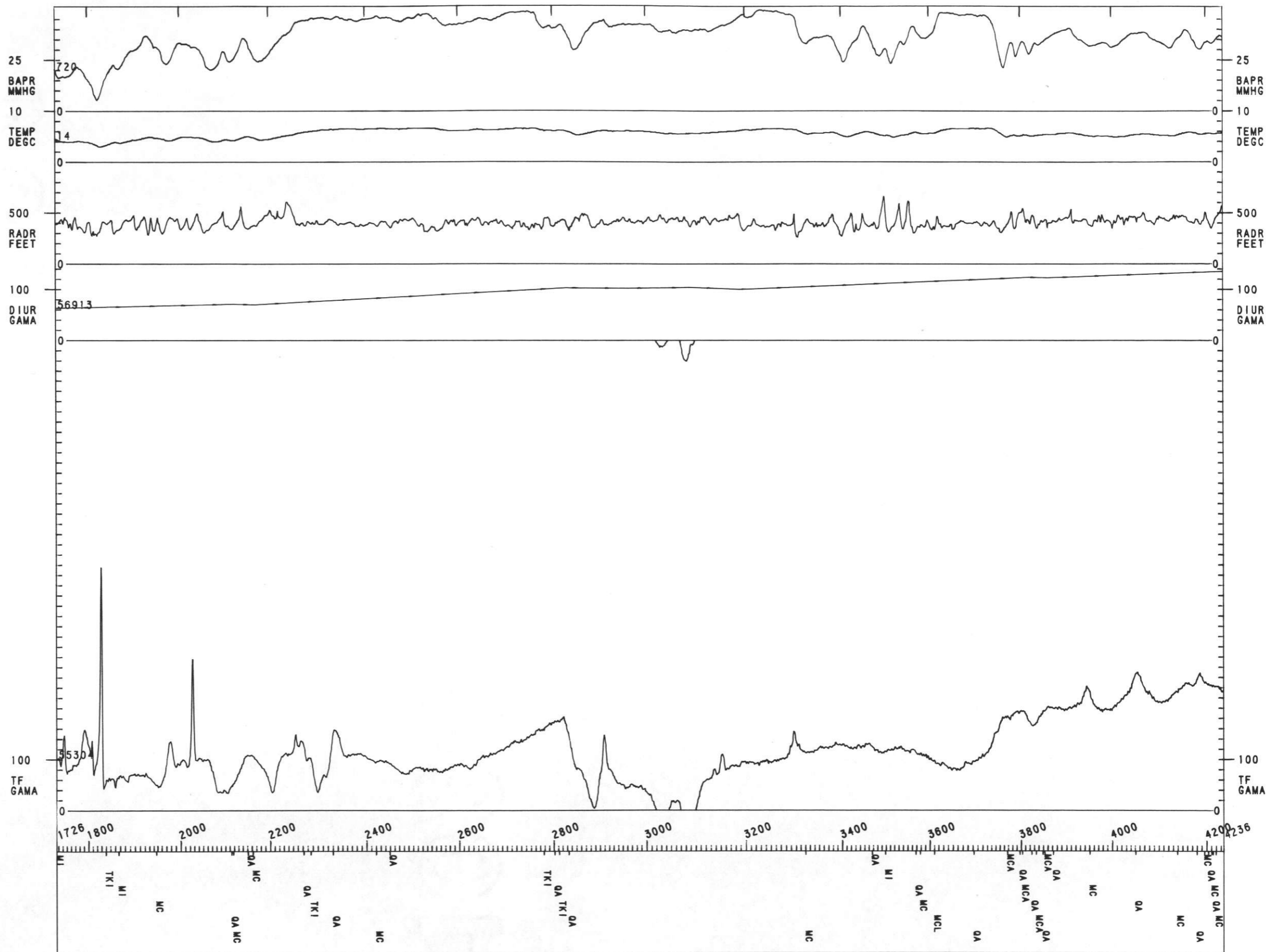


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AERO SERVICE
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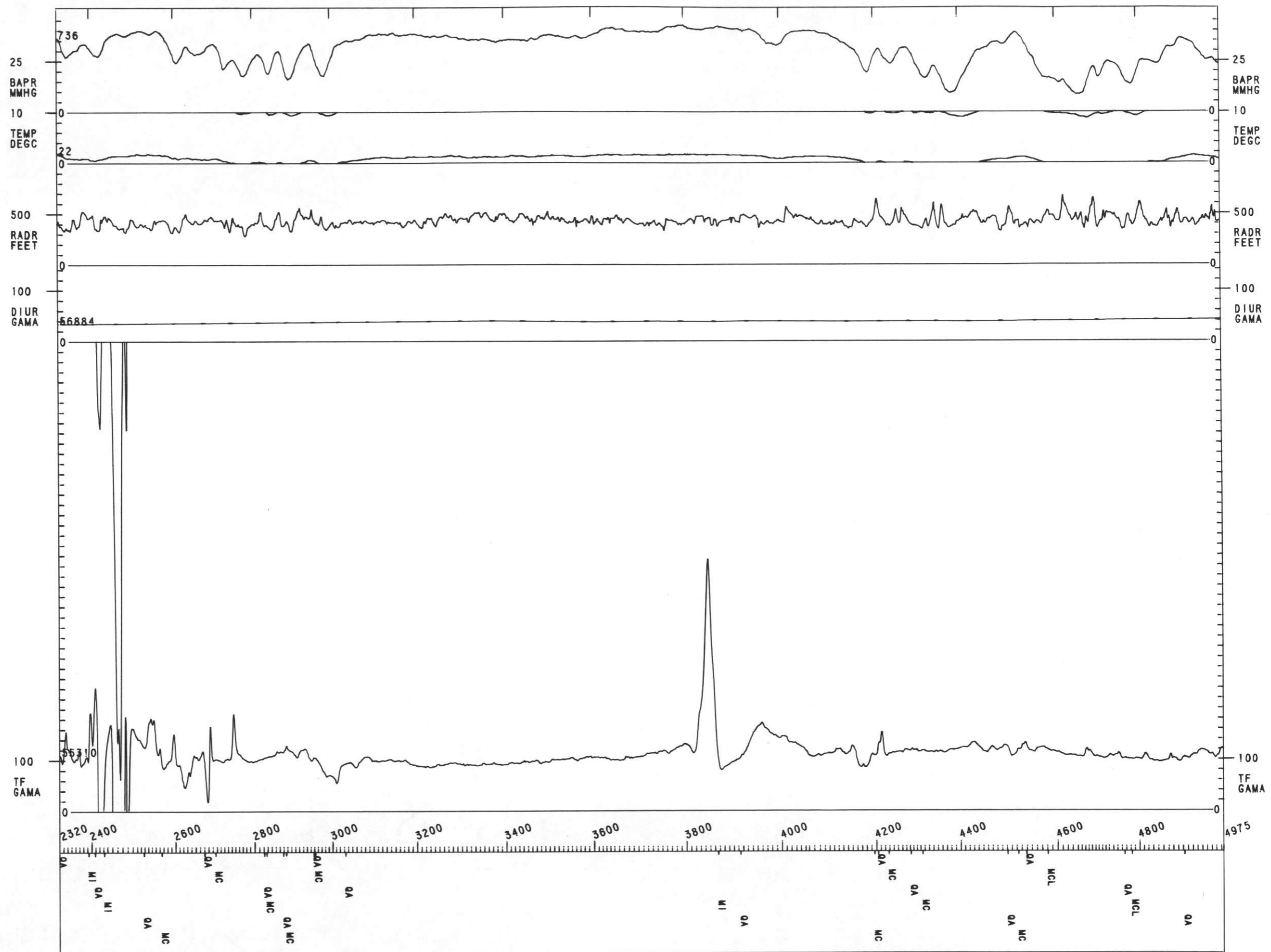


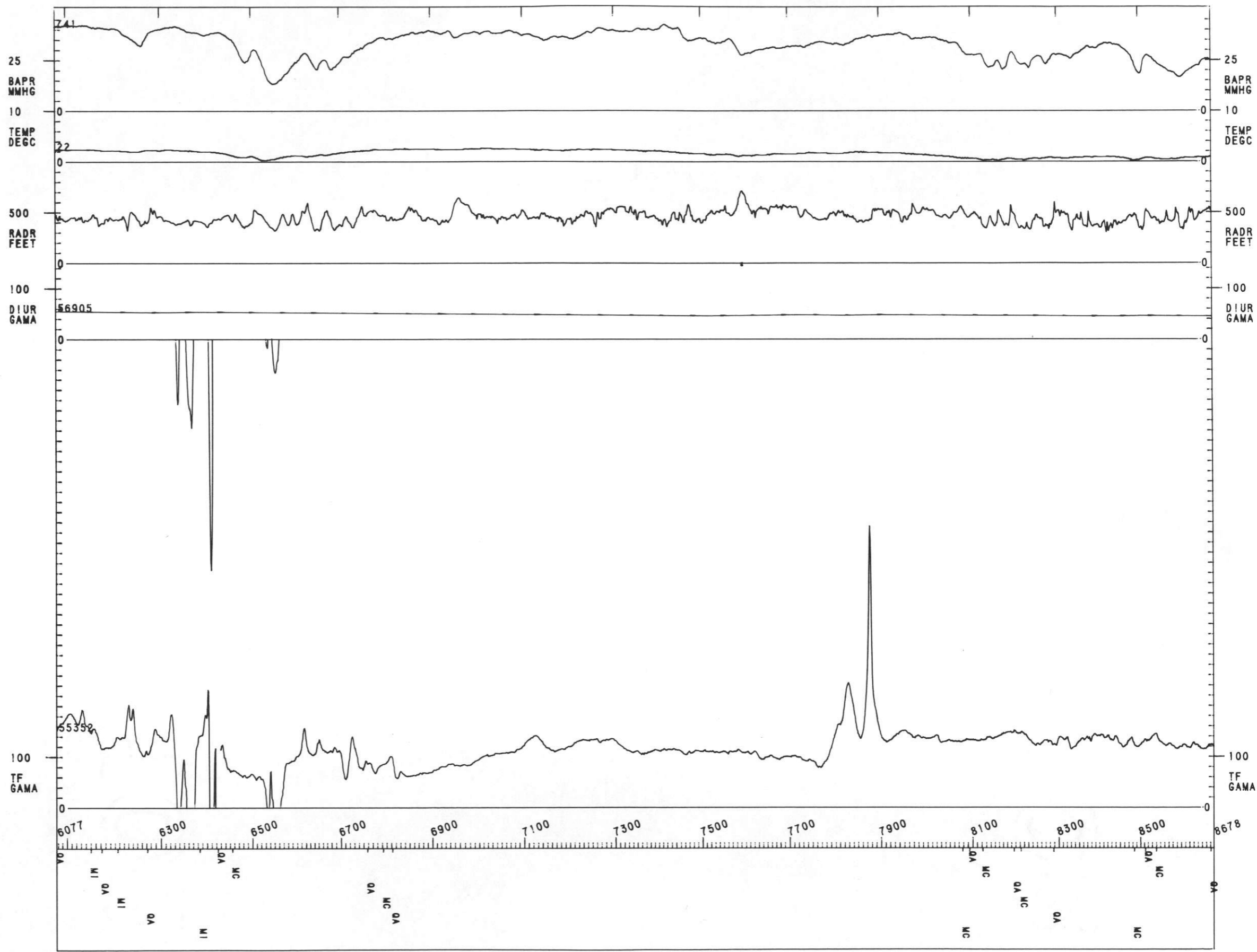
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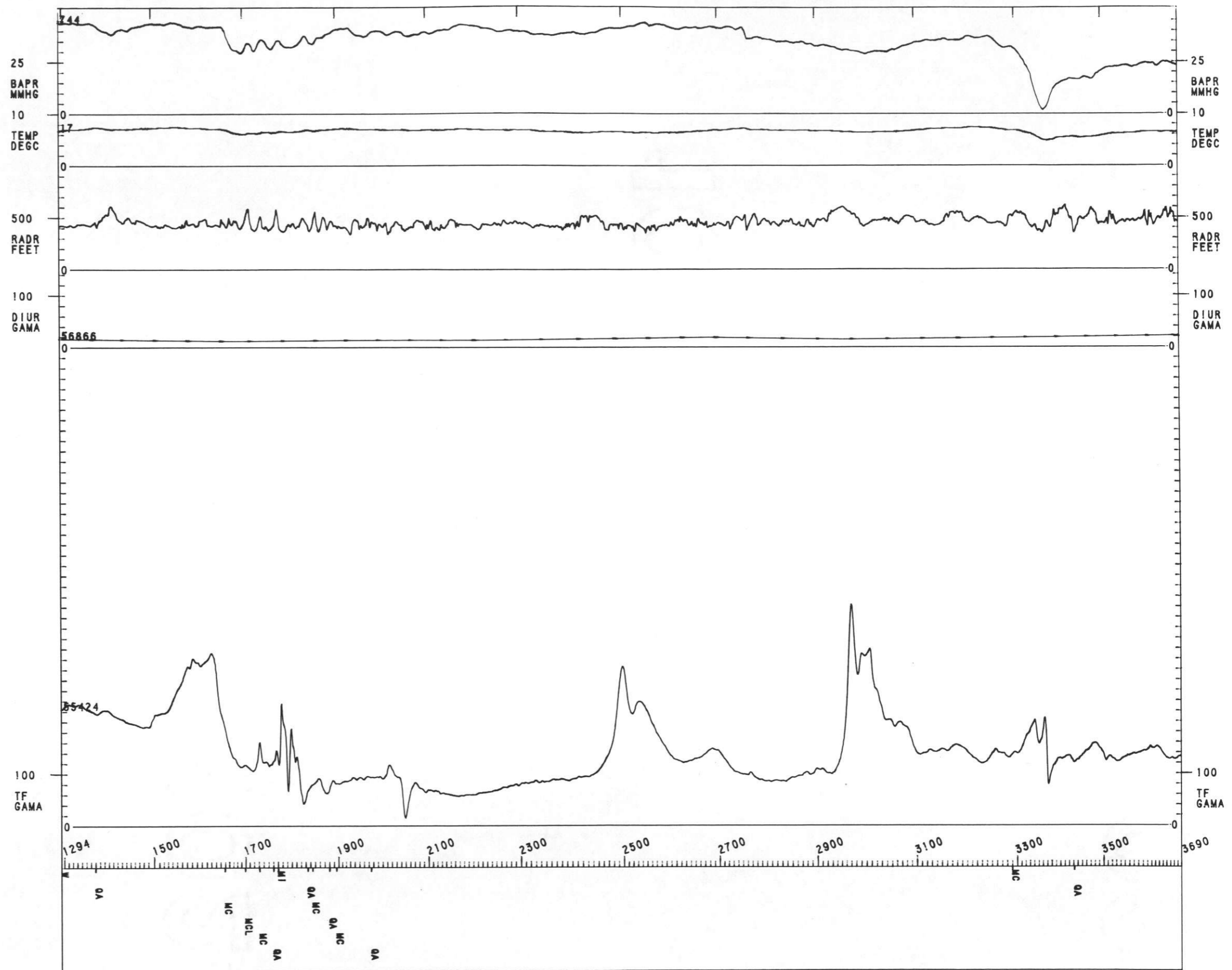
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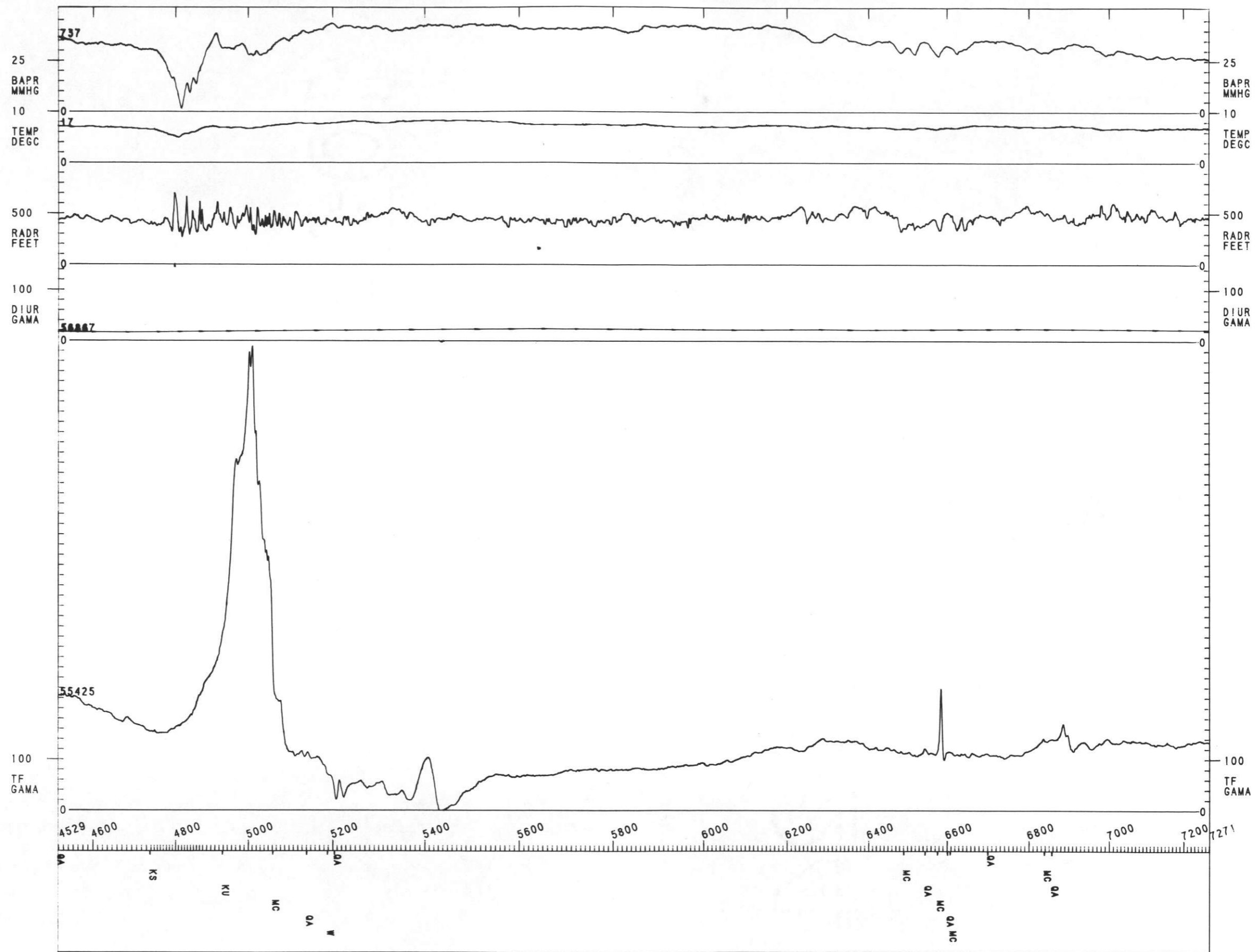
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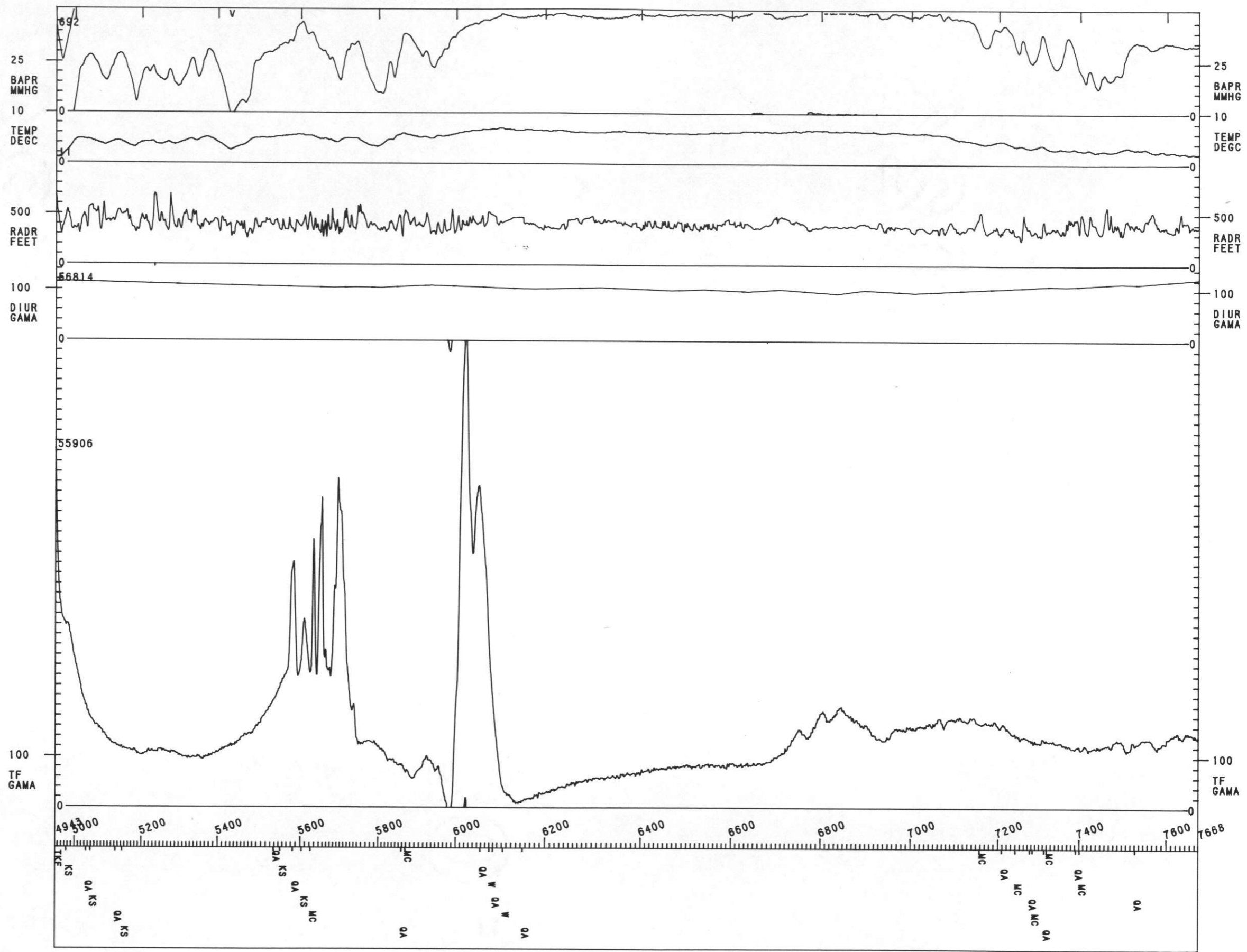




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AERO SERVICE
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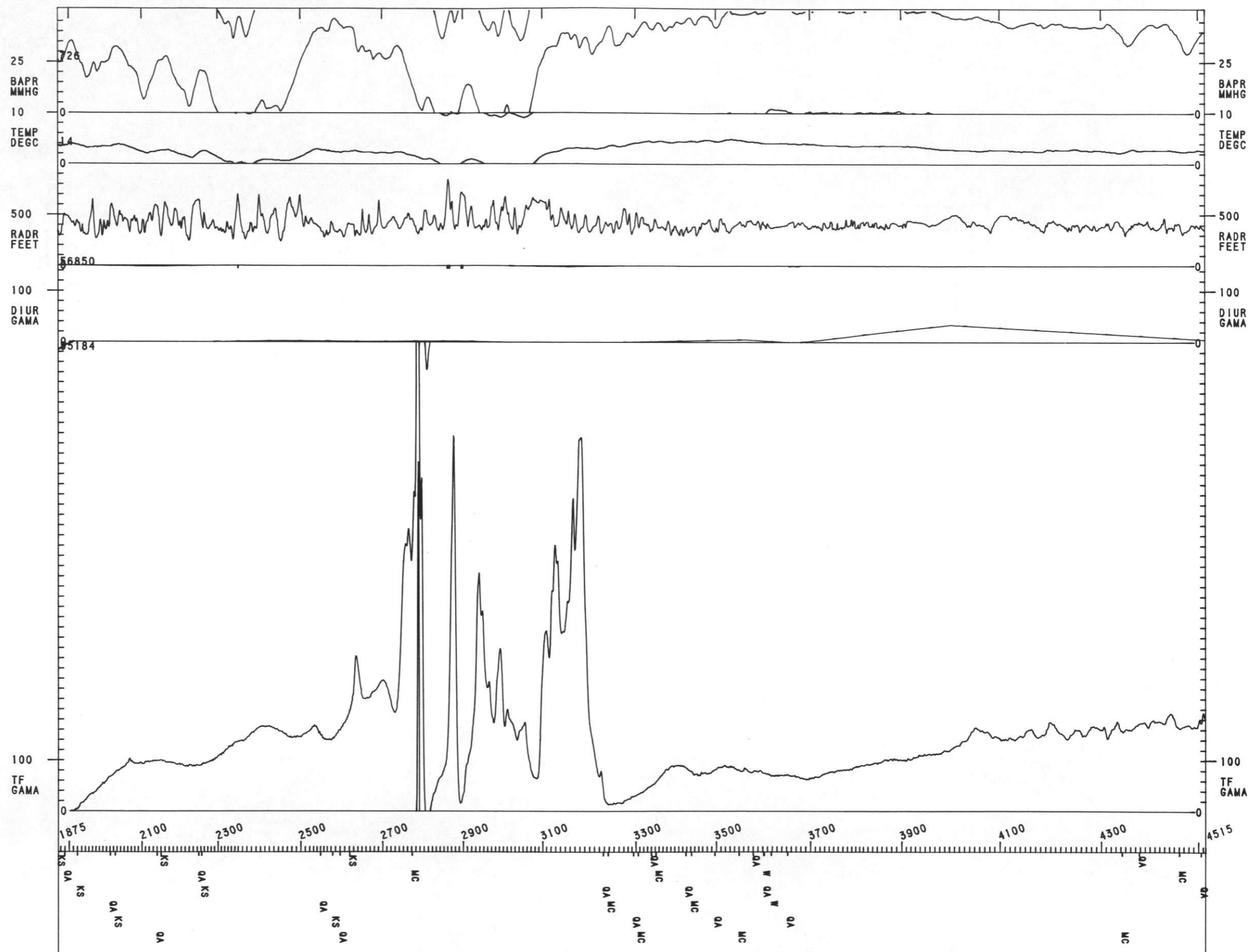


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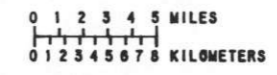
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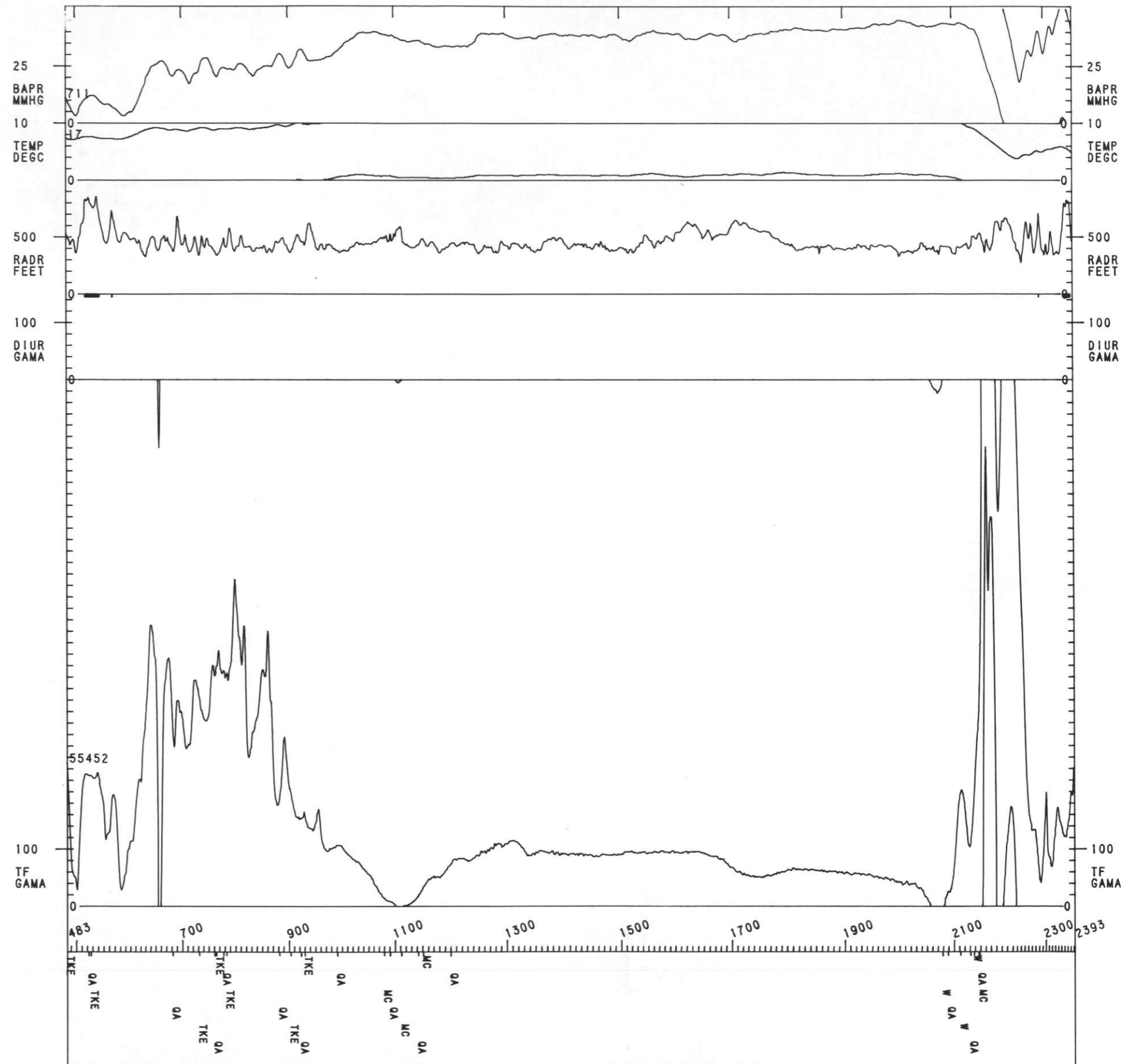
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90°



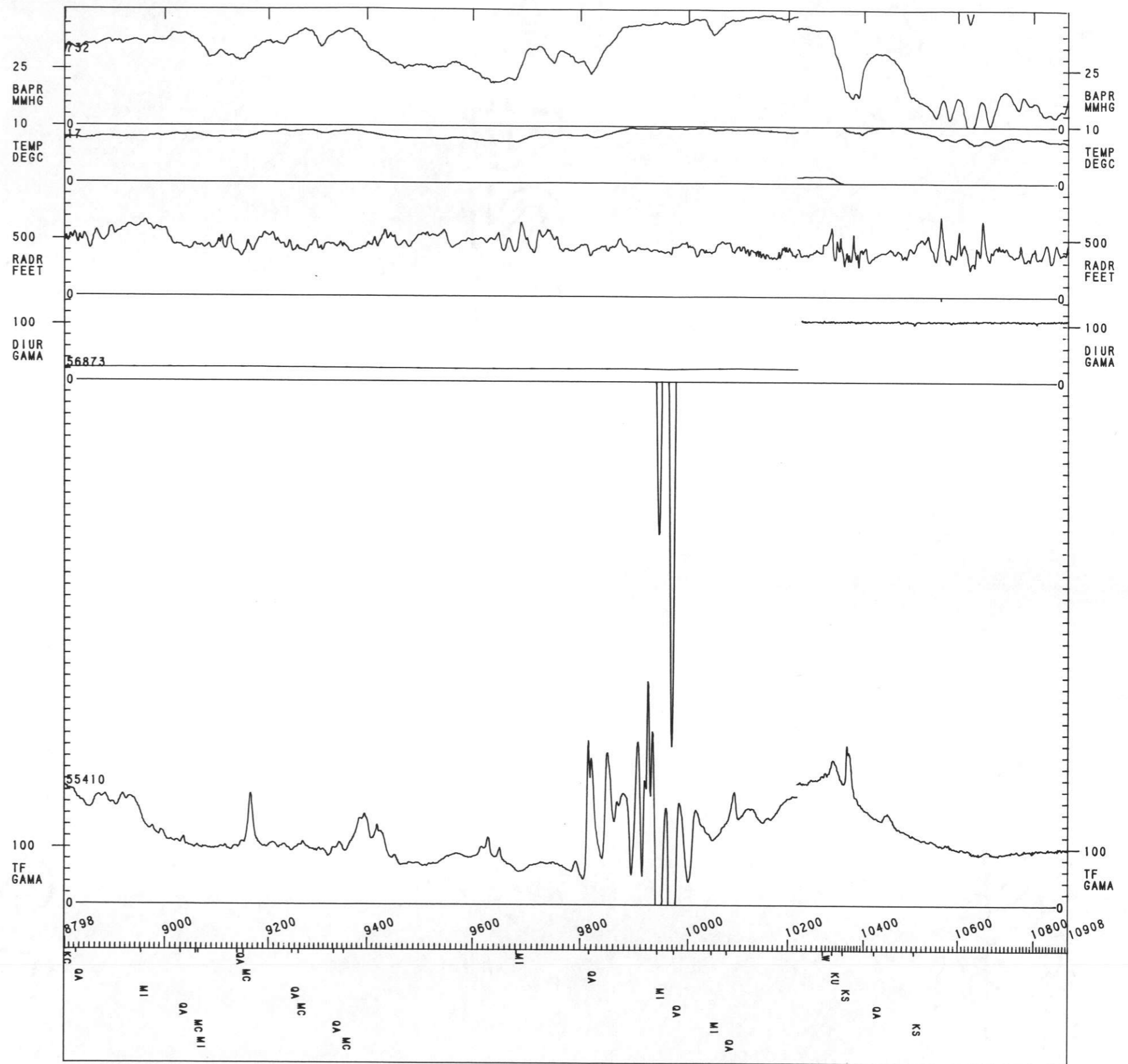
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DOE/NURE
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AERO SERVICE
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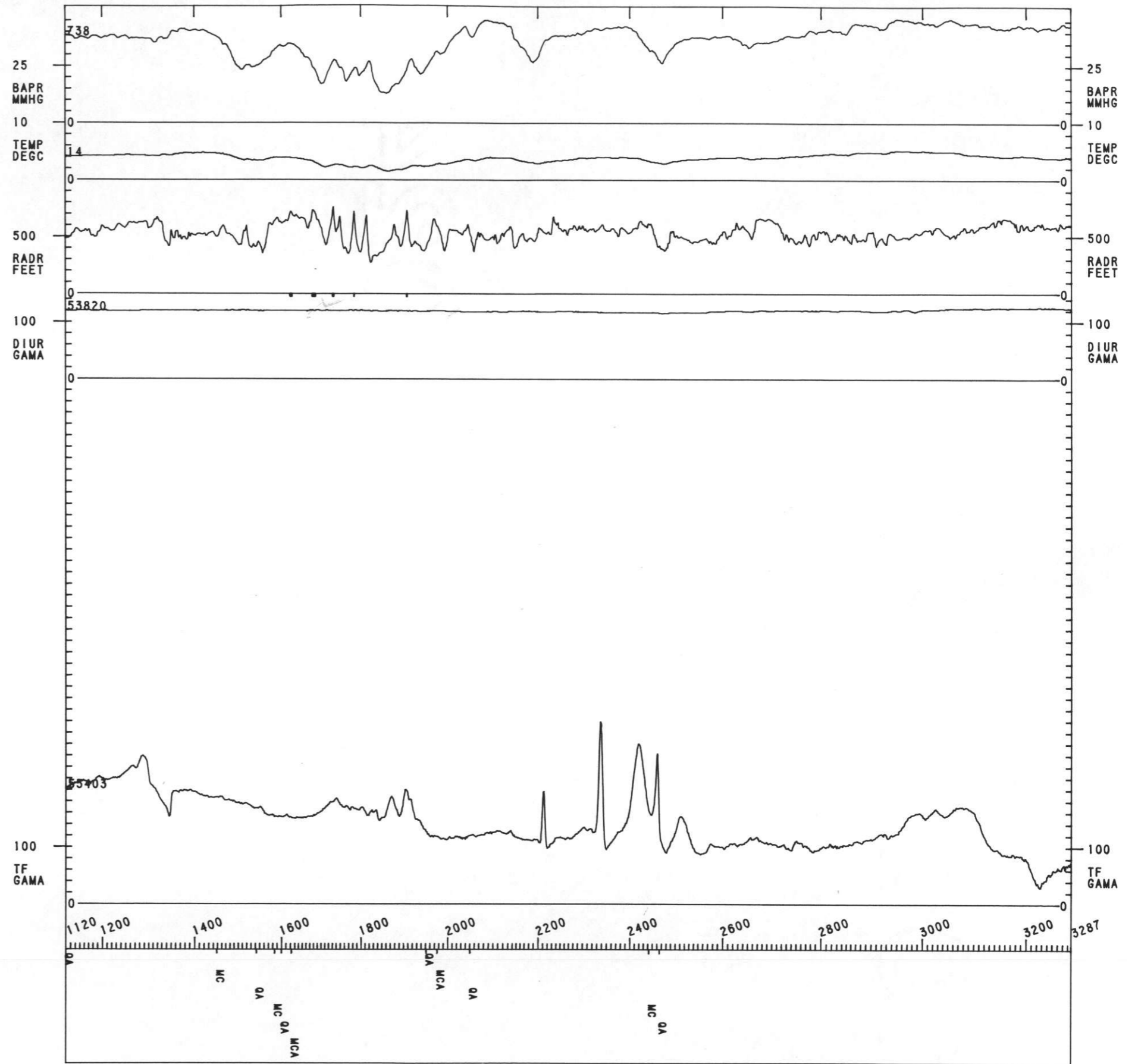


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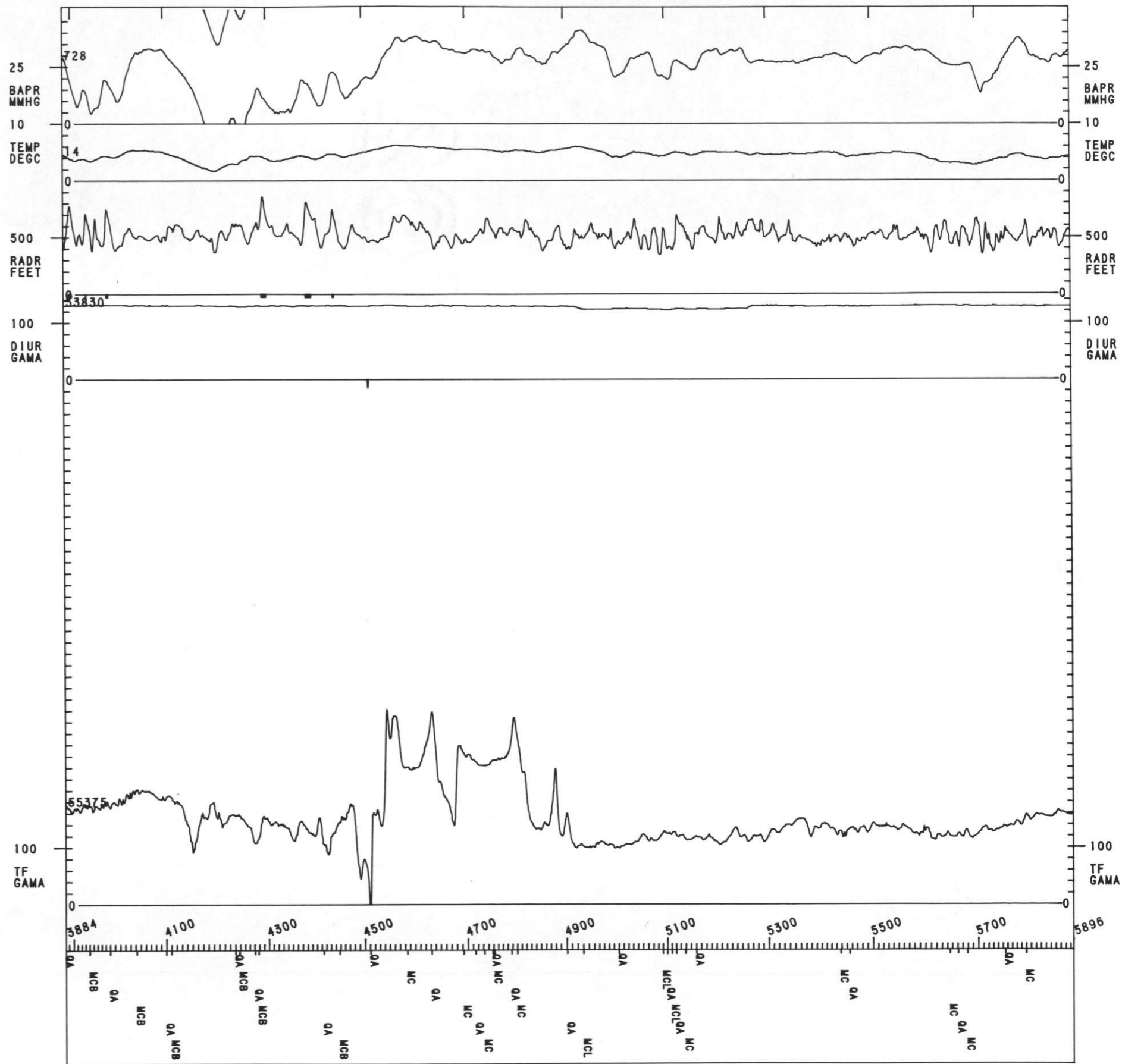


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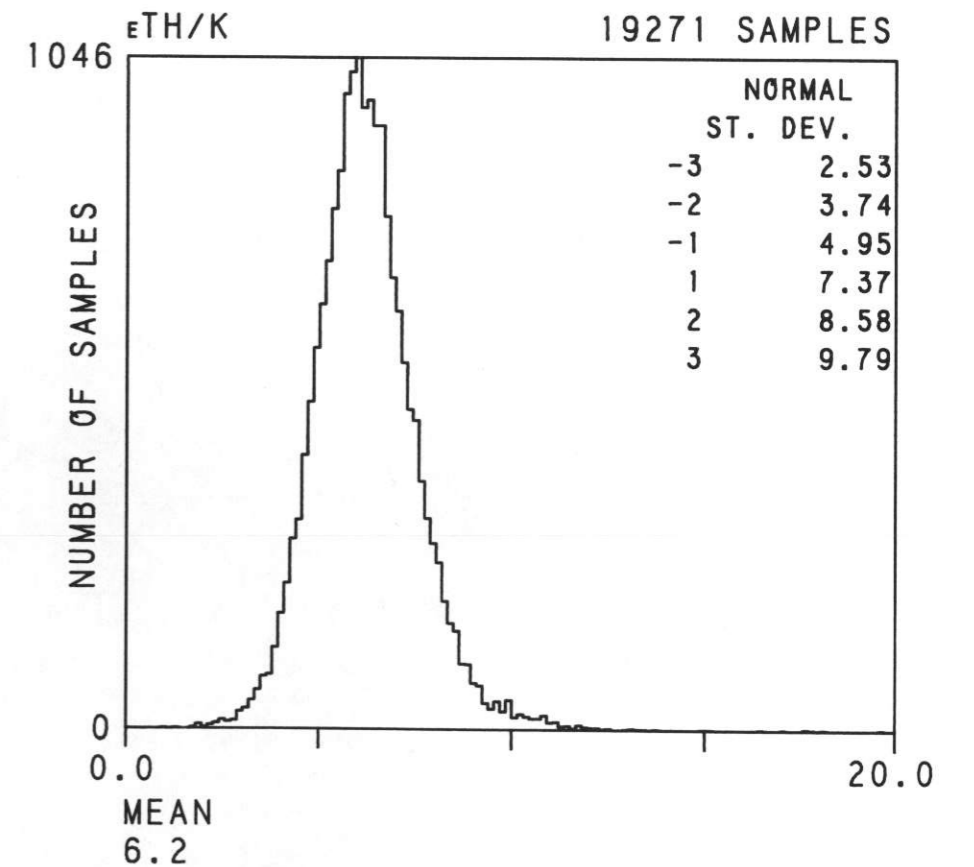
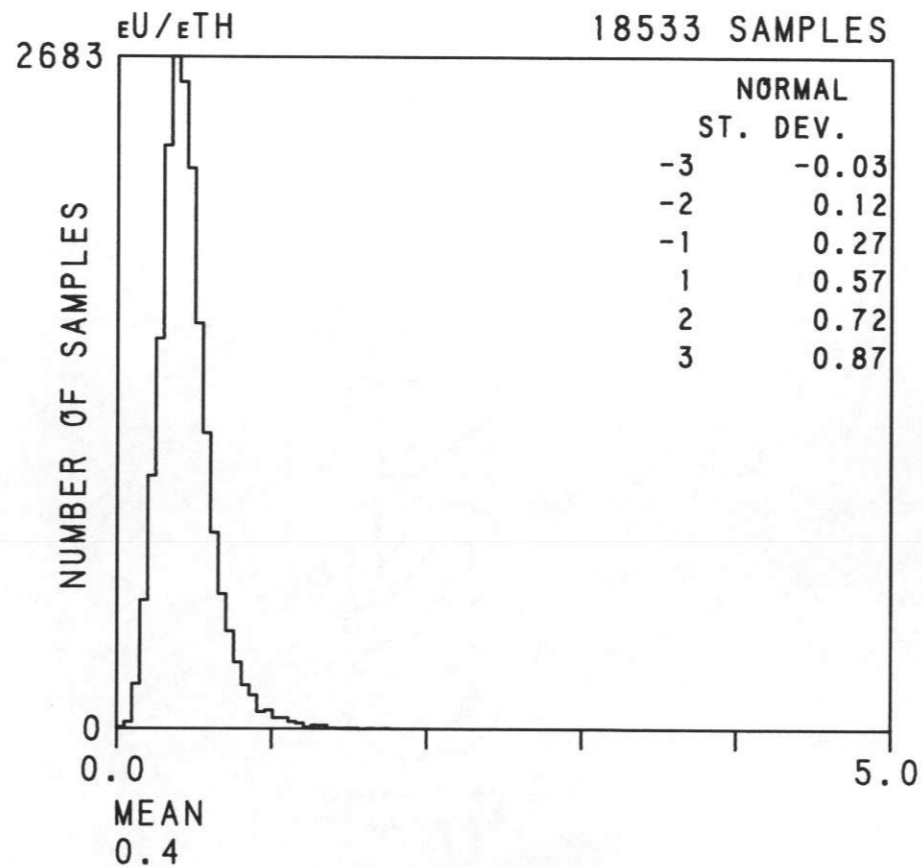
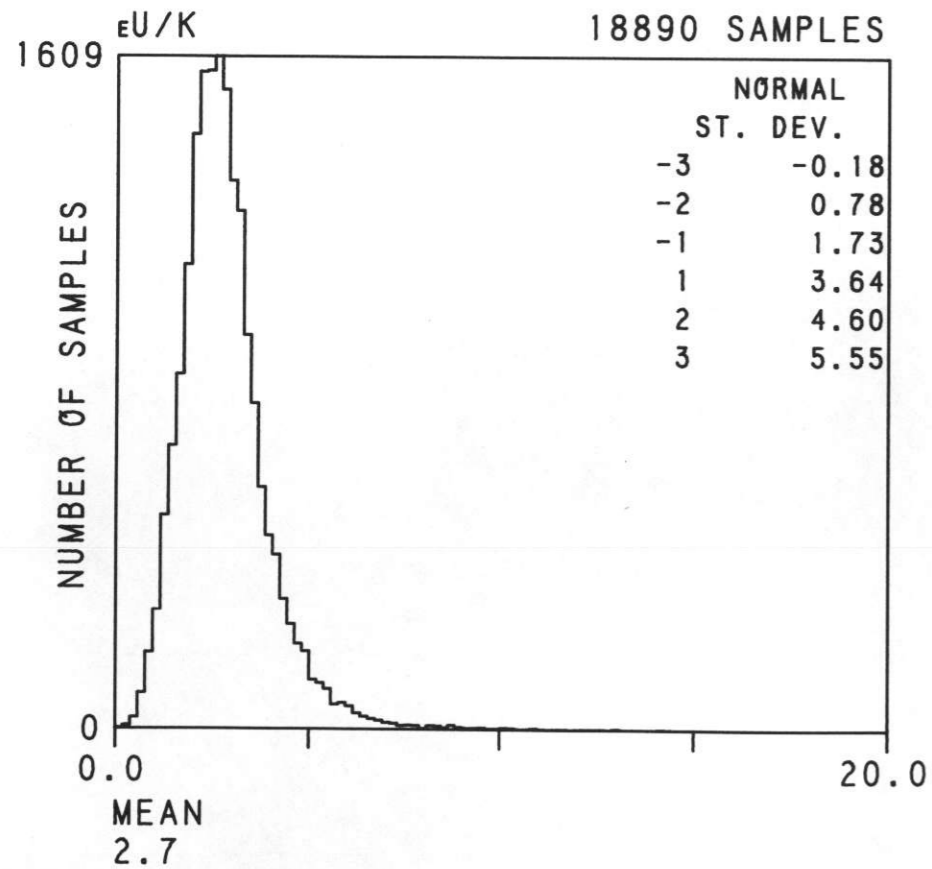
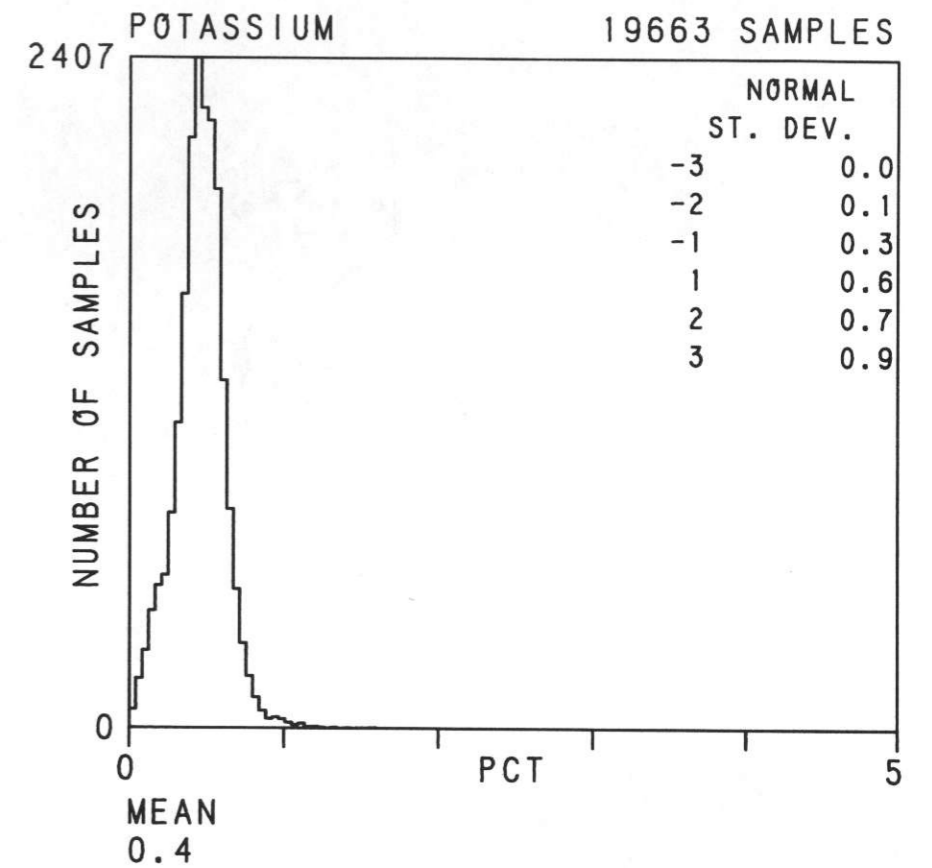
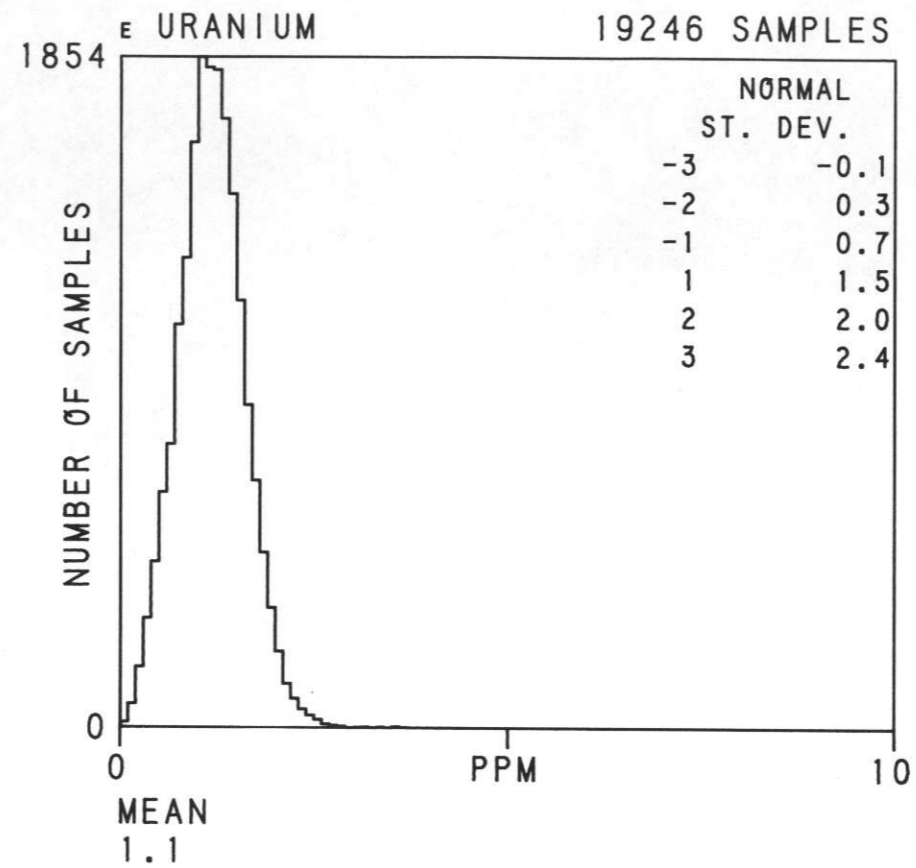
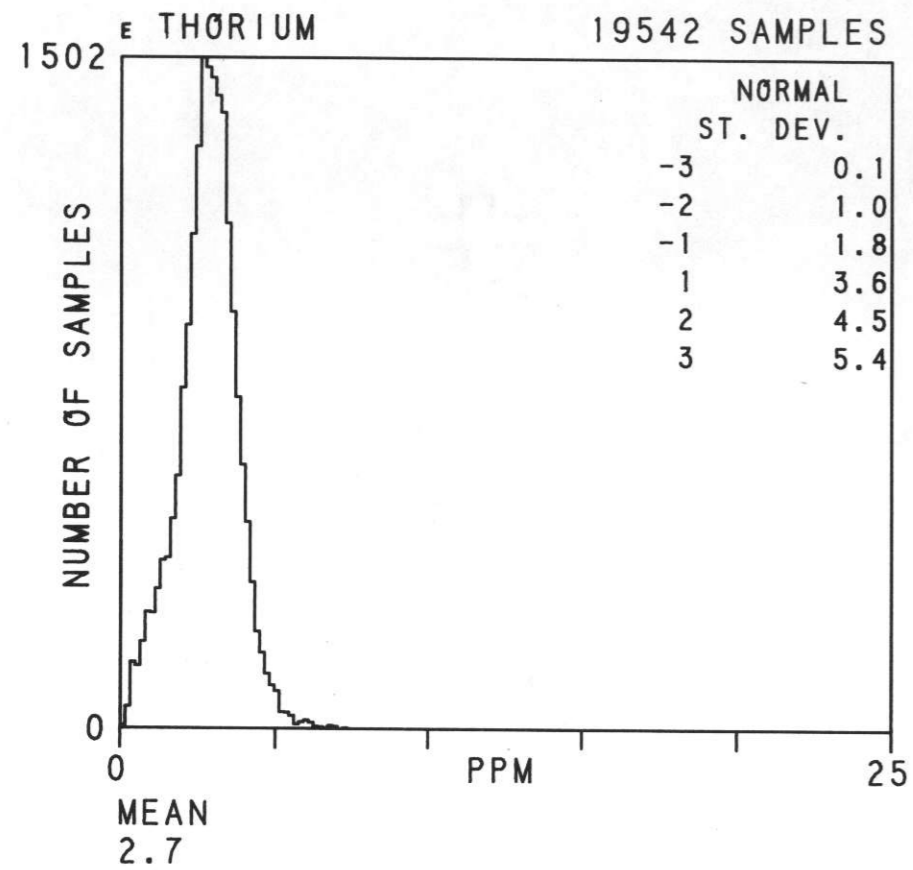
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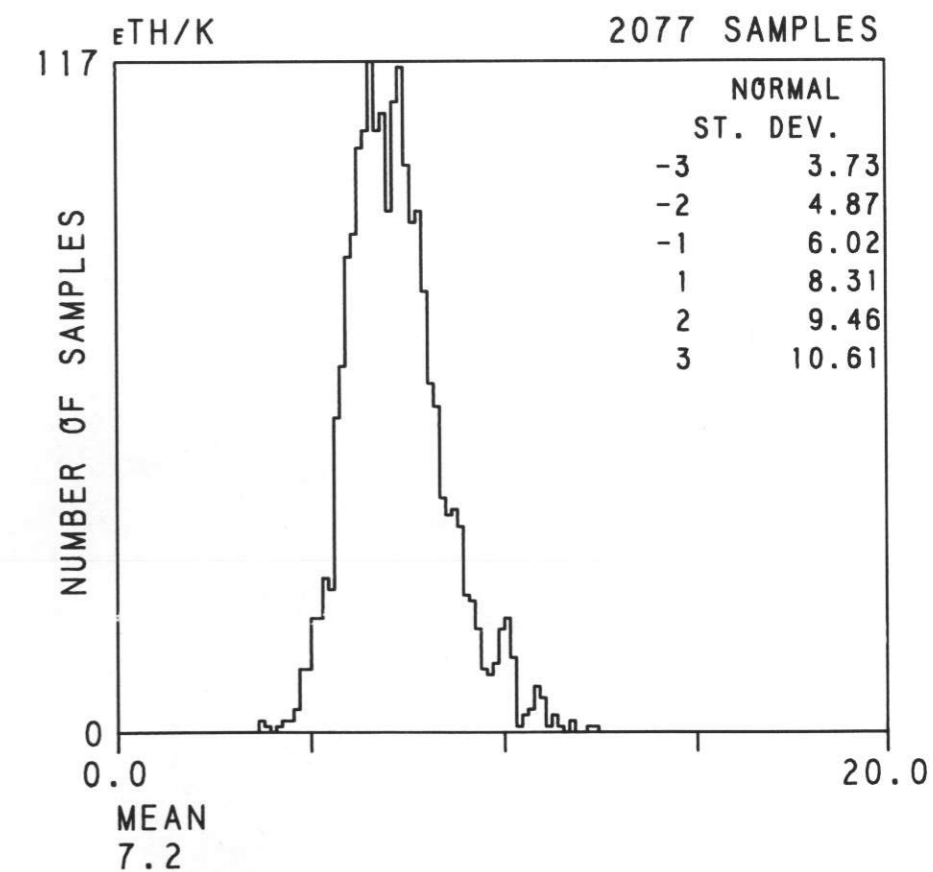
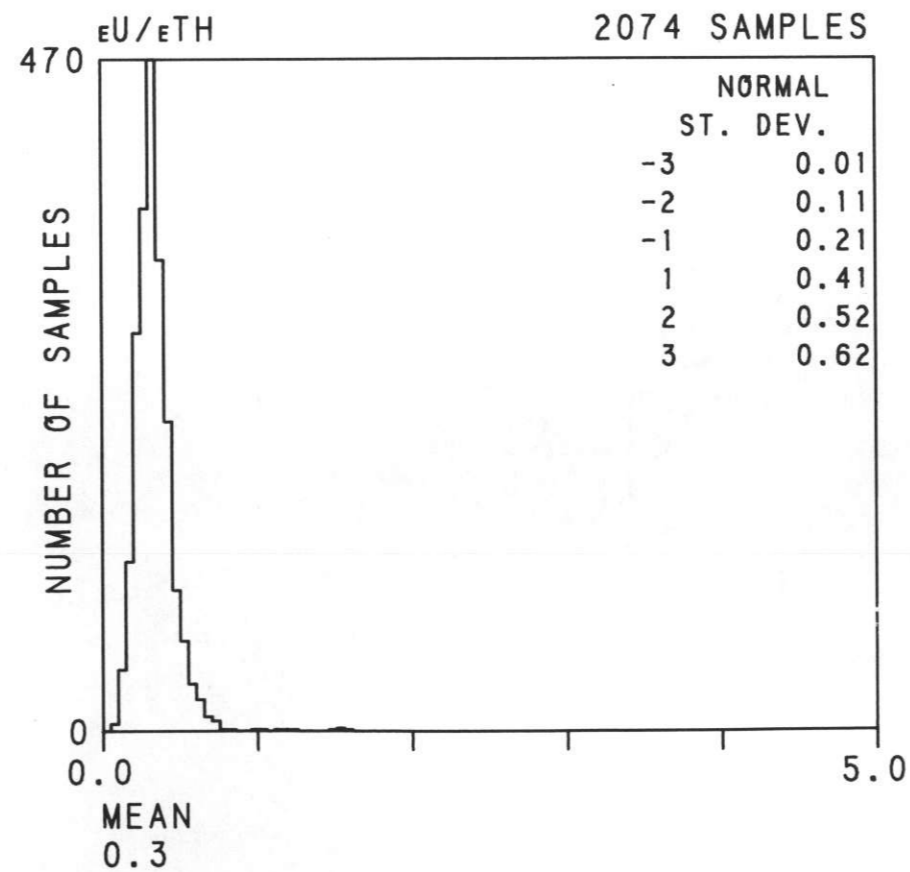
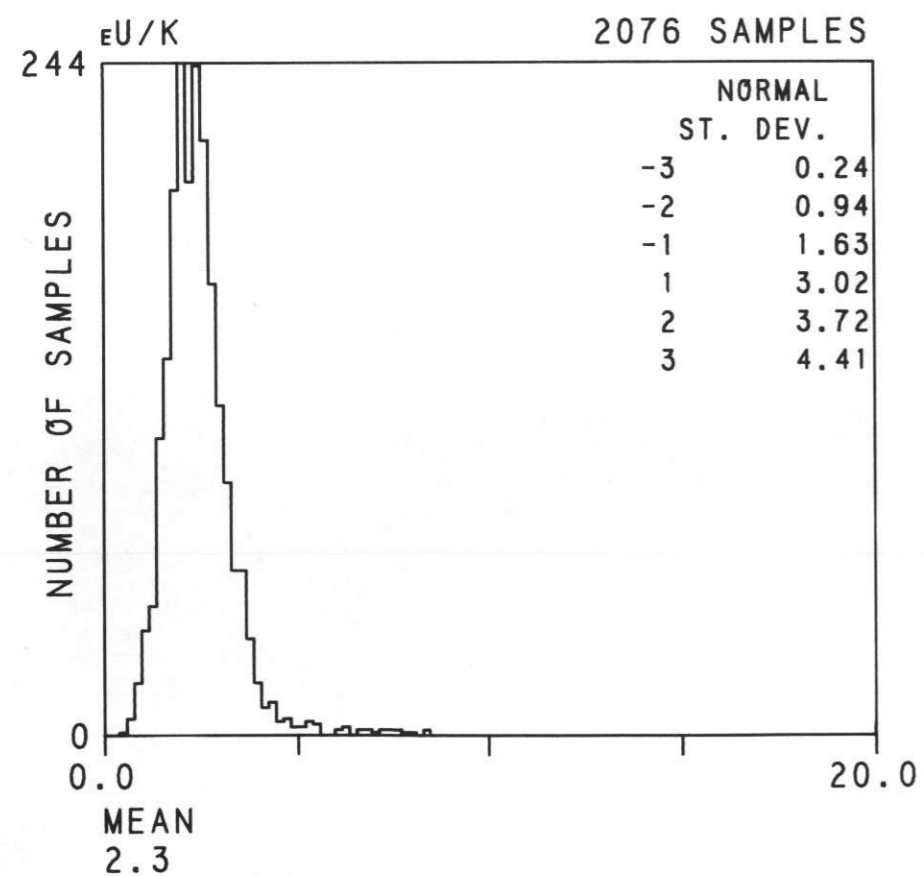
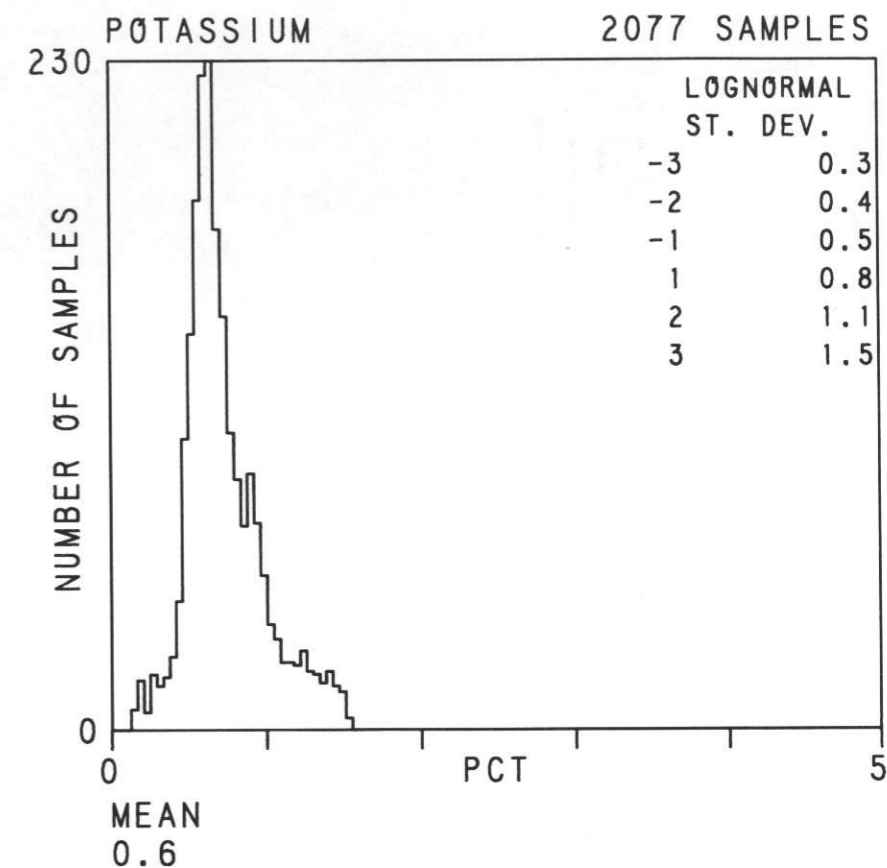
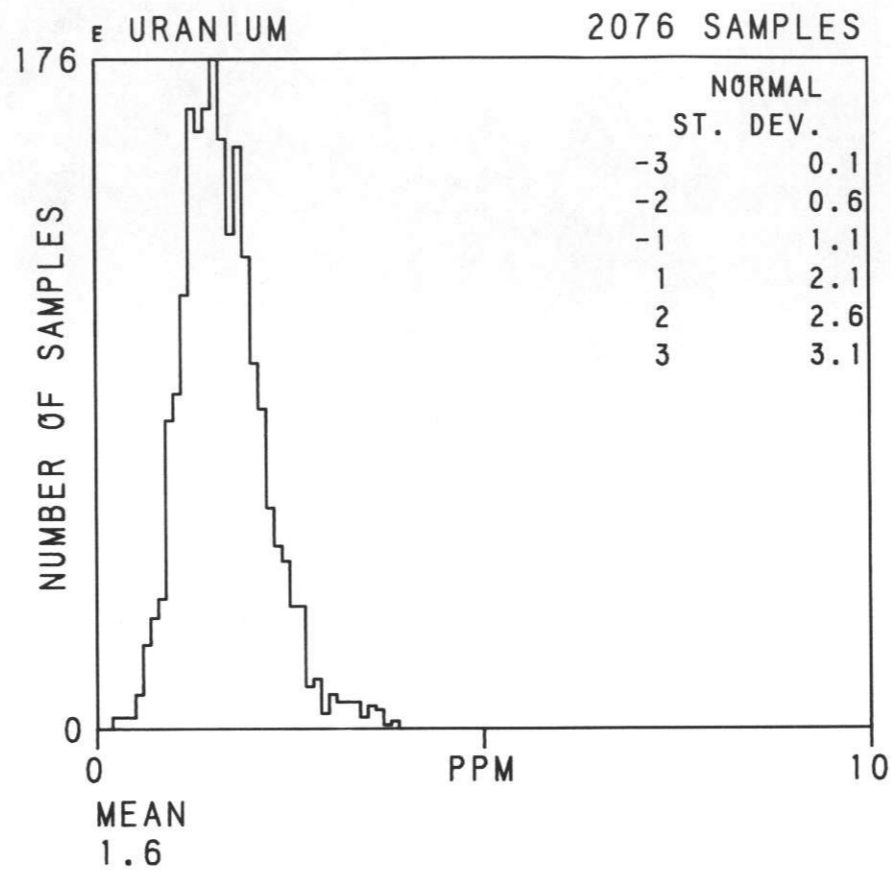
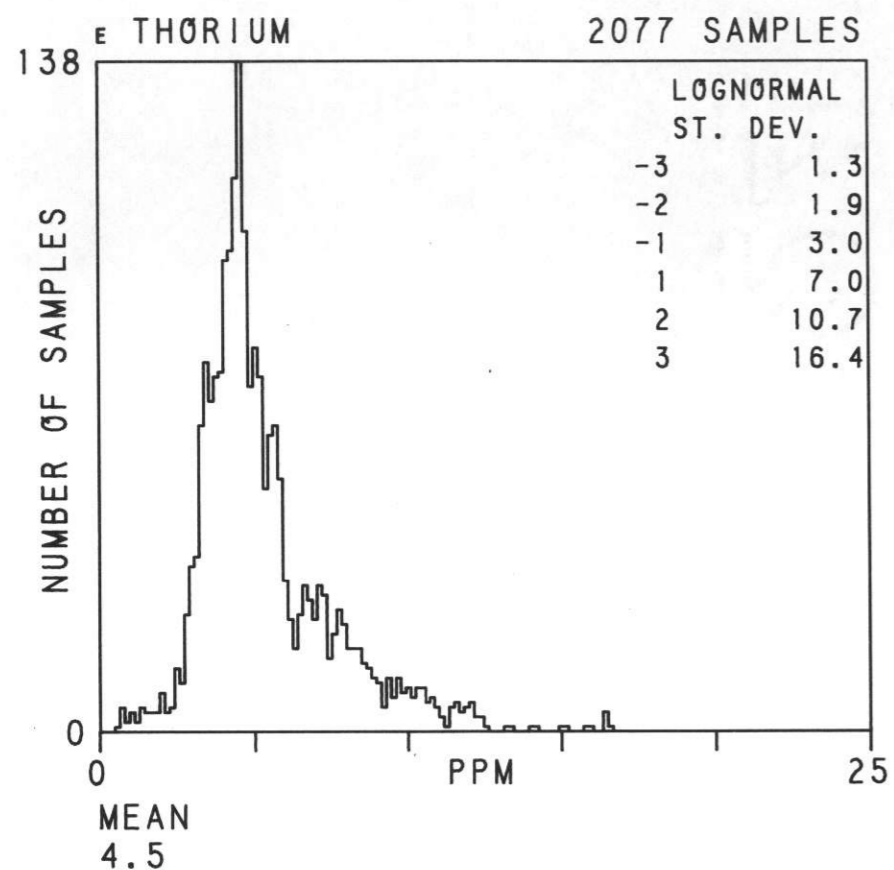


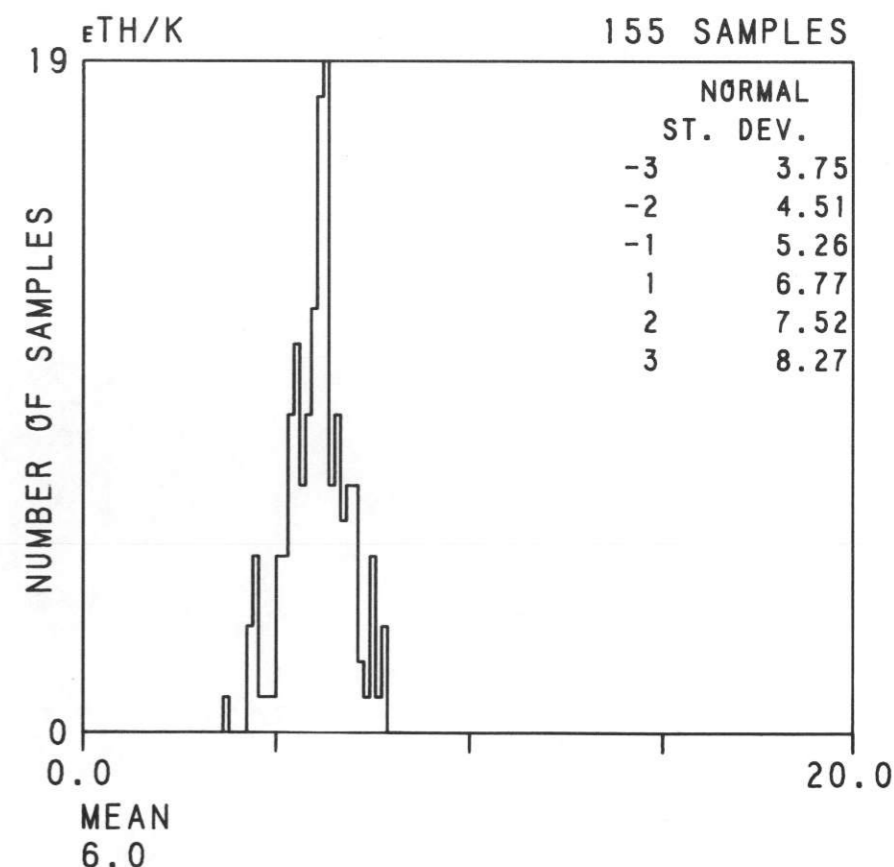
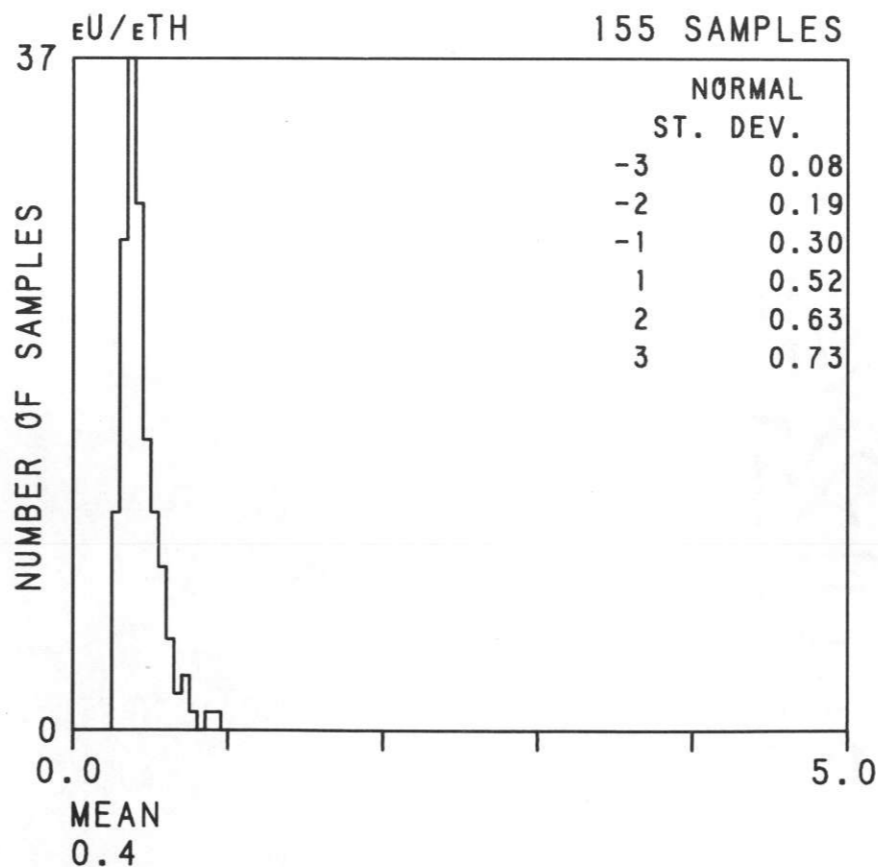
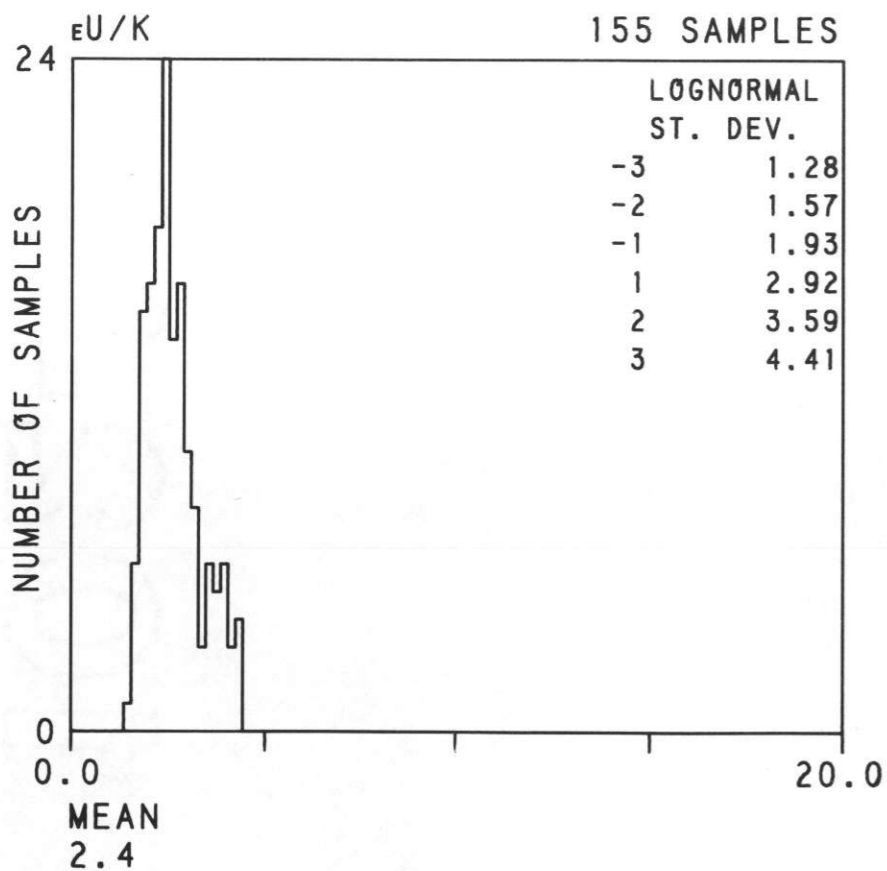
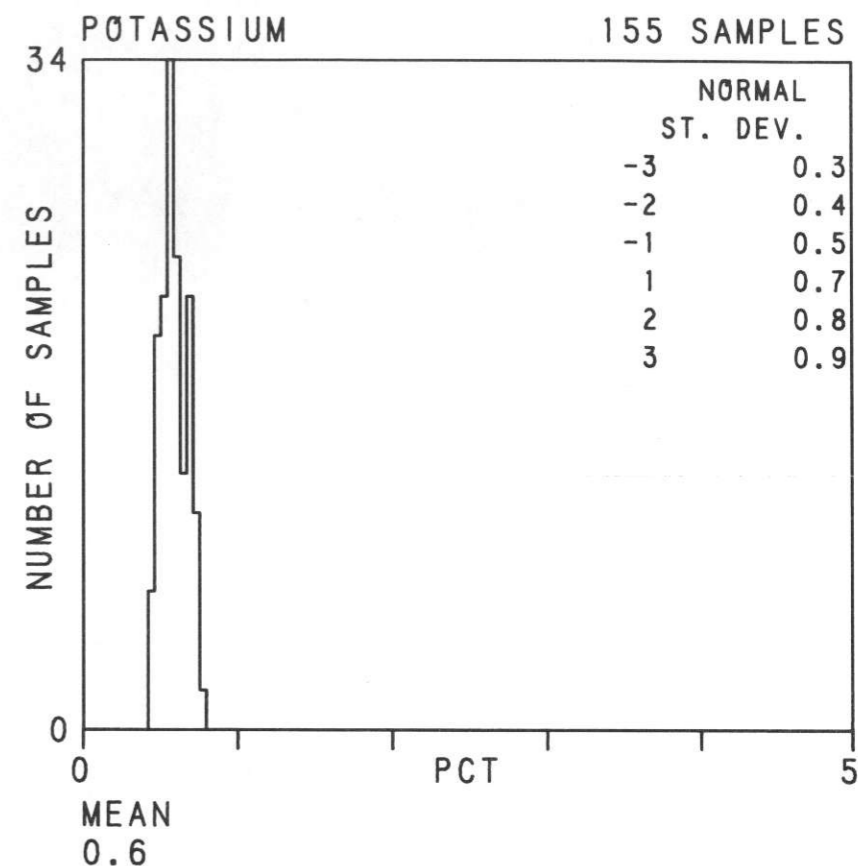
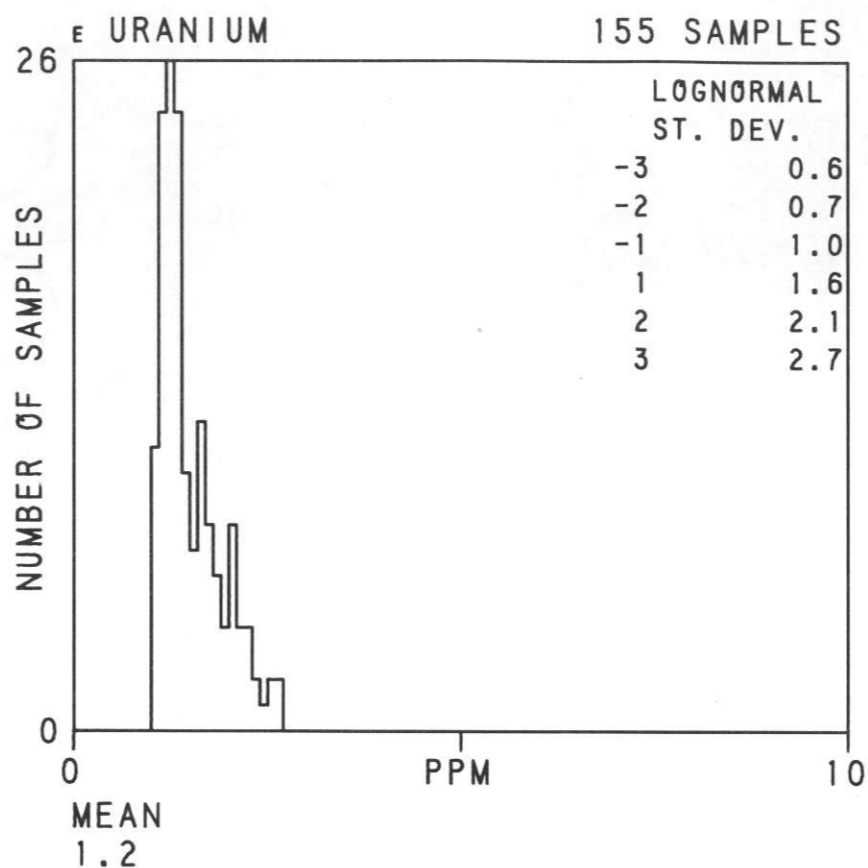
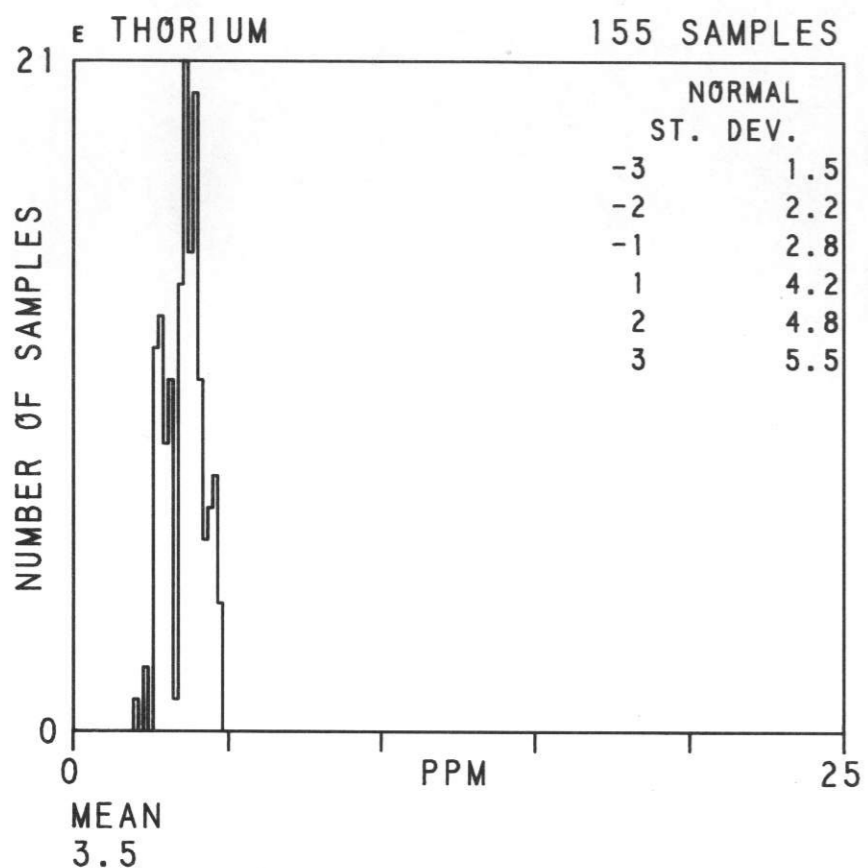
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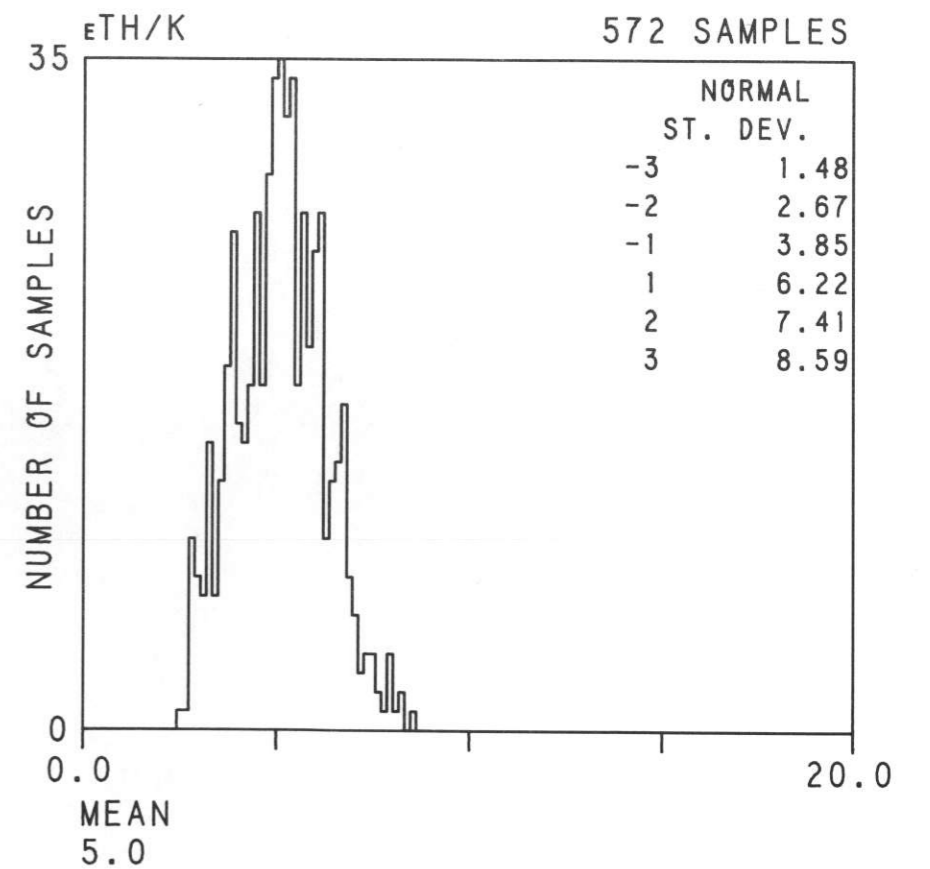
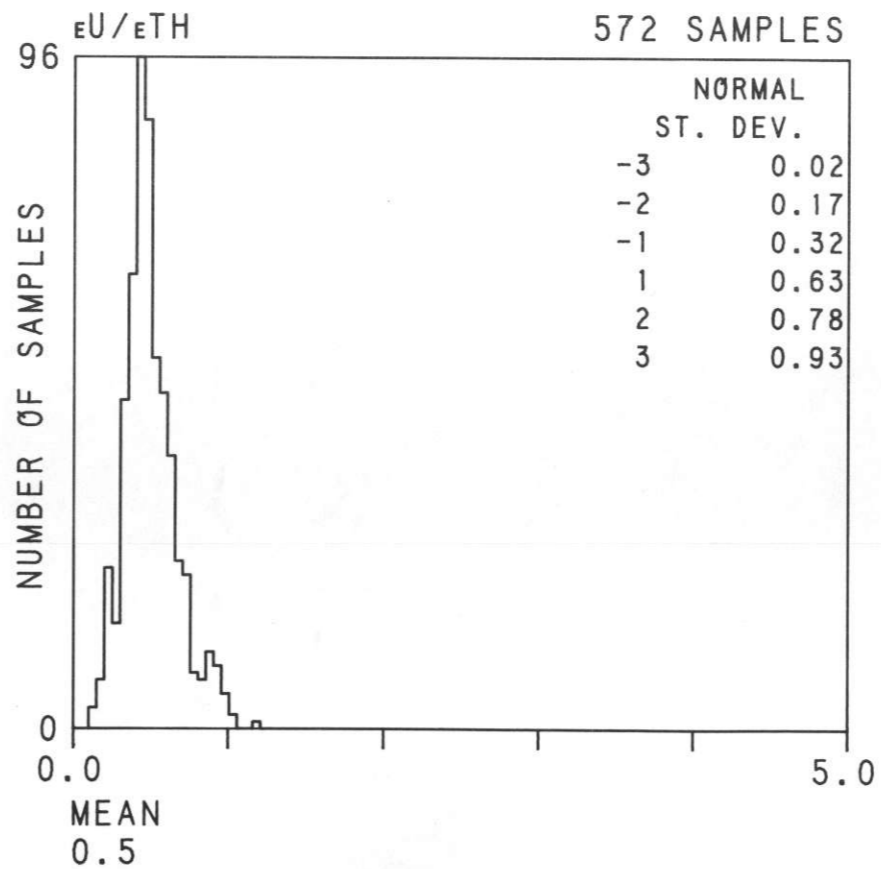
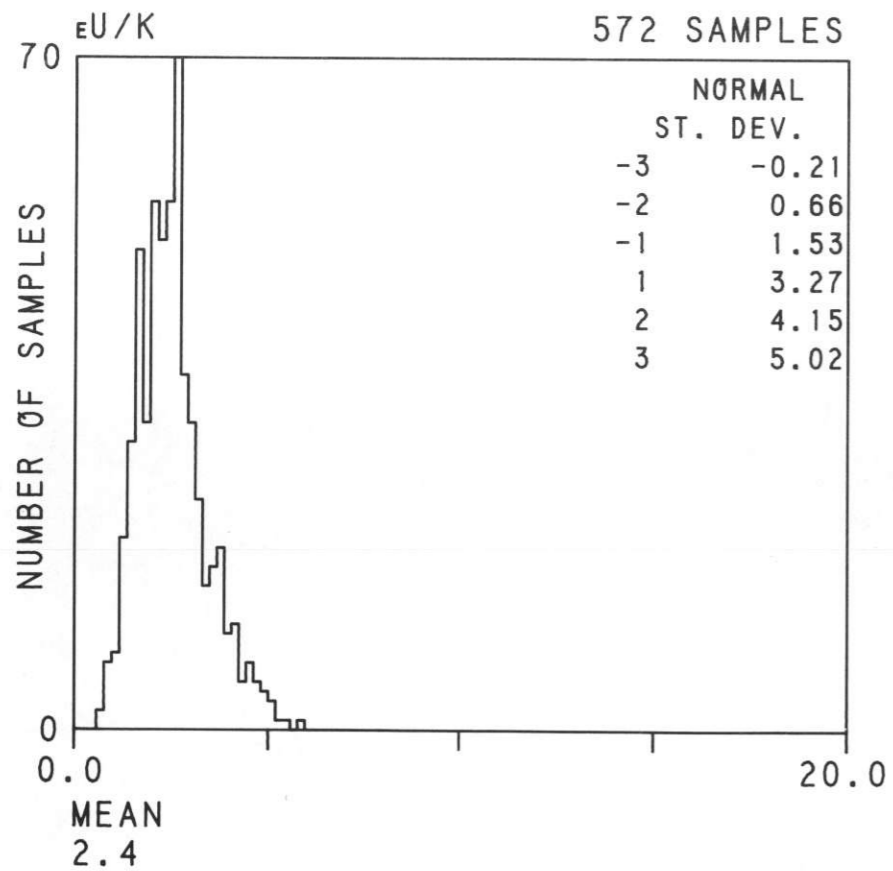
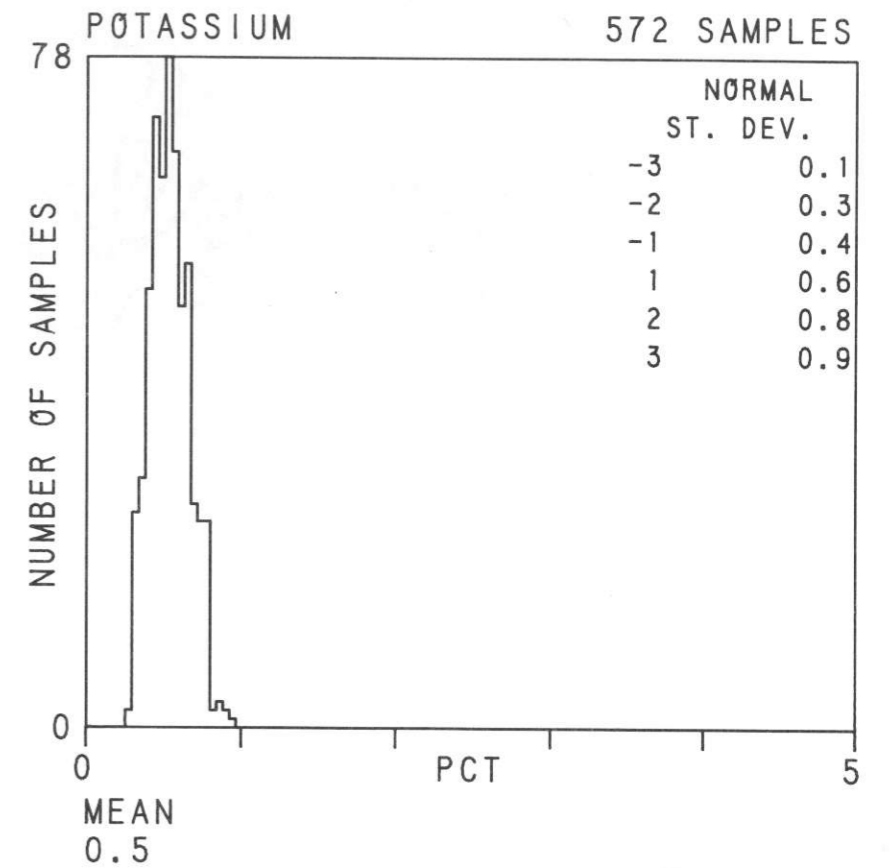
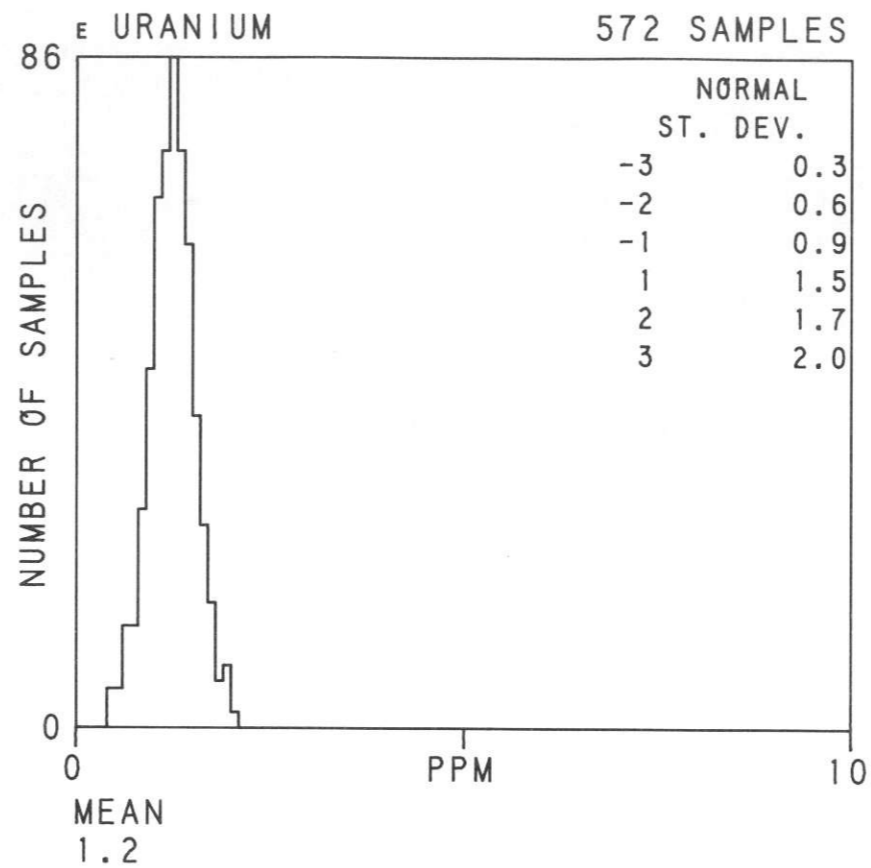
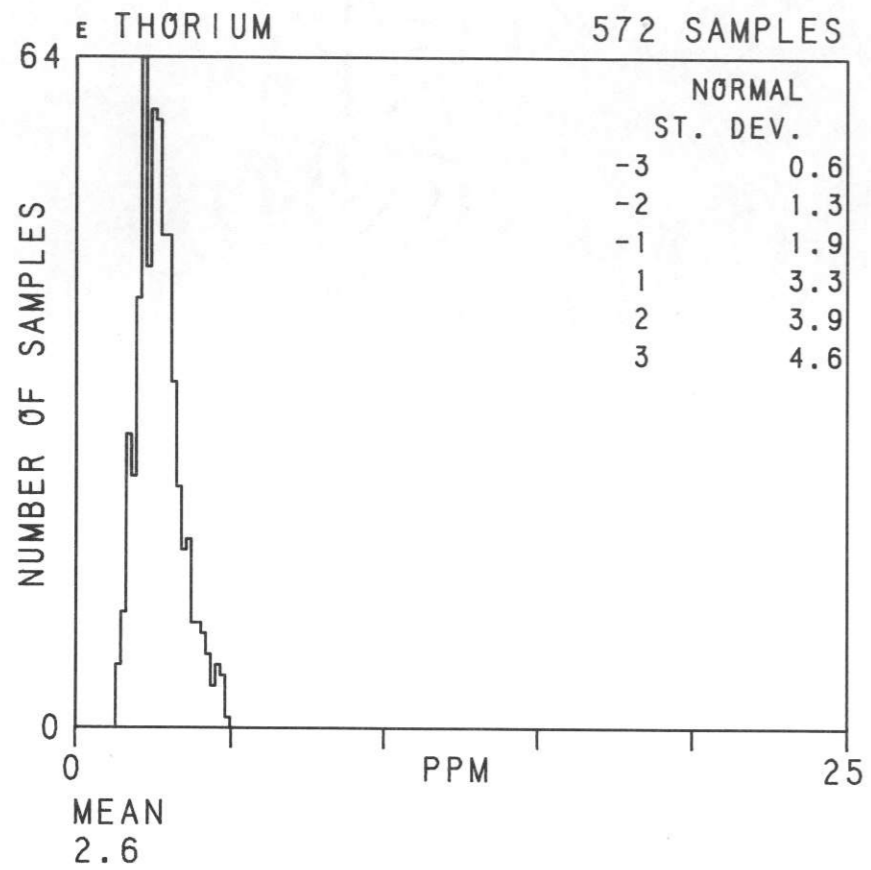
AERO SERVICE
 JOB 9608
 FLOWN 1979

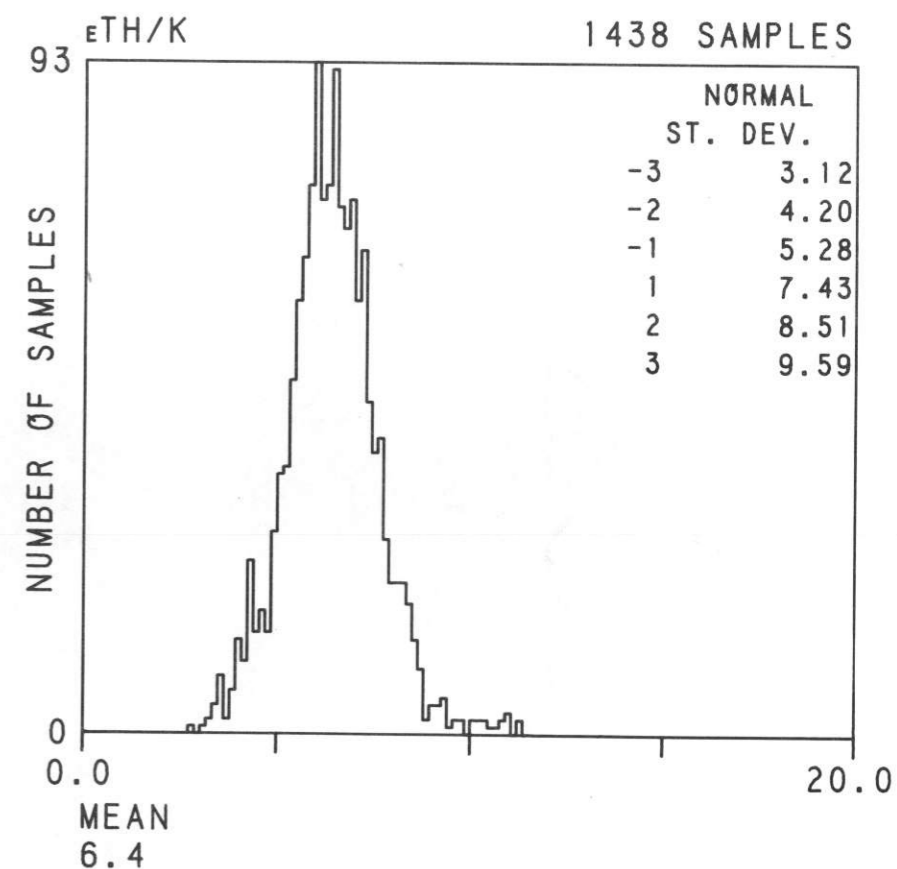
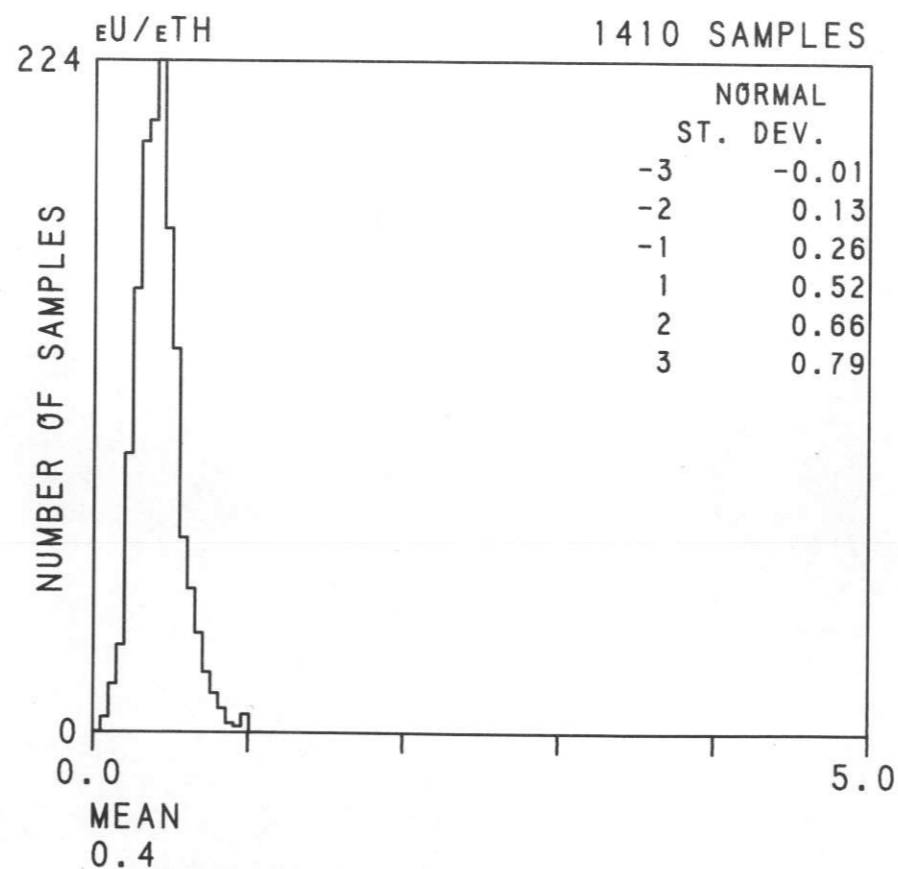
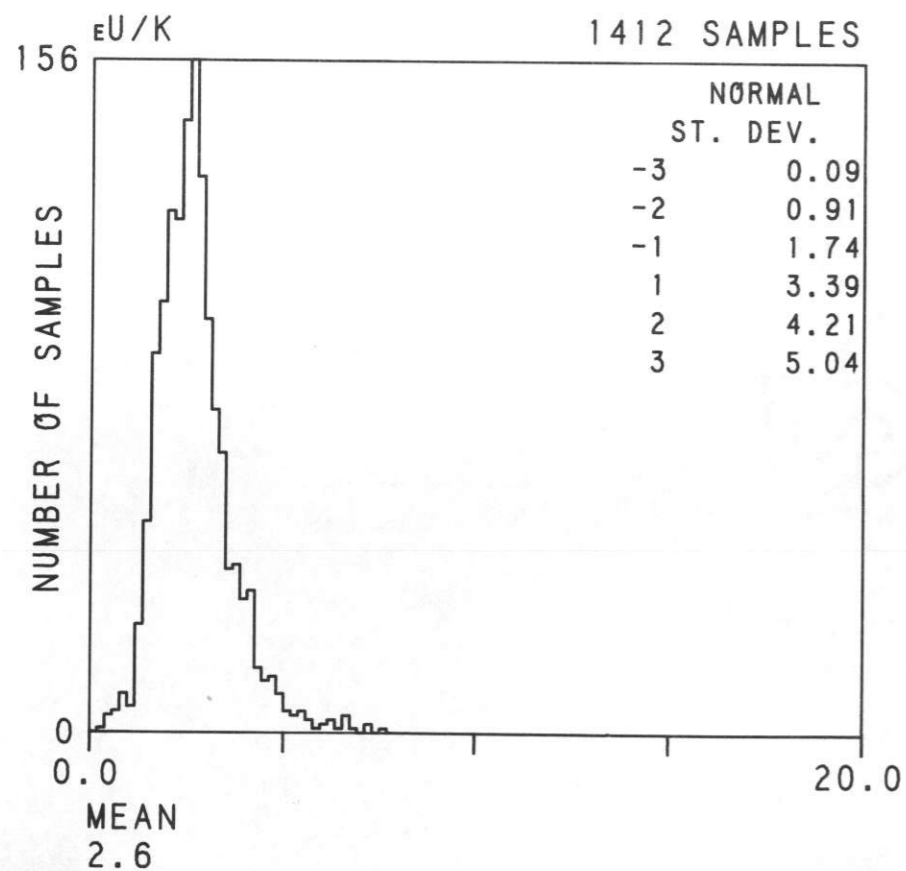
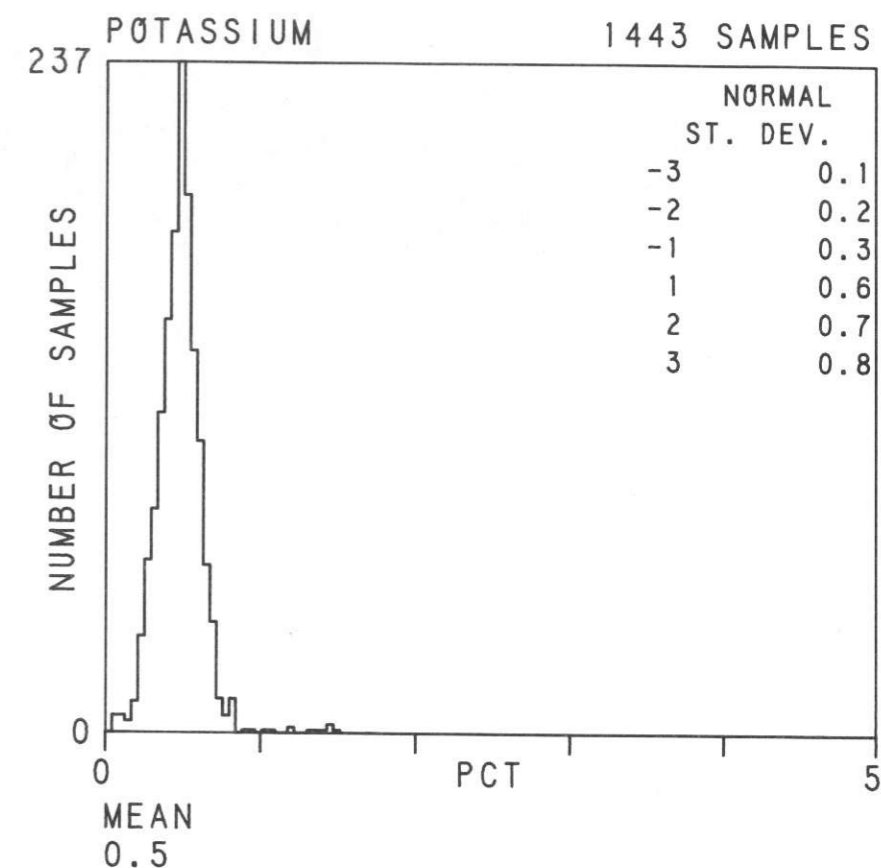
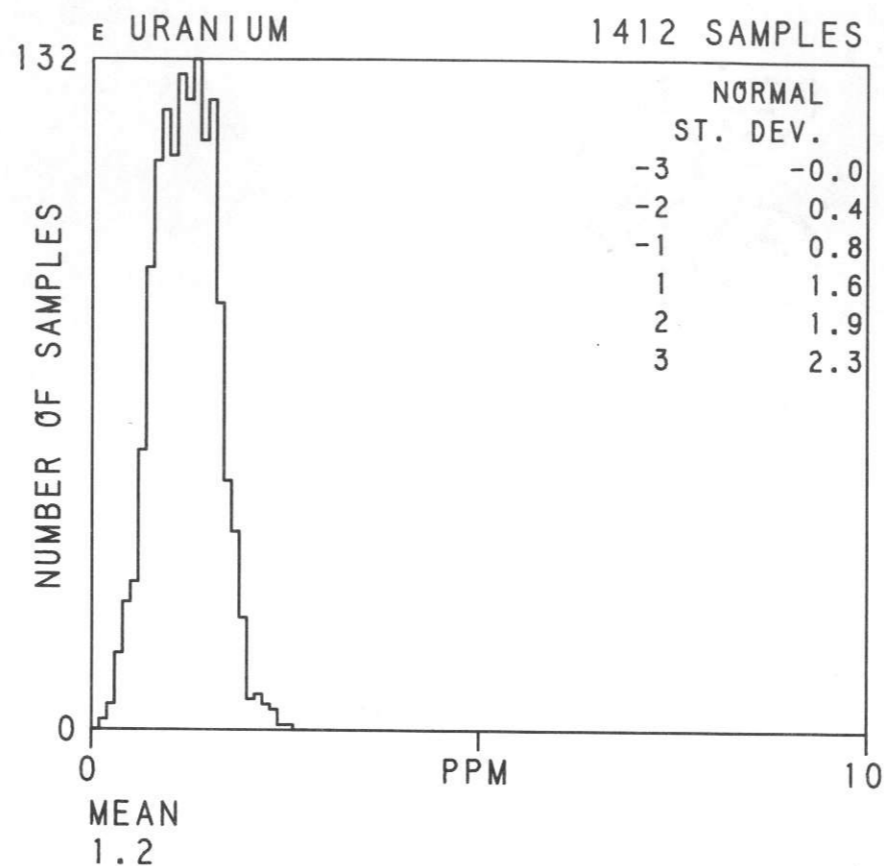
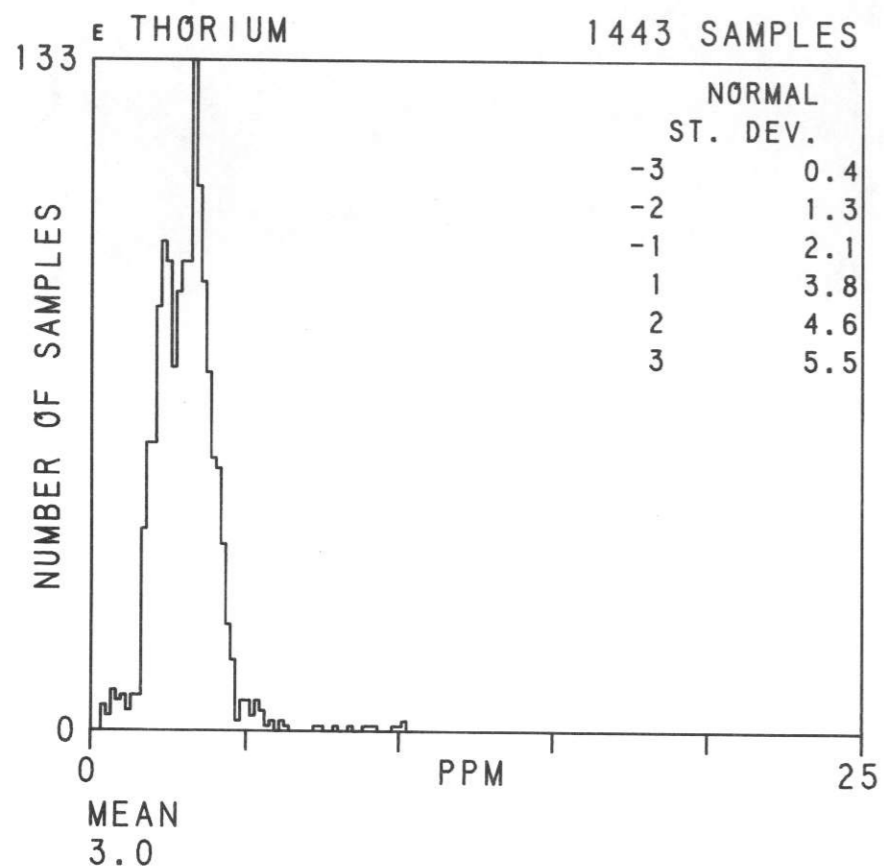
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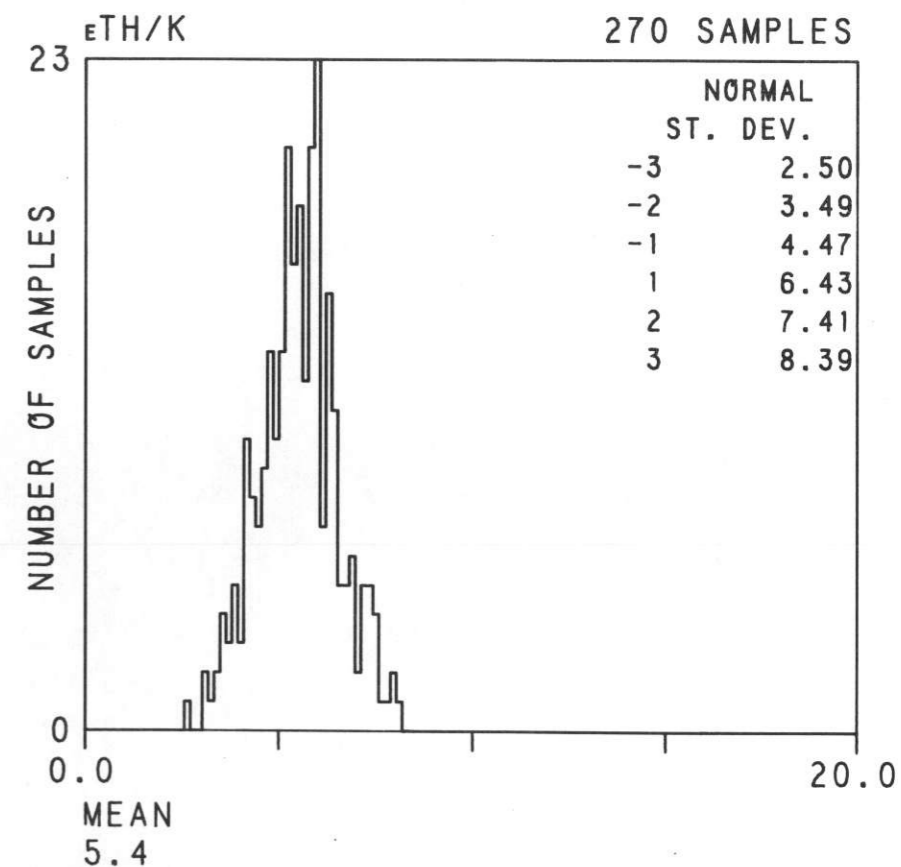
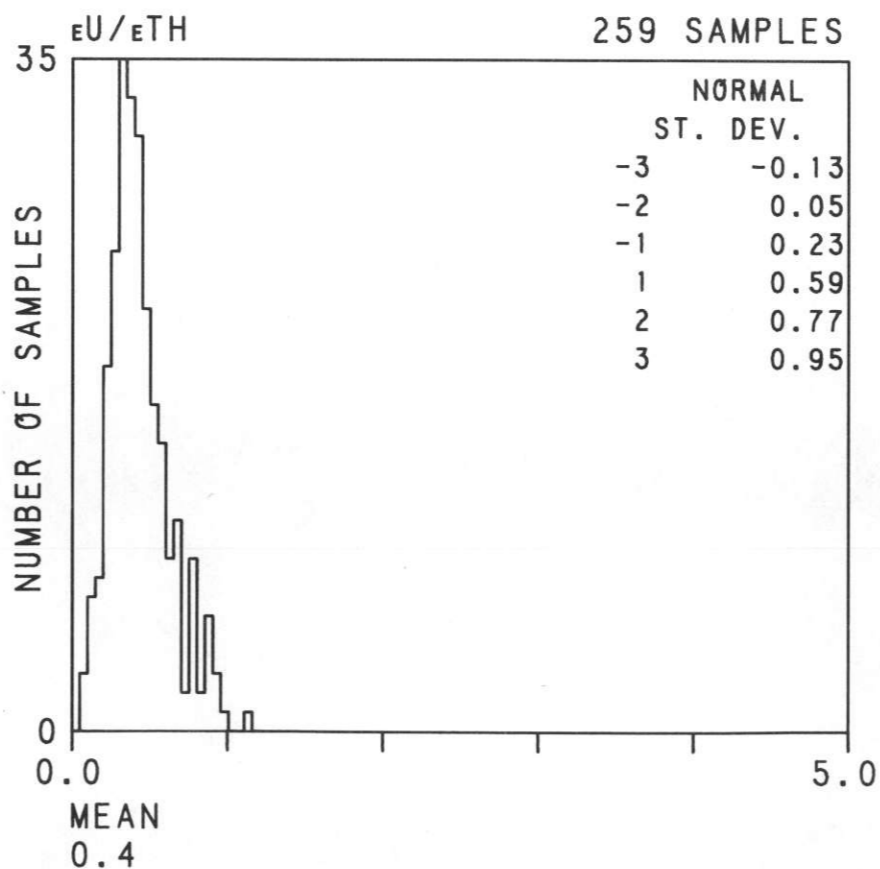
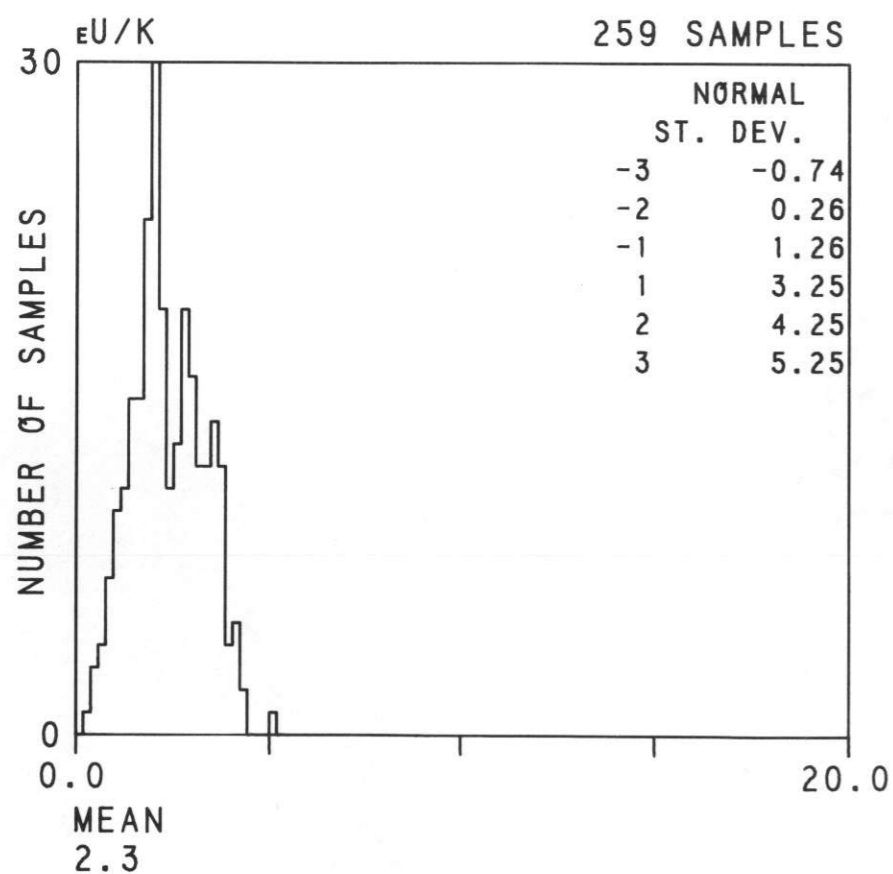
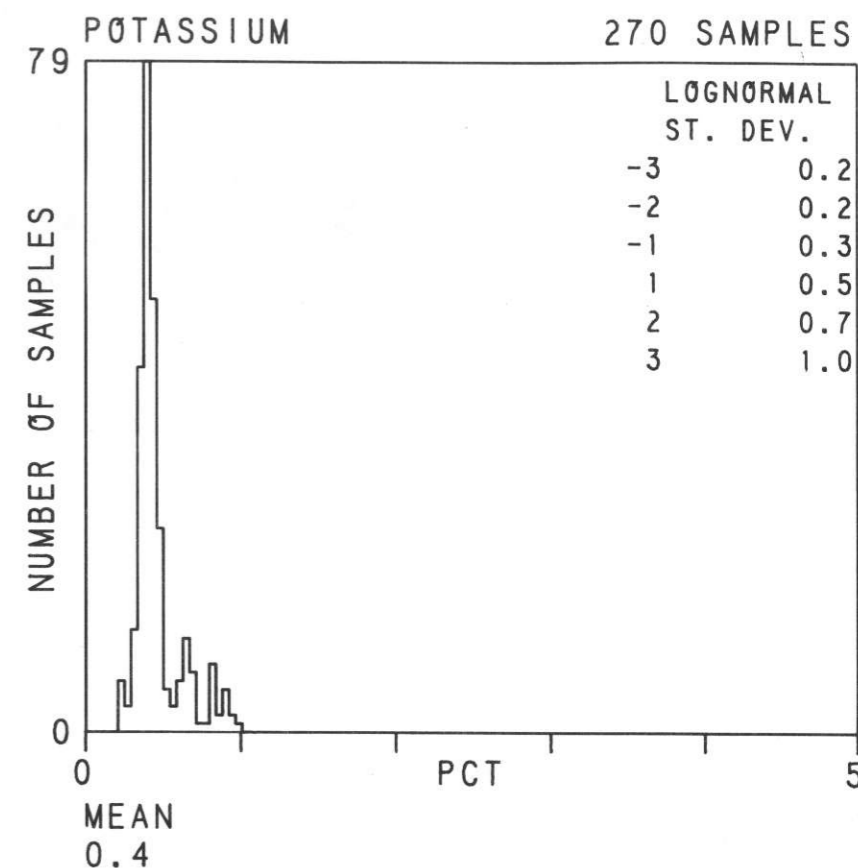
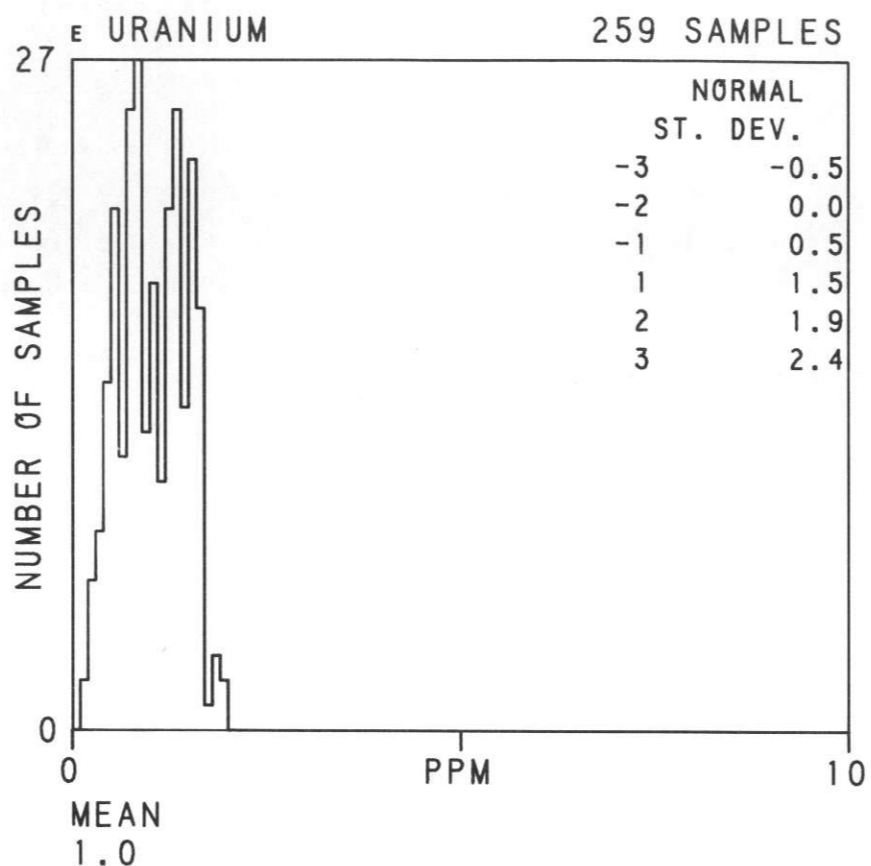
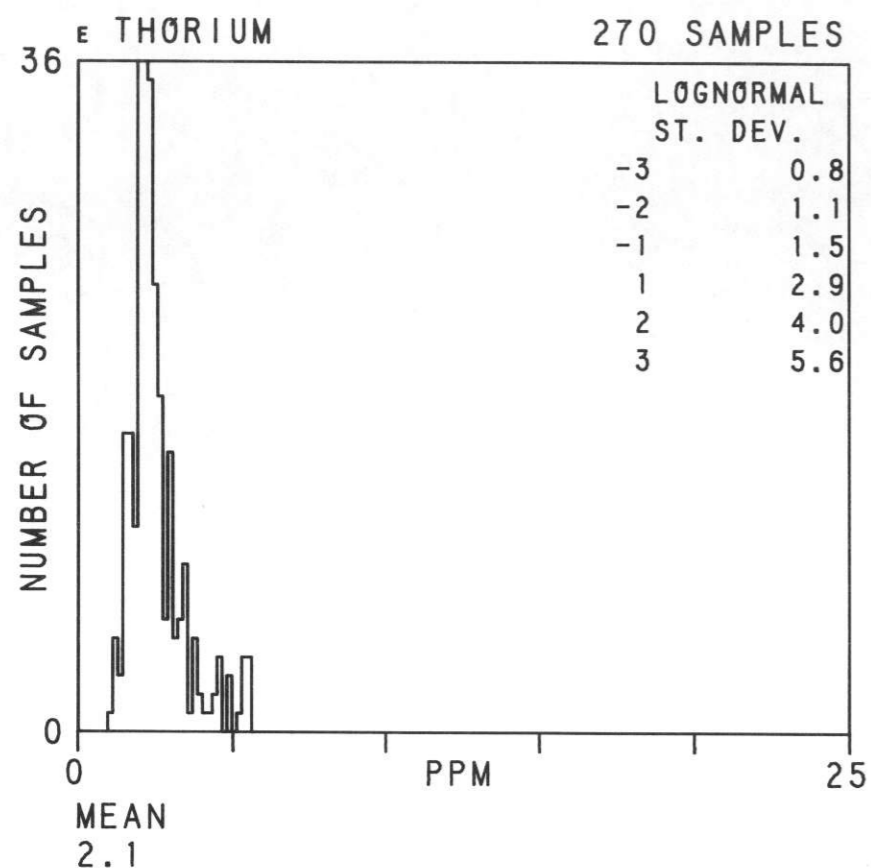


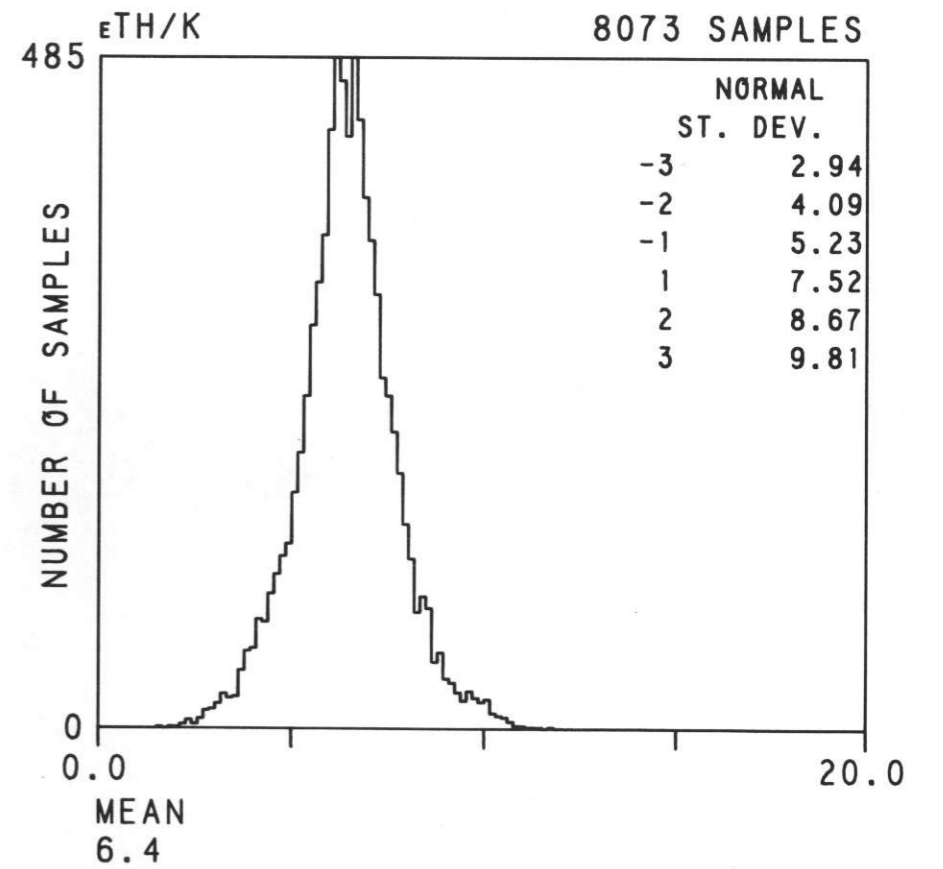
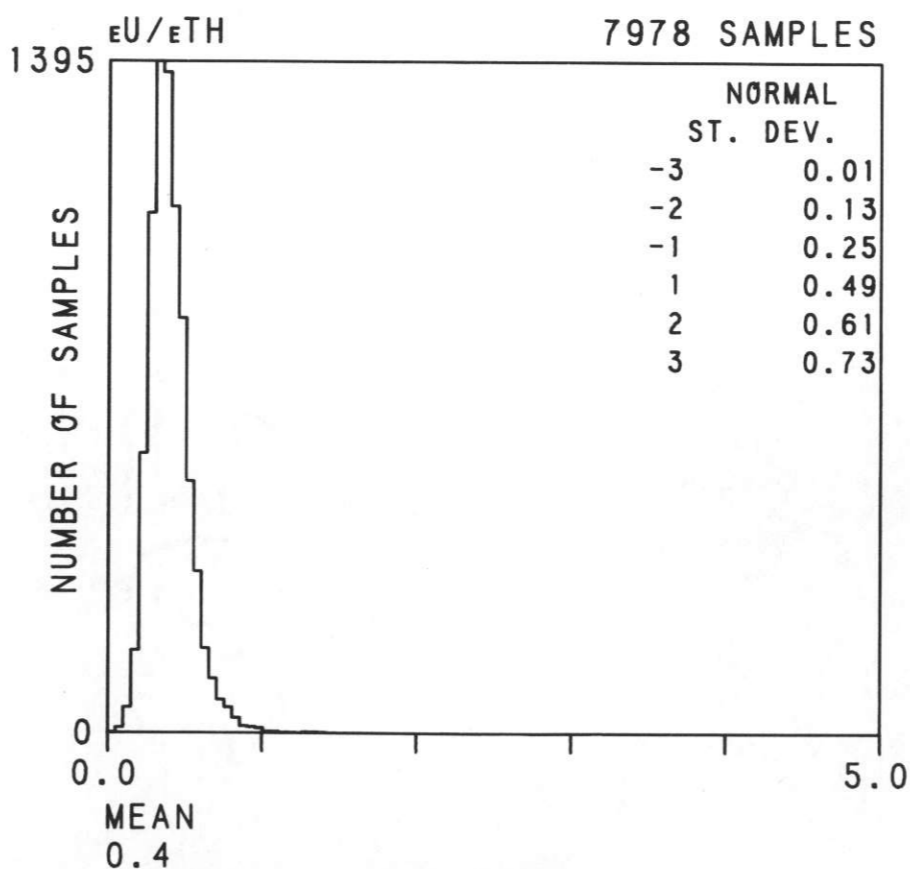
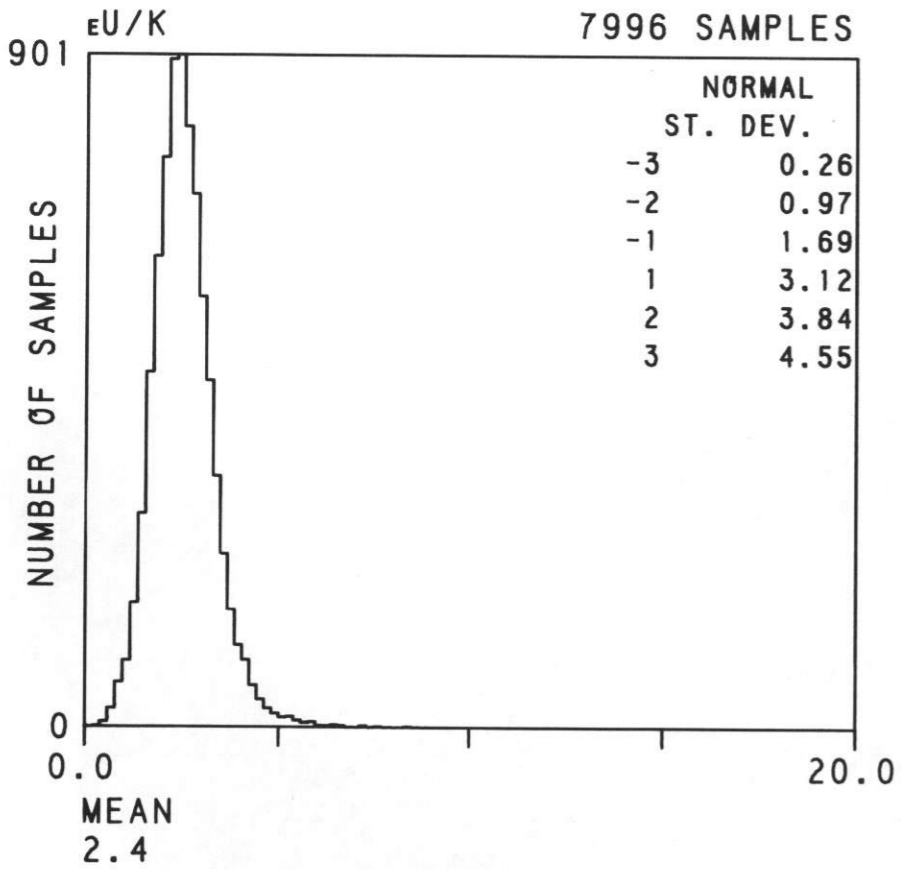
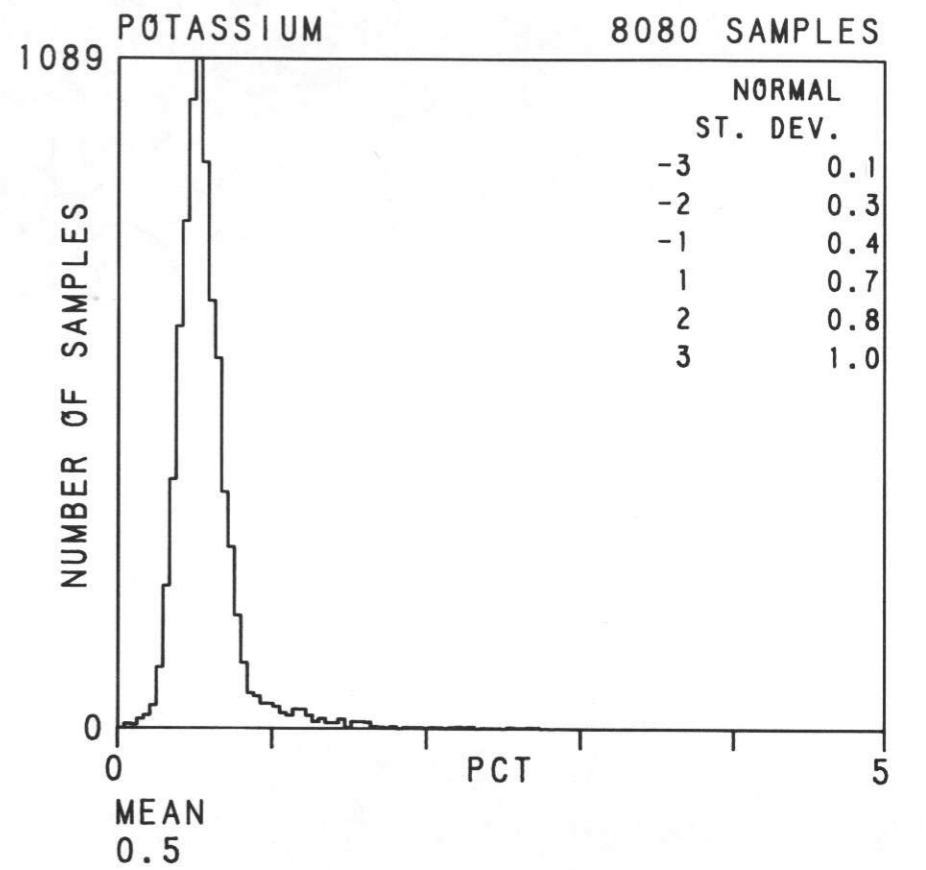
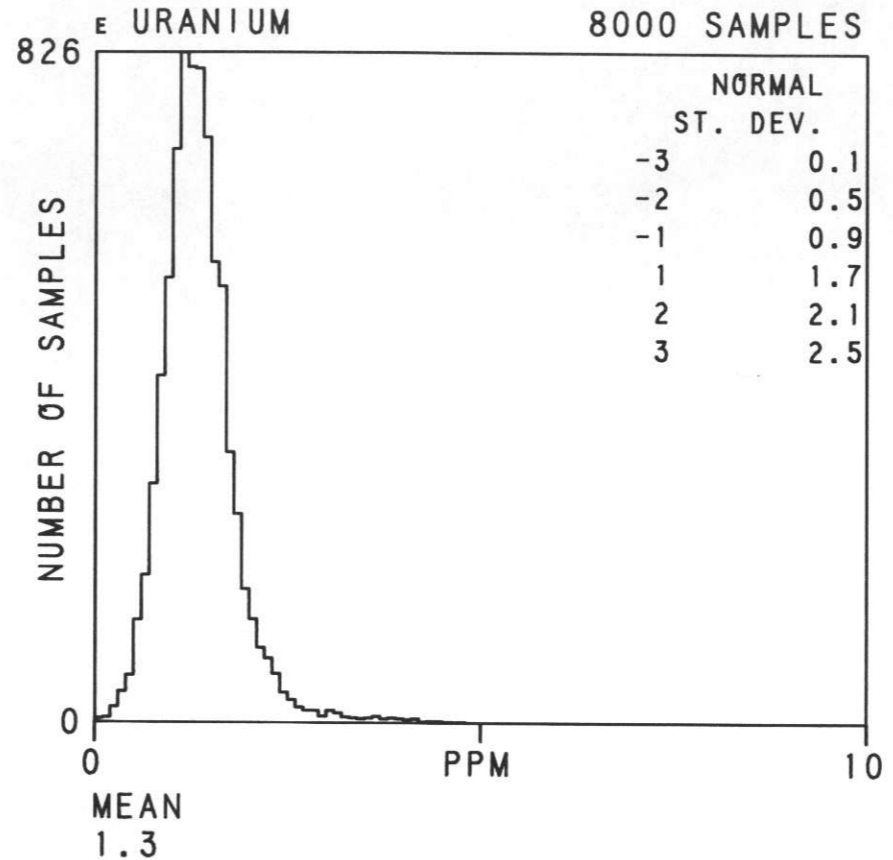
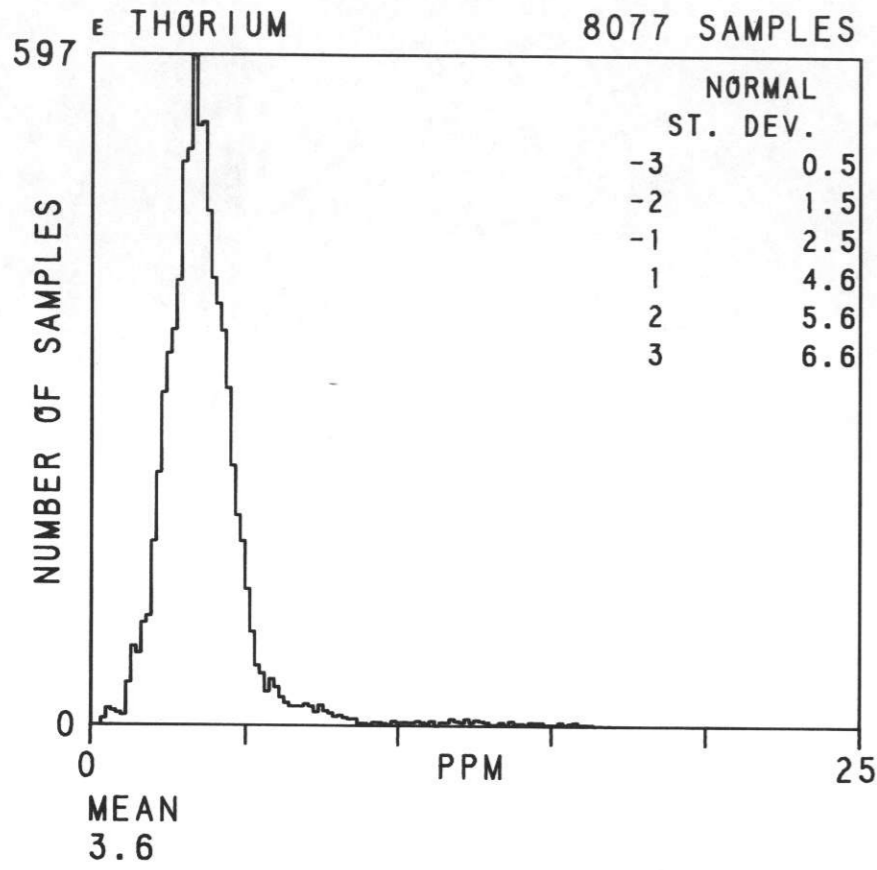


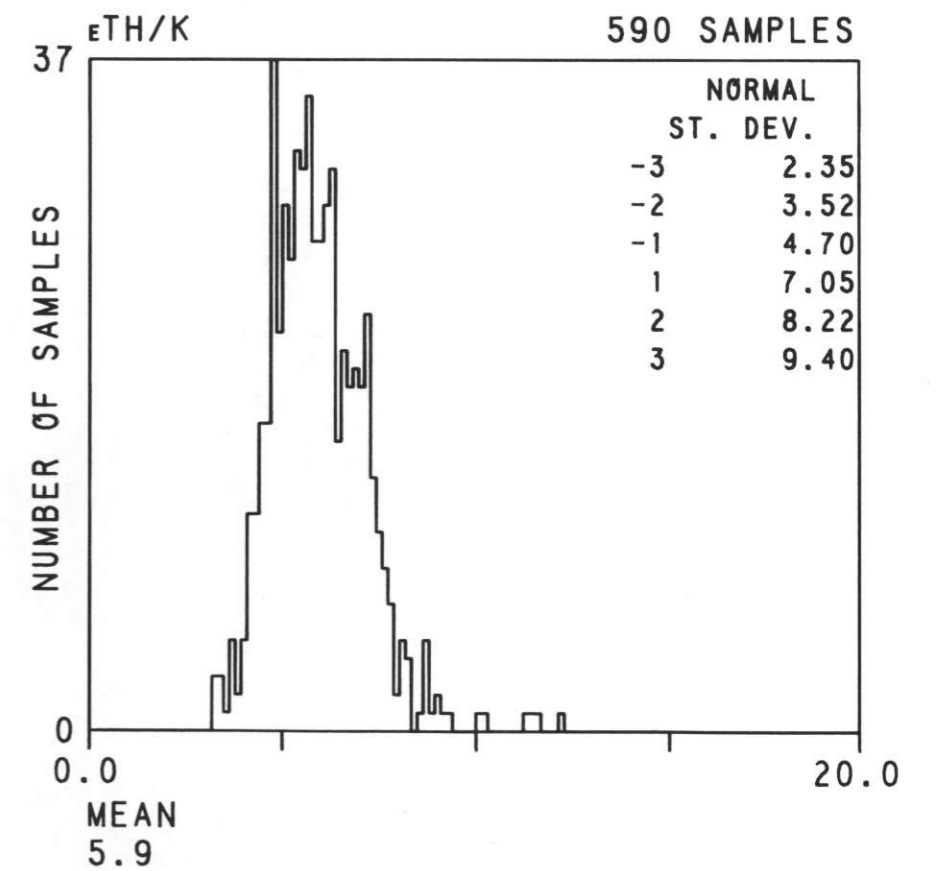
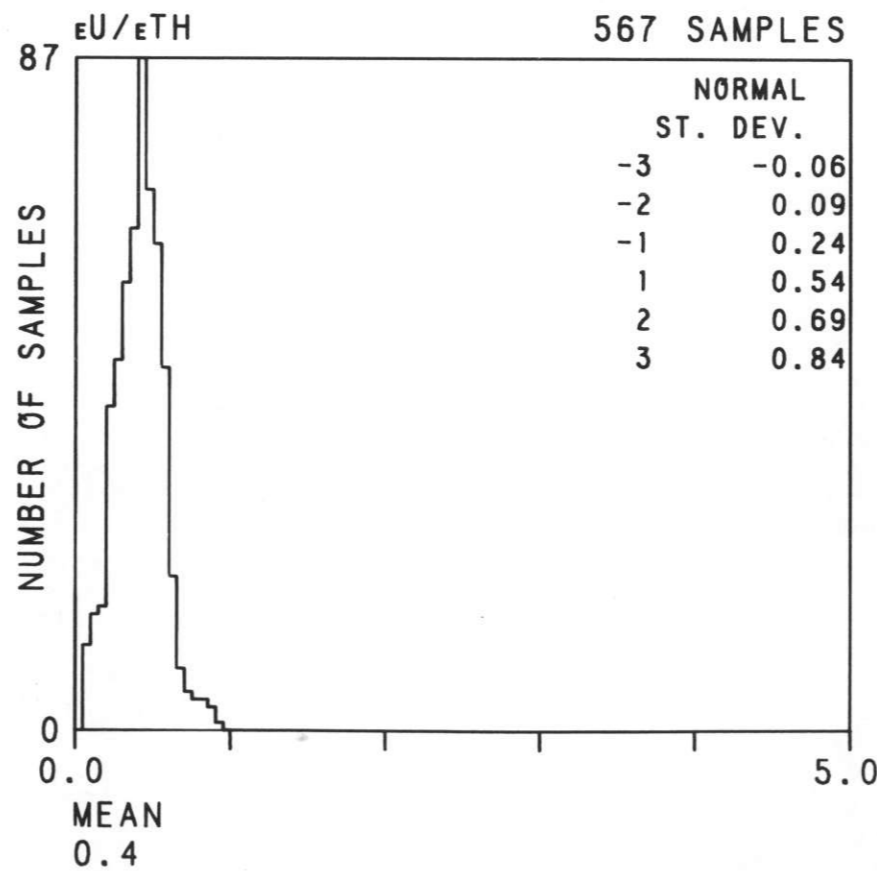
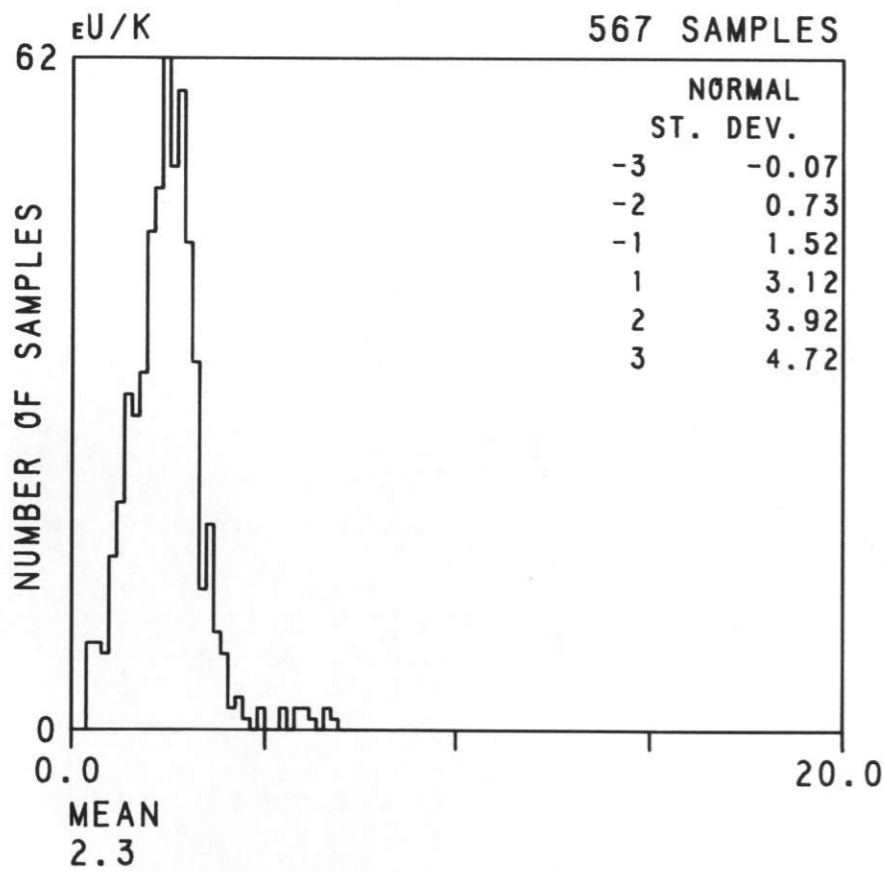
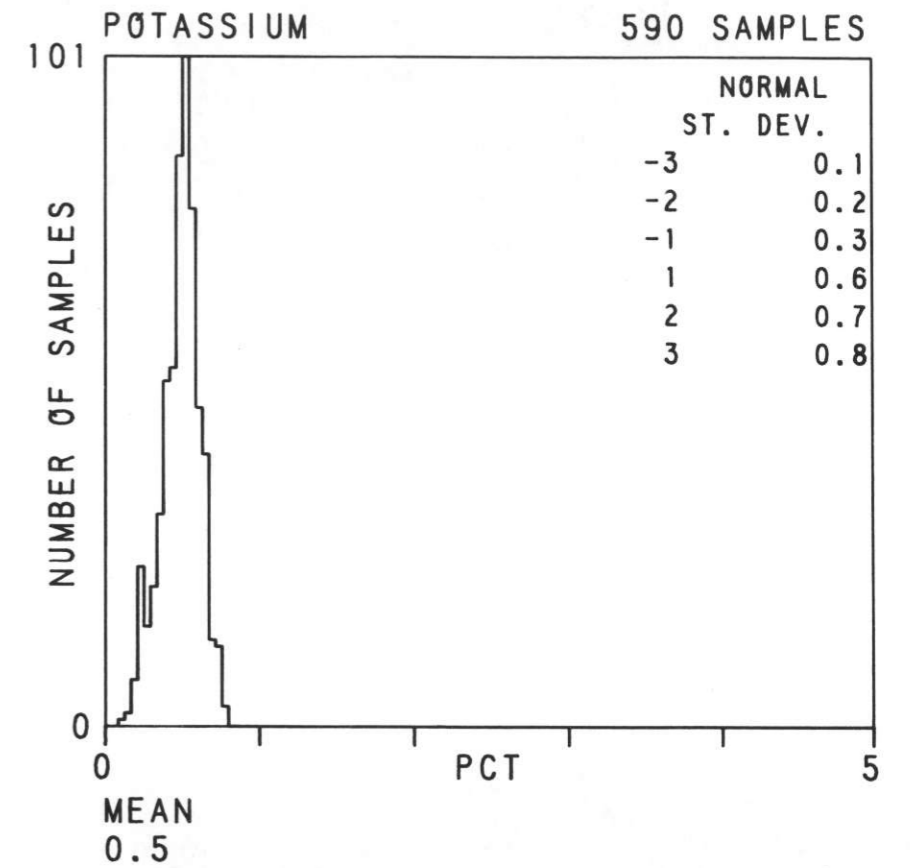
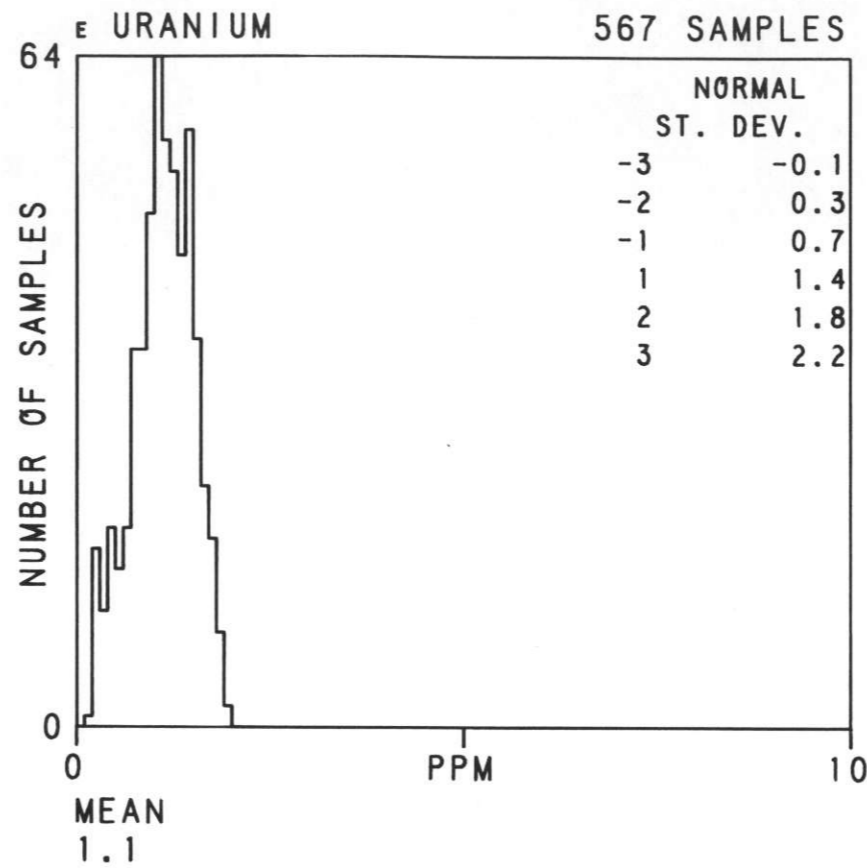
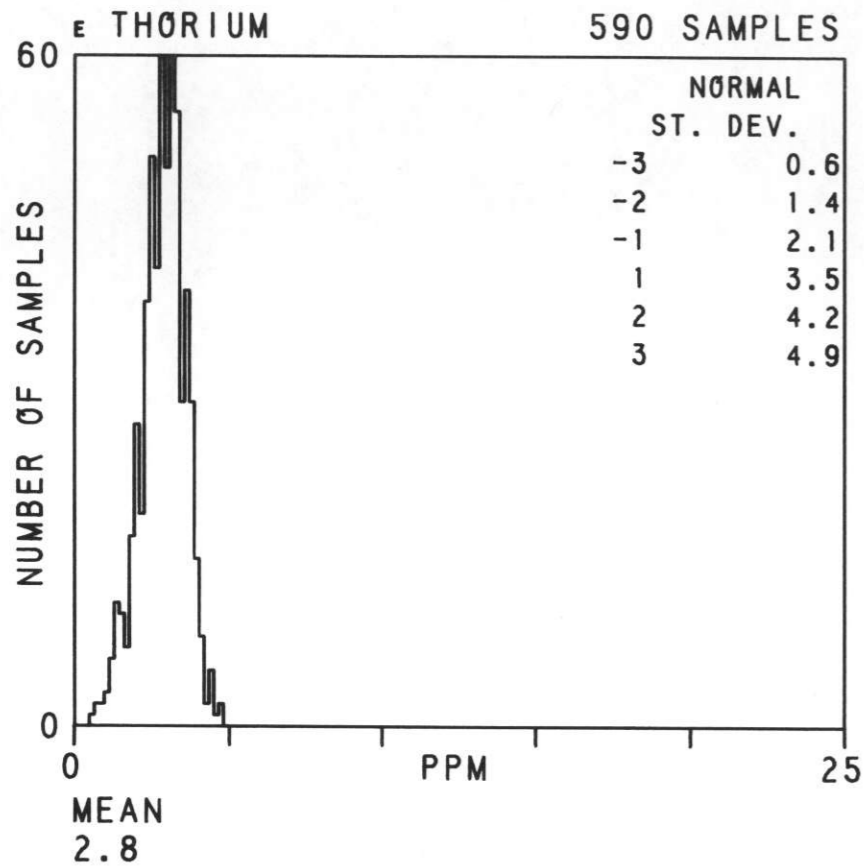


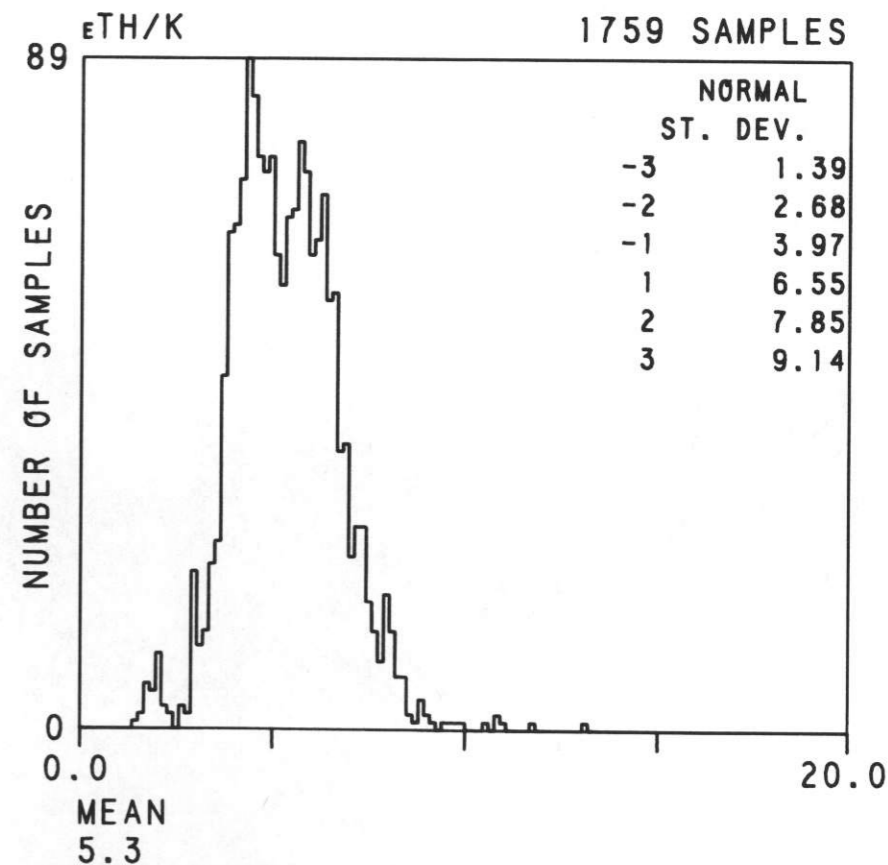
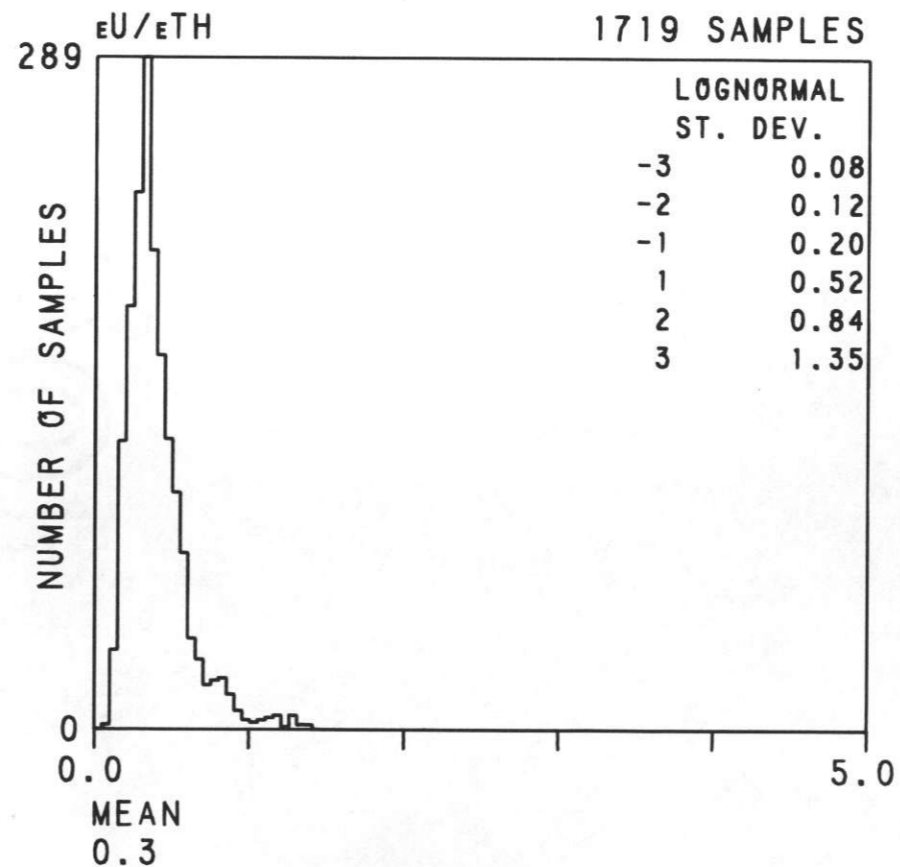
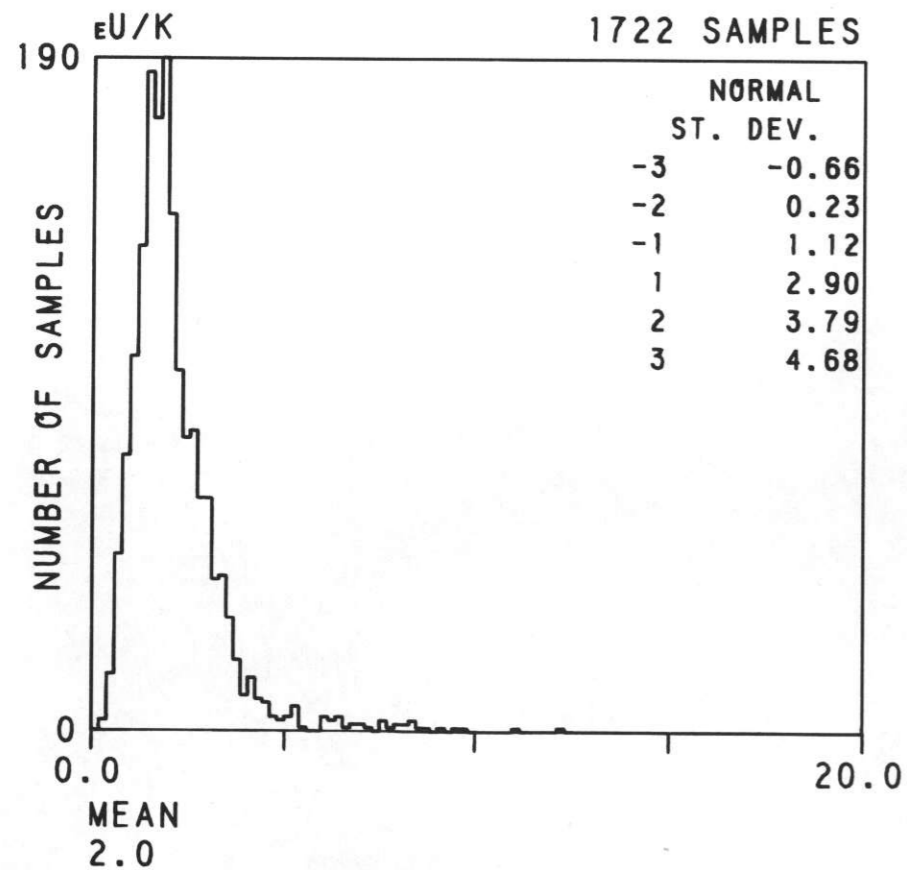
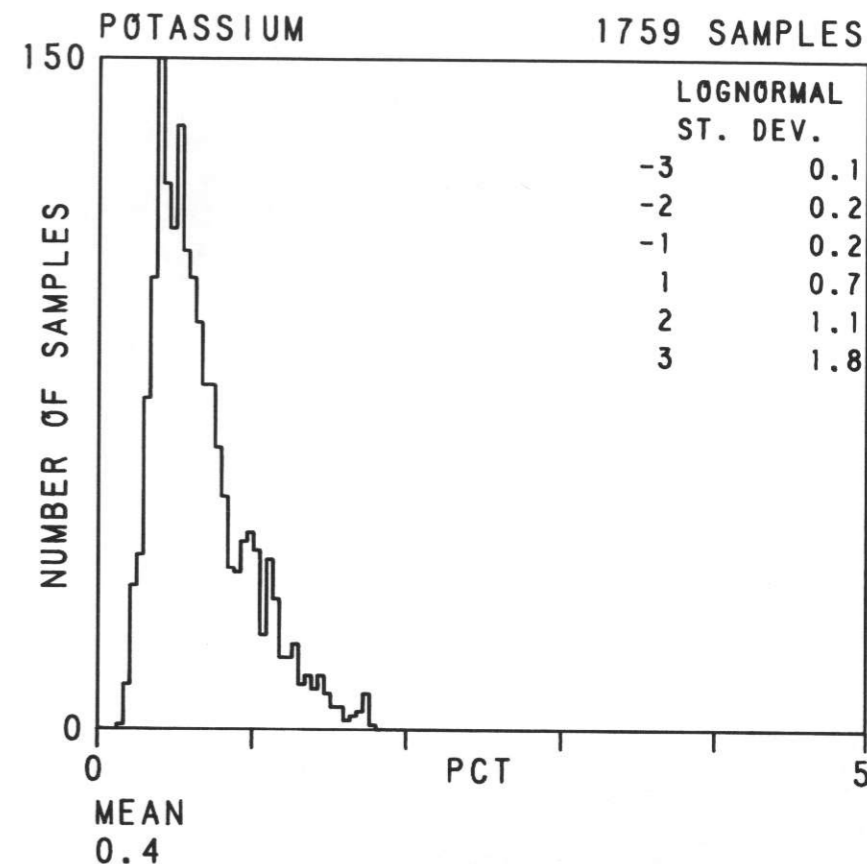
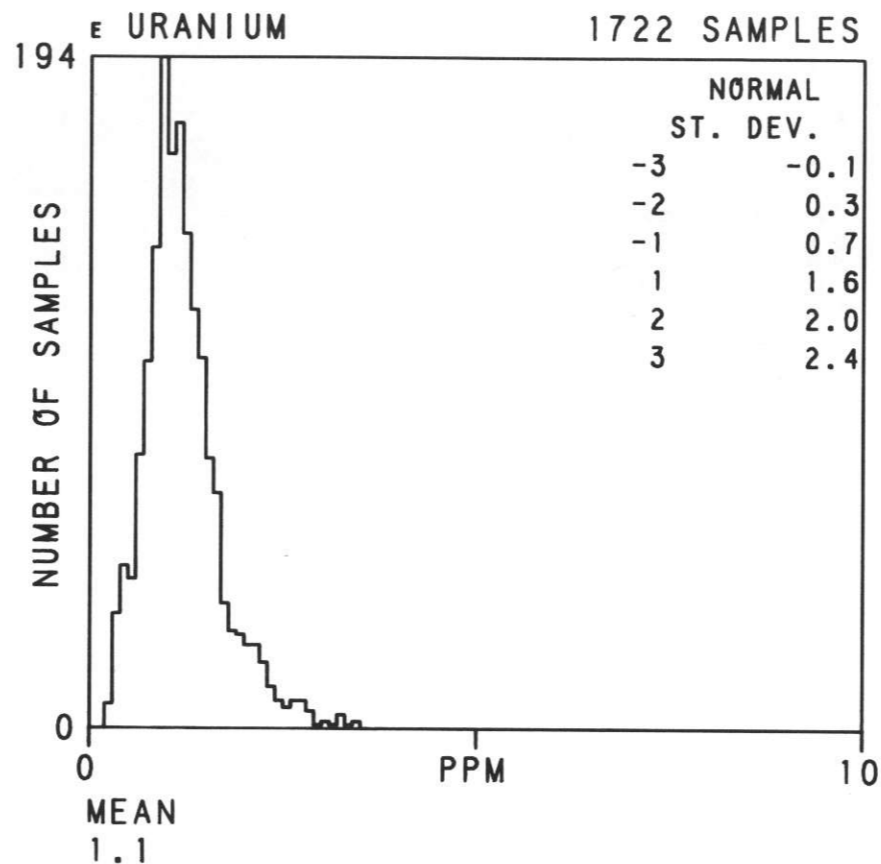
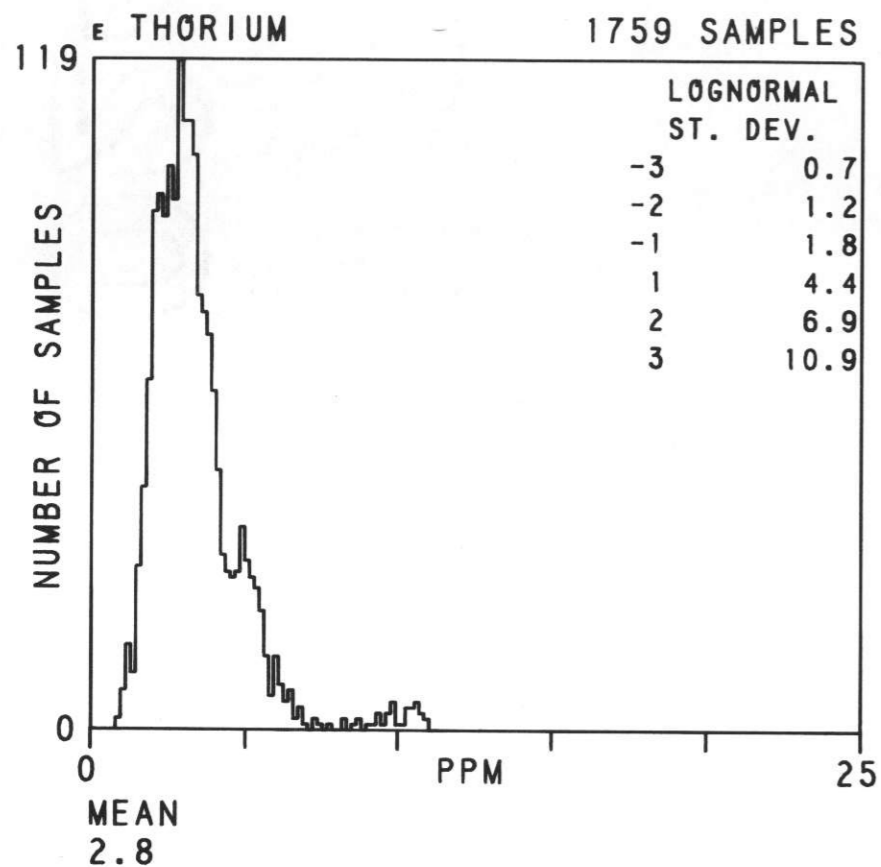


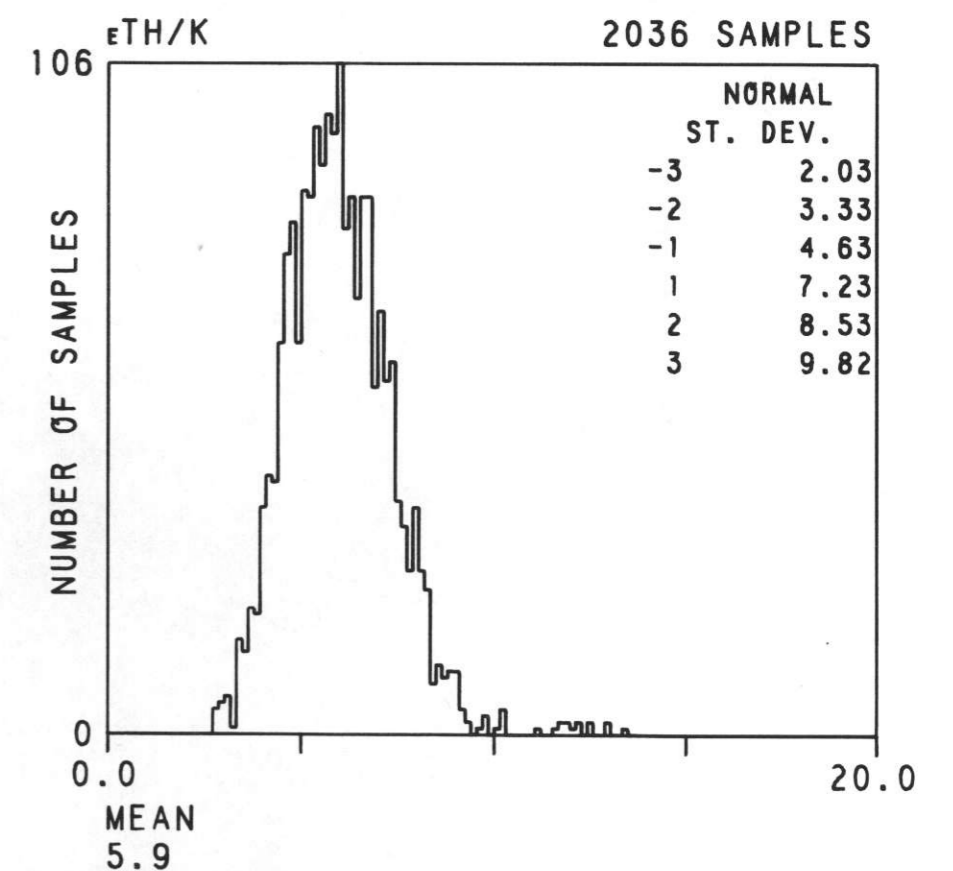
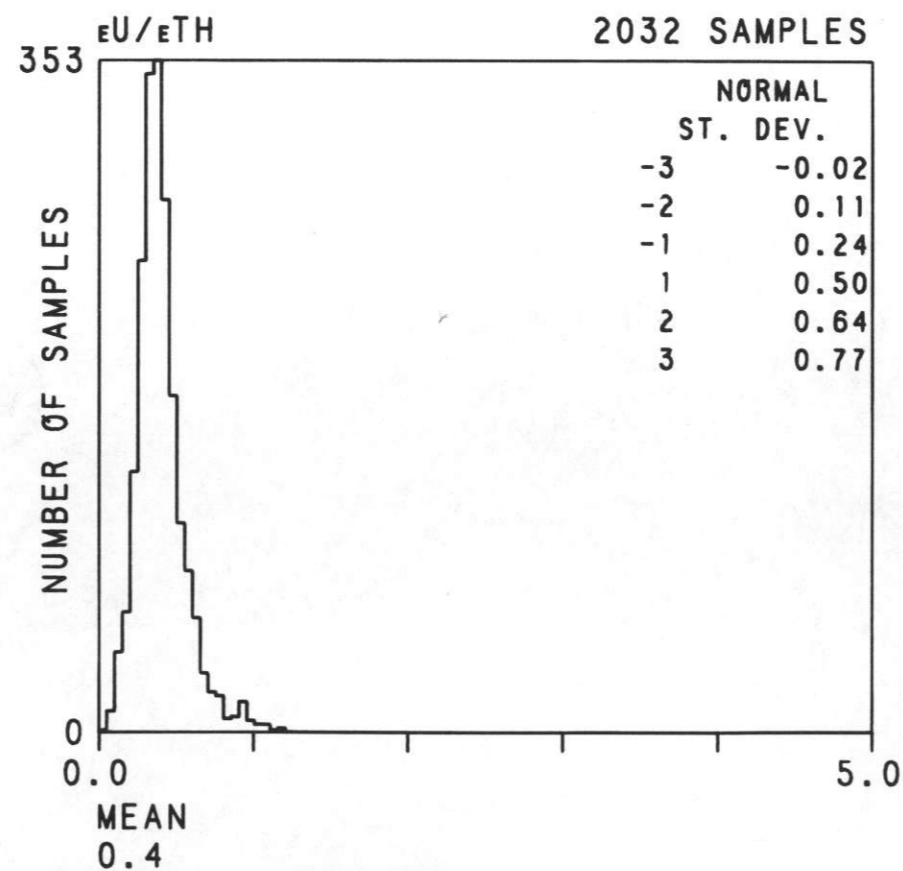
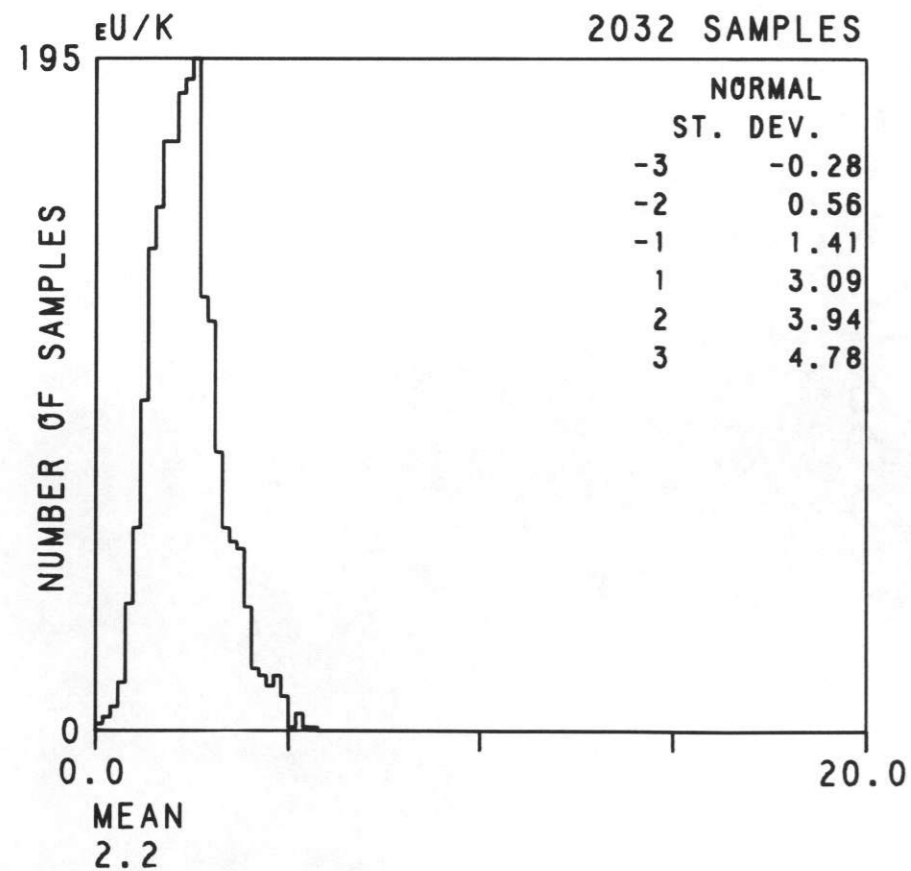
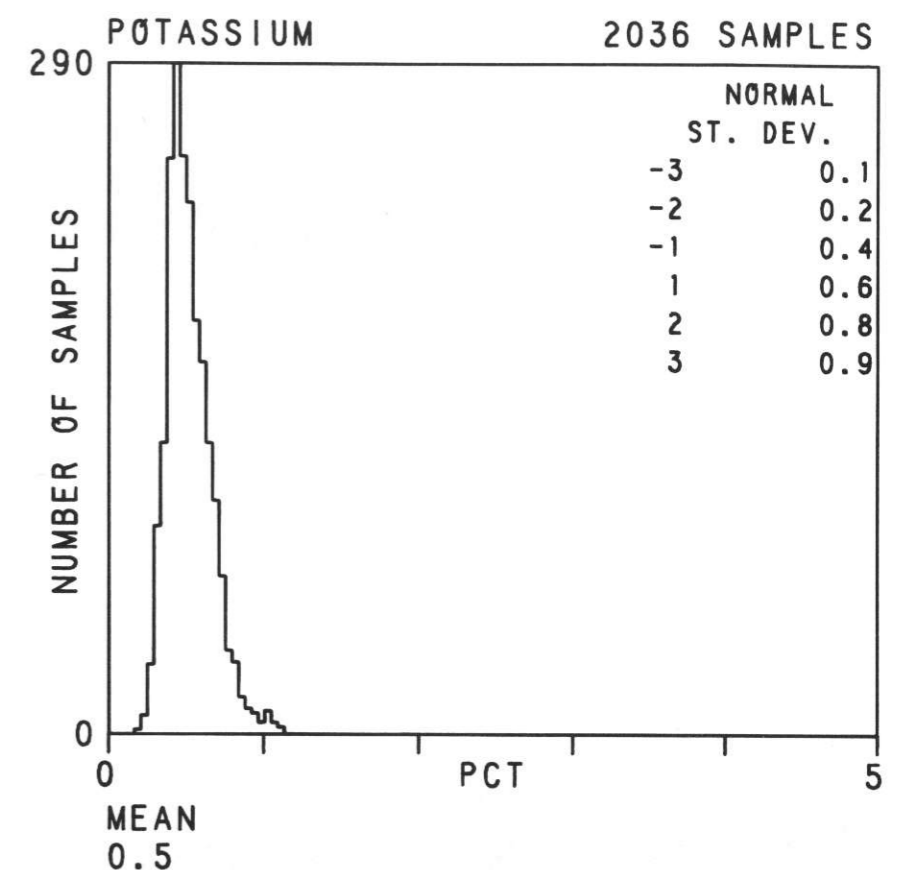
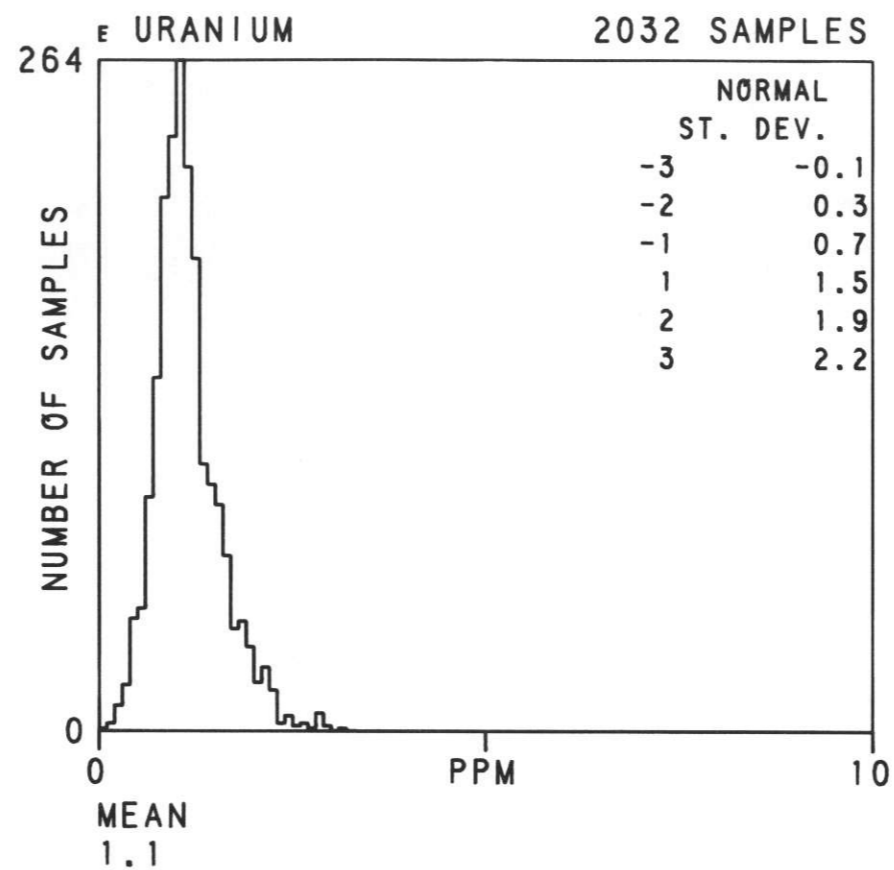
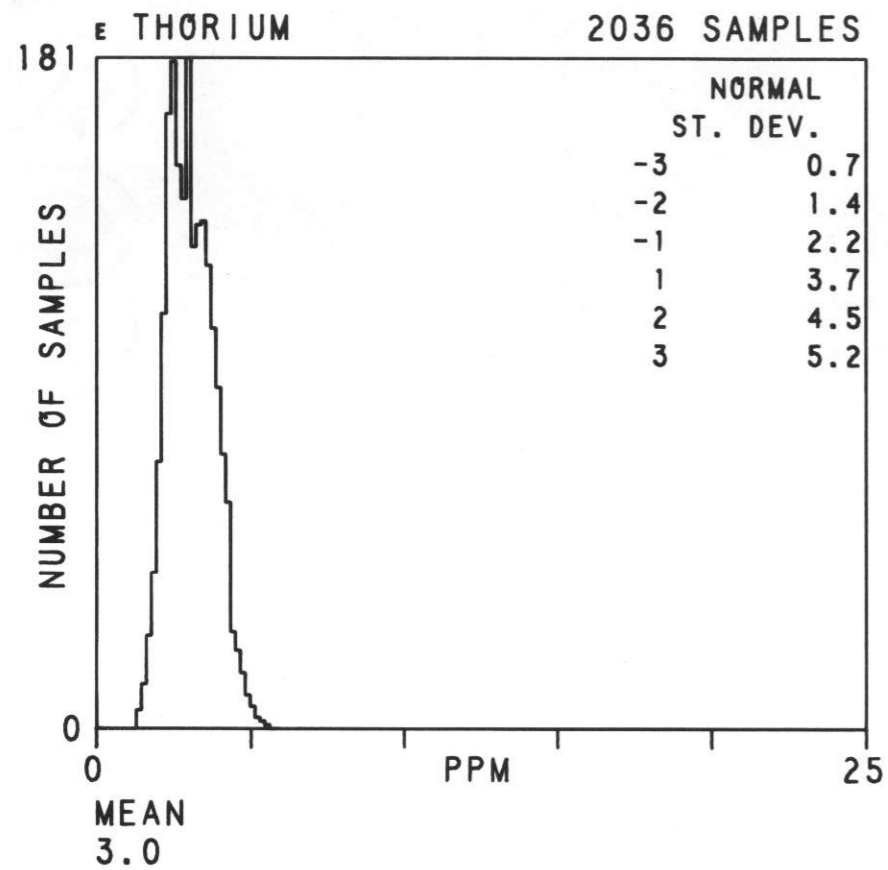


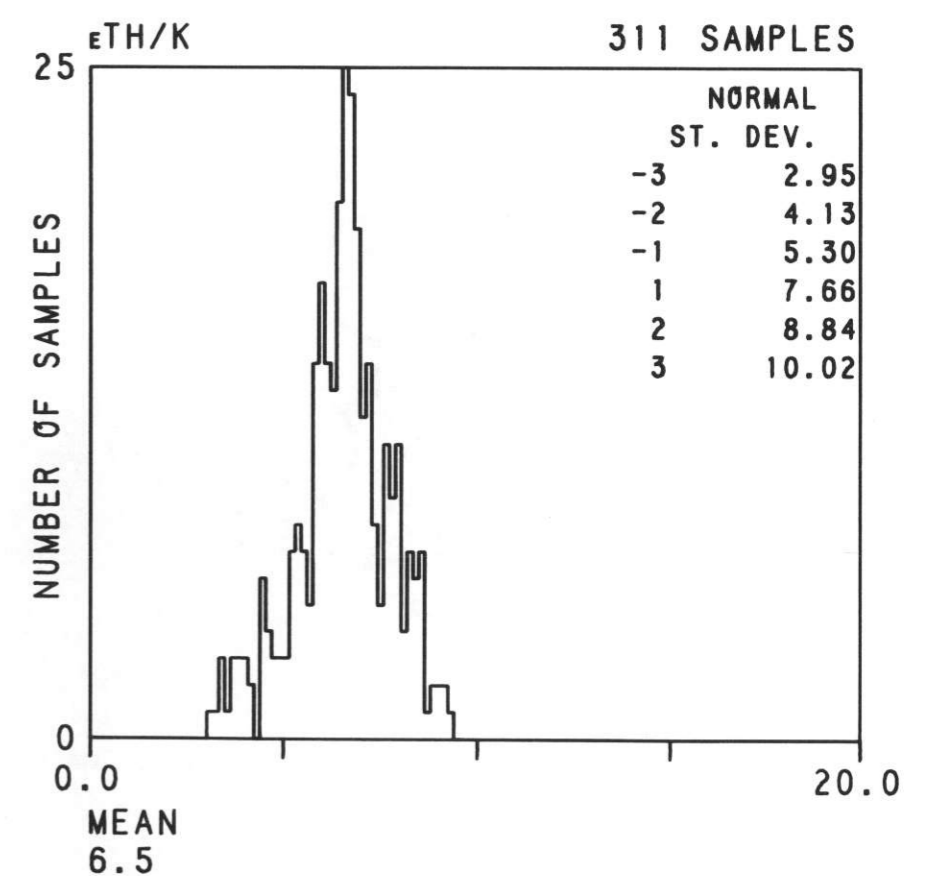
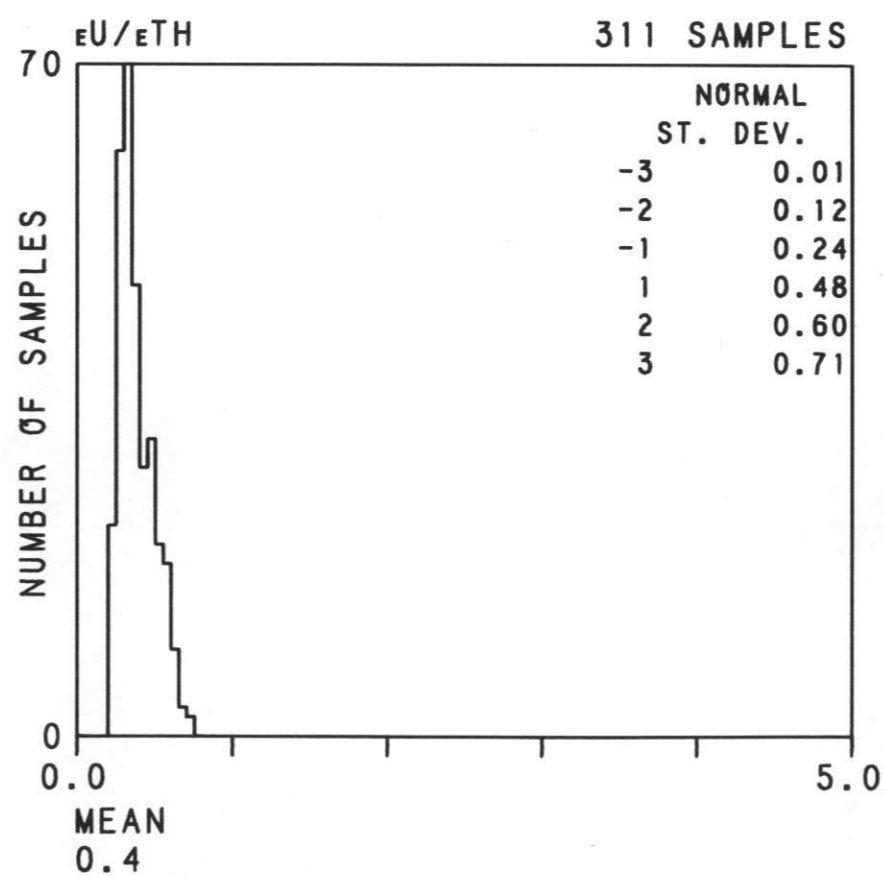
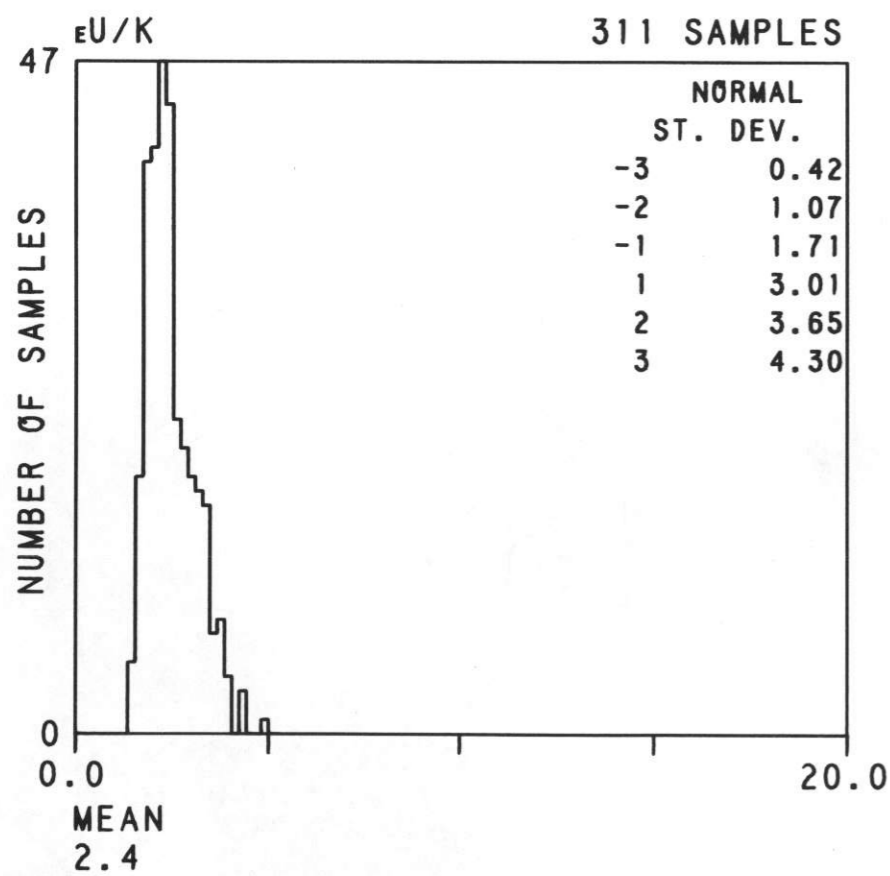
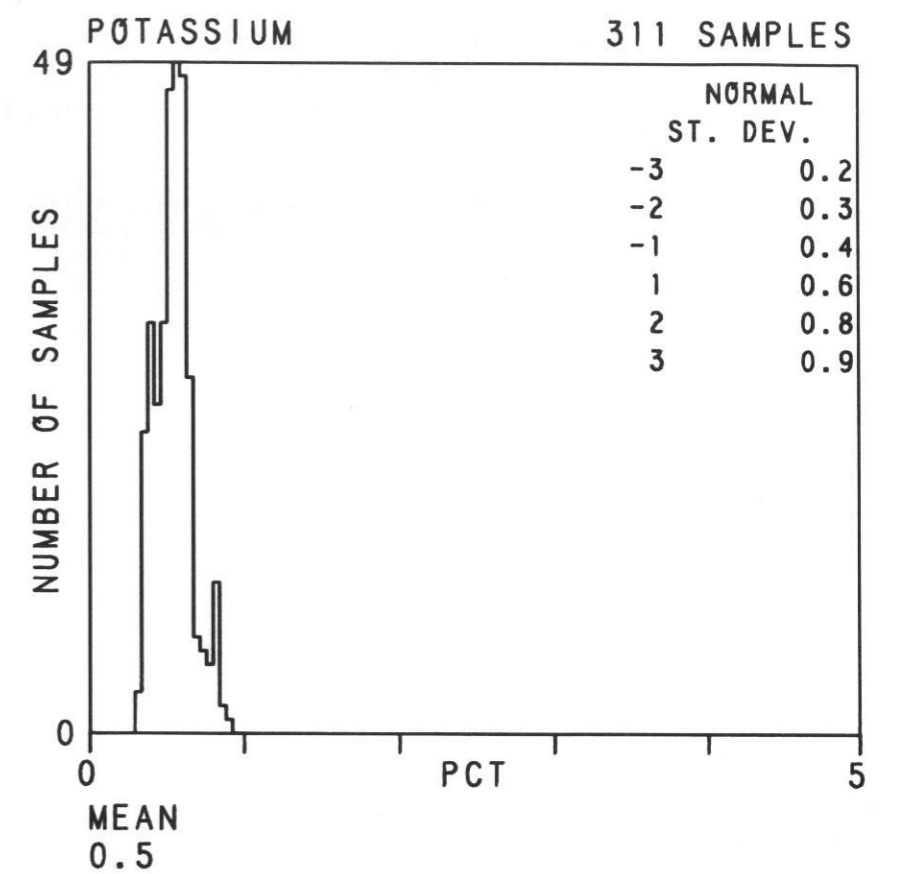
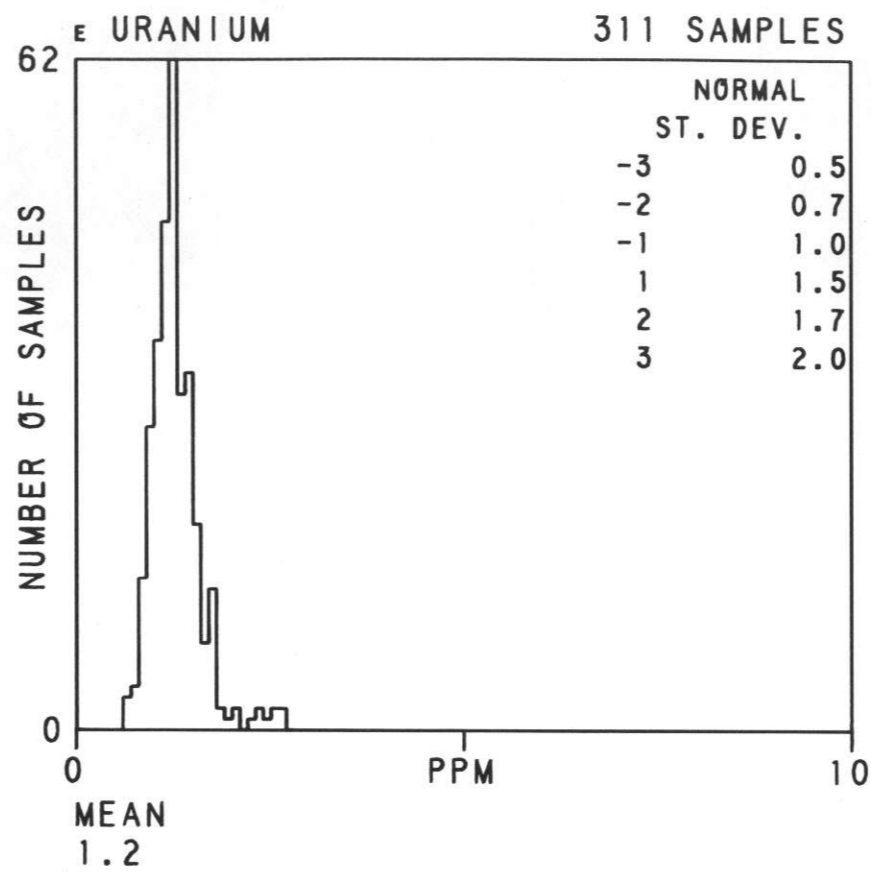
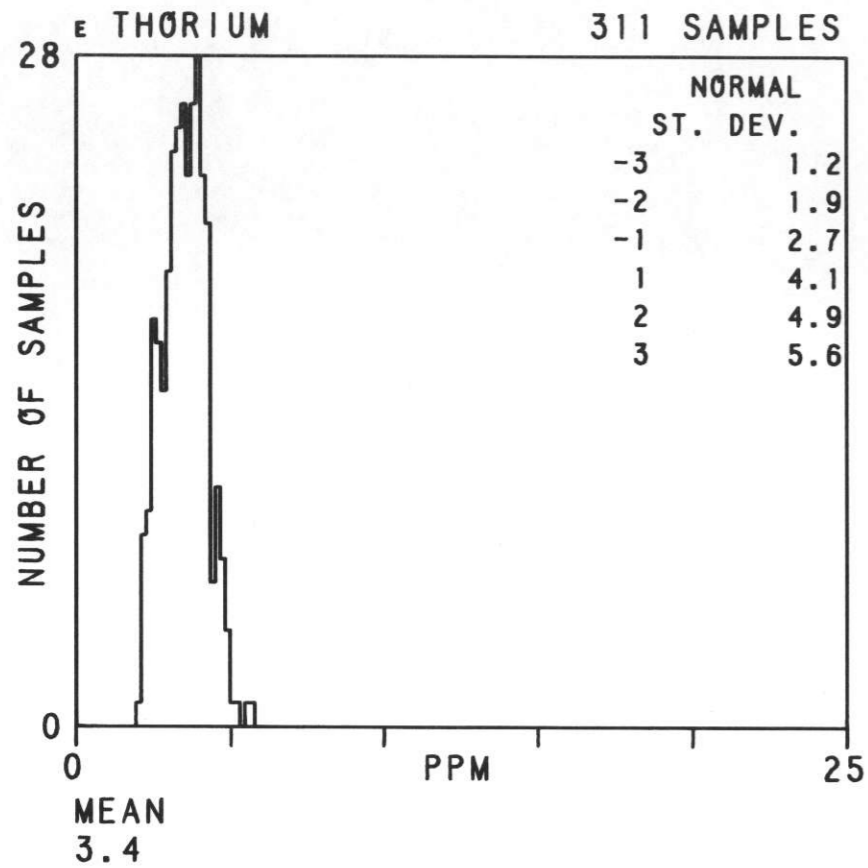


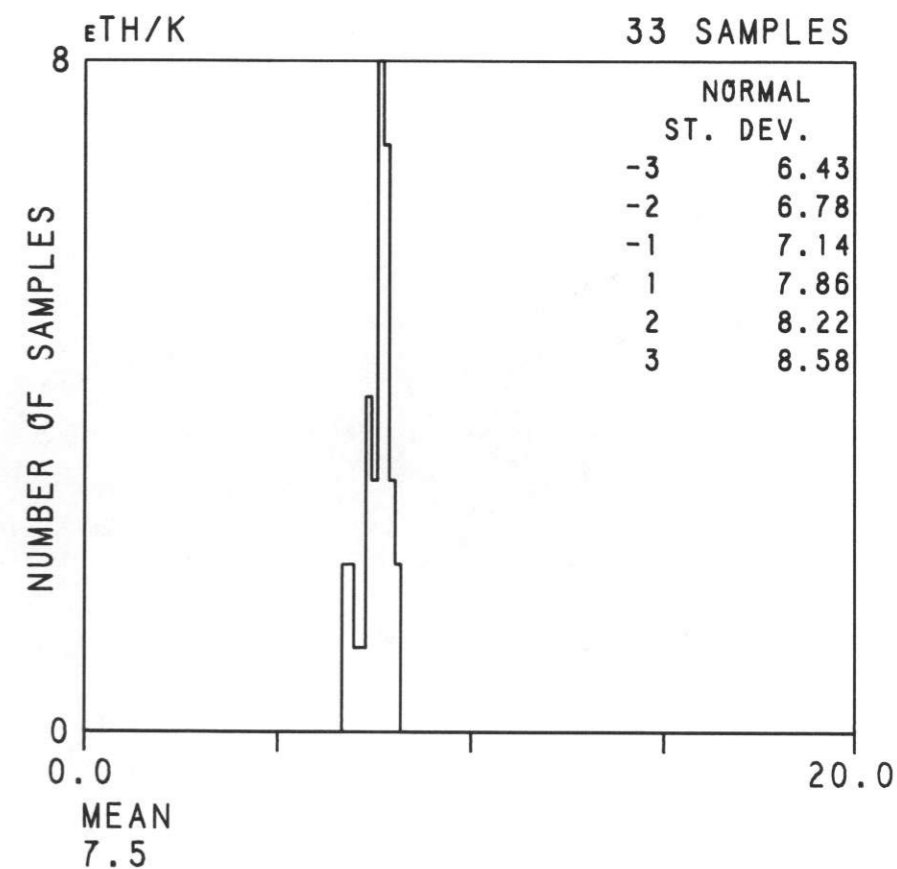
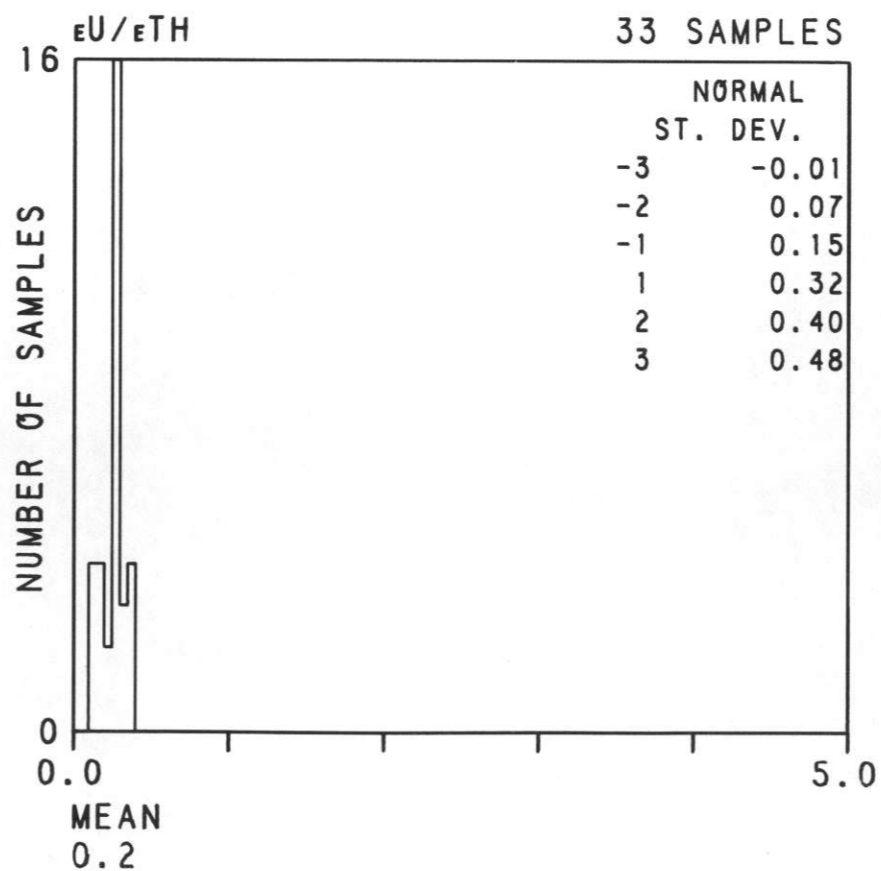
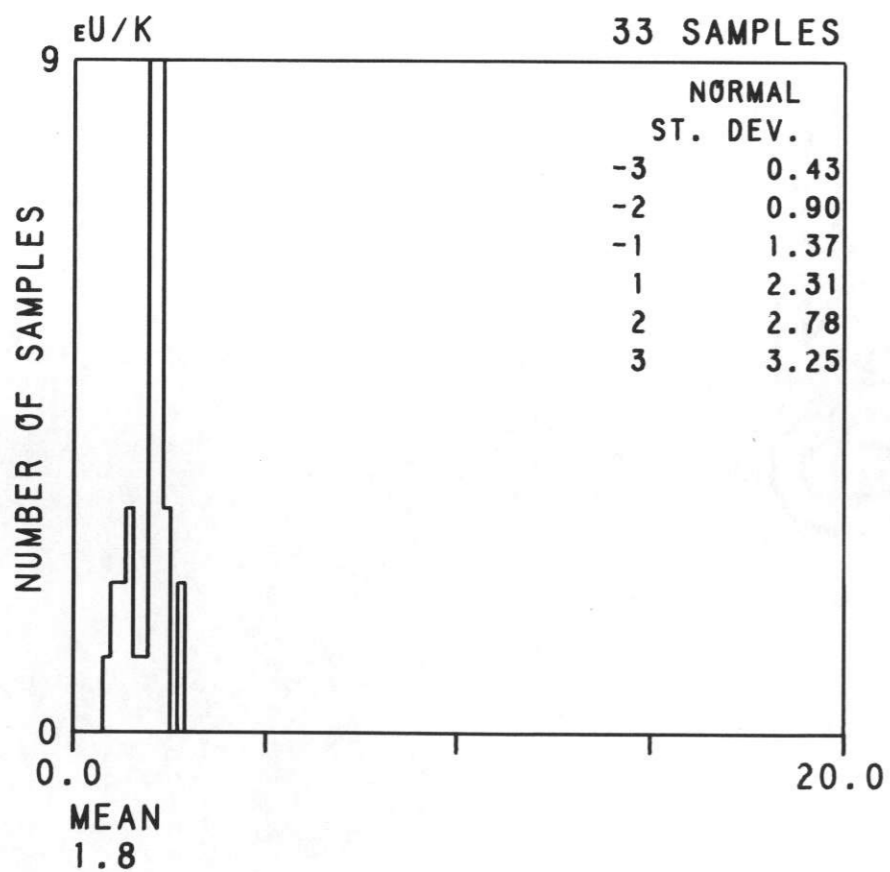
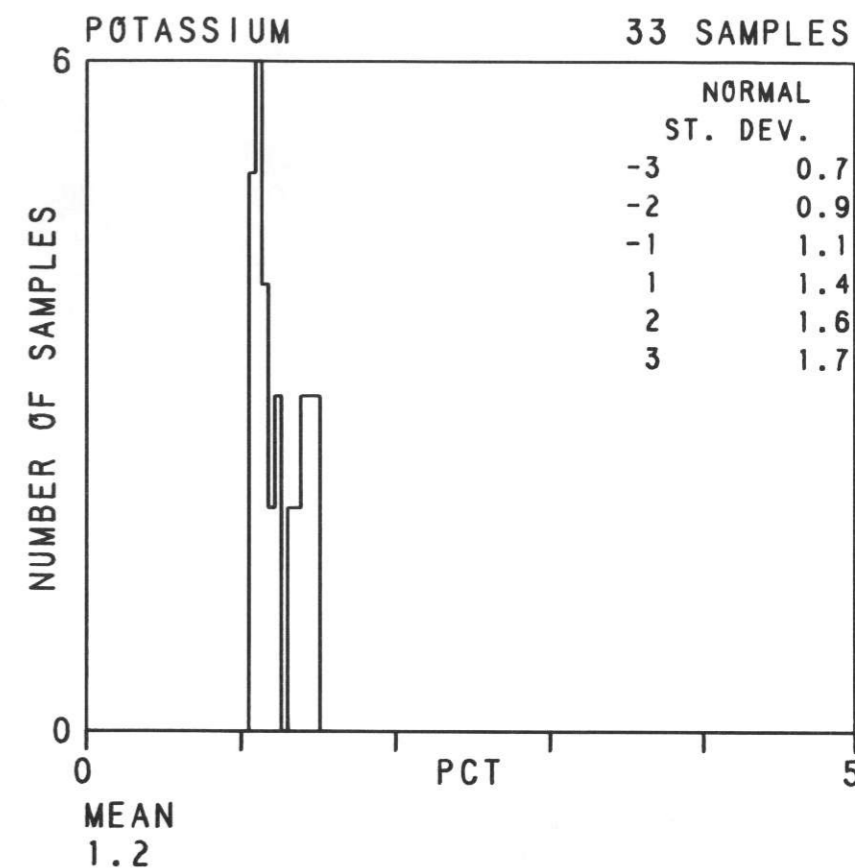
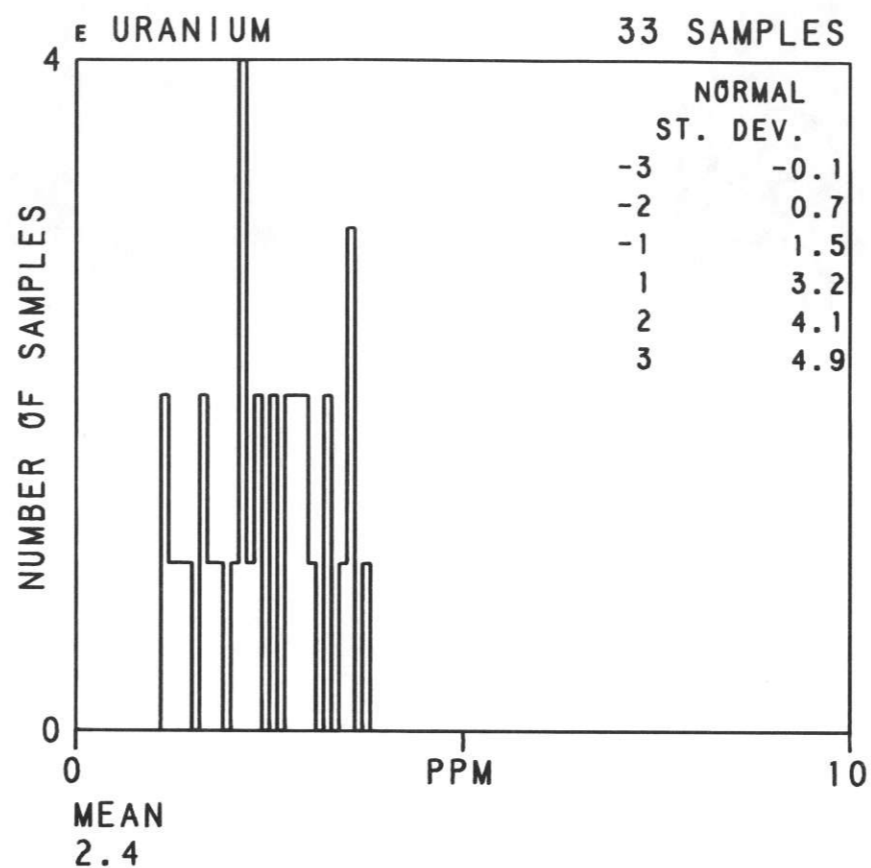
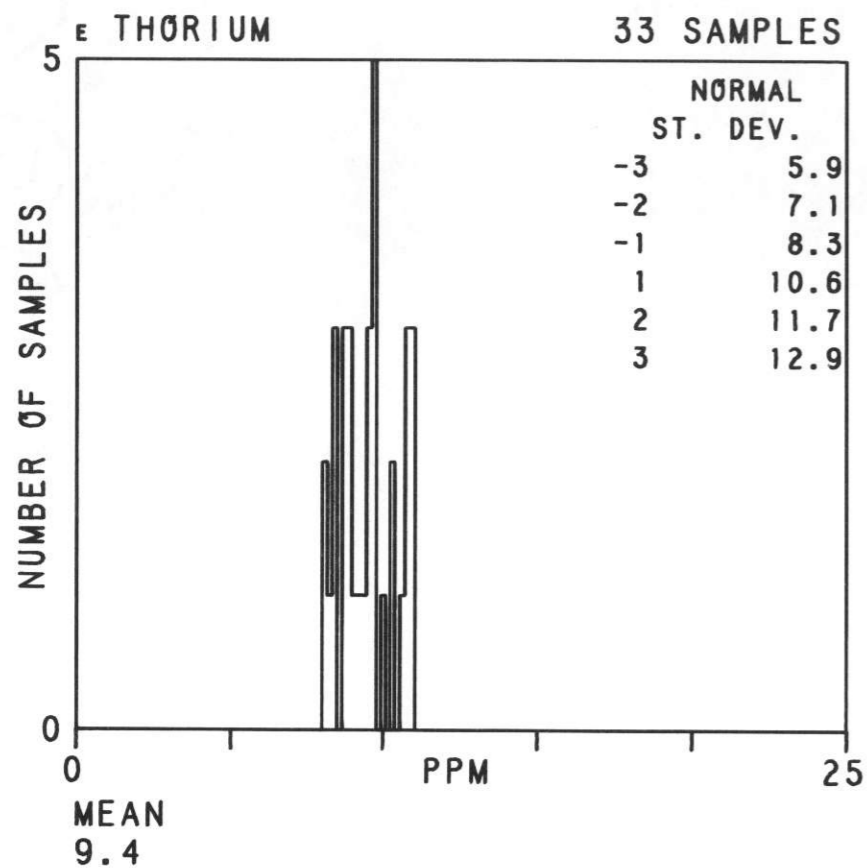


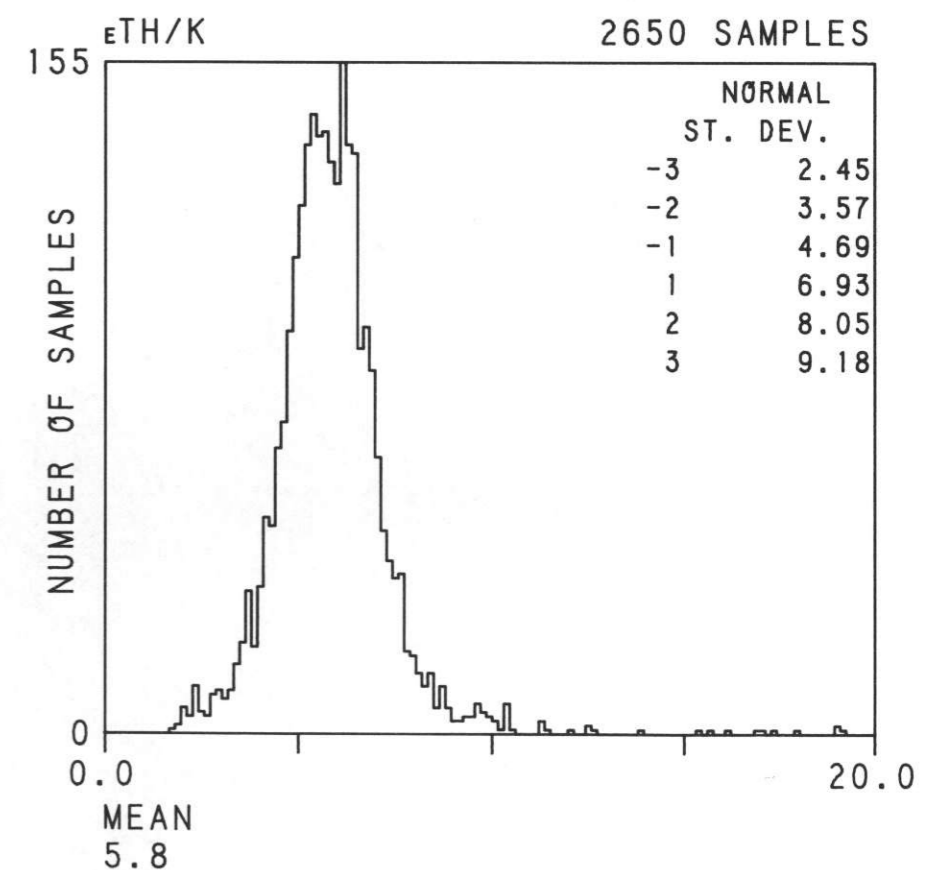
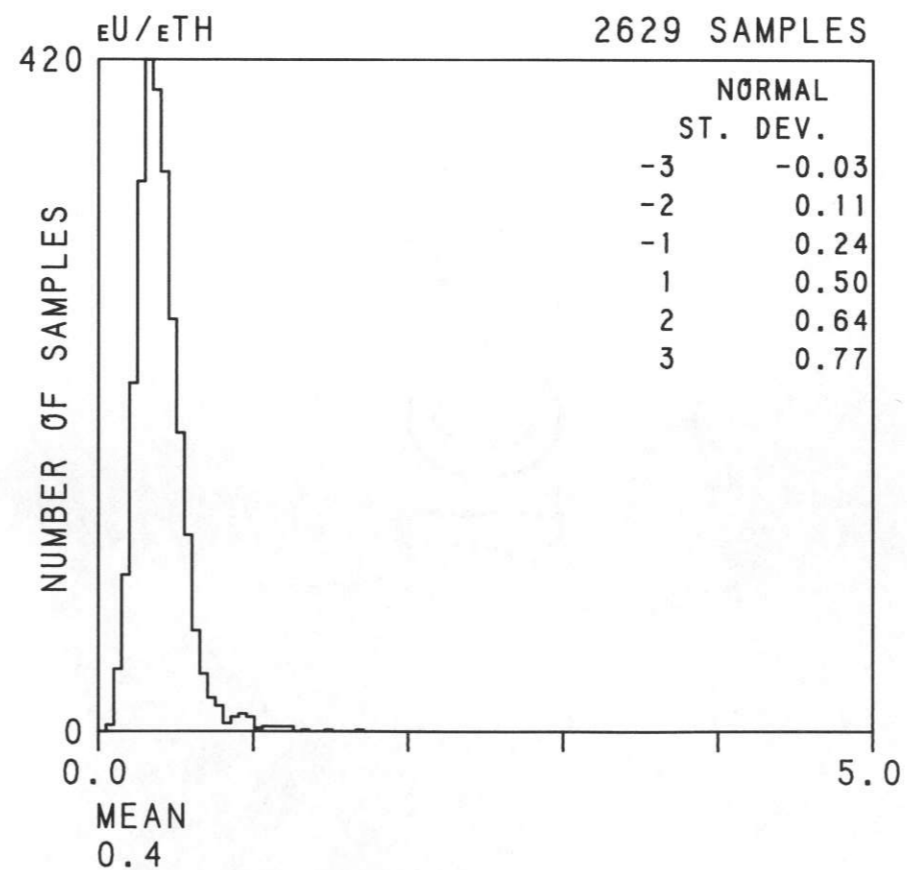
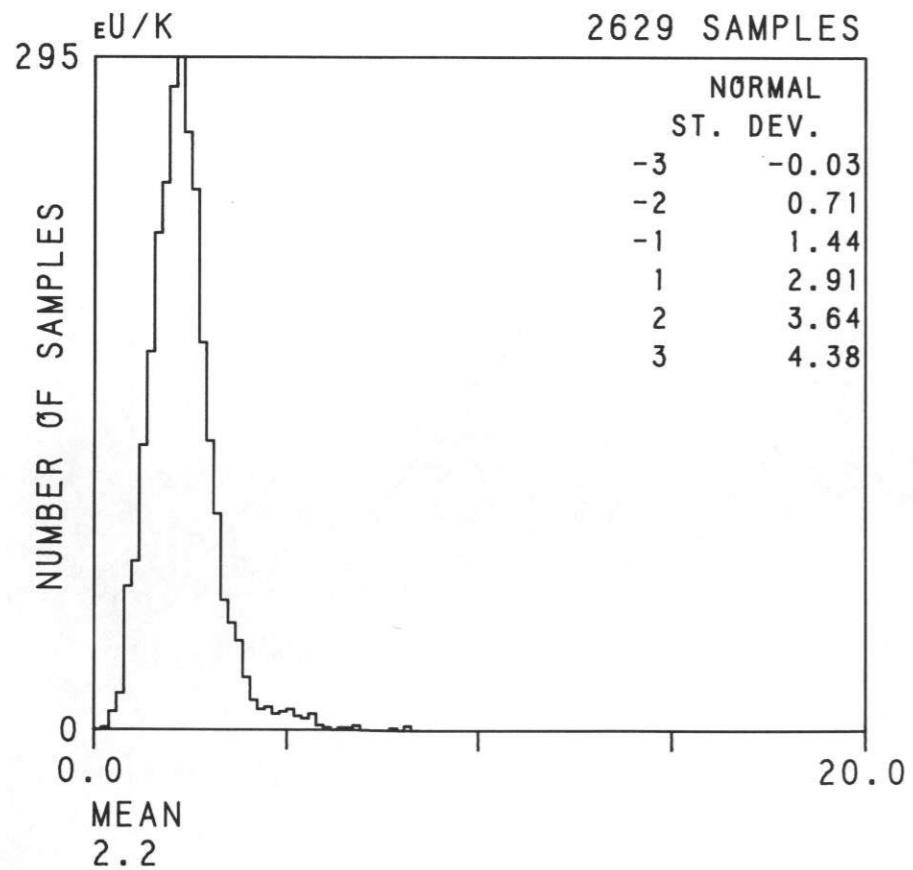
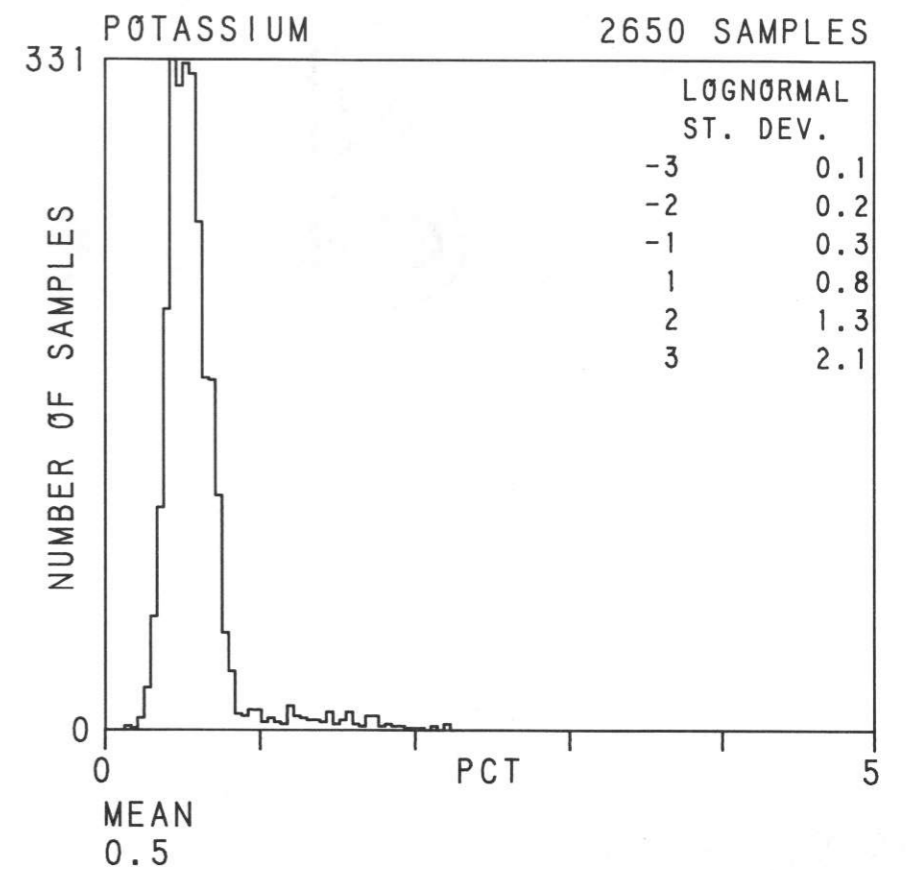
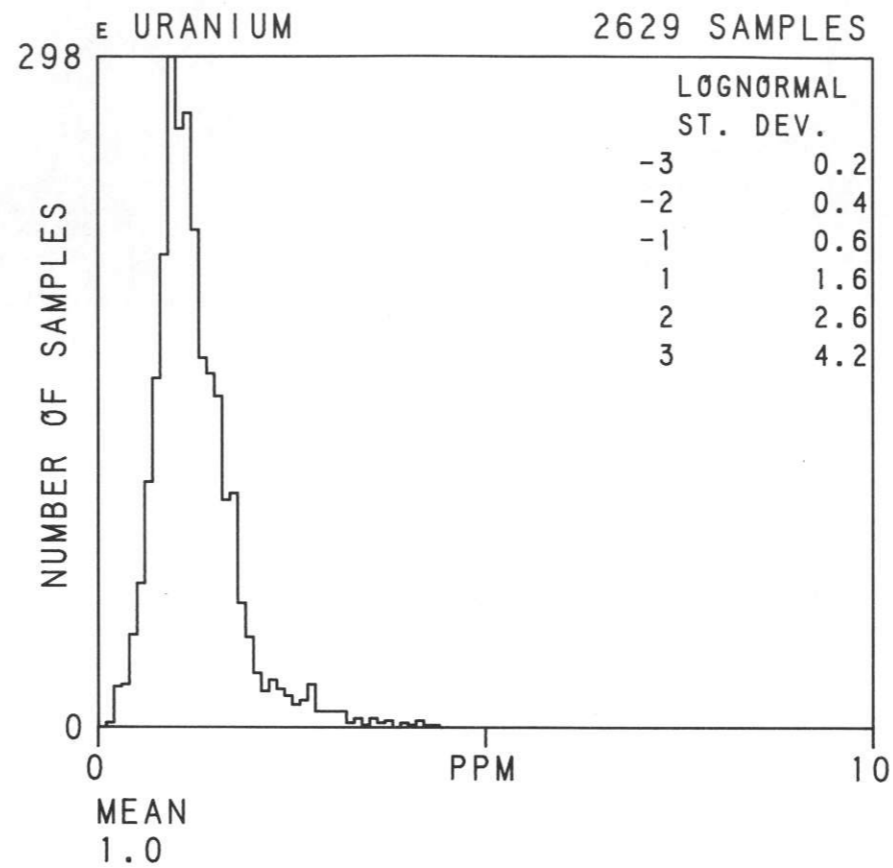
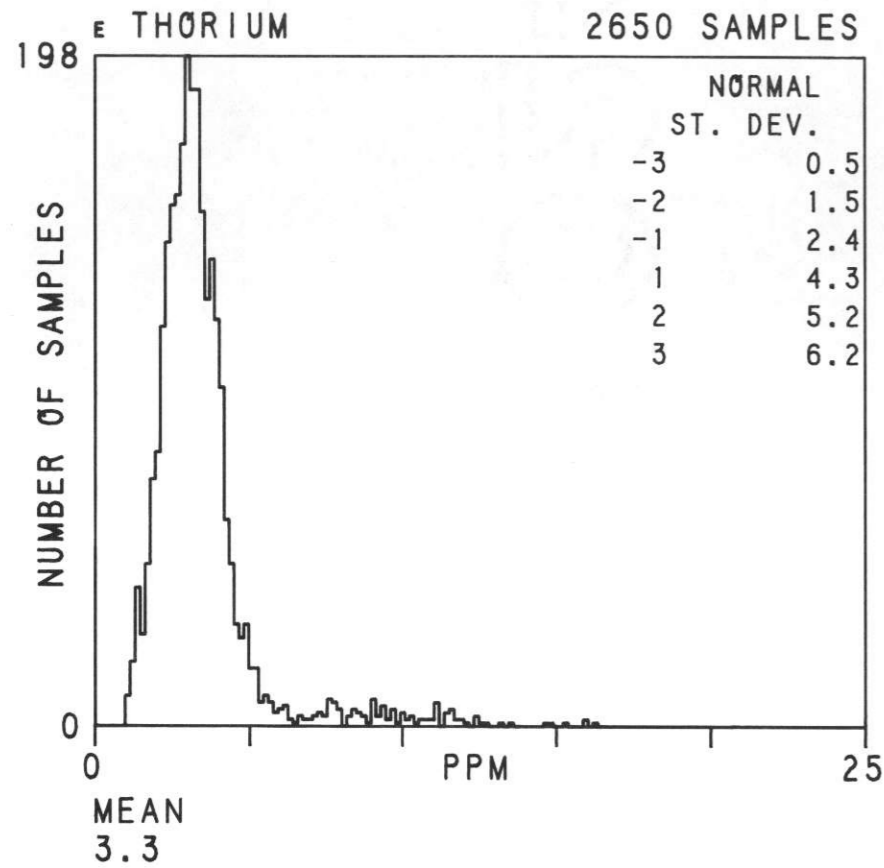


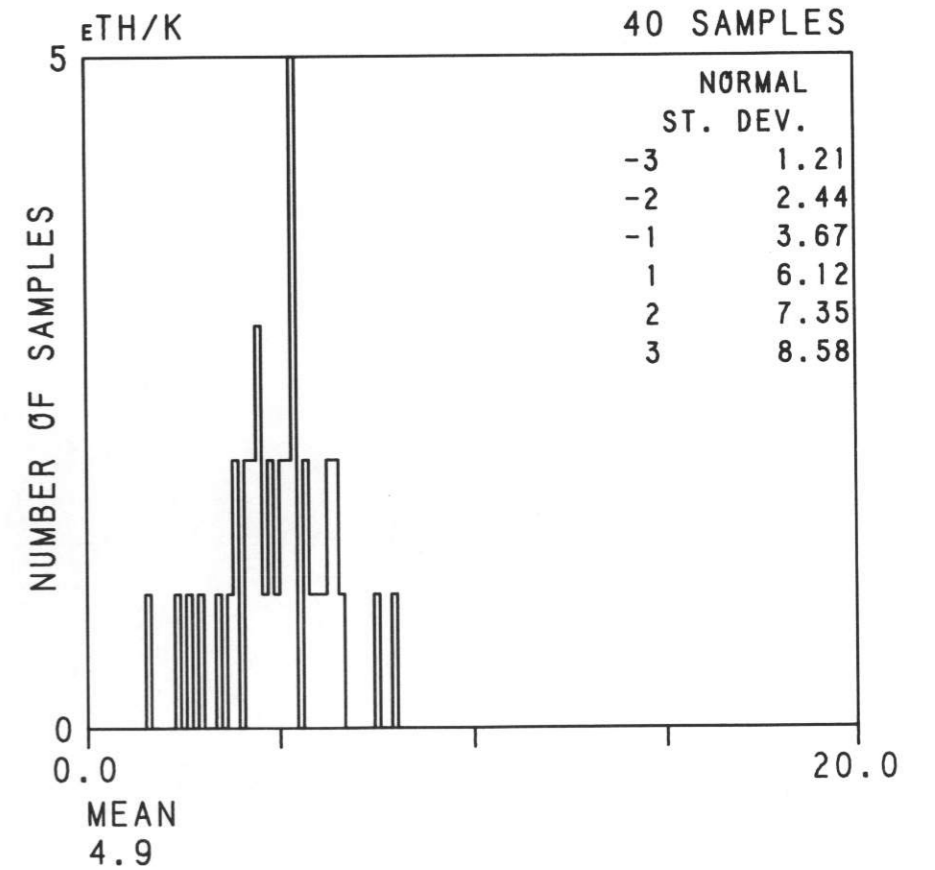
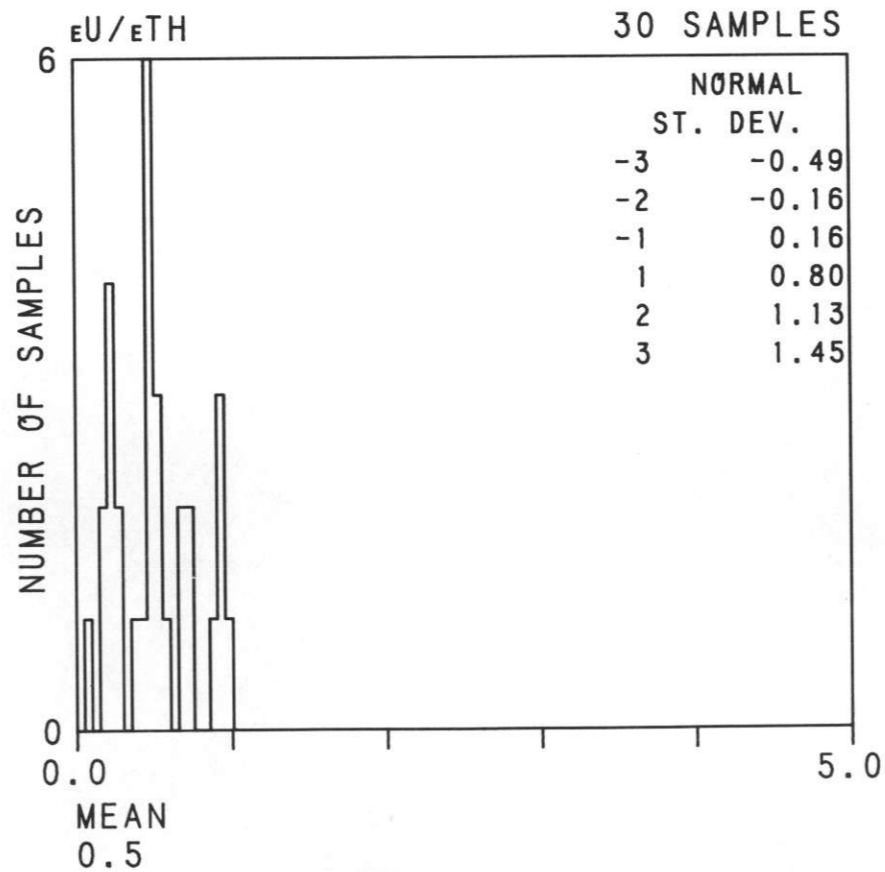
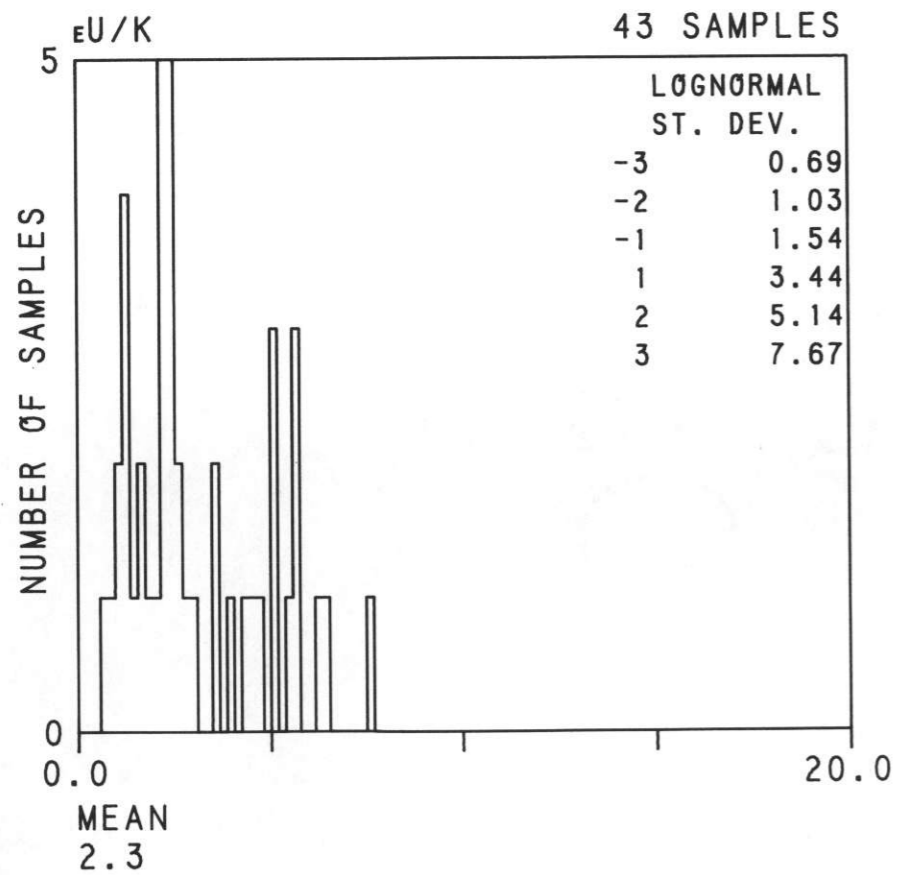
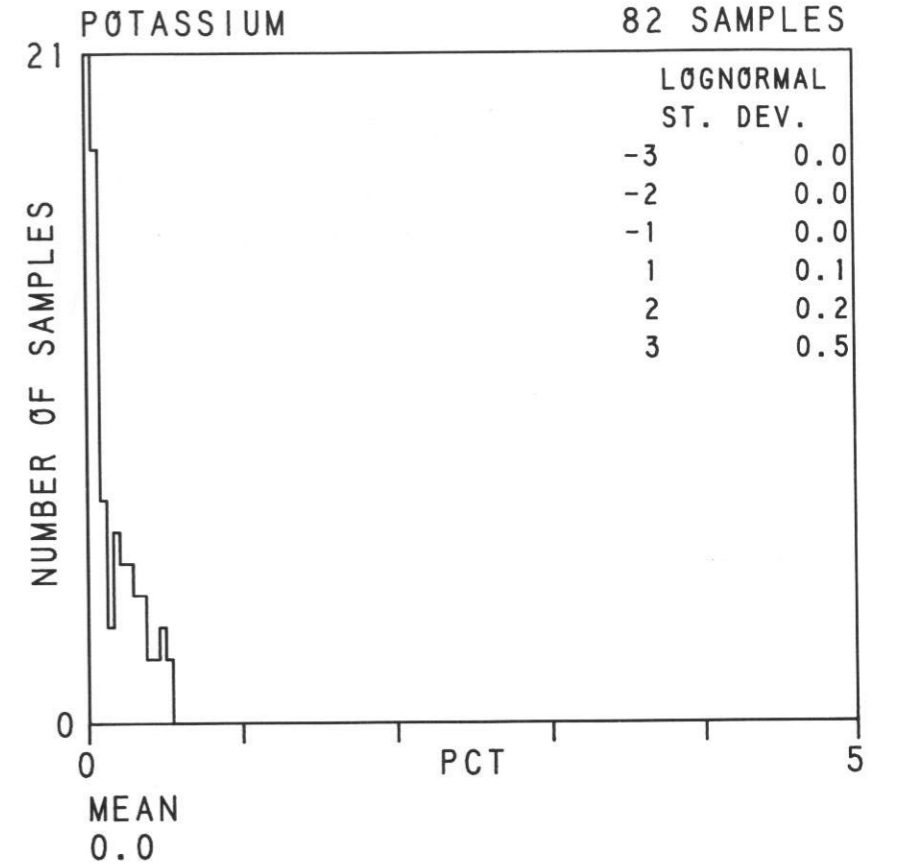
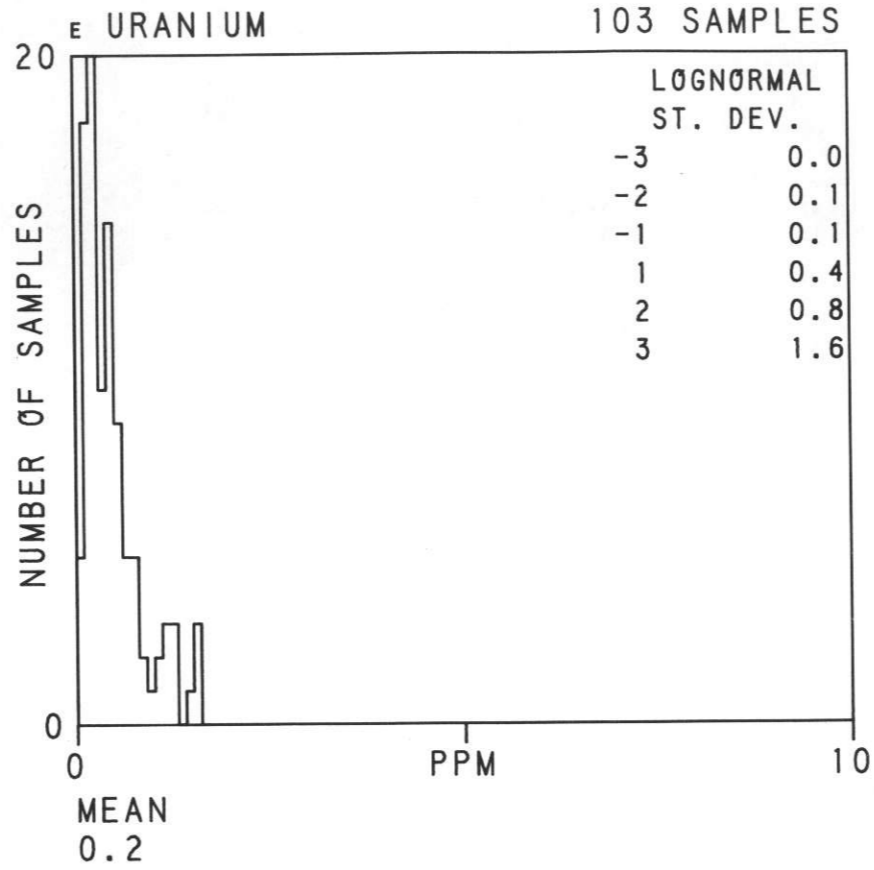
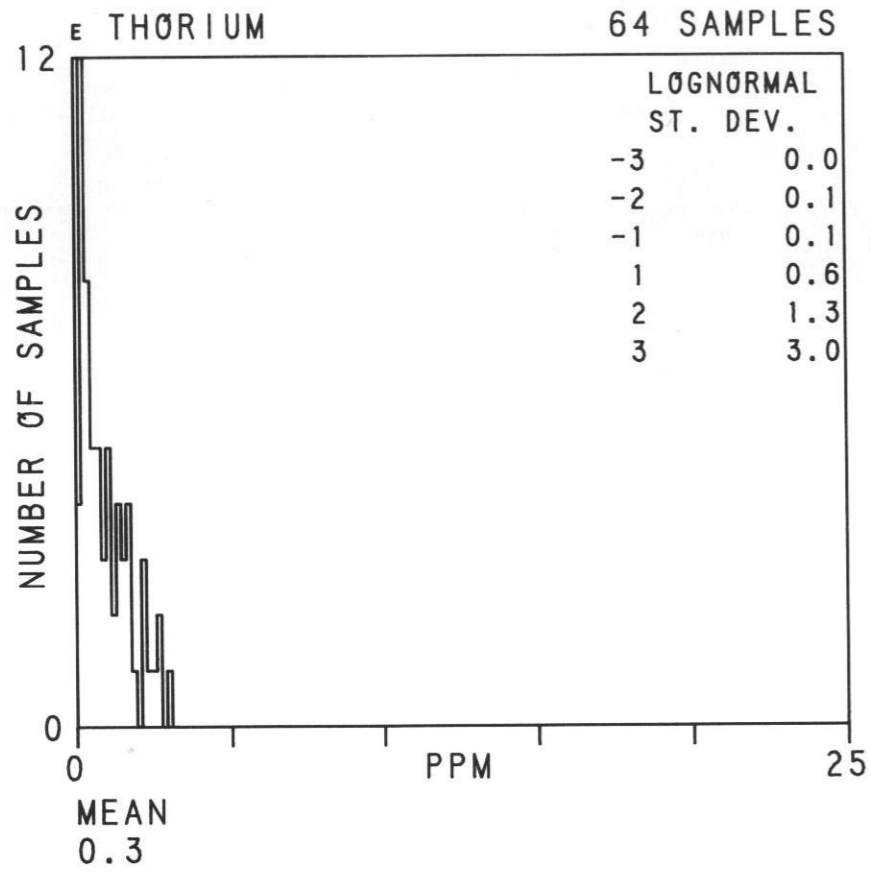


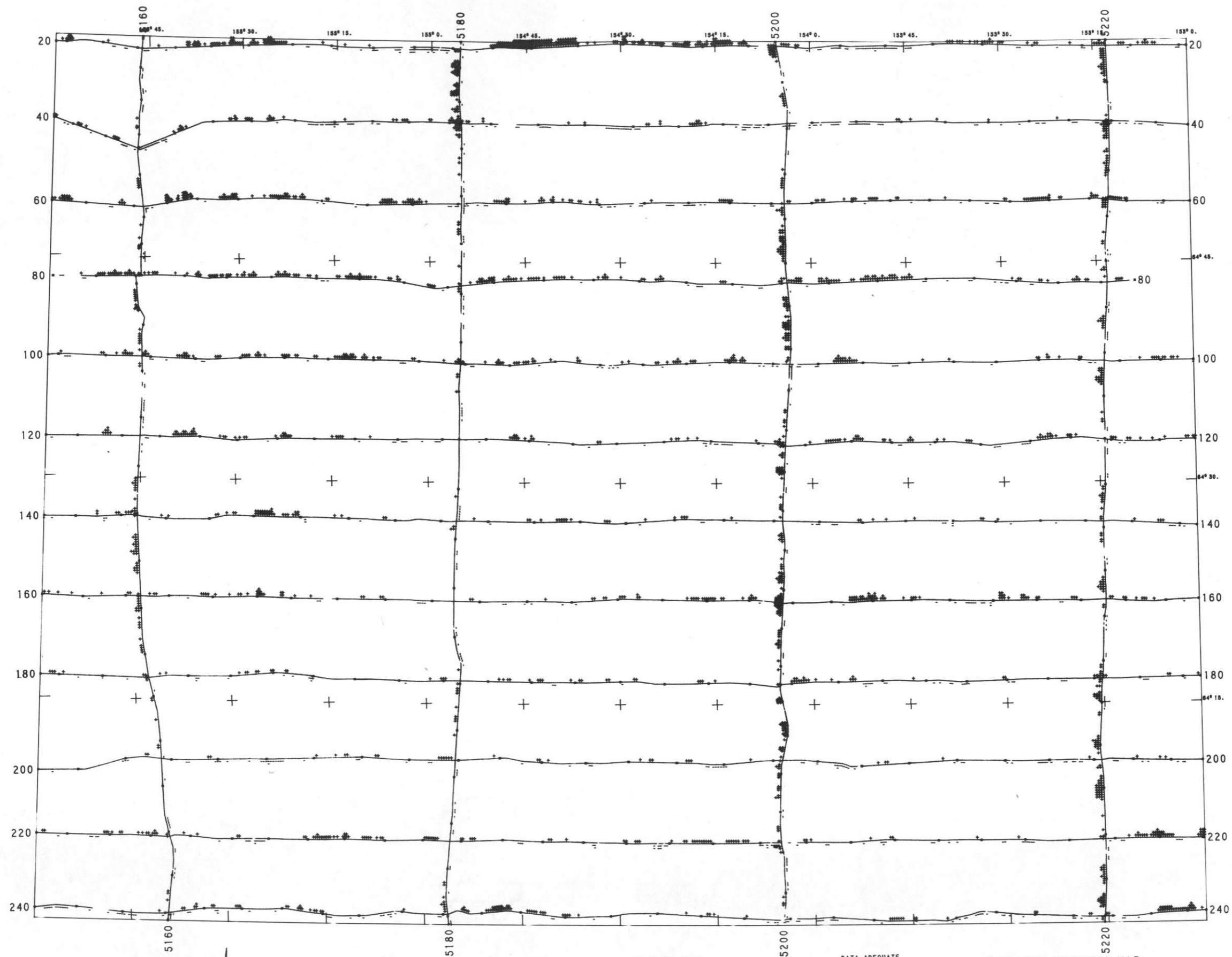




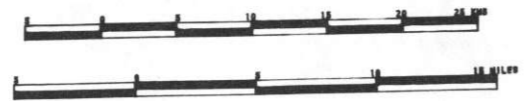








AERO SERVICE
HOUSTON, TEXAS 77001



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

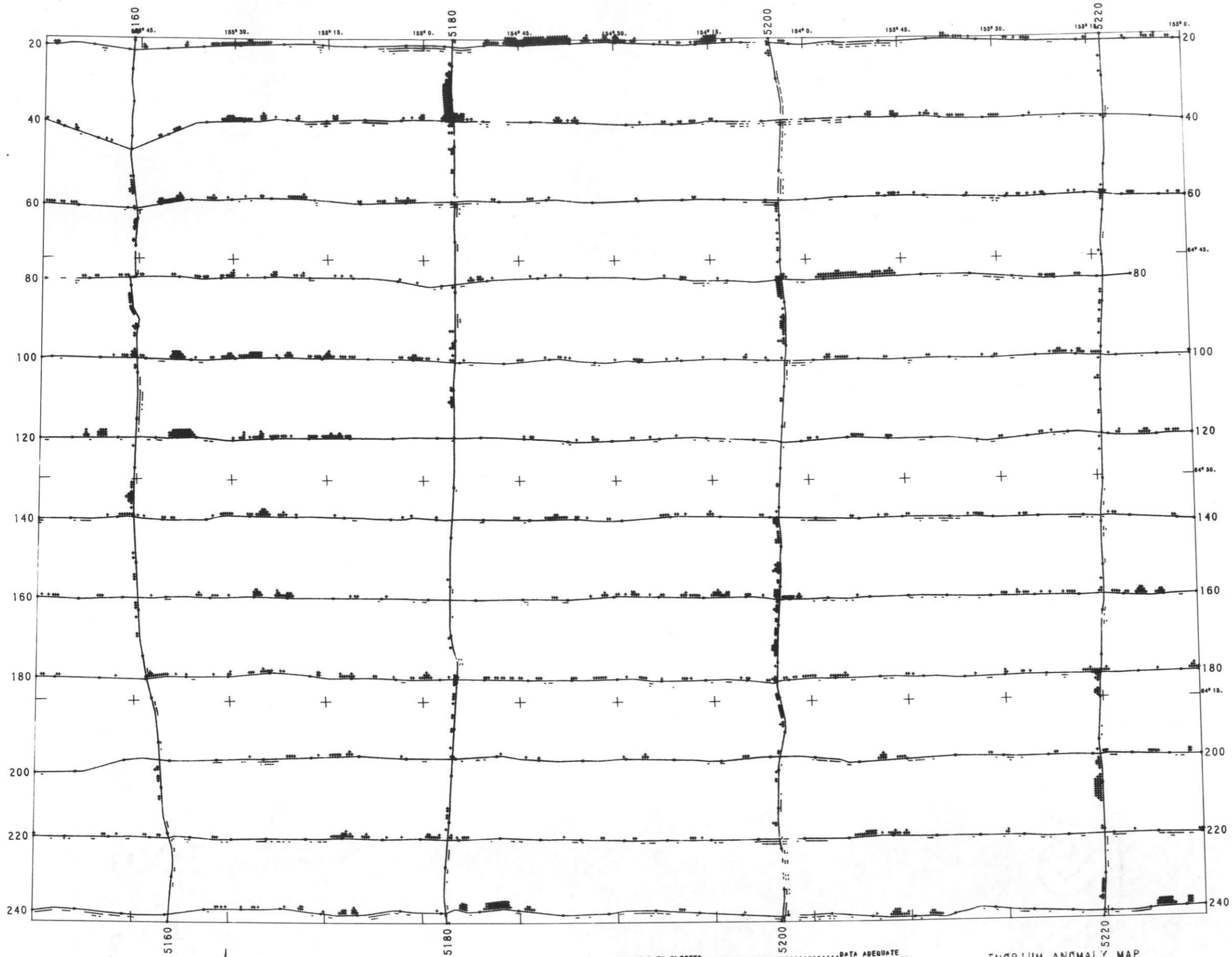
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 ABOVE MEAN
 ---..... COUNT RATE LOWER THAN 3,2,1 STANDARD DEVIATION(S)
 BELOW MEAN

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

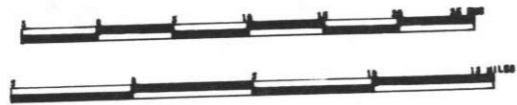
URANIUM ANOMALY MAP

RUBY

DOE/NURE



AERO SERVICE
HOUSTON, TEXAS 77061



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

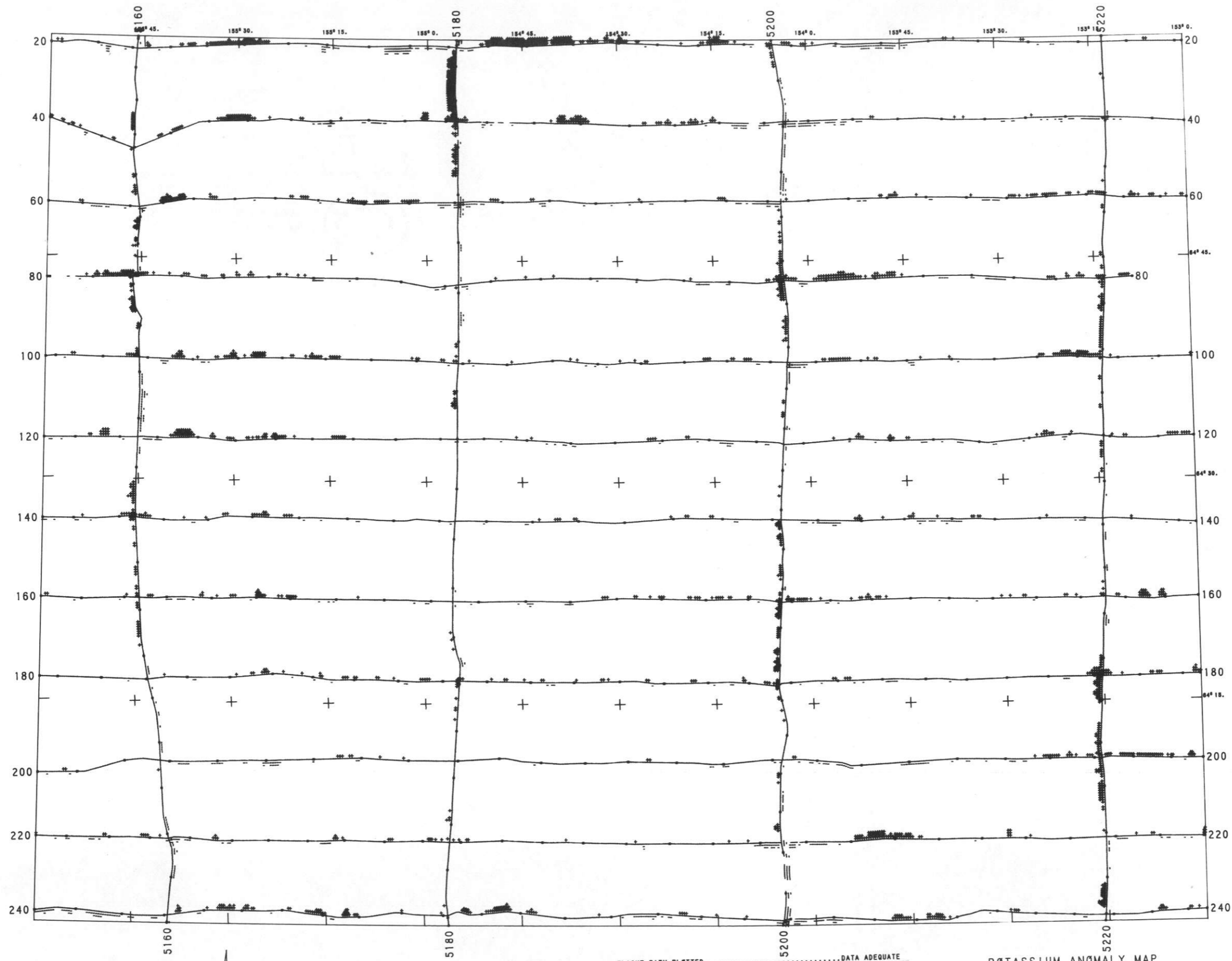
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+ +.....ABOVE MEAN
+ + +.....COUNT RATE LOWER THAN 3,2,1 STANDARD DEVIATION(%)
-.....BELOW MEAN

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

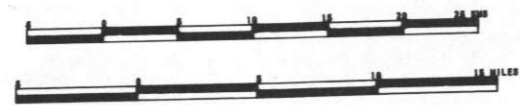
THORIUM ANOMALY MAP

RUBY

DOE/NURE



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HOUSTON, TEXAS 77001



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

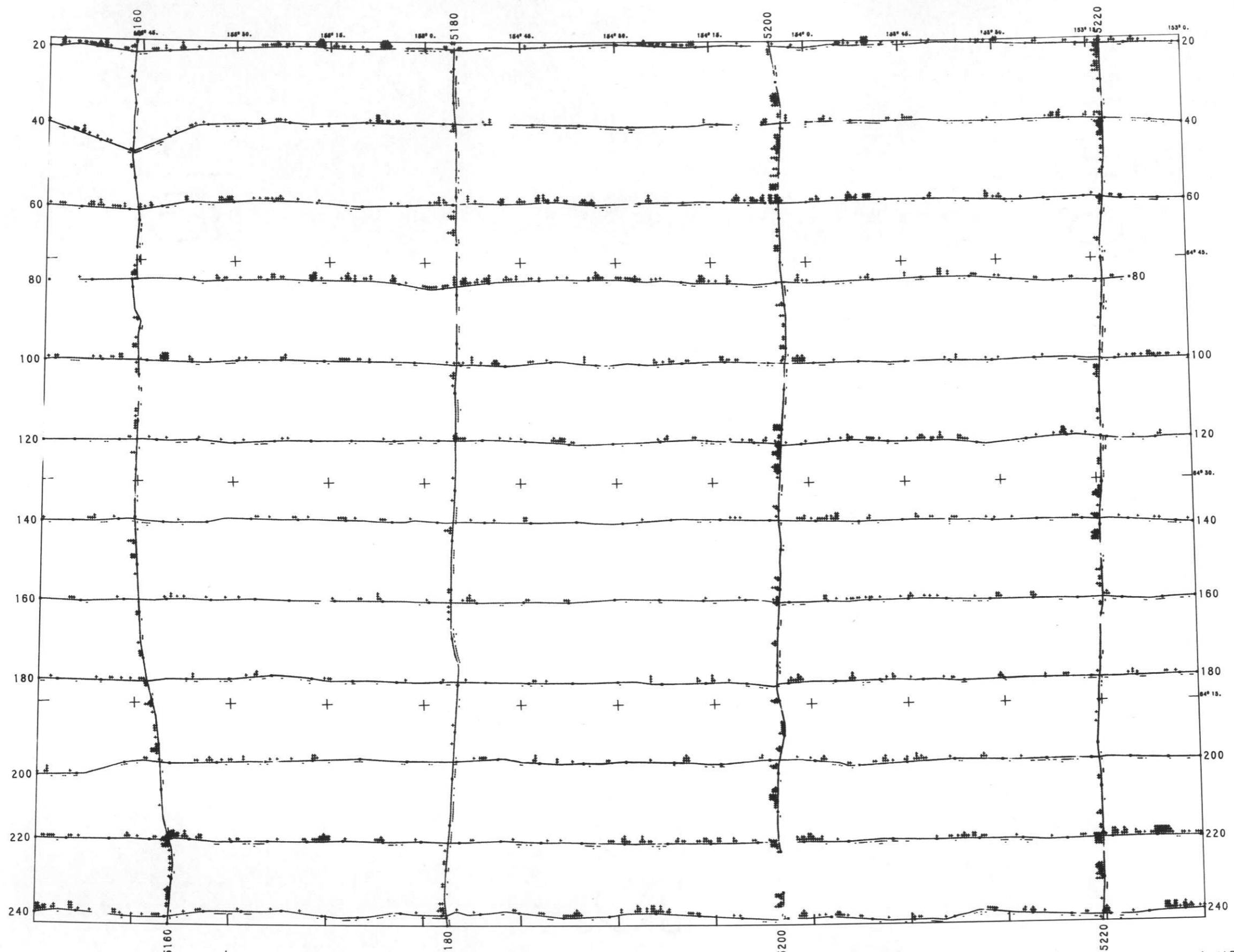
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ABOVE MEAN
+++..... COUNT RATE LOWER THAN 3,2,1 STANDARD DEVIATION(S)
BELOW MEAN

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

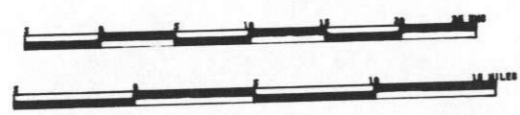
POTASSIUM ANOMALY MAP

RUBY

DOE/NURE



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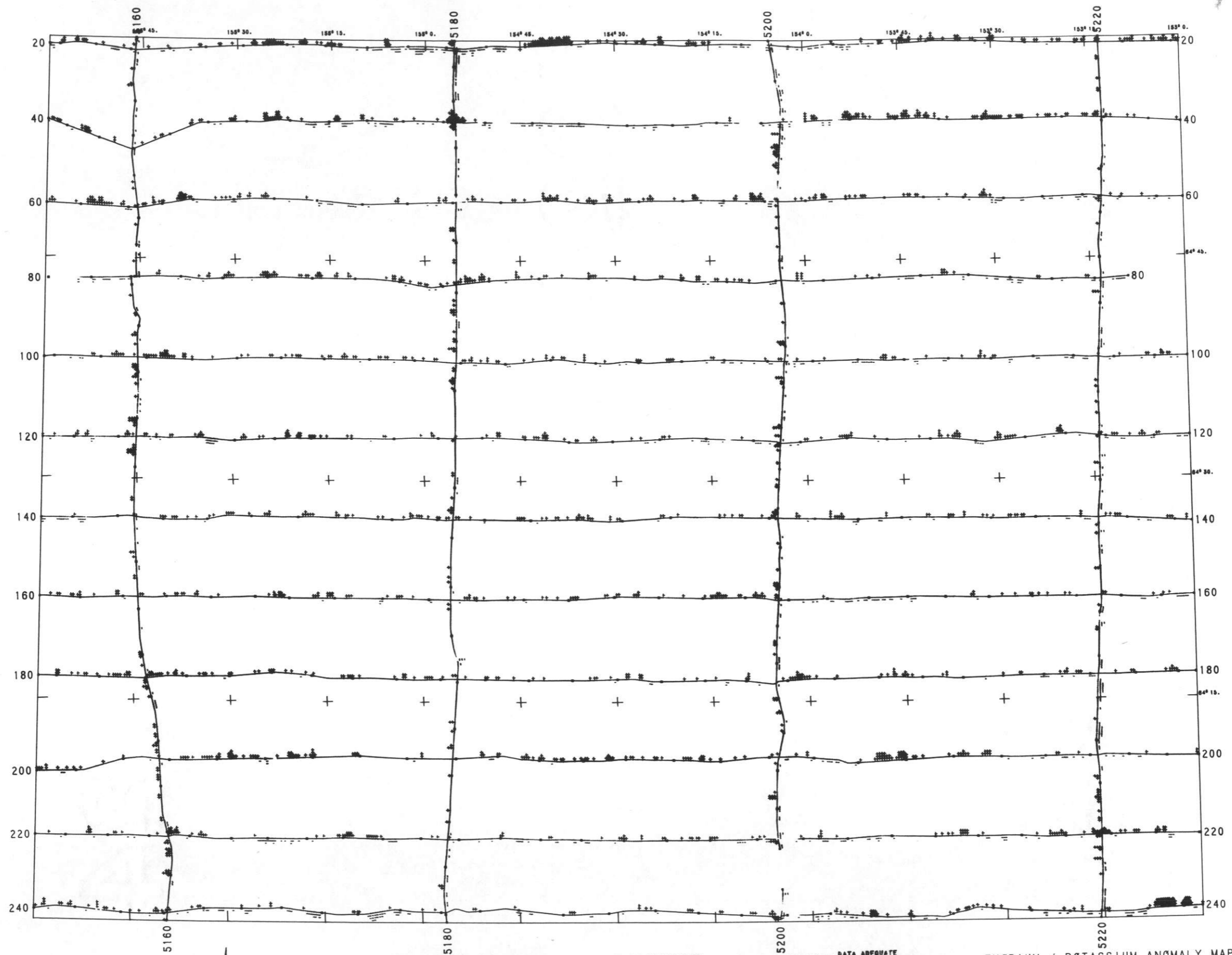


FLIGHT PATH PLOTTED..... DATA ADEQUATE
 FLIGHT PATH BLANK..... DATA INADEQUATE

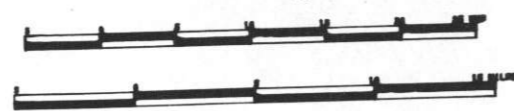
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 ABOVE MEAN
 + + COUNT RATE LOWER THAN 3.2, 1 STANDARD DEVIATION'S
 BELOW MEAN

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

URANIUM / POTASSIUM ANOMALY MAP
 RUBY
 DOE/NURE



AERO SERVICE
DARTON, TEXAS 77041



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

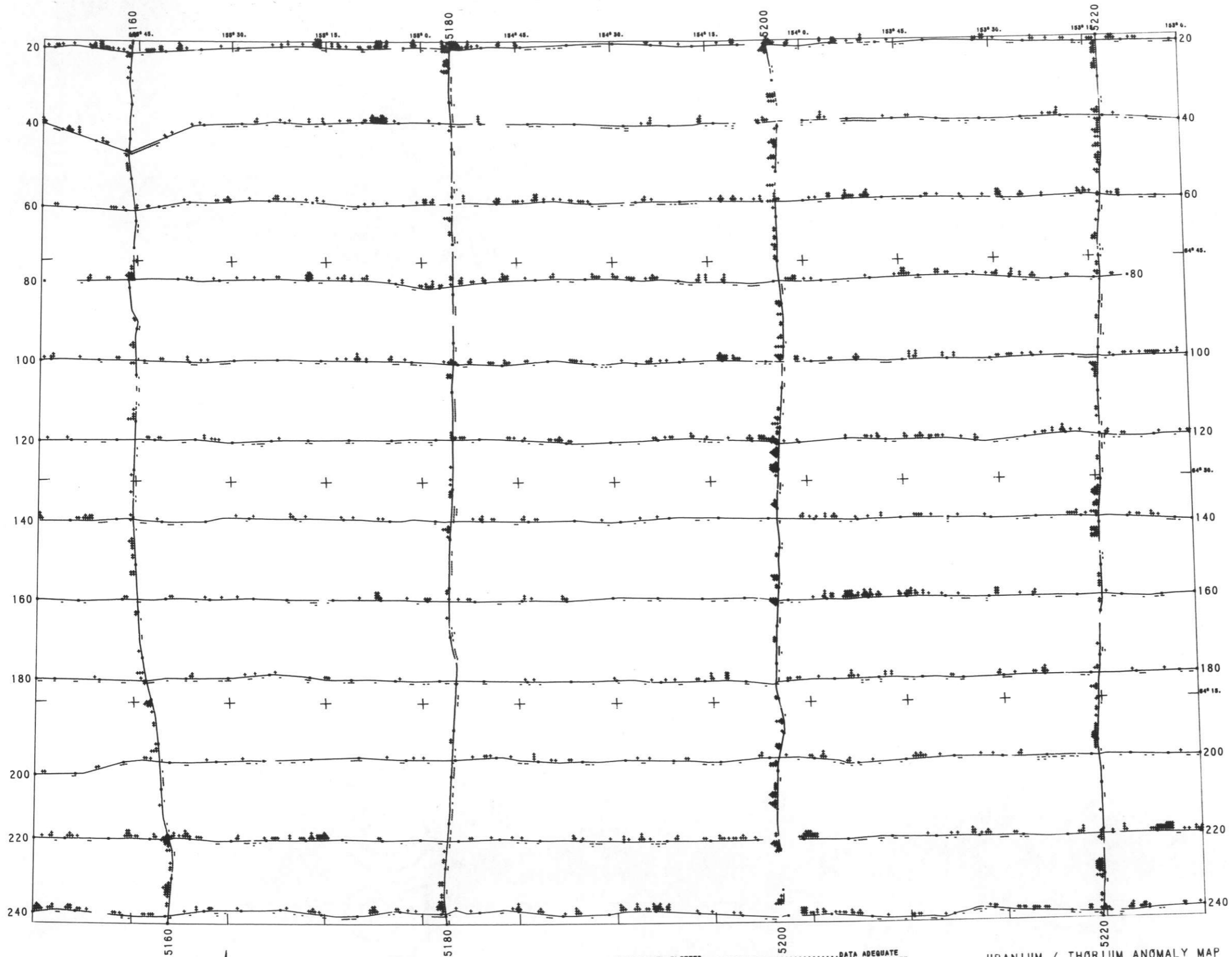
+..... COUNT RATE GREATER THAN 3.2,1 STANDARD DEVIATION(*)
*+..... ABOVE MEAN
+..... COUNT RATE LOWER THAN 3.2,1 STANDARD DEVIATION()
*+..... BELOW MEAN

NEITHER + NOR *..... COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
FLOW AND COMPILES..... 1979 - 1980

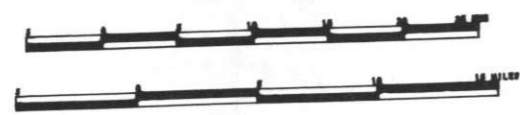
THORIUM / POTASSIUM ANOMALY MAP

RUBY

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HOUSTON, TEXAS 77001



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

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

URANIUM / THORIUM ANOMALY MAP

RUBY

DOE/NURE

