

Geology
GJBX-79-155

GJBX-155 '79

Airborne Gamma-Ray Spectrometer and Magnetometer Survey

Du Bois Quadrangle
(Idaho, Montana)

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. 78-179-L

Project No. 40-78-4131

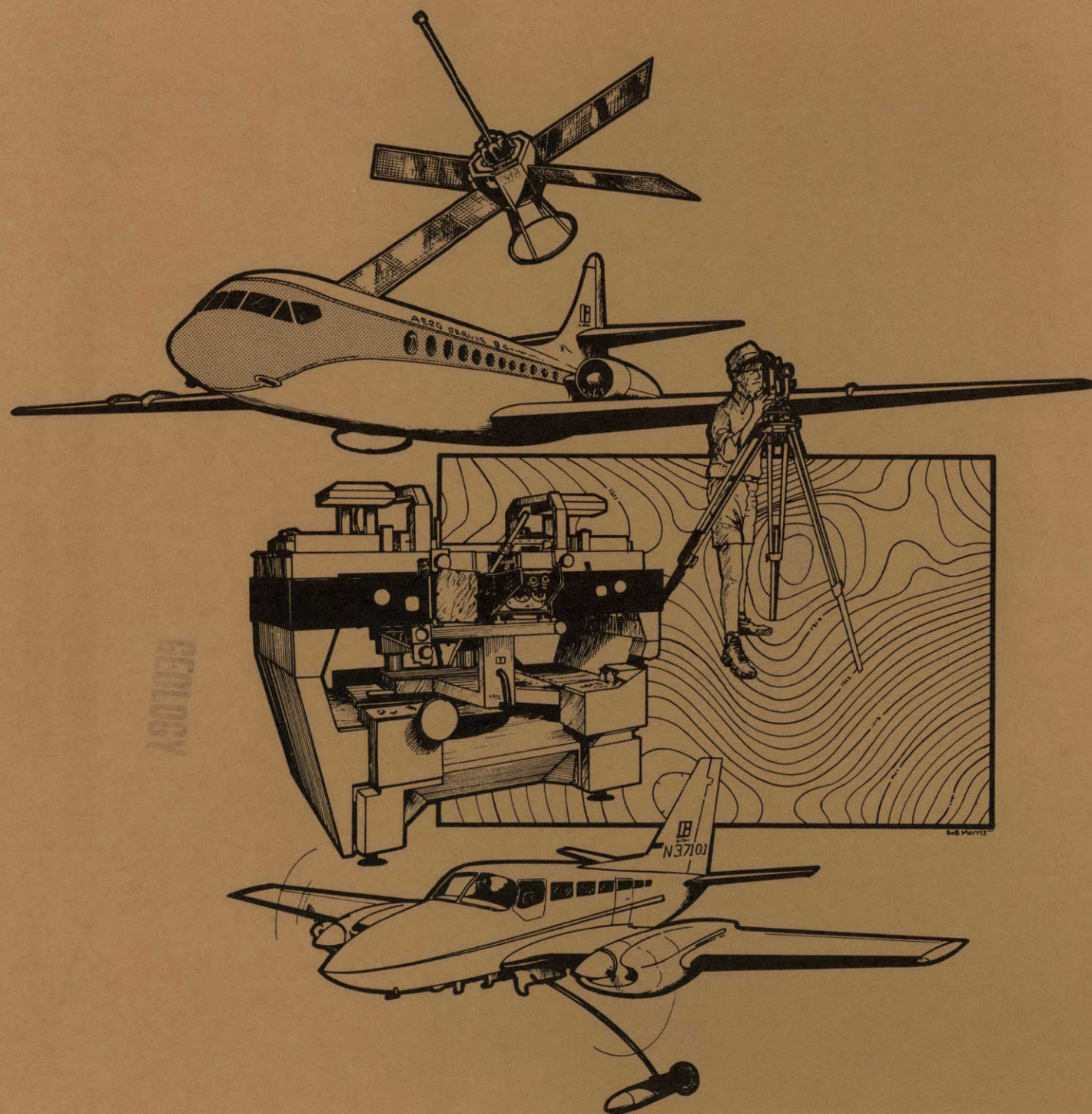
July 1979

by

Aero Service Division

Western Geophysical Company of America

Houston, Texas 77001



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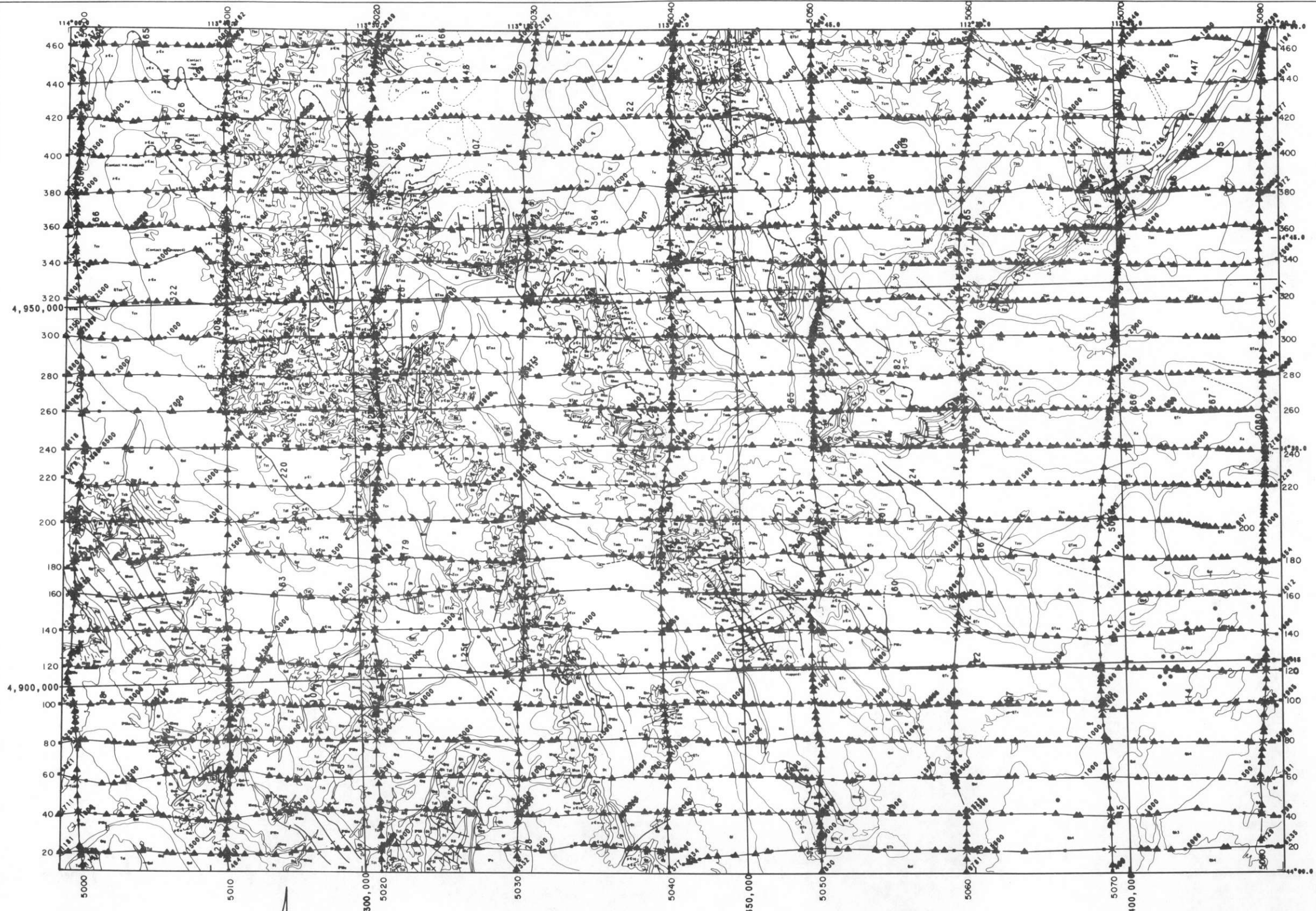
<u>AERO UNIT</u>	<u>MAP UNIT</u>	
OU	Ou;Os	: Undivided Ordovician; Summer-house formation
OSM	Osm	: Saturday Mountain formation
OK	Ok	: Kinnikinic formation
CU	-Cu	: Undivided Cambrian
PCW	p-Cw	: Precambrian Z, Wilbert formation
PCU	p-Cu	: Undivided Precambrian Y
PCSQ	p-Csq;p-Csa	: Swauger quartzite; argillaceous beds
PCL	p-Cl	: Lemhi group, undivided
PCGS	p-Cgs	: Gunsight fm. of Lemhi group
PCAC	p-Cac	: Apple Creek fm. of Lemhi group
PCBC	p-Cbc	: Big Creek fm. of Lemhi group
PCLQ	p-CLq	: Lemhi quartzite
PCY	p-Cy	: Yellowjacket formation
PCD	p-Cd;p-Cp	: Dillon granite gneiss; Pony group
W		: Water

DUBOIS

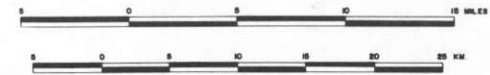
G E O L O G I C L E G E N D

<u>AERO UNIT</u>	<u>MAP UNIT</u>		<u>AERO UNIT</u>	<u>MAP UNIT</u>	
QAL	Qal;Qu	: Quaternary alluvium; undivided deposits	TCV	Tcv;Tcl;Tcb;Tct	: Challis volcanics; latite and andesite; basalt; tuff
QLS	Qls	: Landslide deposits.	TBH	Tbh	: Beaverhead conglomerate
QF	Qf;Qc;Qt	: Fan deposits; colluvium; talus	MZU	MZu;Ka;Kk Ku	: Mesozoic deposits, undivided; Aspen fm.; Kootenai fm.; undivided Cretaceous
QPG	Qpg	: Pediment gravel	JU	Ju	: Undivided Jurassic
QG	Qg	: Glacial deposits	TRu	Ru;Rw	: Undivided Triassic; Woodside formation
QTG	Qtg	: Terrace gravels	TRT	Rt	: Thaynes formation
QD	Qd	: Sand dunes	TRD	Rd	: Dinwoody formation
QSR	Qsr;Qb3;Qb4; Qts	: Snake River basalt; basalt flows in stratigraphic order	PU	Pu;Ppc	: Undivided Permian; Park City formation
QTOA	QToa	: Older alluvial deposits	PP	Pp	: Phosphoria formation
QTV	QTv	: Undivided Quaternary/Tertiary volcanics	PMU	PMu	: Undivided Permian to Mississippian
TU	Tu	: Undivided Tertiary	PPU	Pu;Ppw	: Undivided Pennsylvanian; Wood River formation
TDF	Tdf	: Donkey fanglomerate	PPMU	PMu;PMl	: Undivided Upper Pennsylvanian and Mississippian; Scott Peak, South Creek and Surrect Canyon formations
TESR	Tesr	: Edie School rhyolite	MU	Mu	: Undivided Mississippian; includes many Mississippian formations and groups
TT	Tt	: Tuff and tuffaceous conglomerate	DU	Du;Dt;Dj;Dg; Dtj	: Undivided Devonian, Three Forks limestones; Jefferson dolomite; Grandview dolomite; Three Forks and Jefferson, undivided
TMLS	Tmls	: Medicine Lodge beds	PZL	Pz1;DOu;SOs	: Undivided Lower Paleozoic; undivided Devonian to Ordovician; Silurian and Saturday Mountain formation
TMLV	Tmlv	: Medicine Lodge volcanics	SL	S1	: Laketown Dolomite
TKT	Tkt	: Kirtly formation	SOBG	SObg;SObl	: Beaverhead pluton granite; leucosyenite
TB	Tb	: Blacktail Deer Creek formation			
TBB	Tbb	: Blacktail Deer Creek basalts			
TV	Tv	: Undivided Tertiary volcanics			
TI	Ti;Tg;Tgd; Td	: Intrusives; granite; granodiorite; diorite			
TCY	Tcy	: Yearian volcanics			
TCH	Tch	: Cheney volcanics			
TGS	Tgs	: Geerston formation			
TKN	Tkn	: Kenney formation			
TMCB	Tmcb	: Muddy Creek beds			
TC	Tc	: Cook Ranch formation			
TCRV	Tcrv	: Cook Ranch volcanics			

DUBOIS, IDAHO-MONTANA

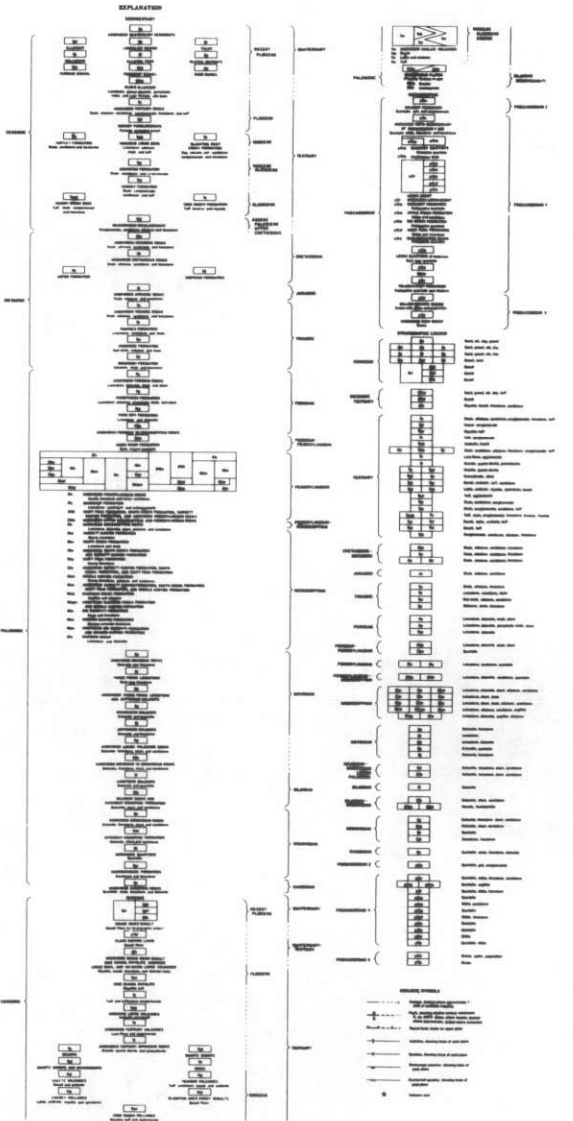


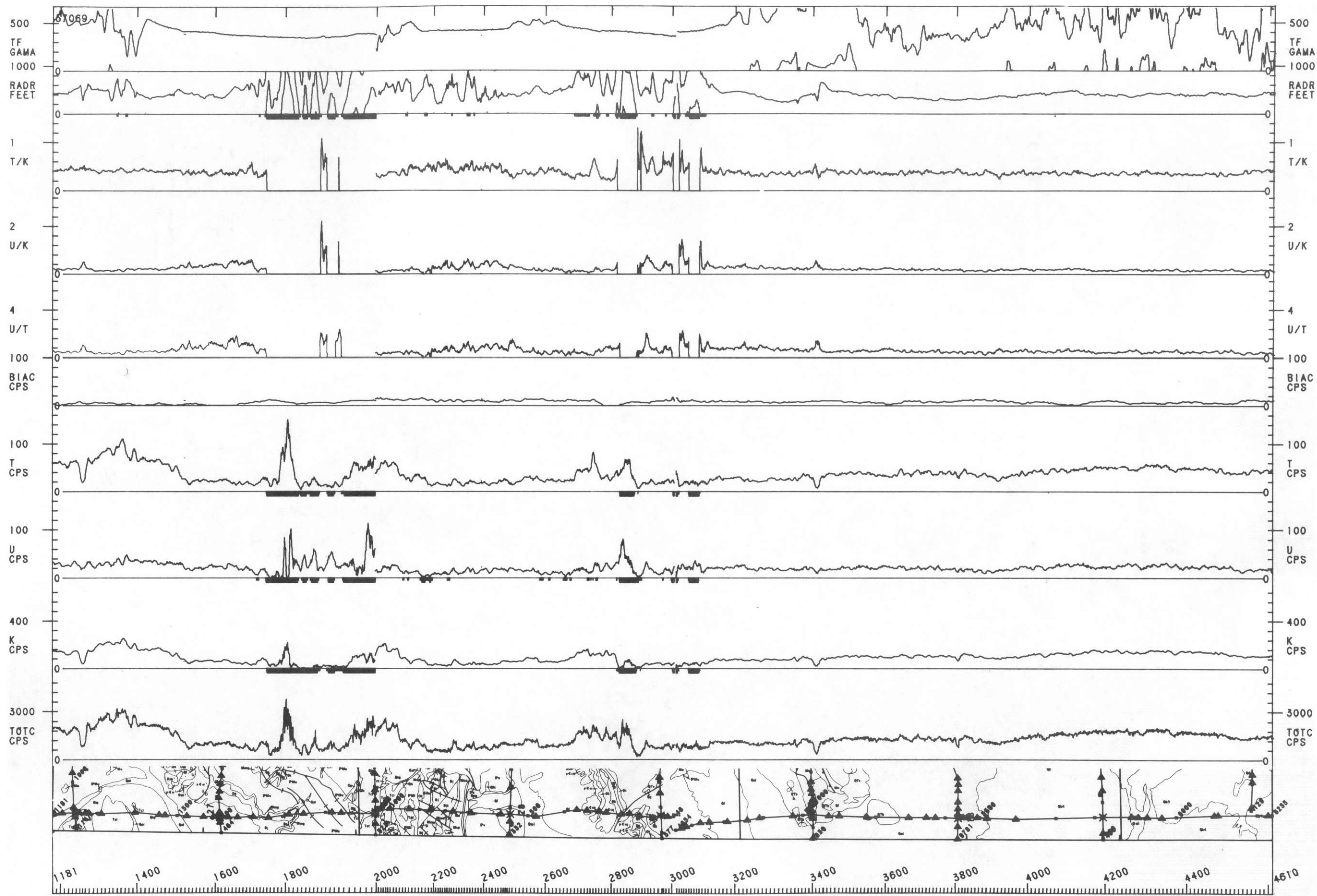
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X FILM IDENTIFIED TRAVERSE/TIE LINE INTERSECTION
 Δ FILM IDENTIFIED GROUND CONTROL
 □ INDEX FIDUCIAL (100 FIDUCIAL INTERVALS)
 FLOWN 1978

FLIGHT PATH MAP
 DU BOIS
 NL-12-10
 DOE/NURE



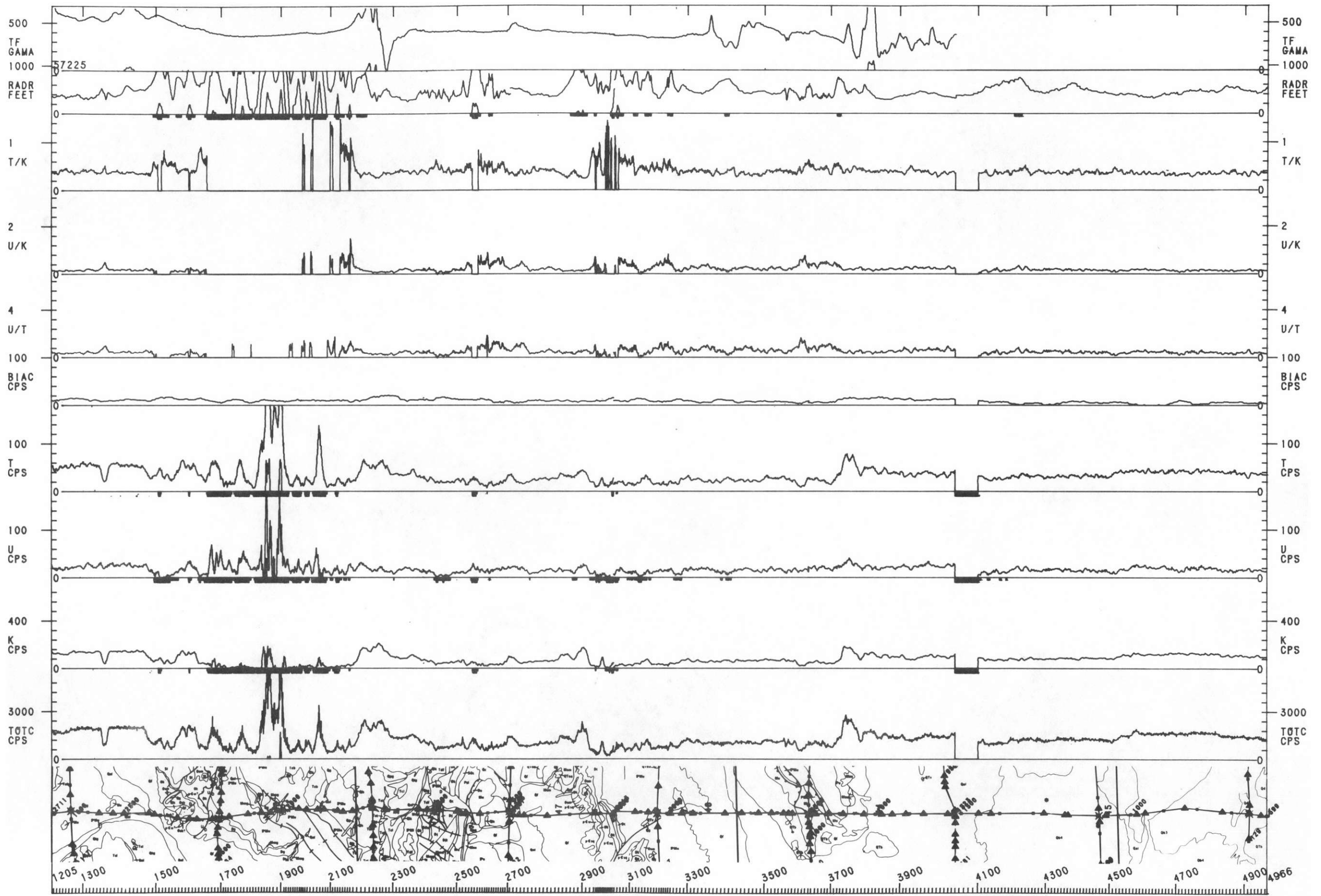


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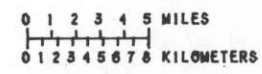
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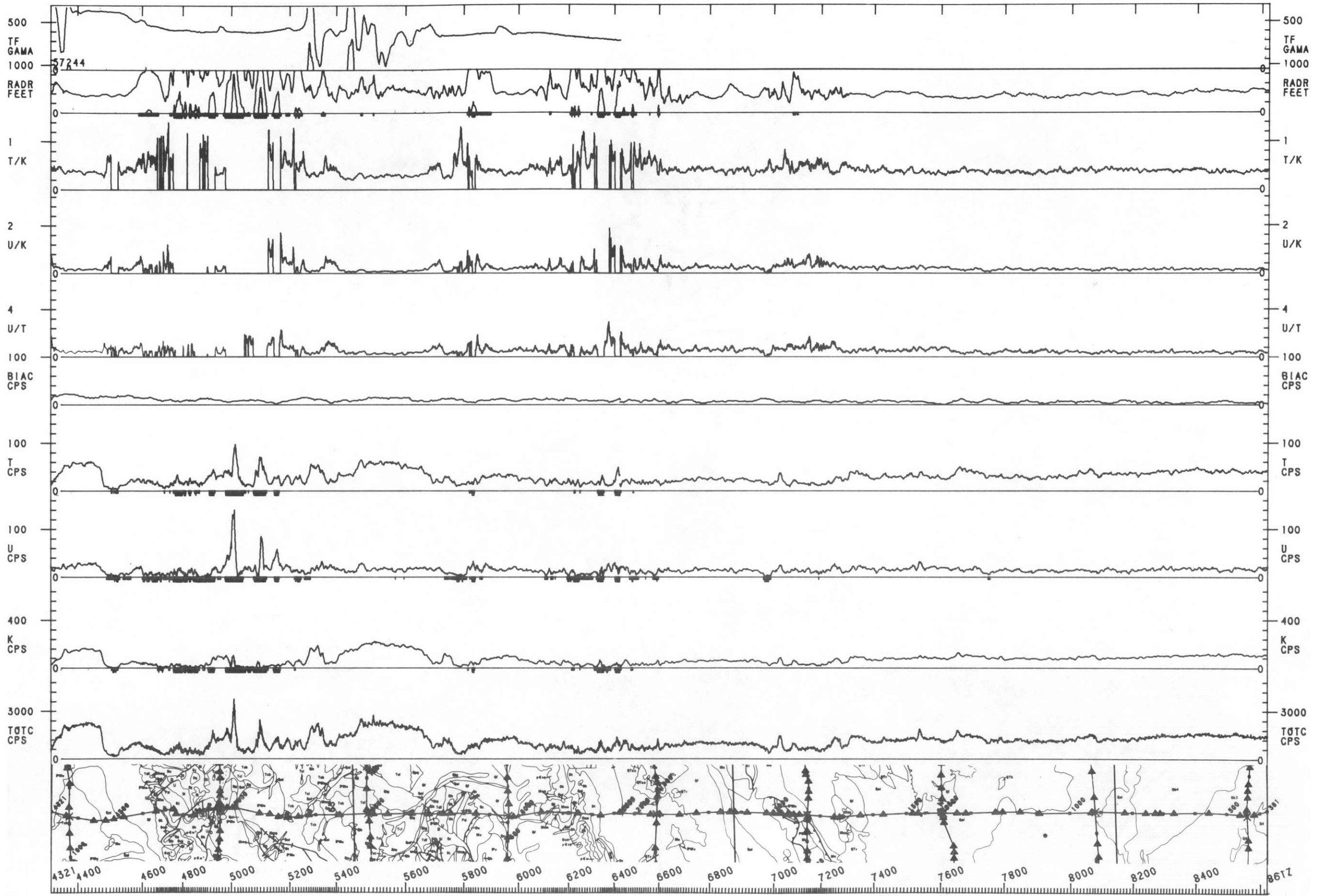


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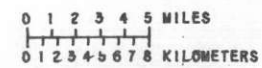


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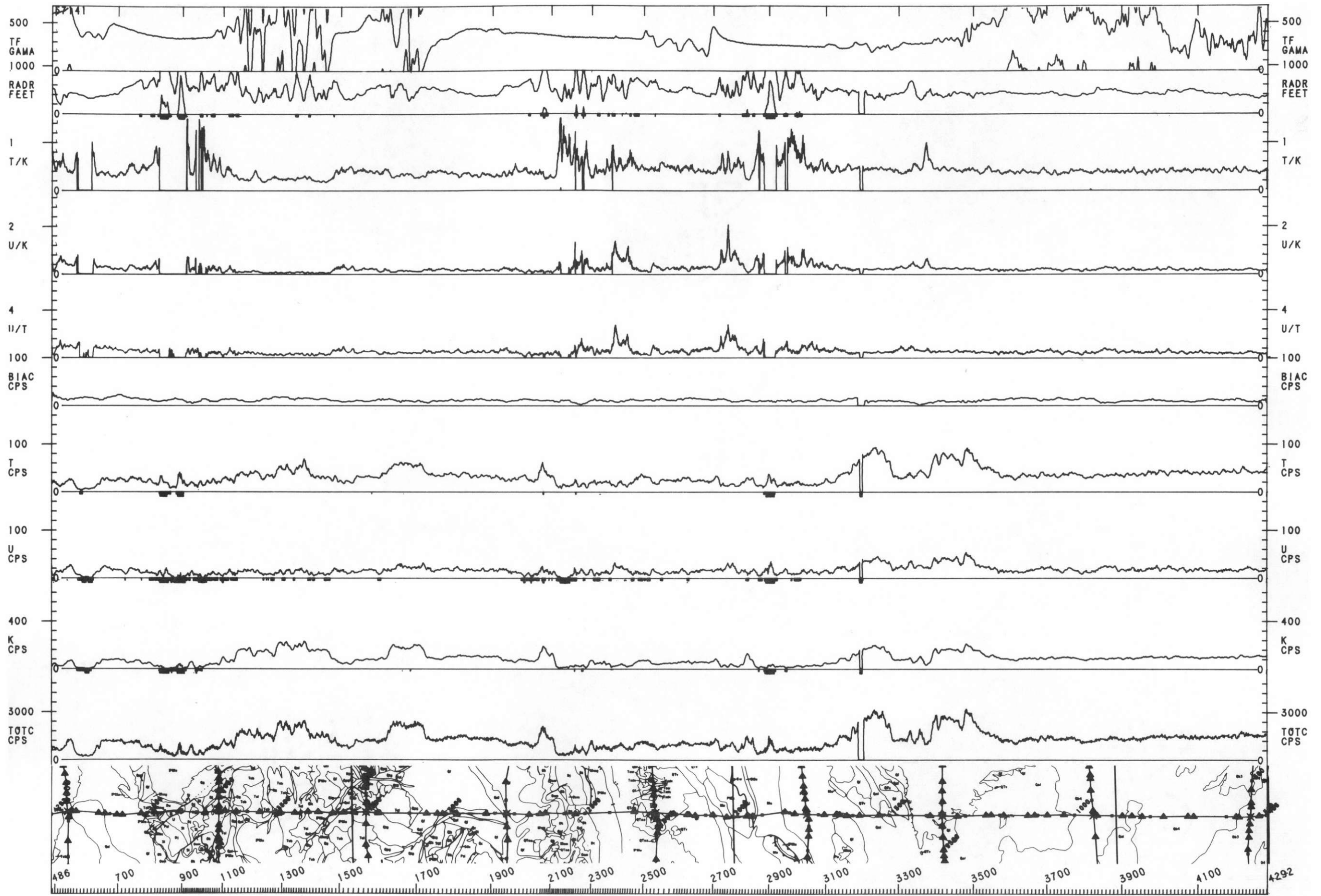


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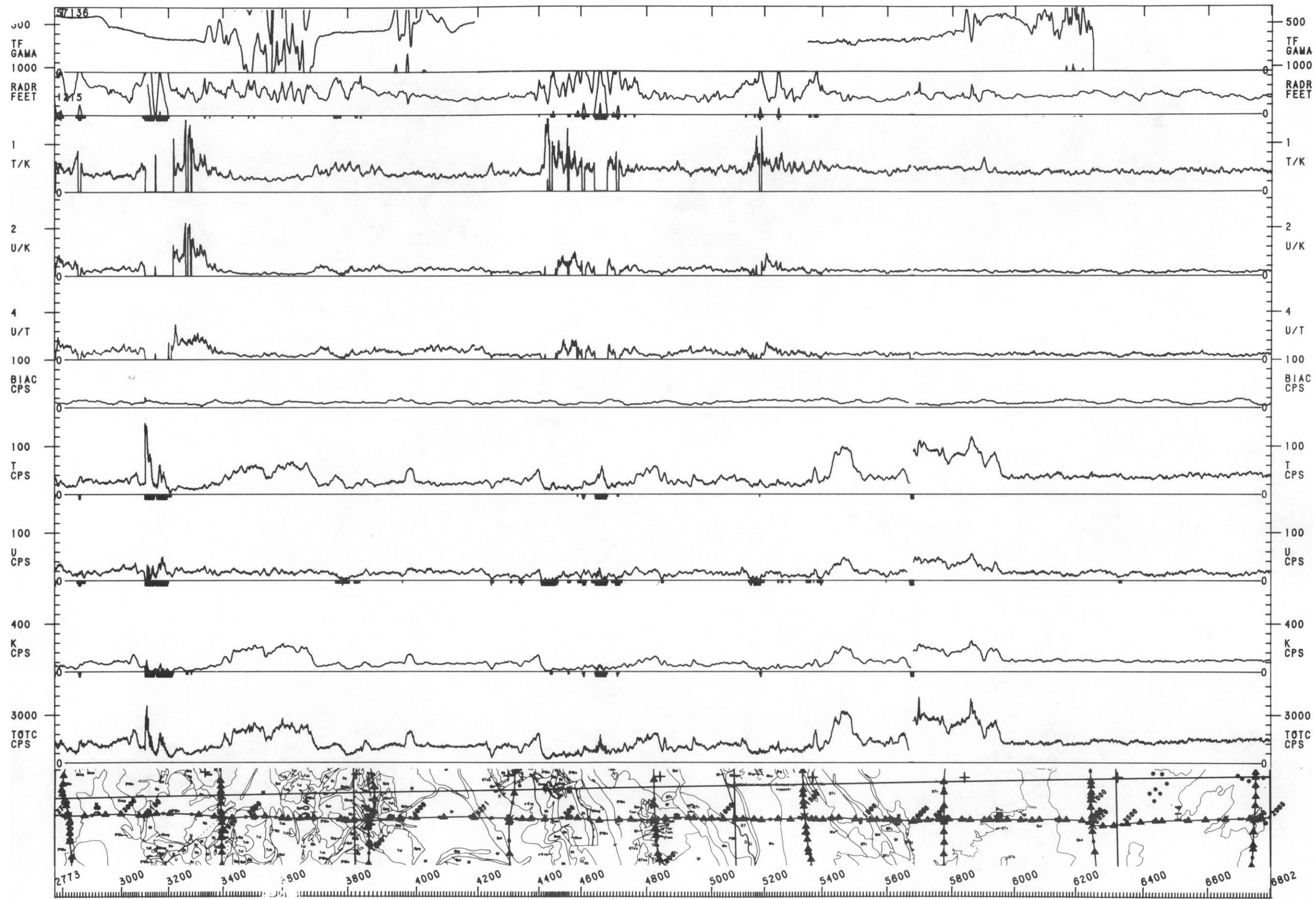


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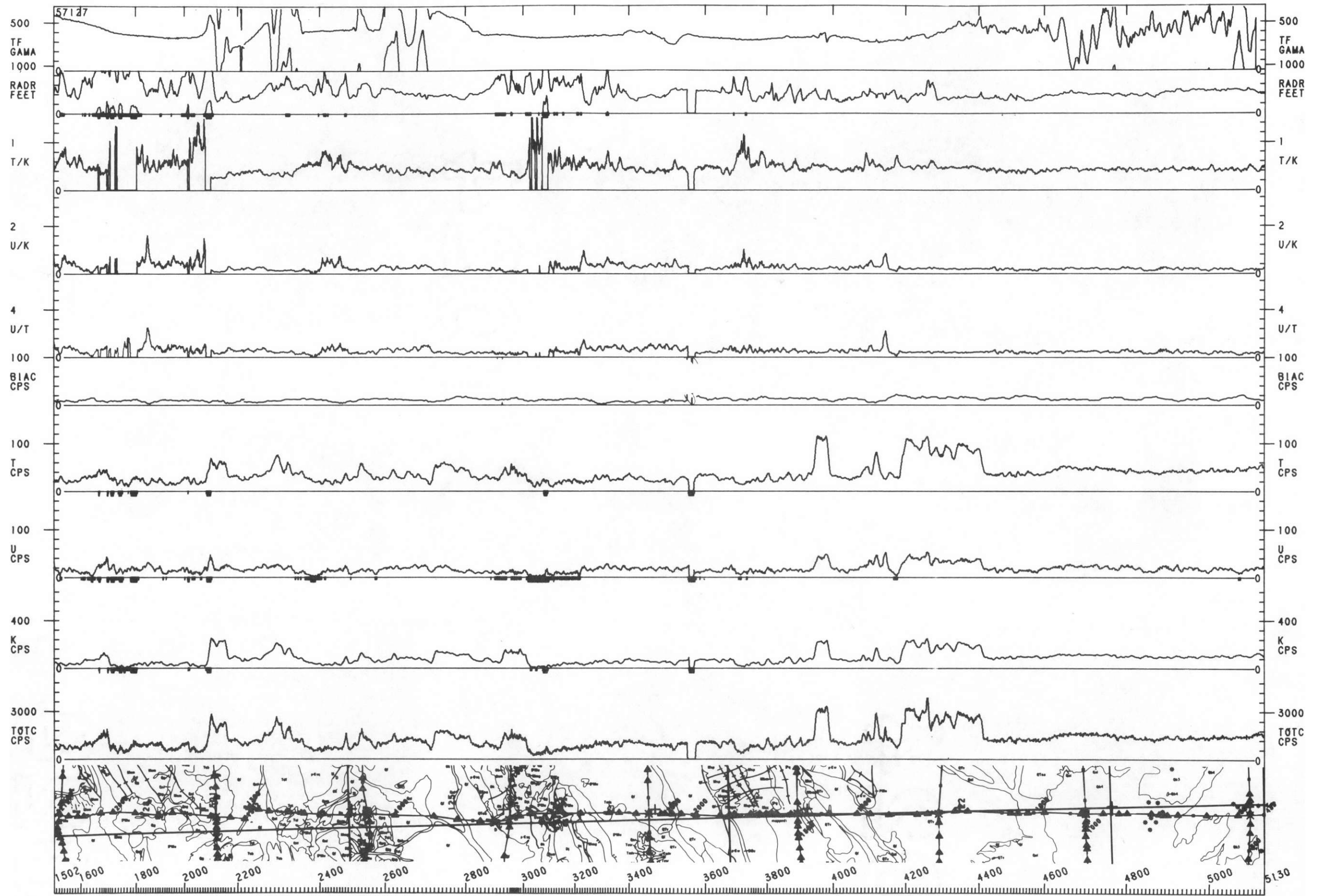
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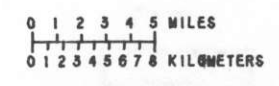
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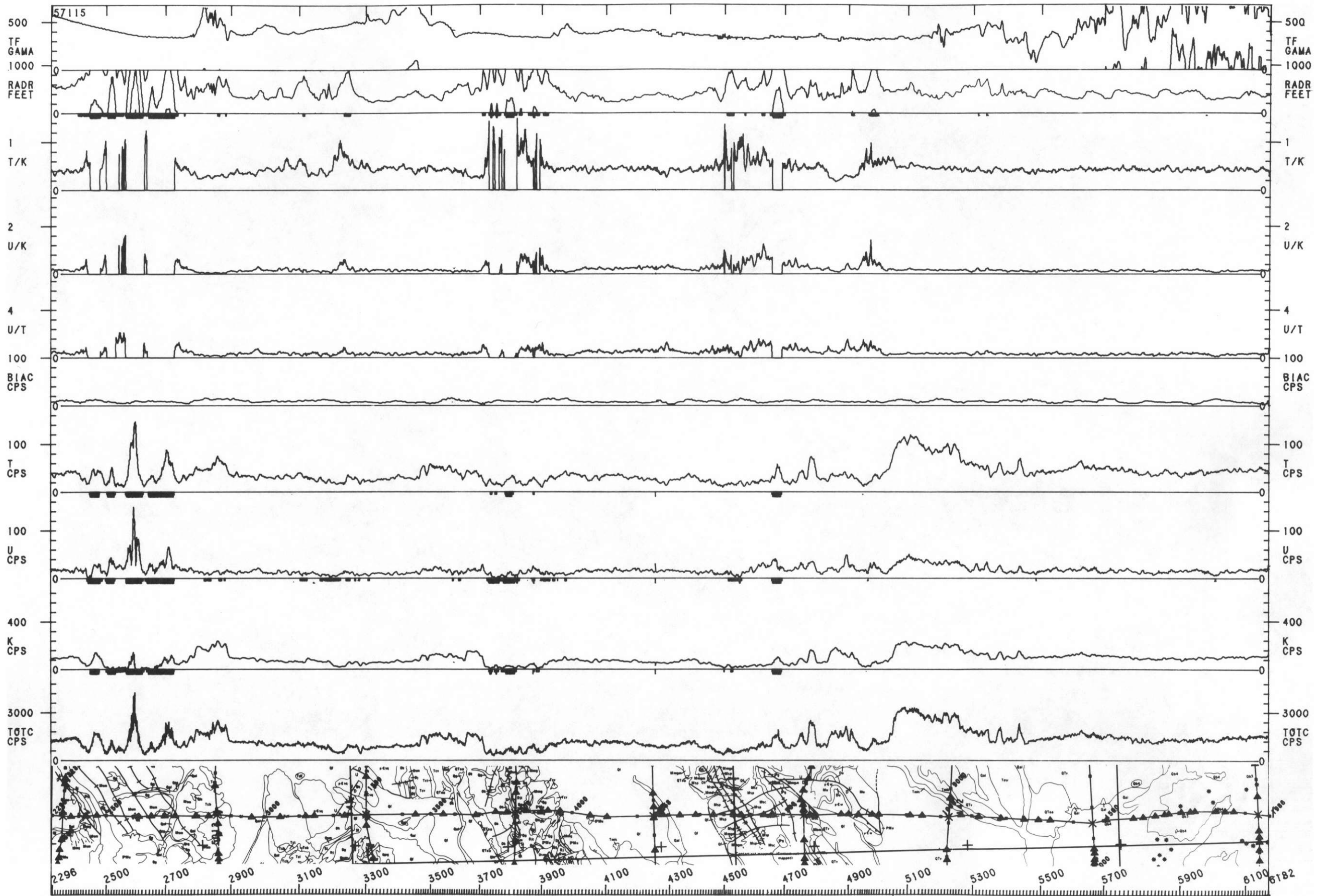


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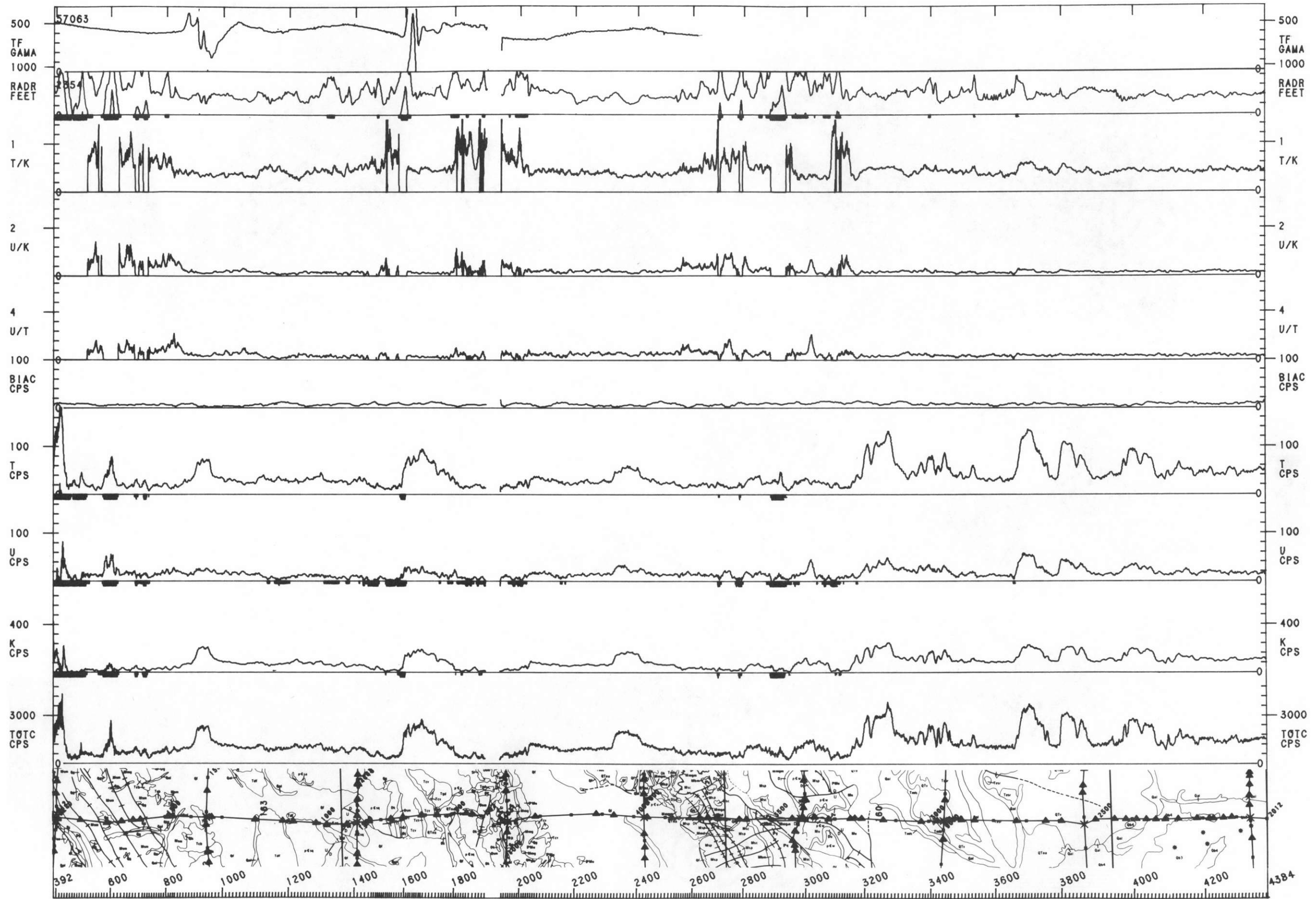


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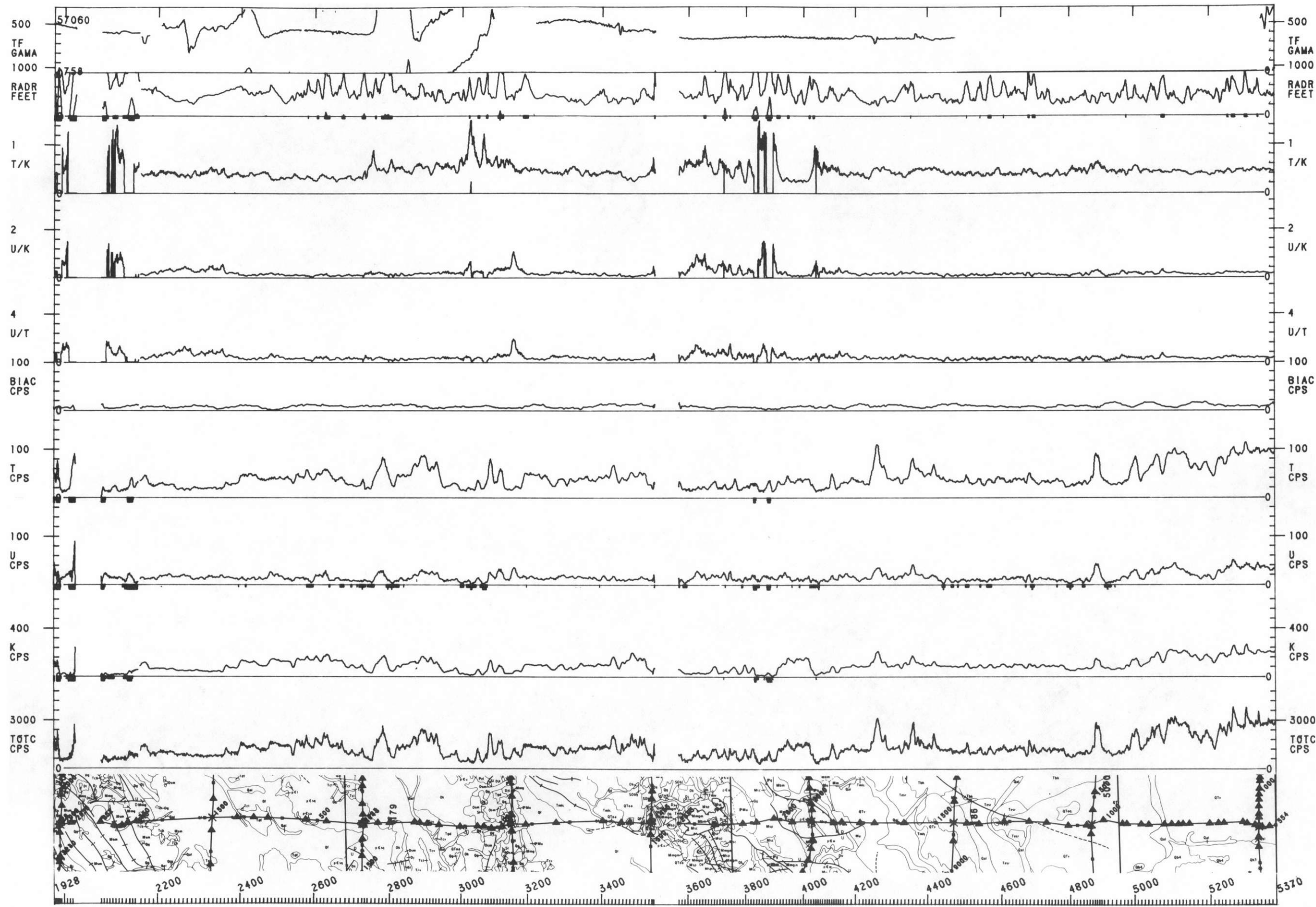


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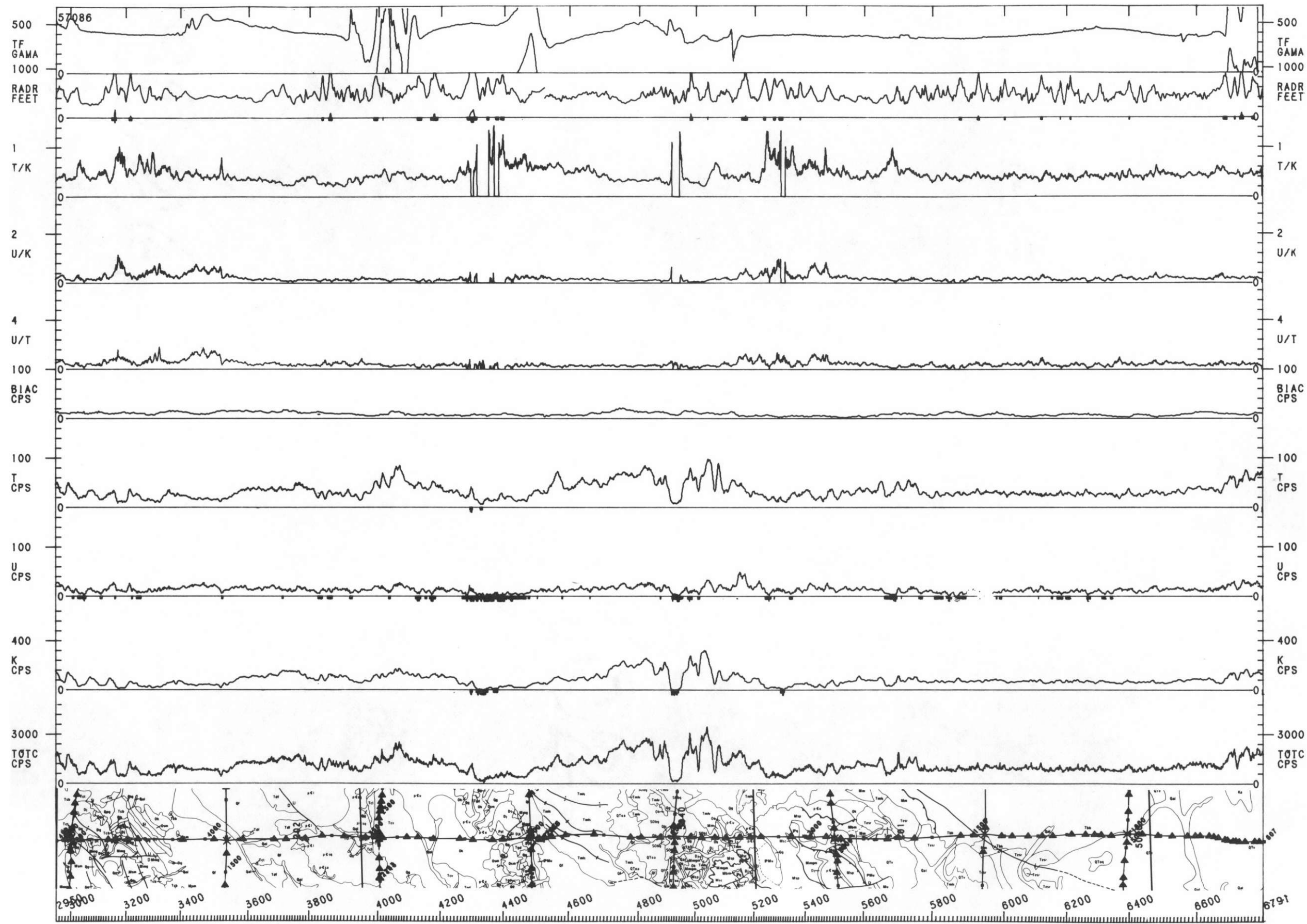
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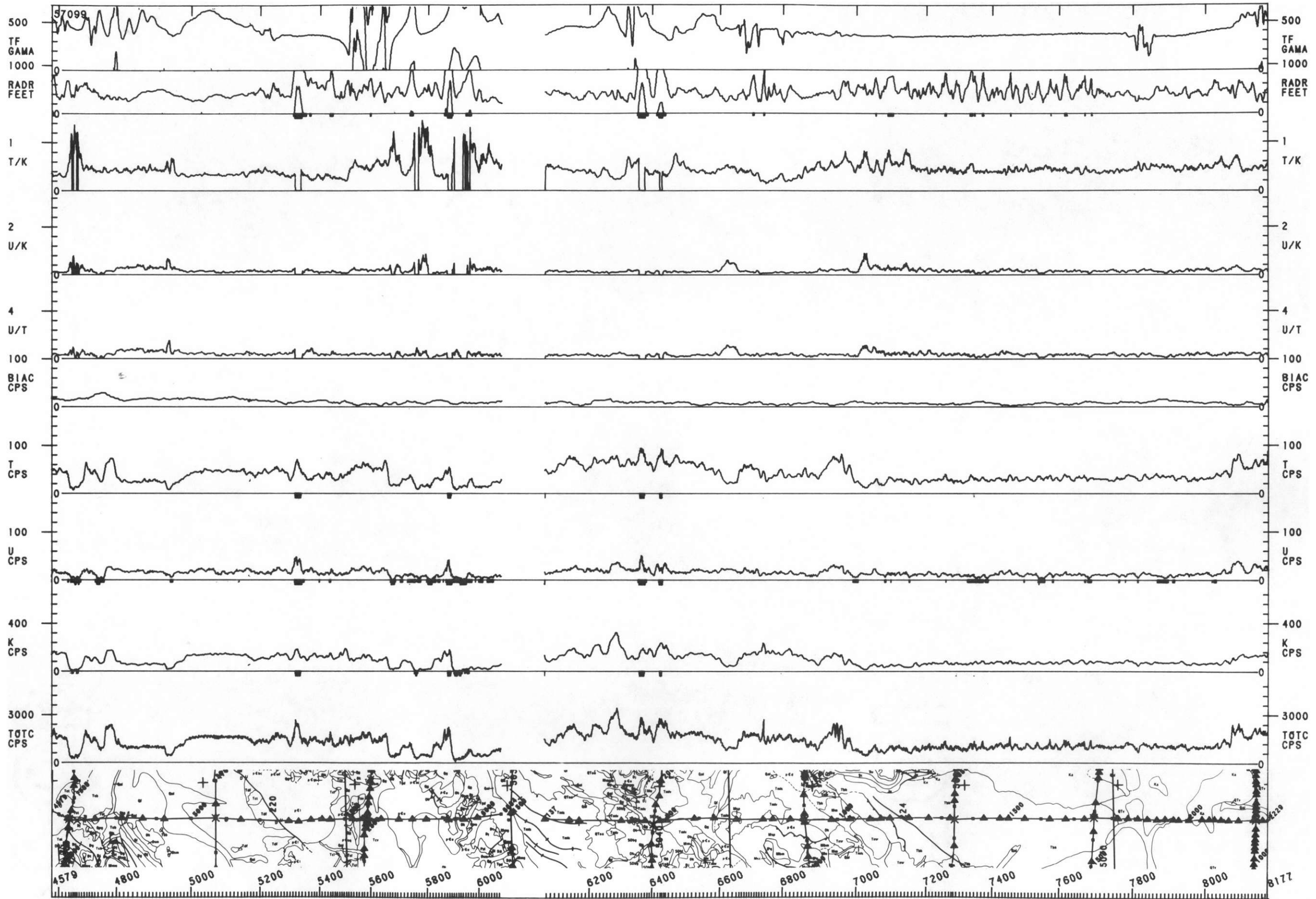


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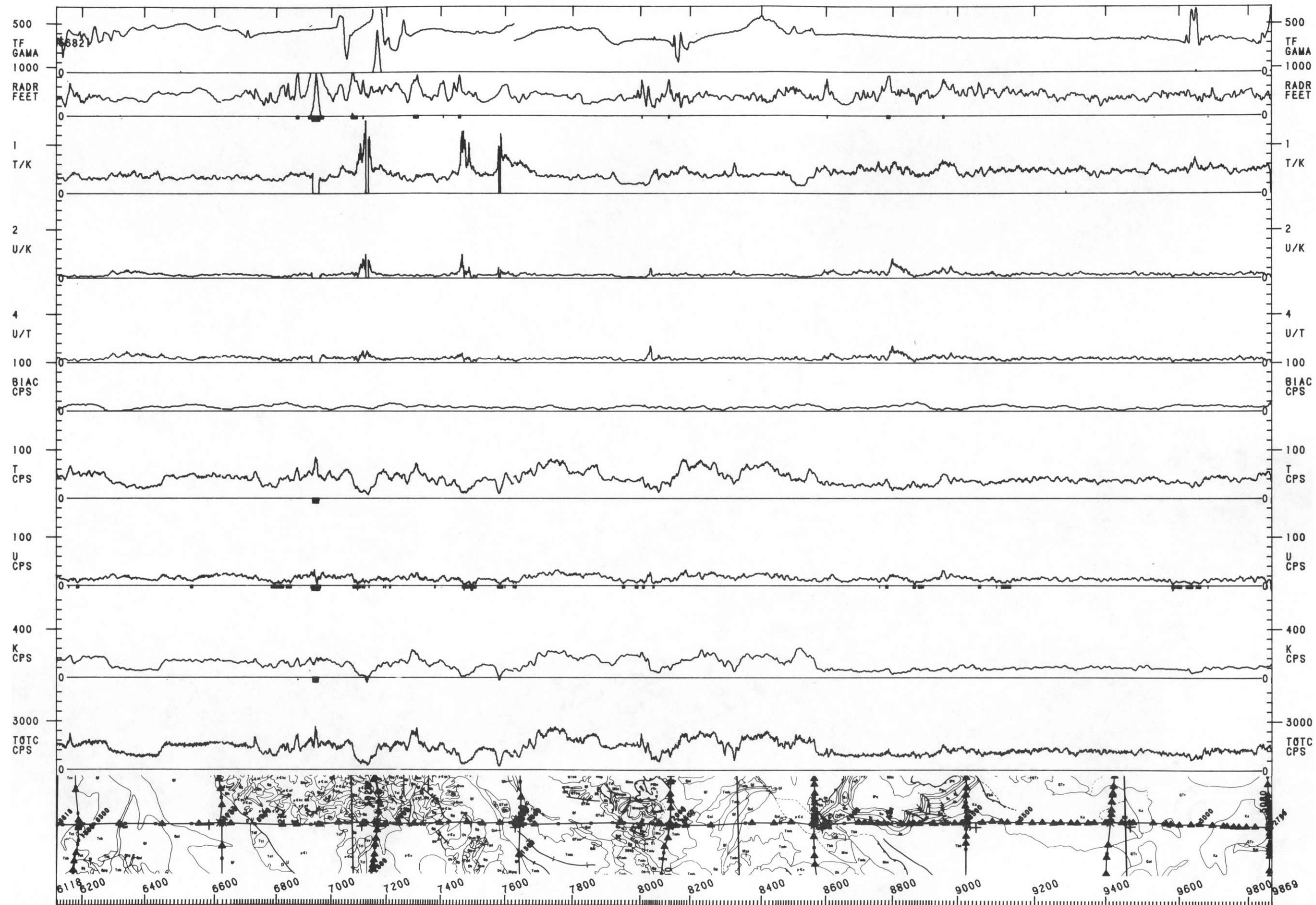


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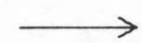
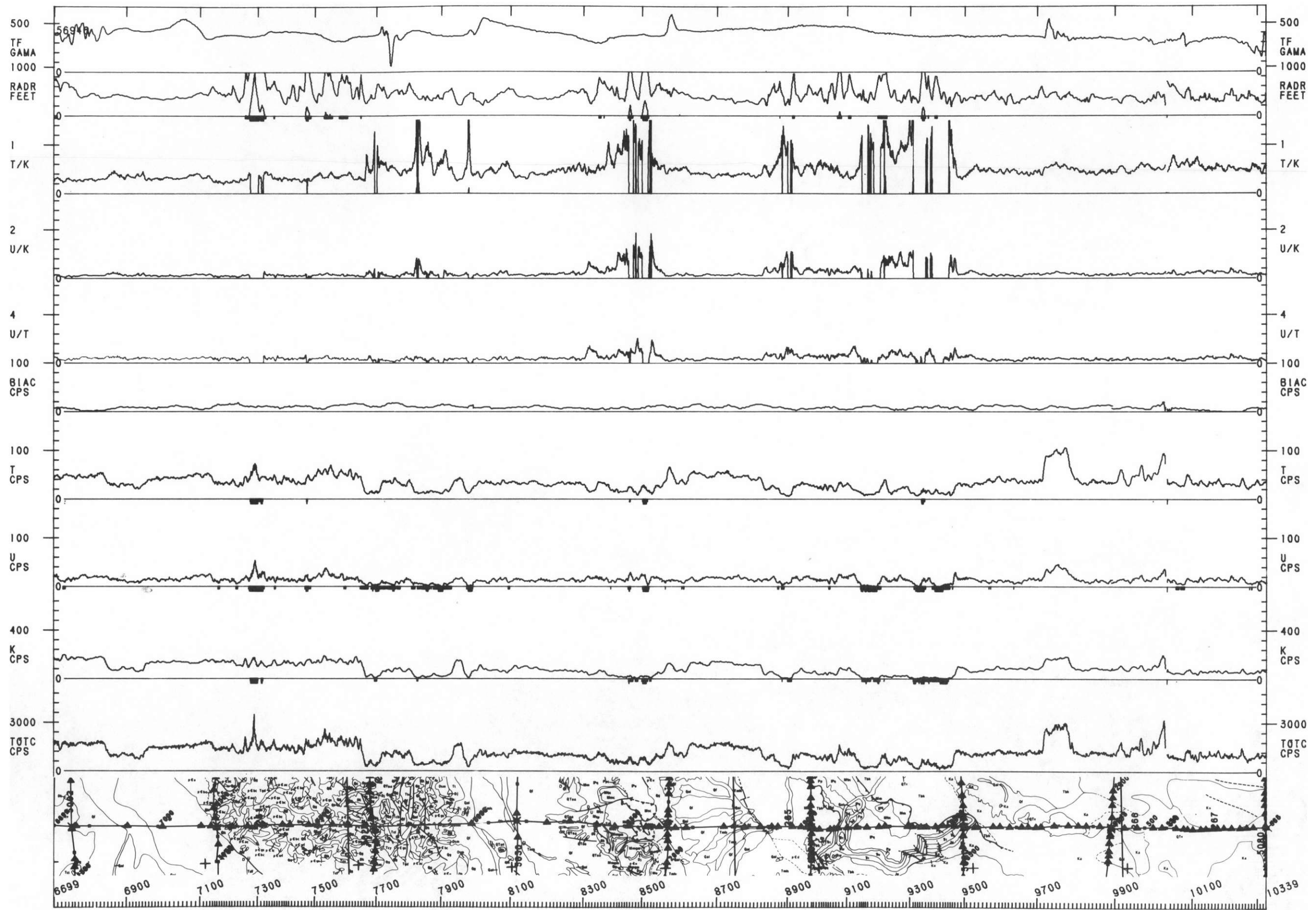
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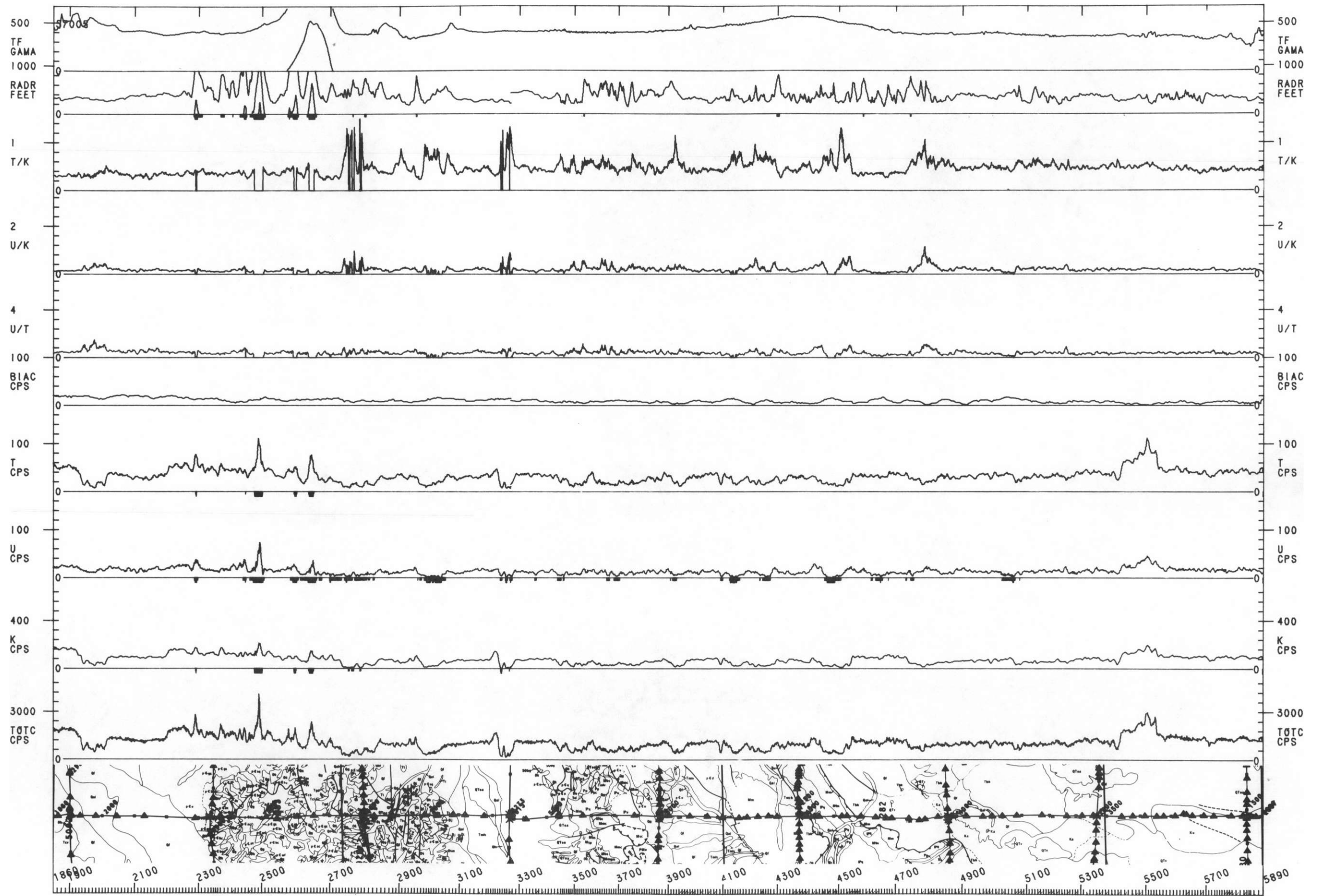


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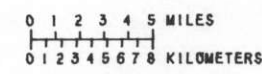


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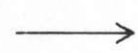
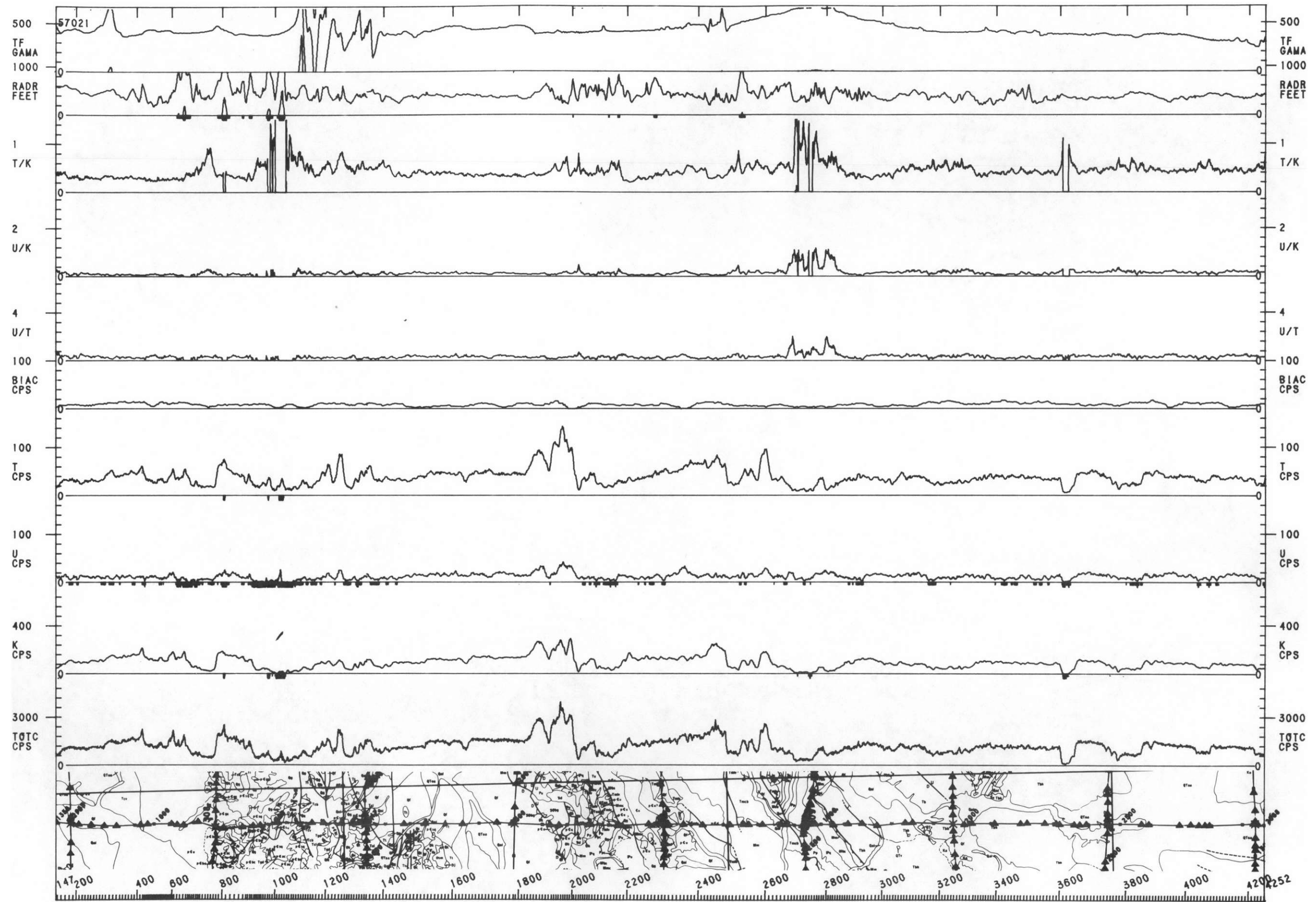


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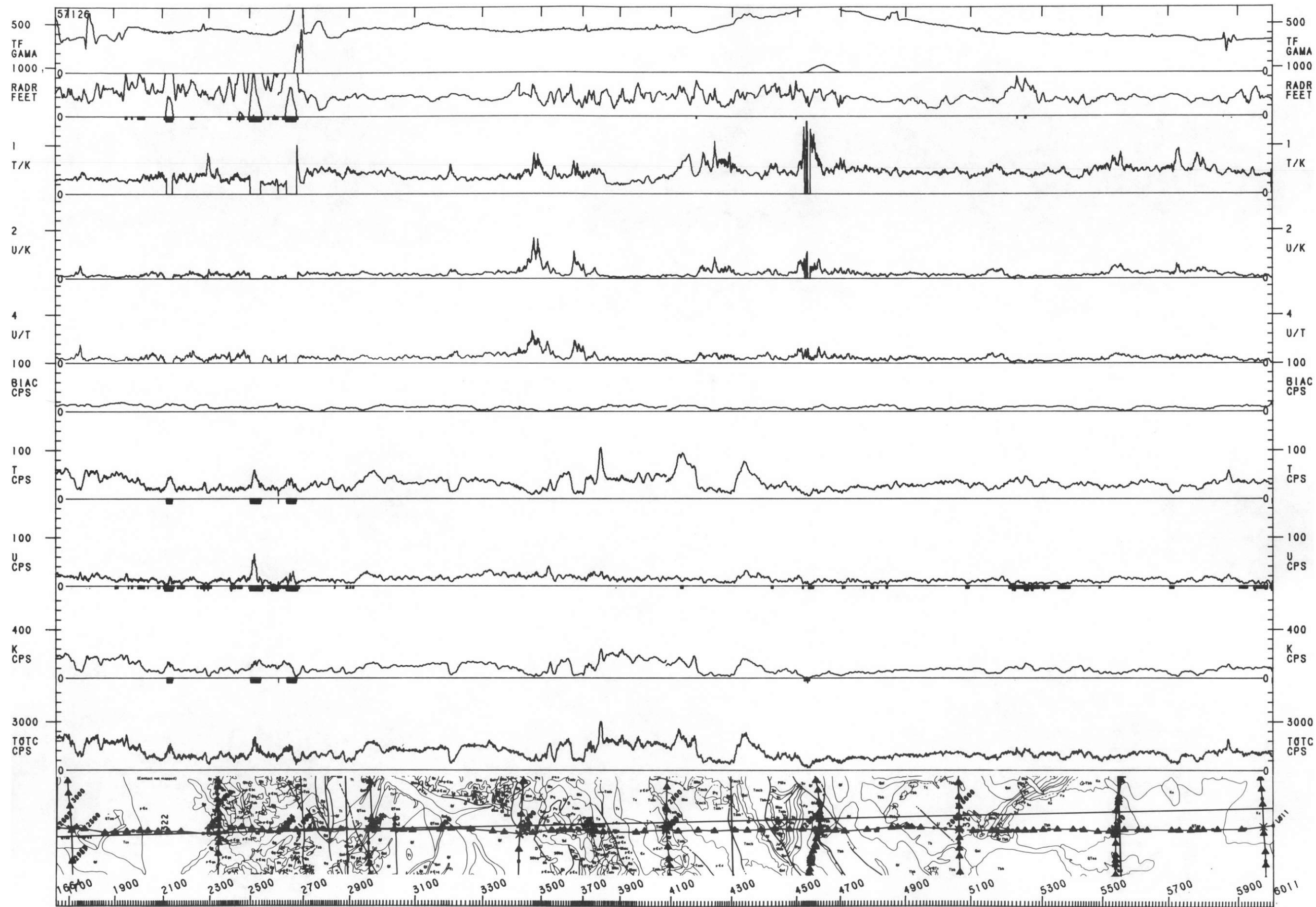


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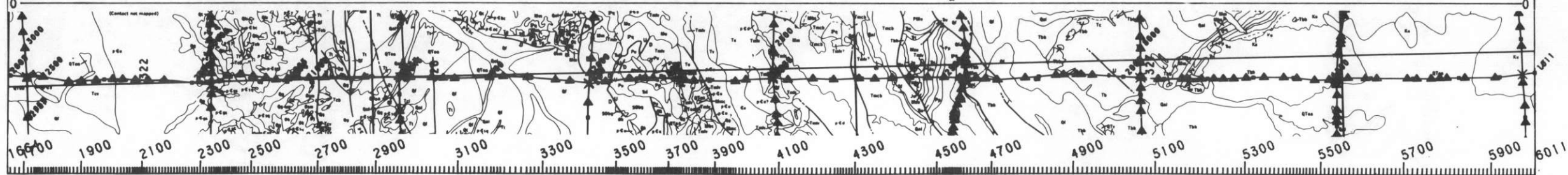
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DUBØIS QUAD
NL 12-10
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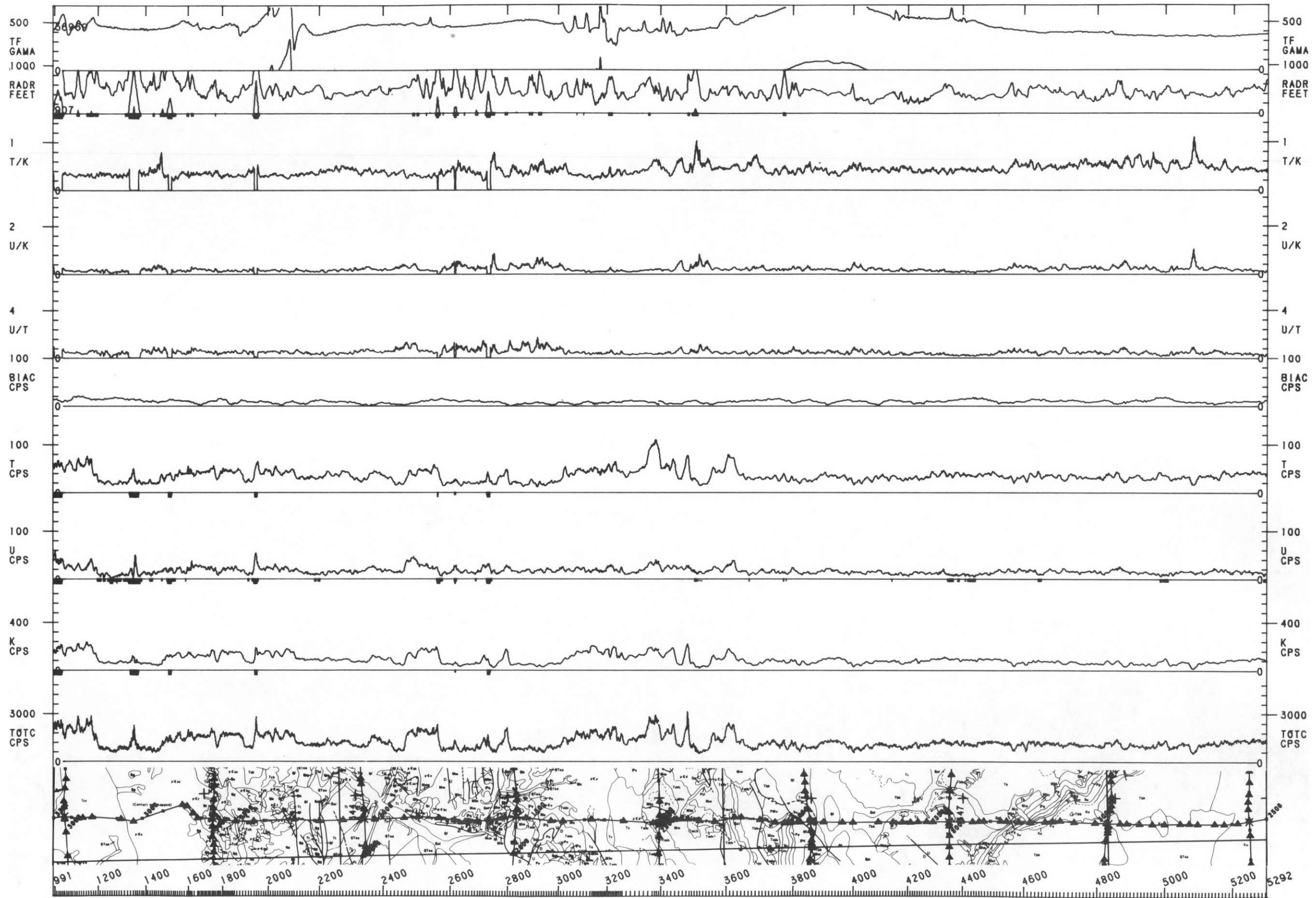
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→ 90° 0 1 2 3 4 5 MILES
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JOB 8613
FLOWN 1978

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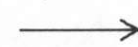
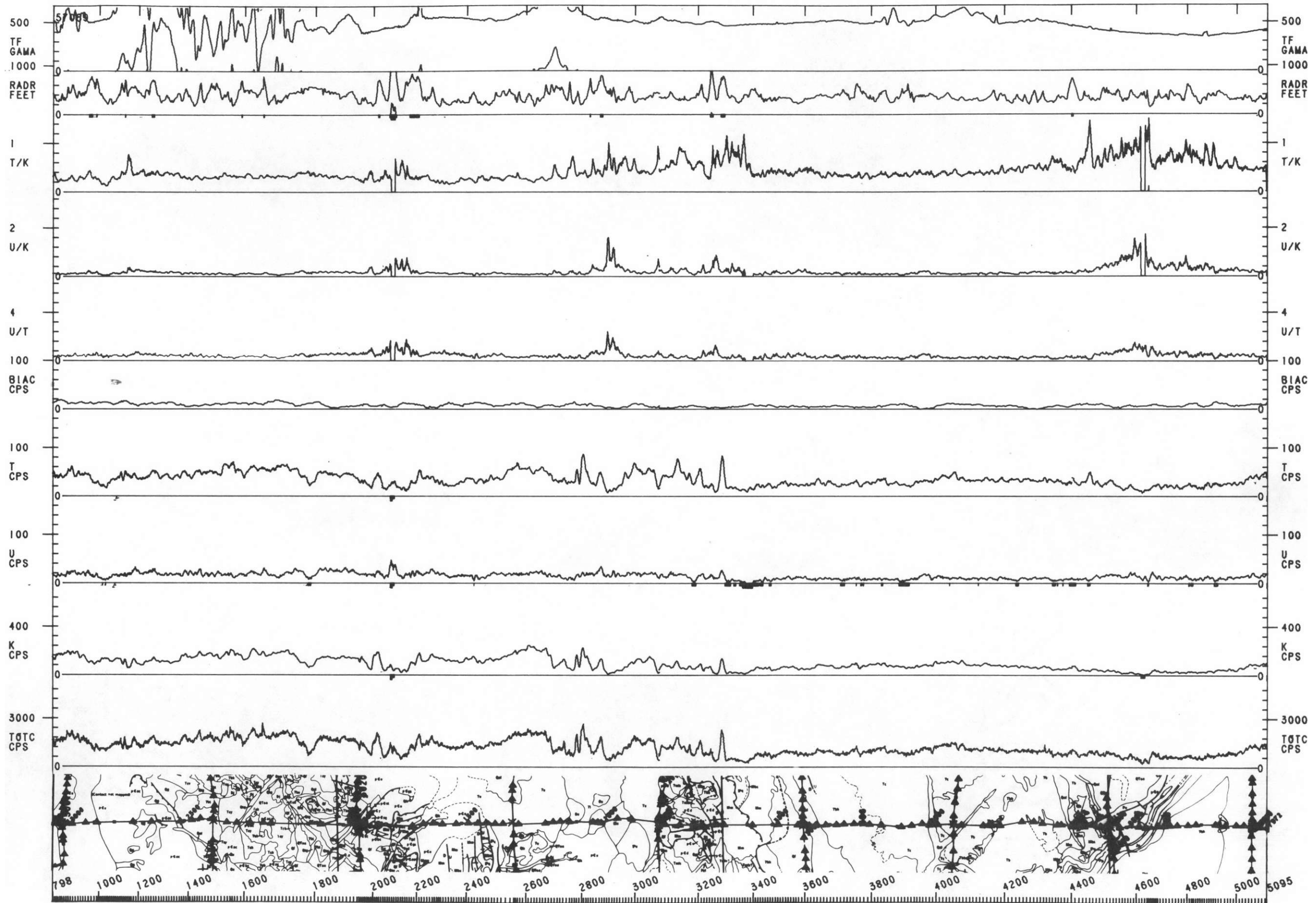


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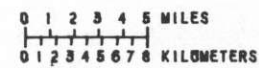
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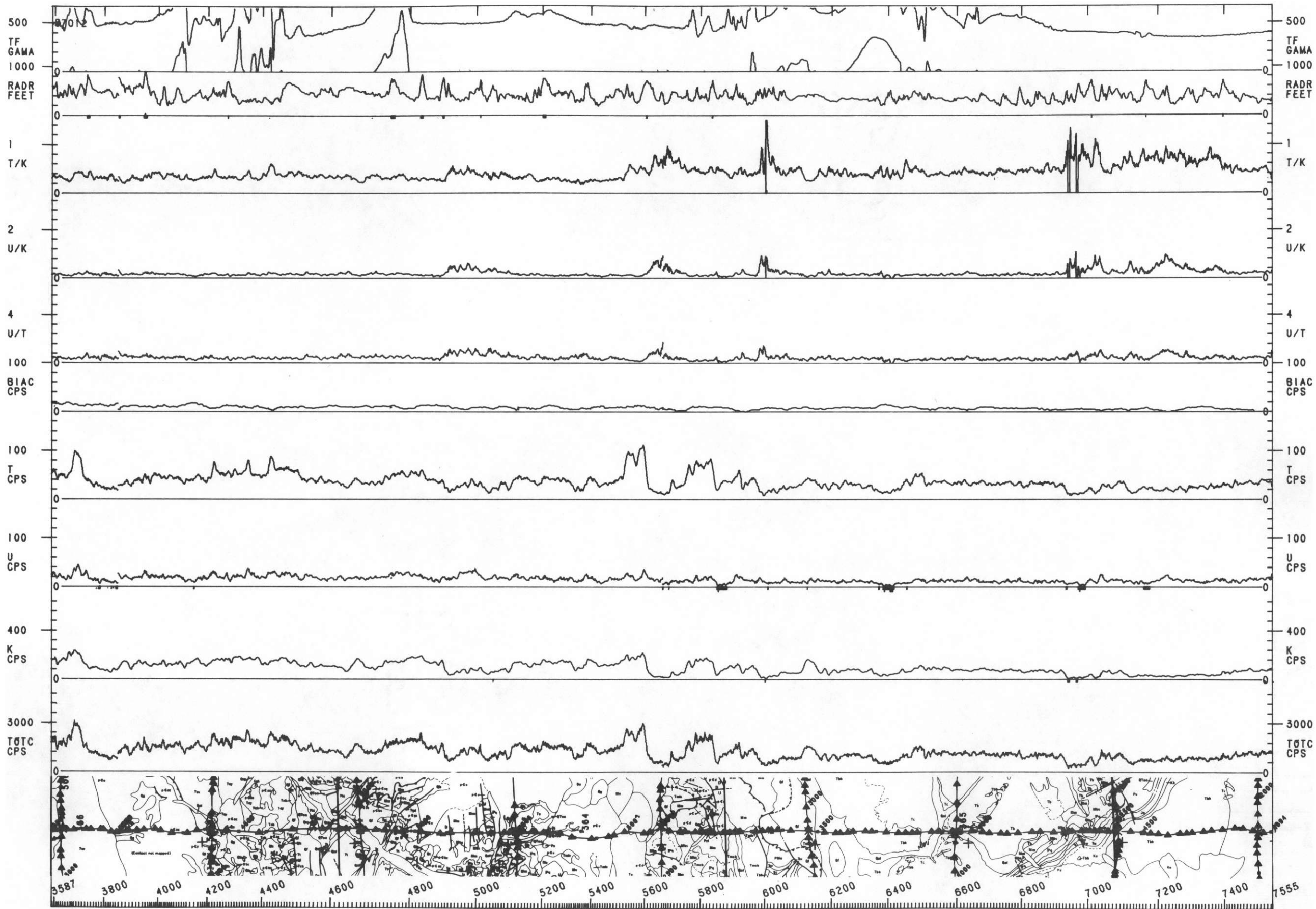


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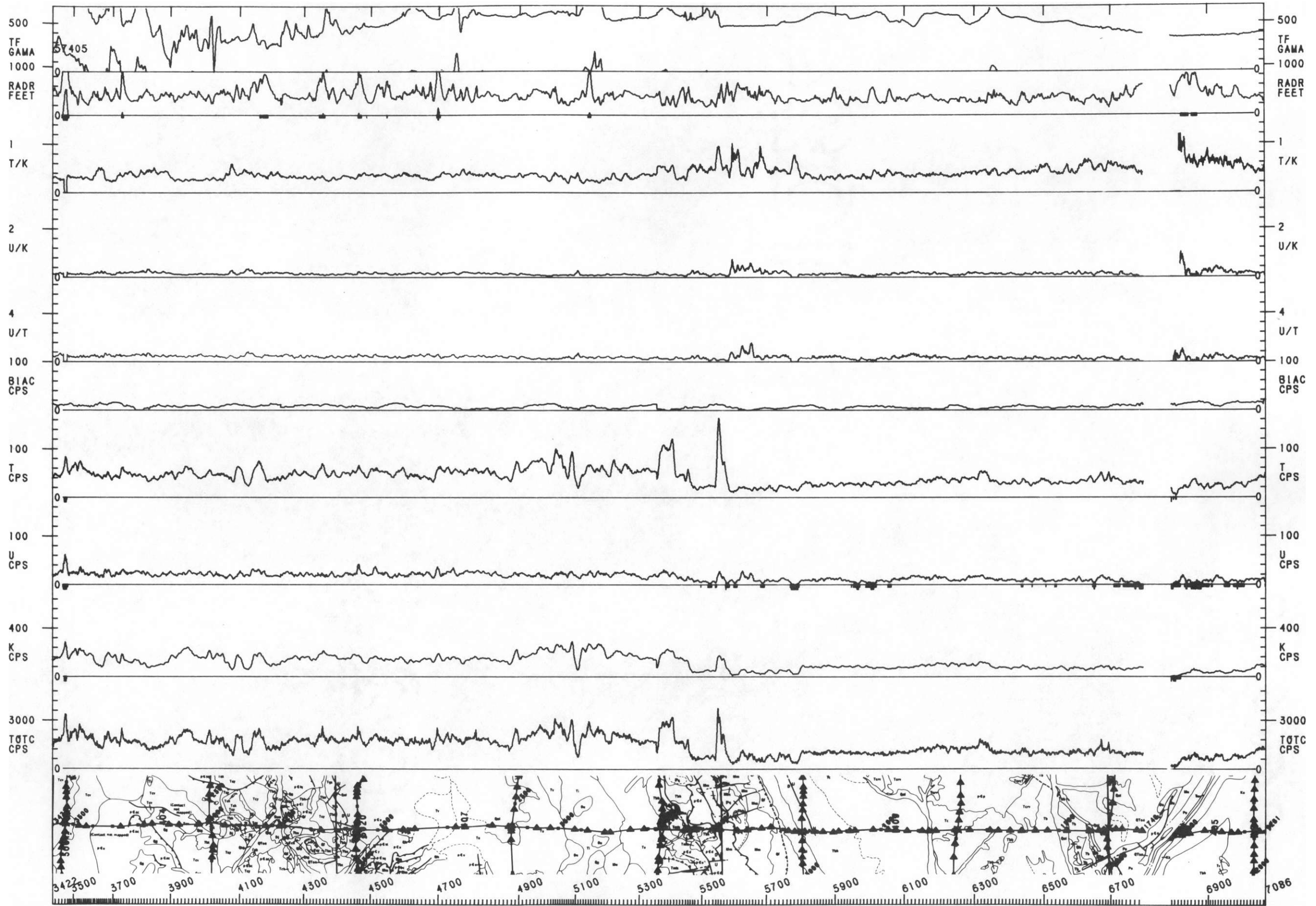


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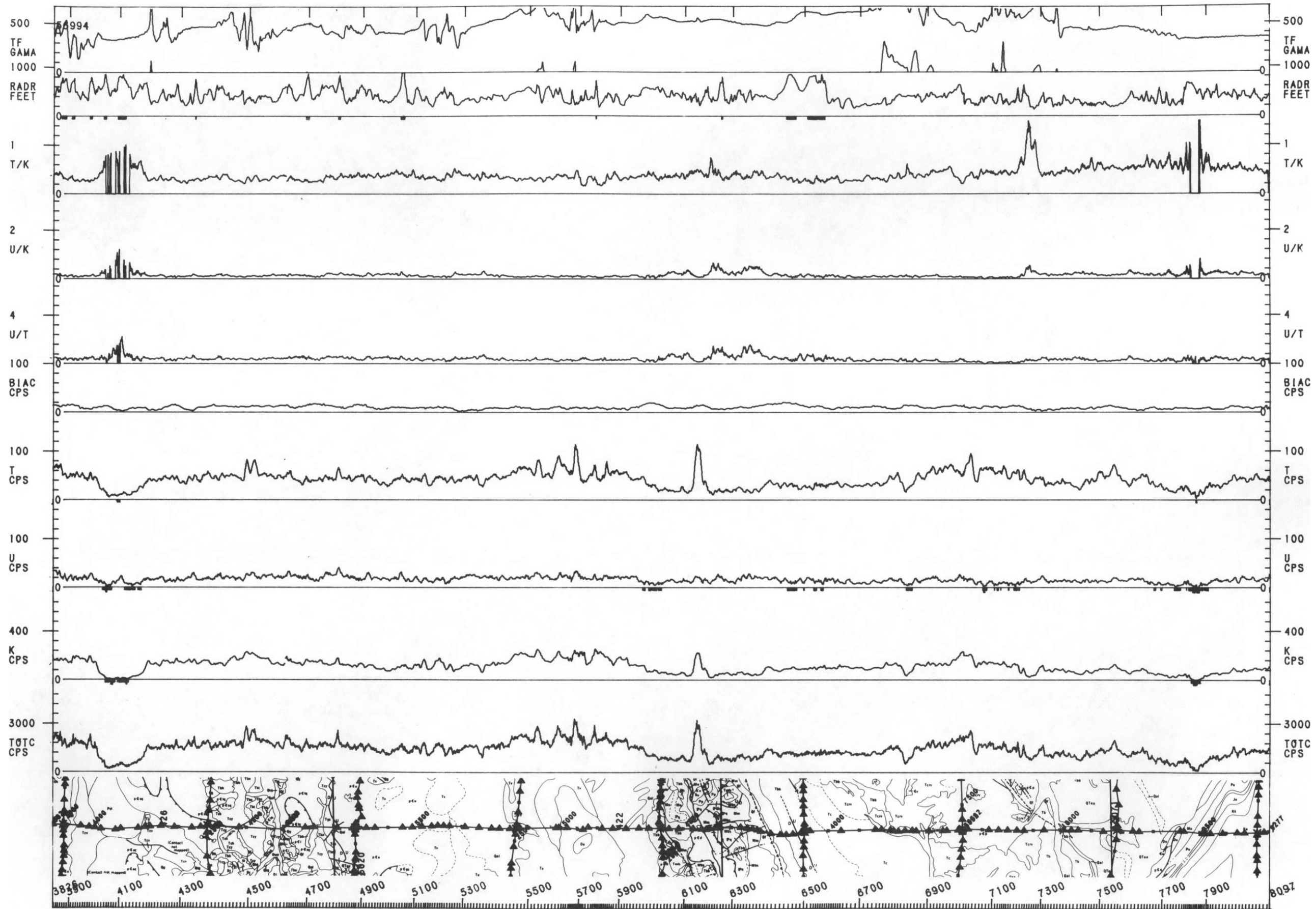


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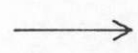
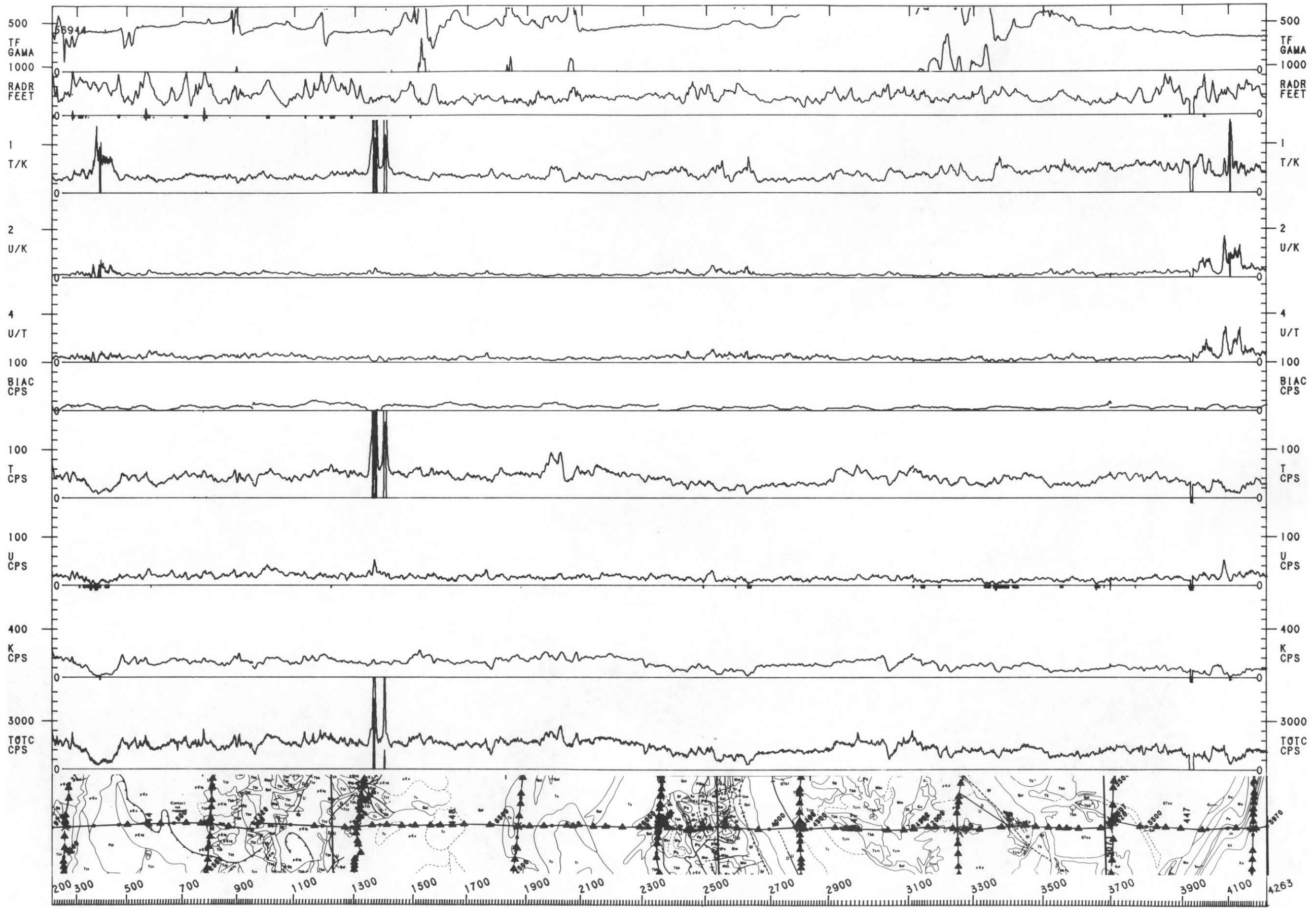
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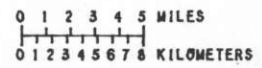
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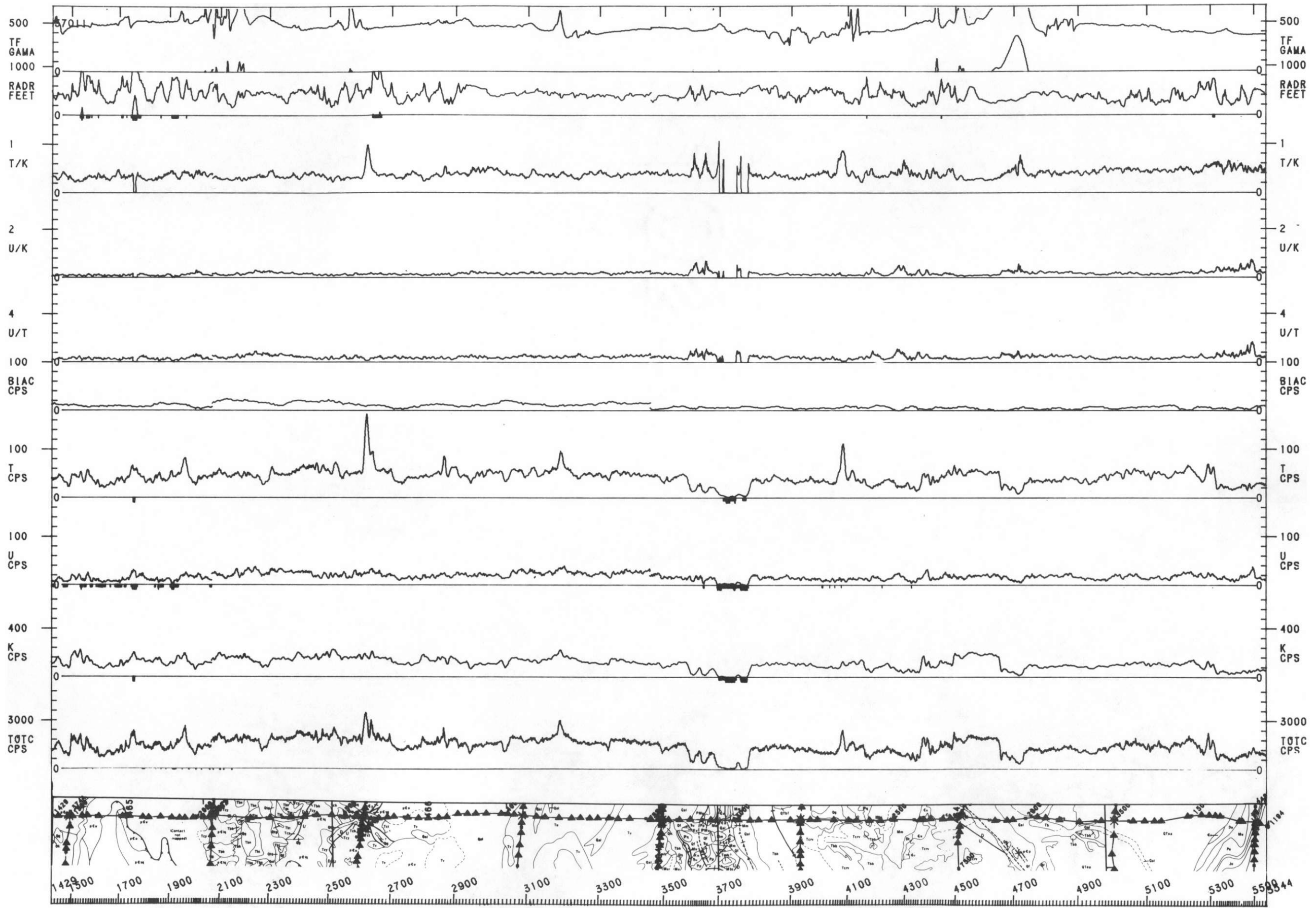


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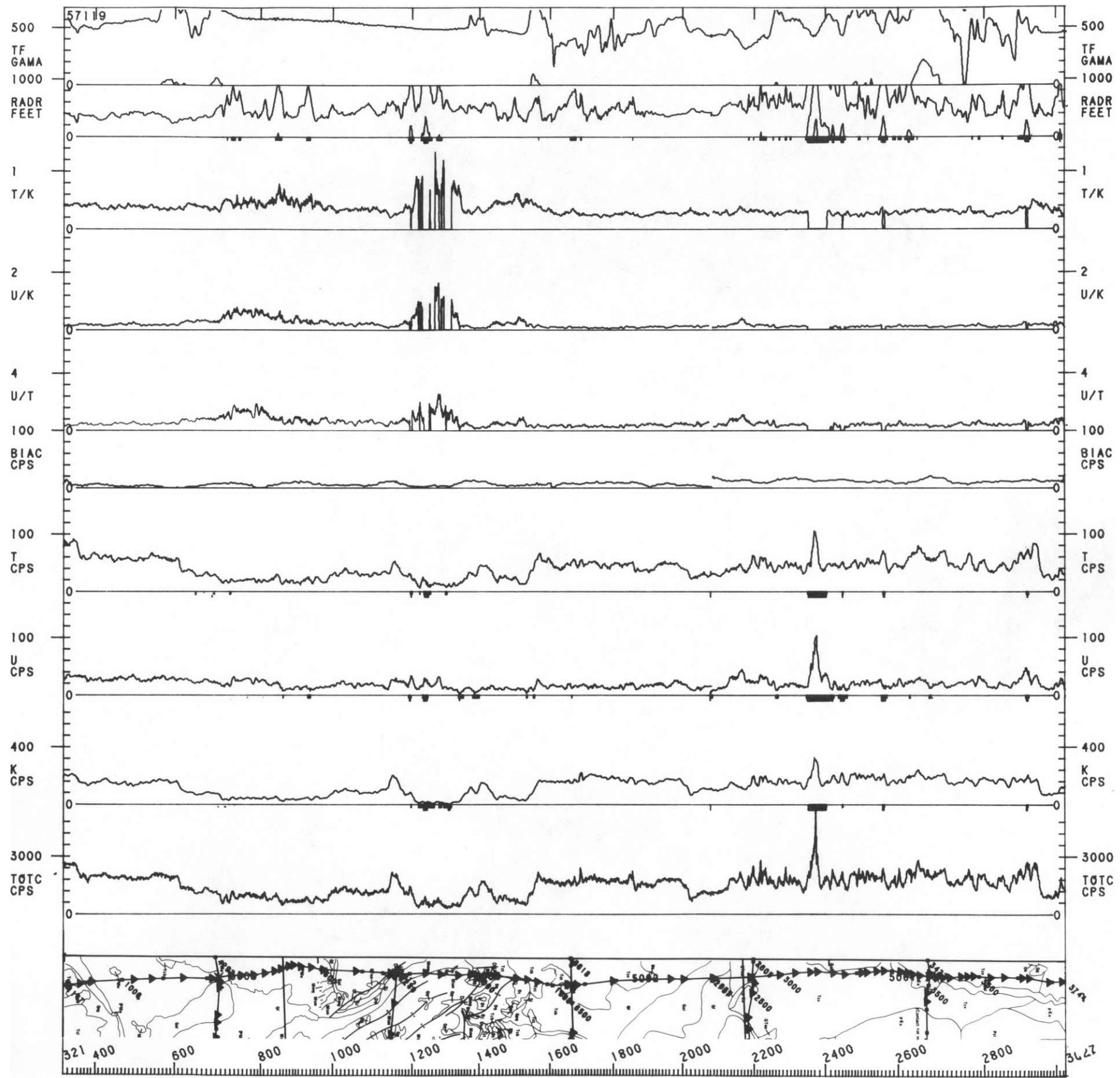


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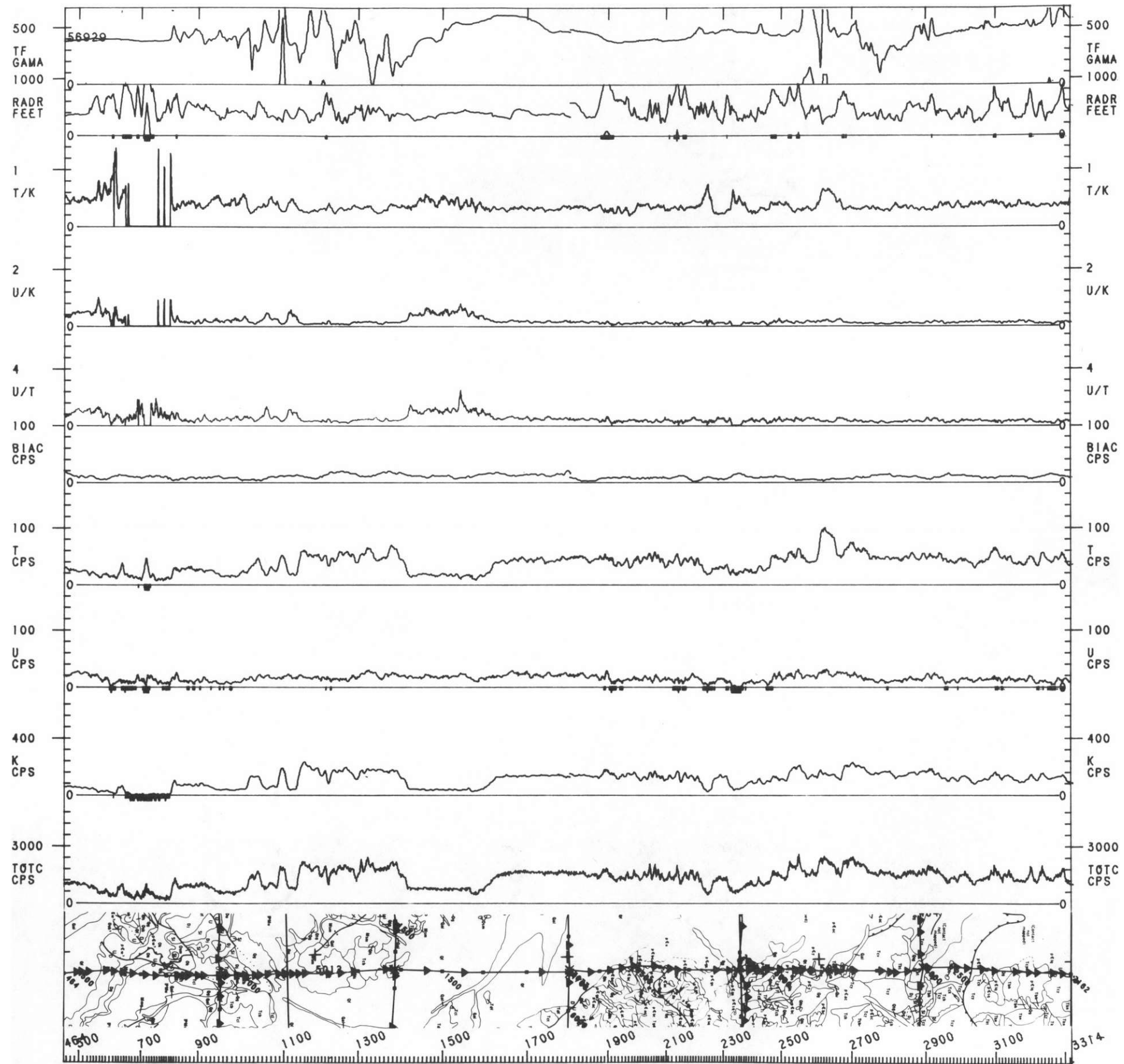


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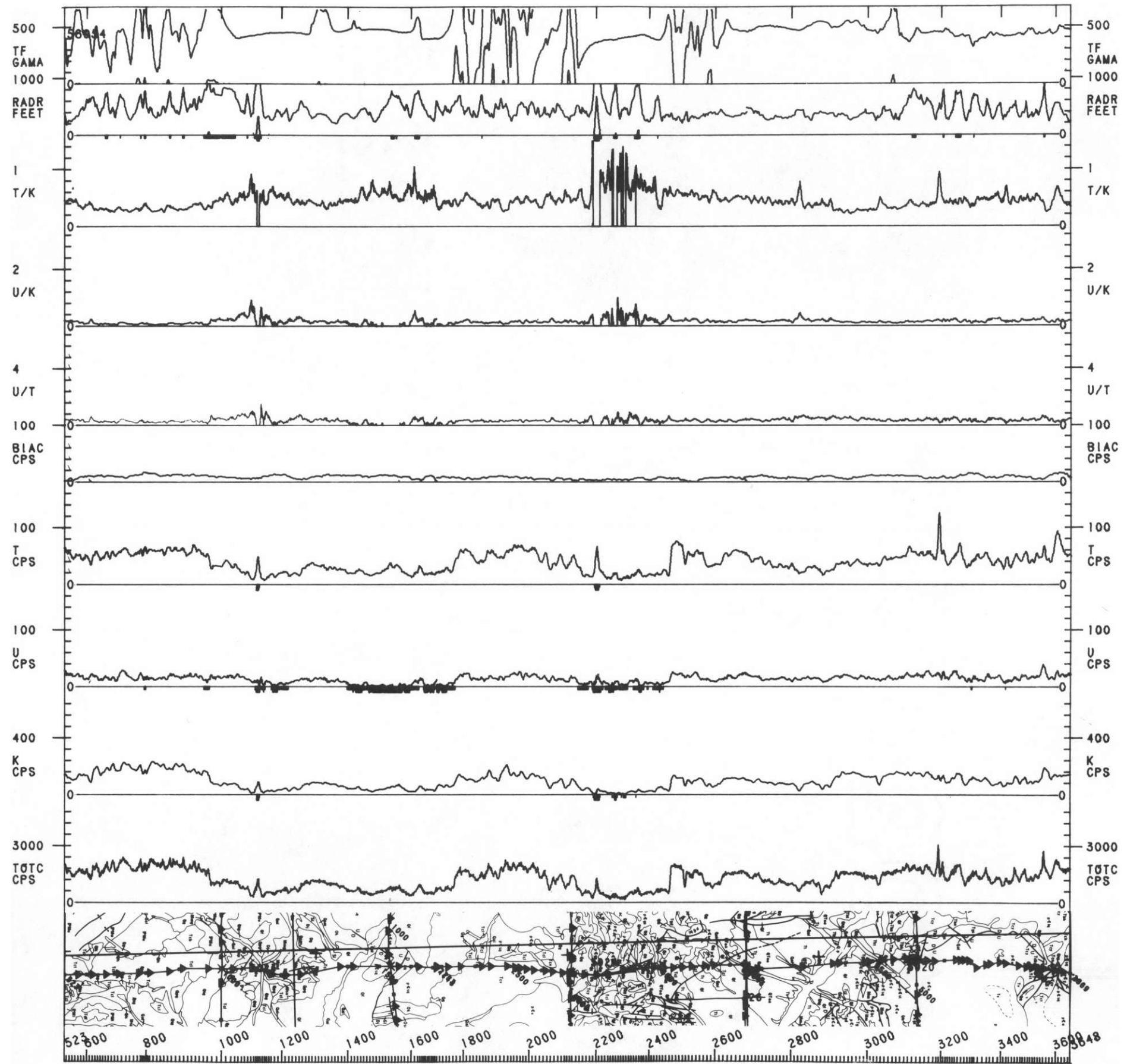


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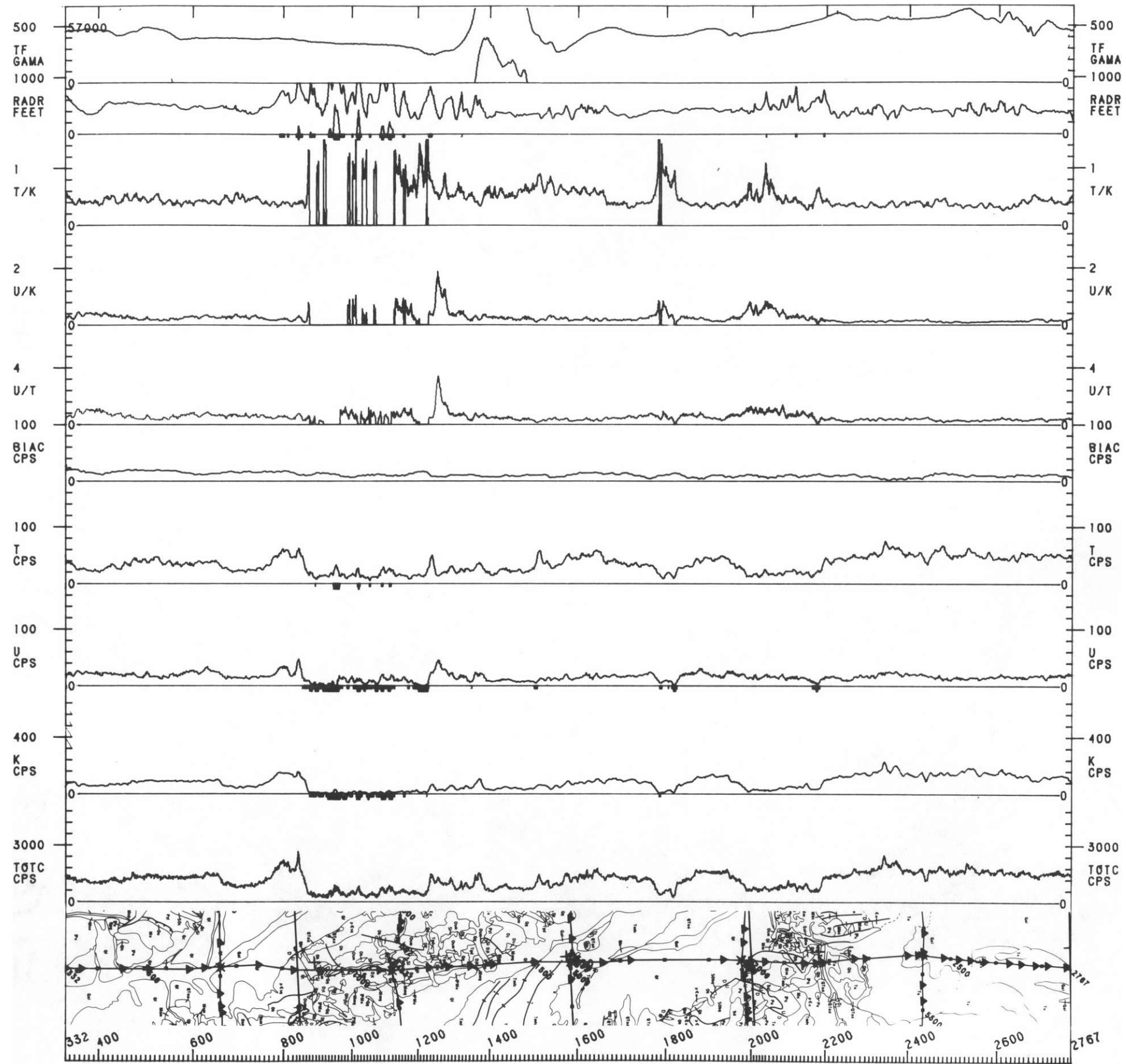


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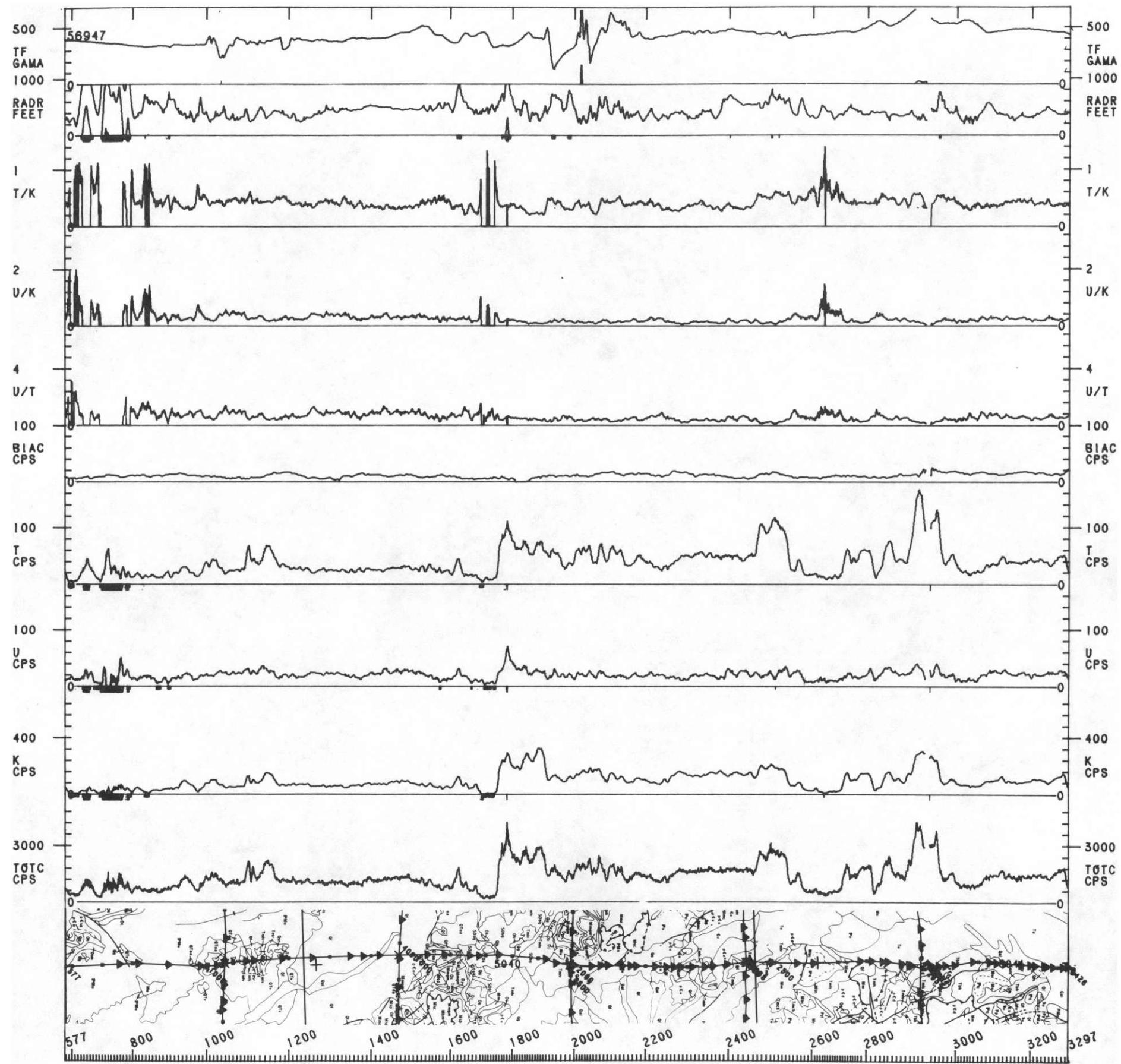


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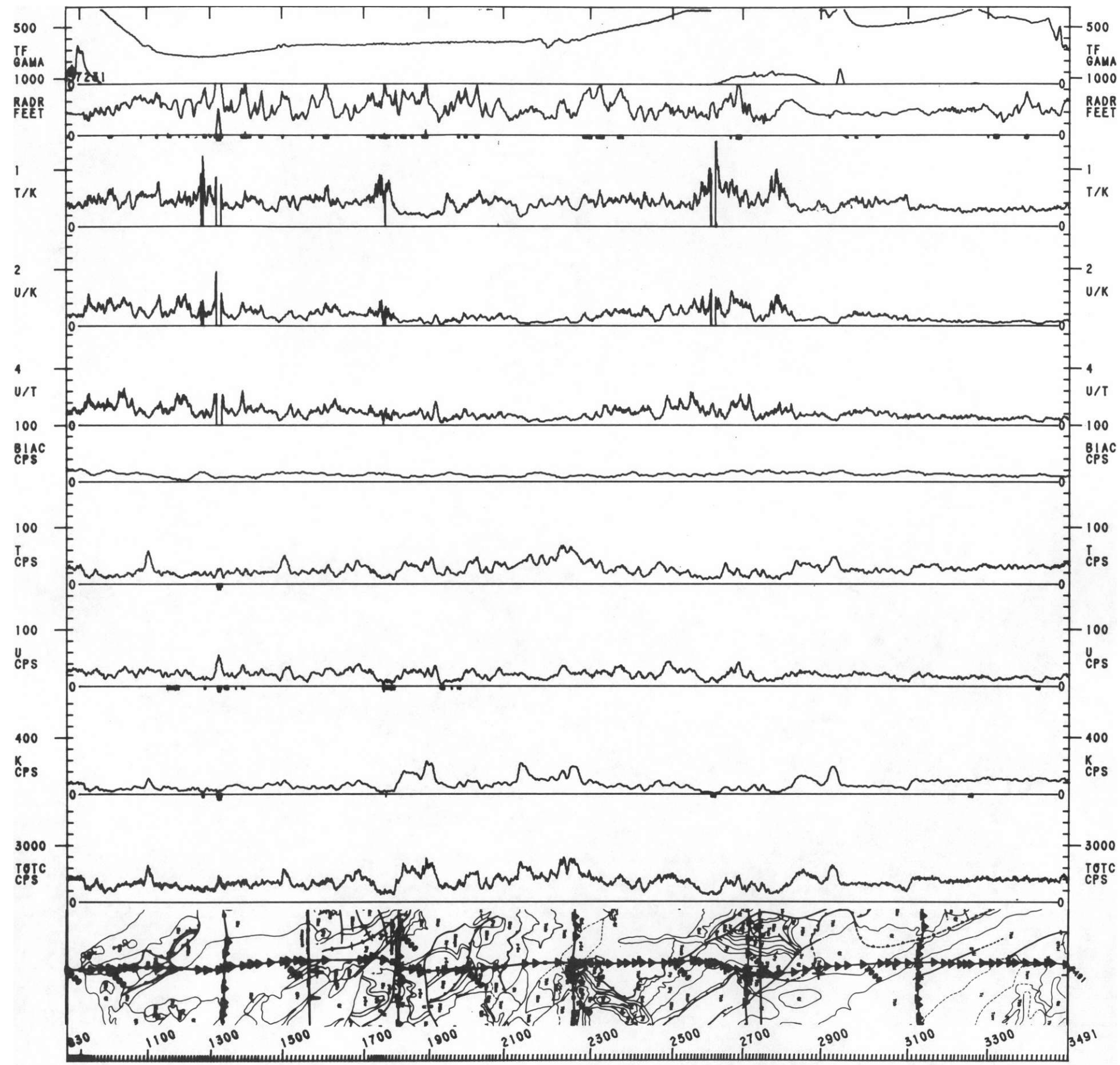


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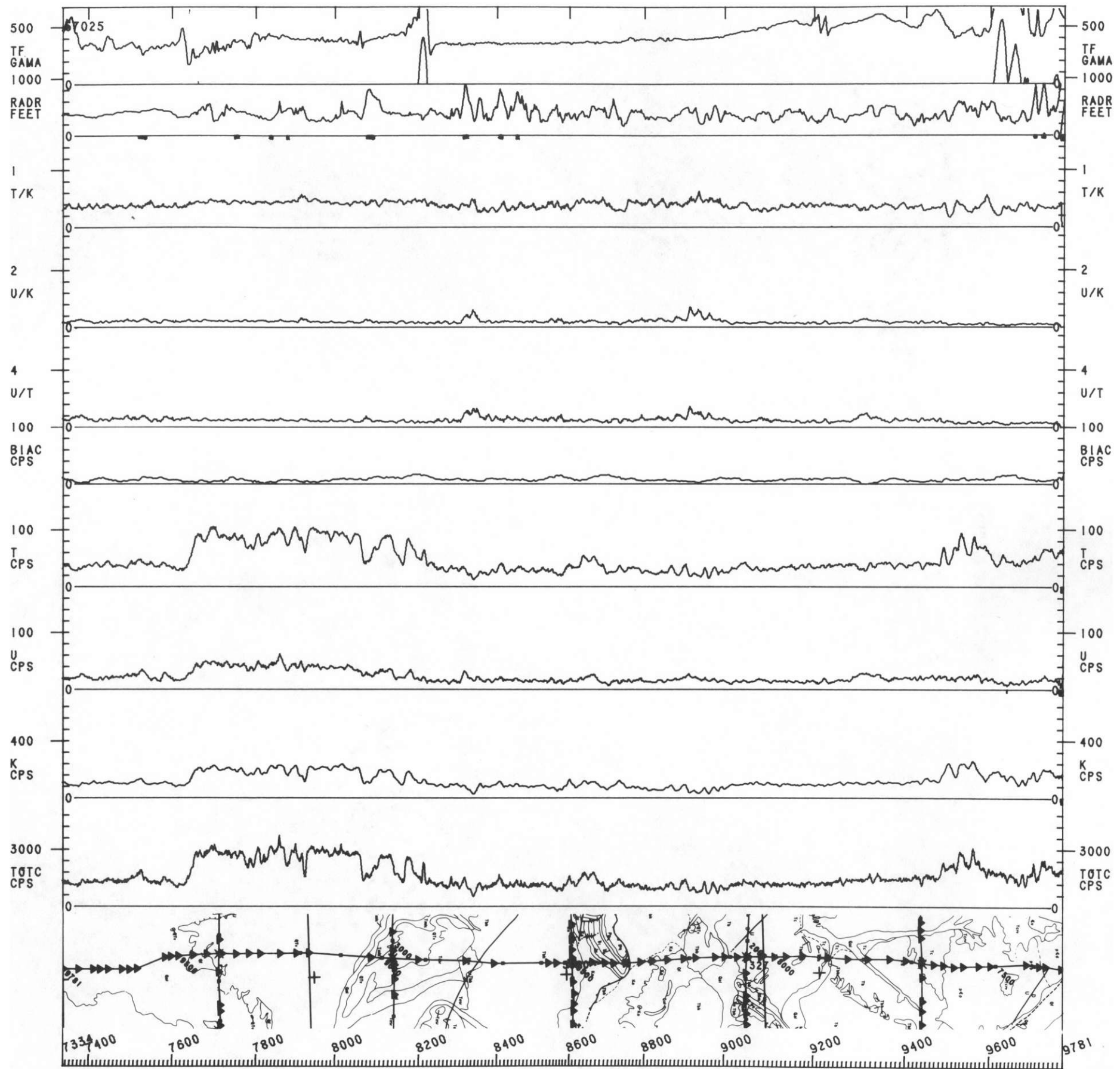


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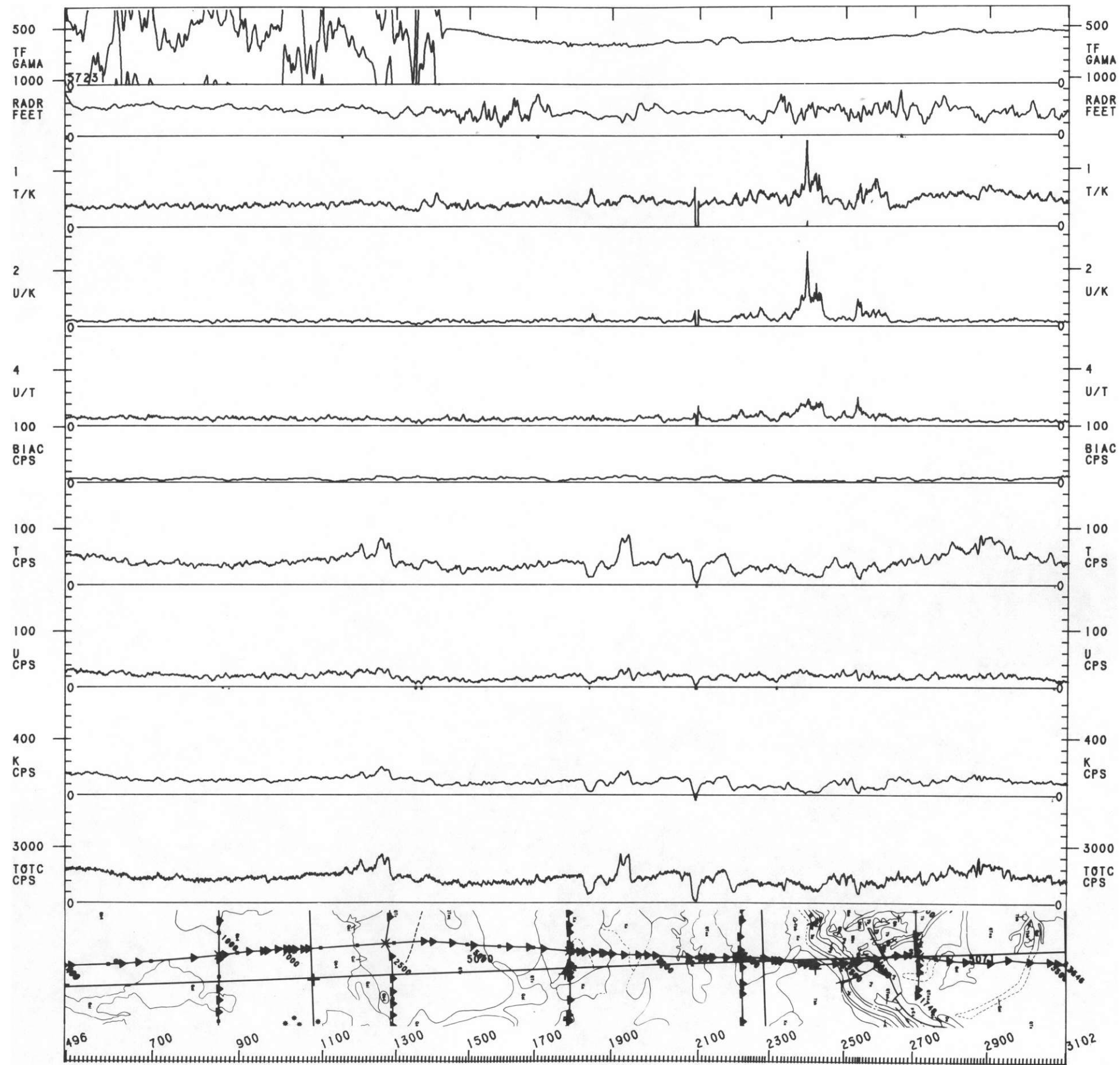


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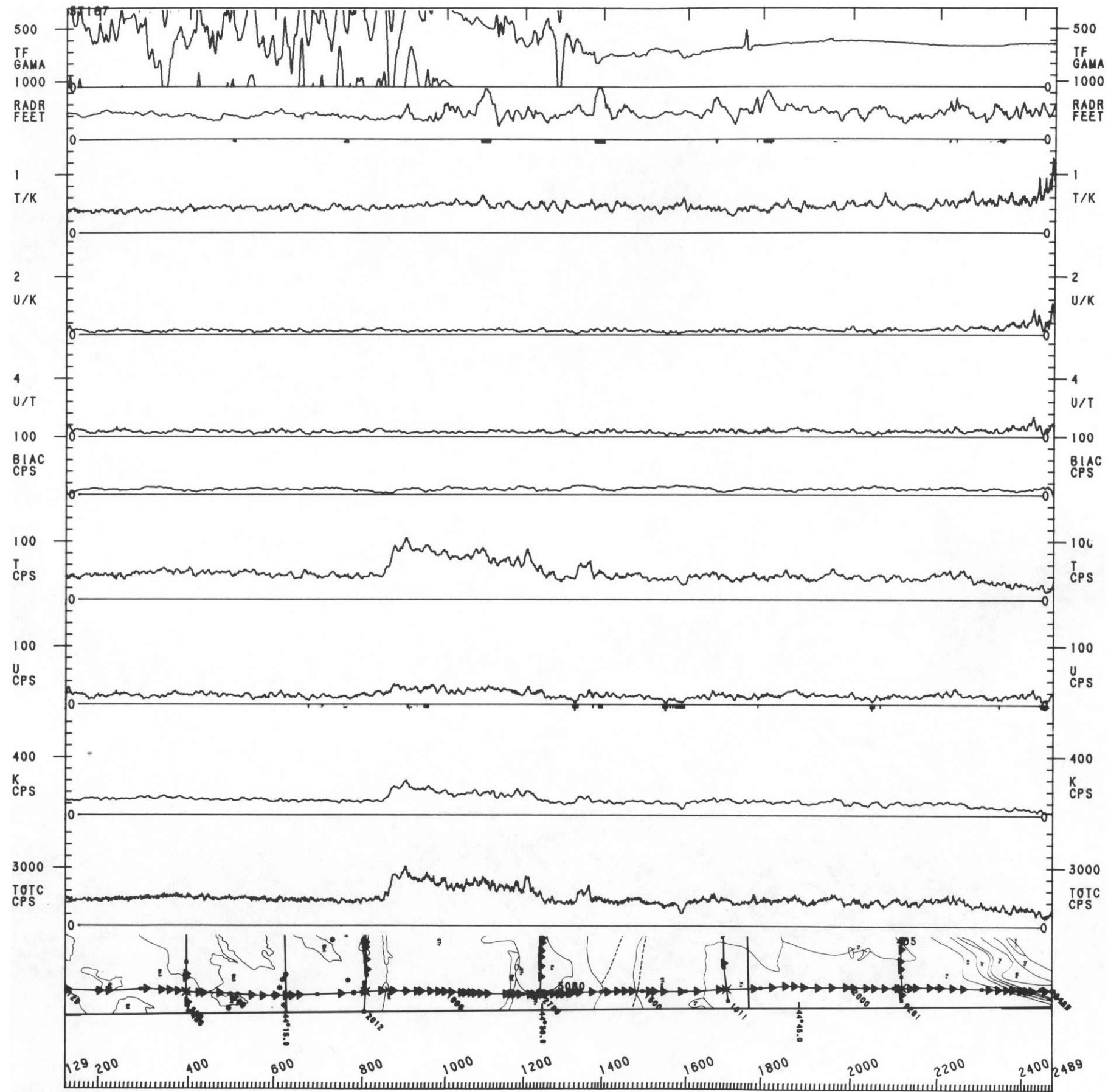


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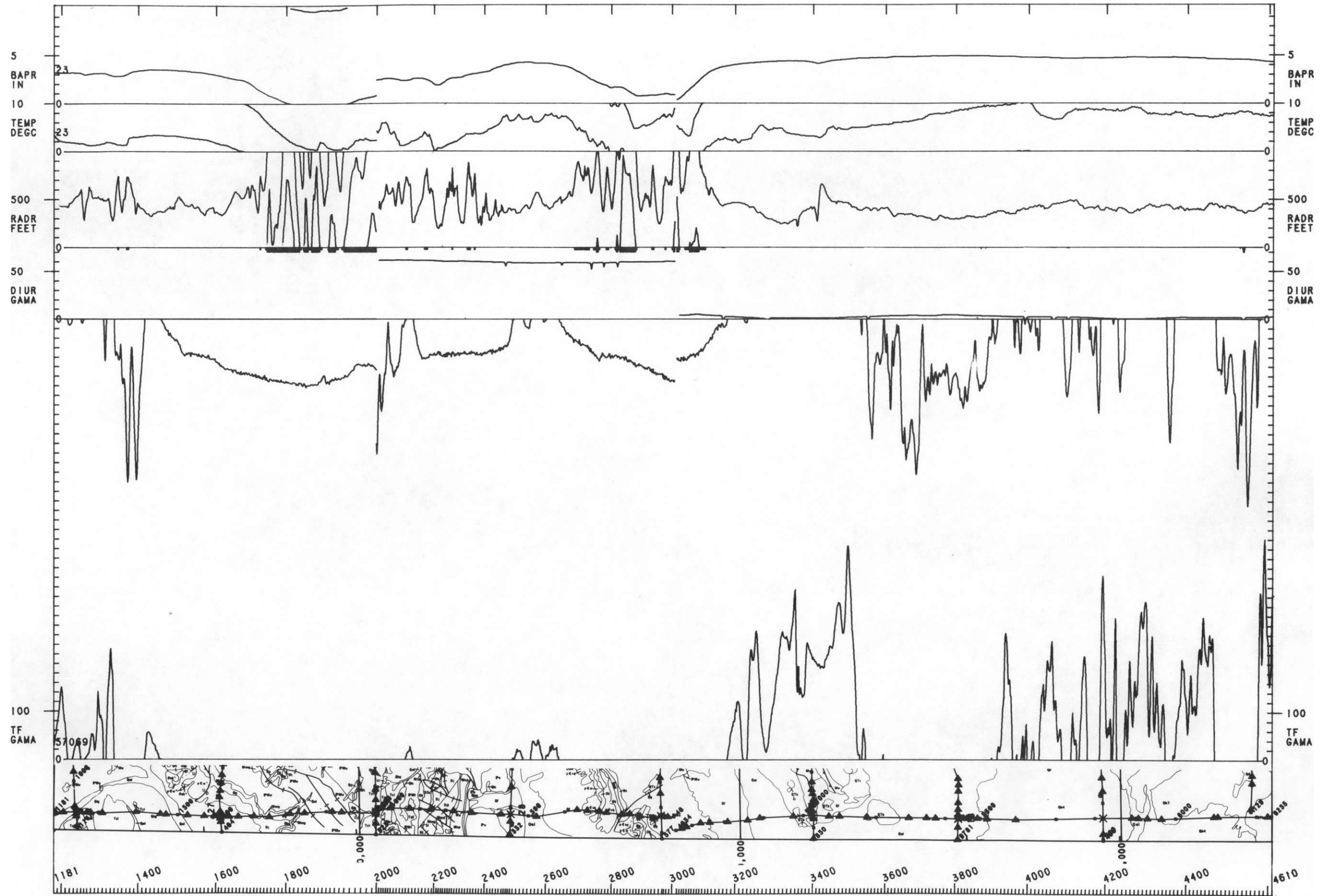


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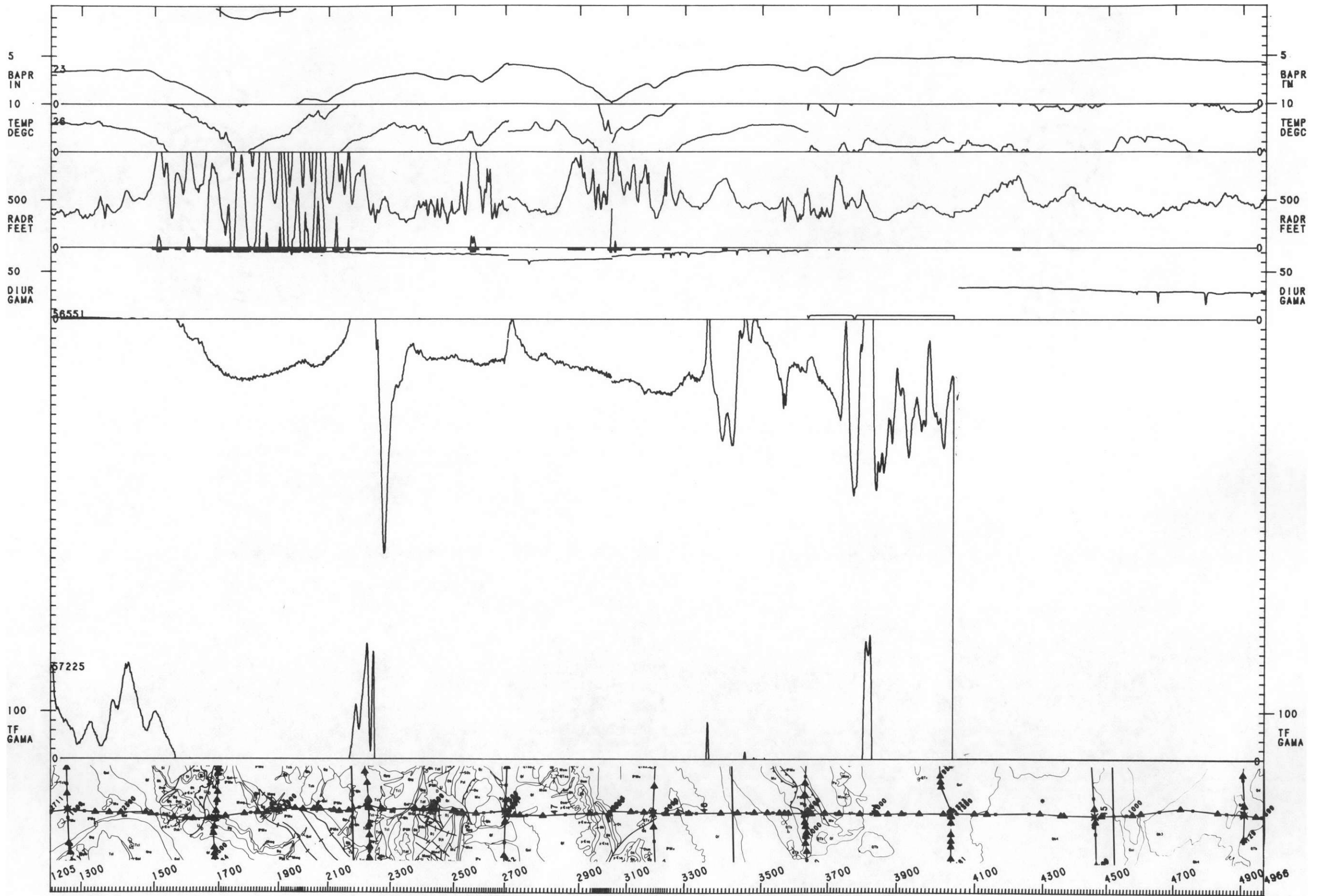


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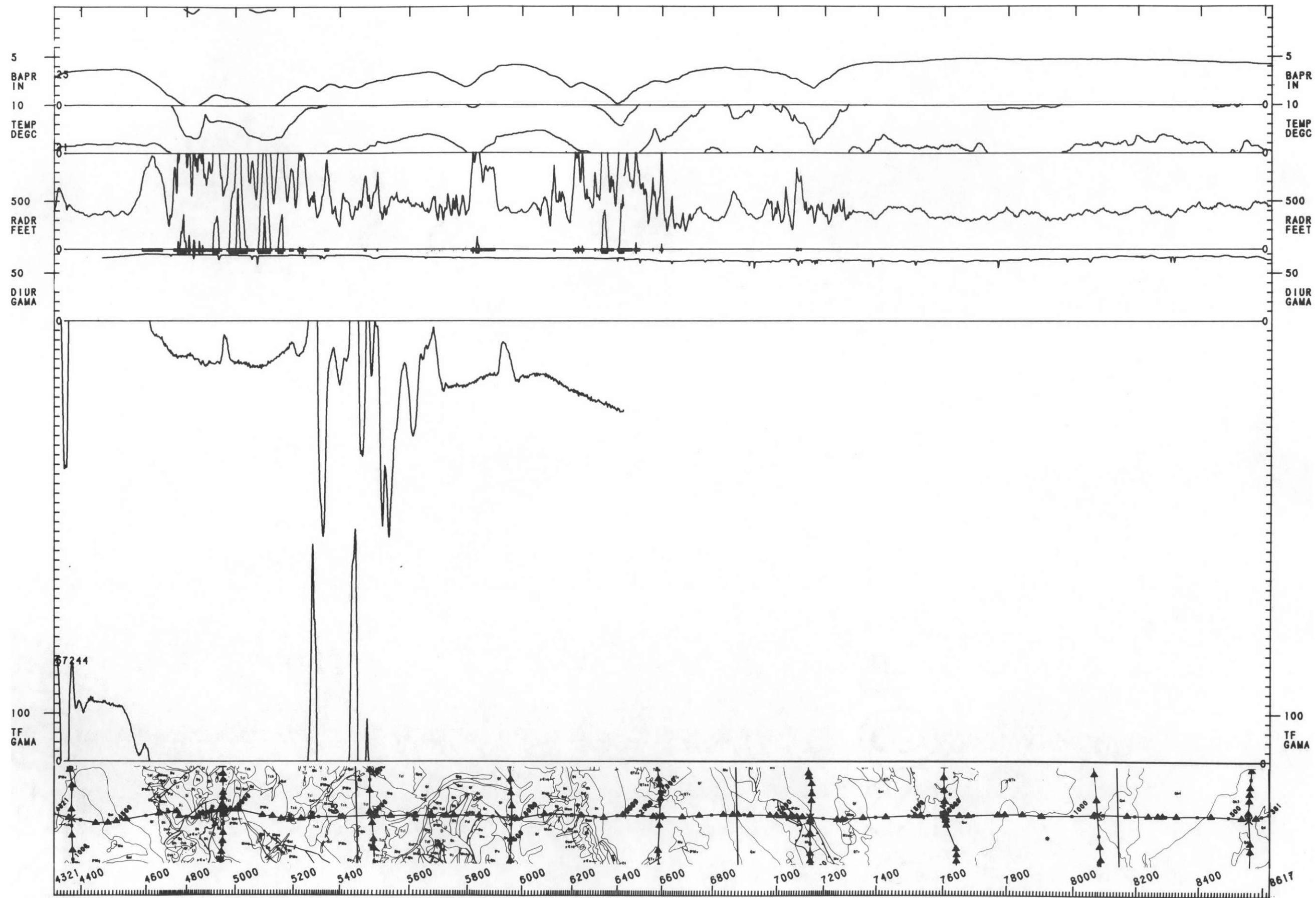
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DUBOIS QUAD
NL 12-10
LINE 20



→ 90° 0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 40

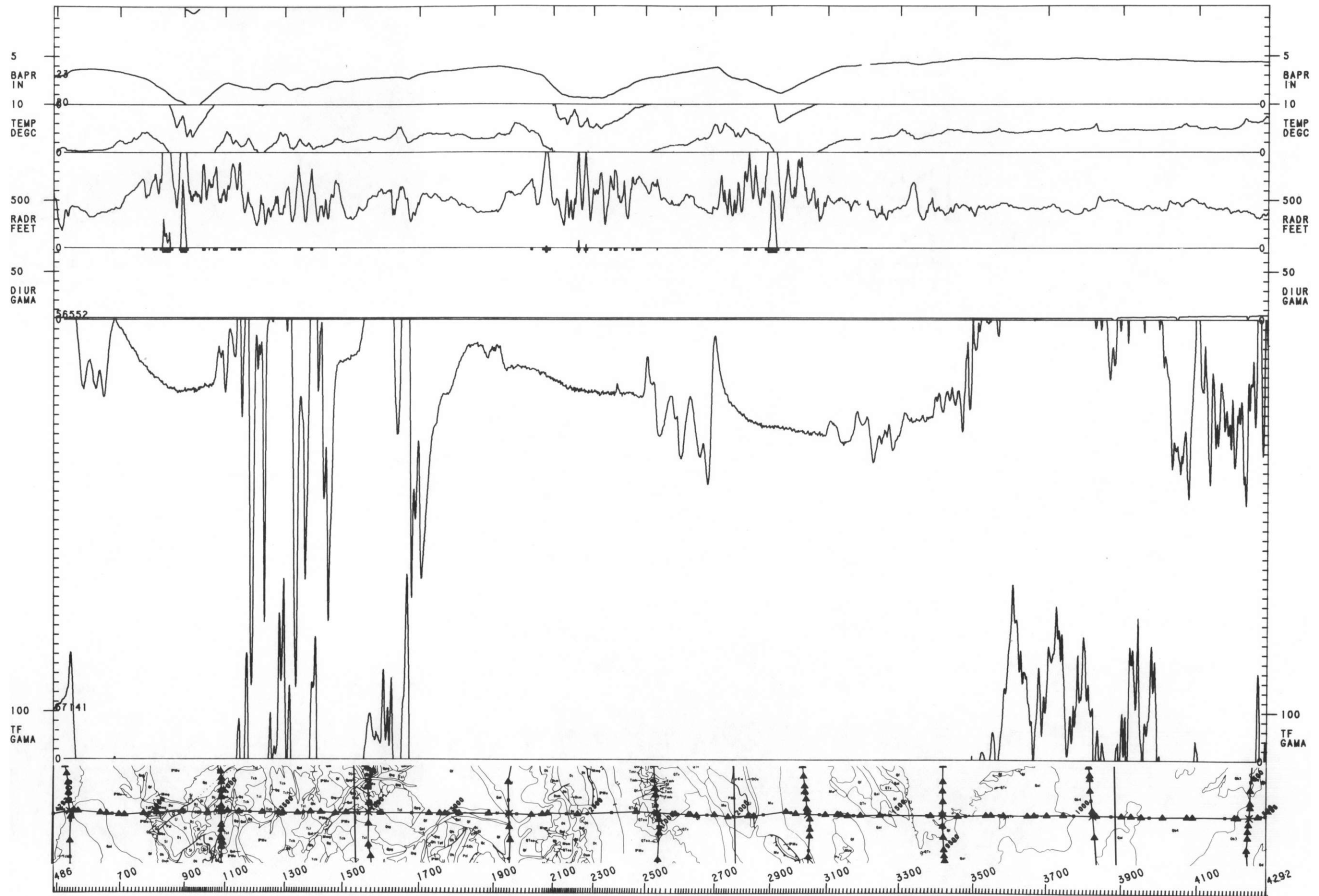


90°

0 1 2 3 4 5 MILES
 0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
 JOB 8613
 FLOWN 1978

DOE/NURE
 DUBOIS QUAD
 NL 12-10
 LINE 60

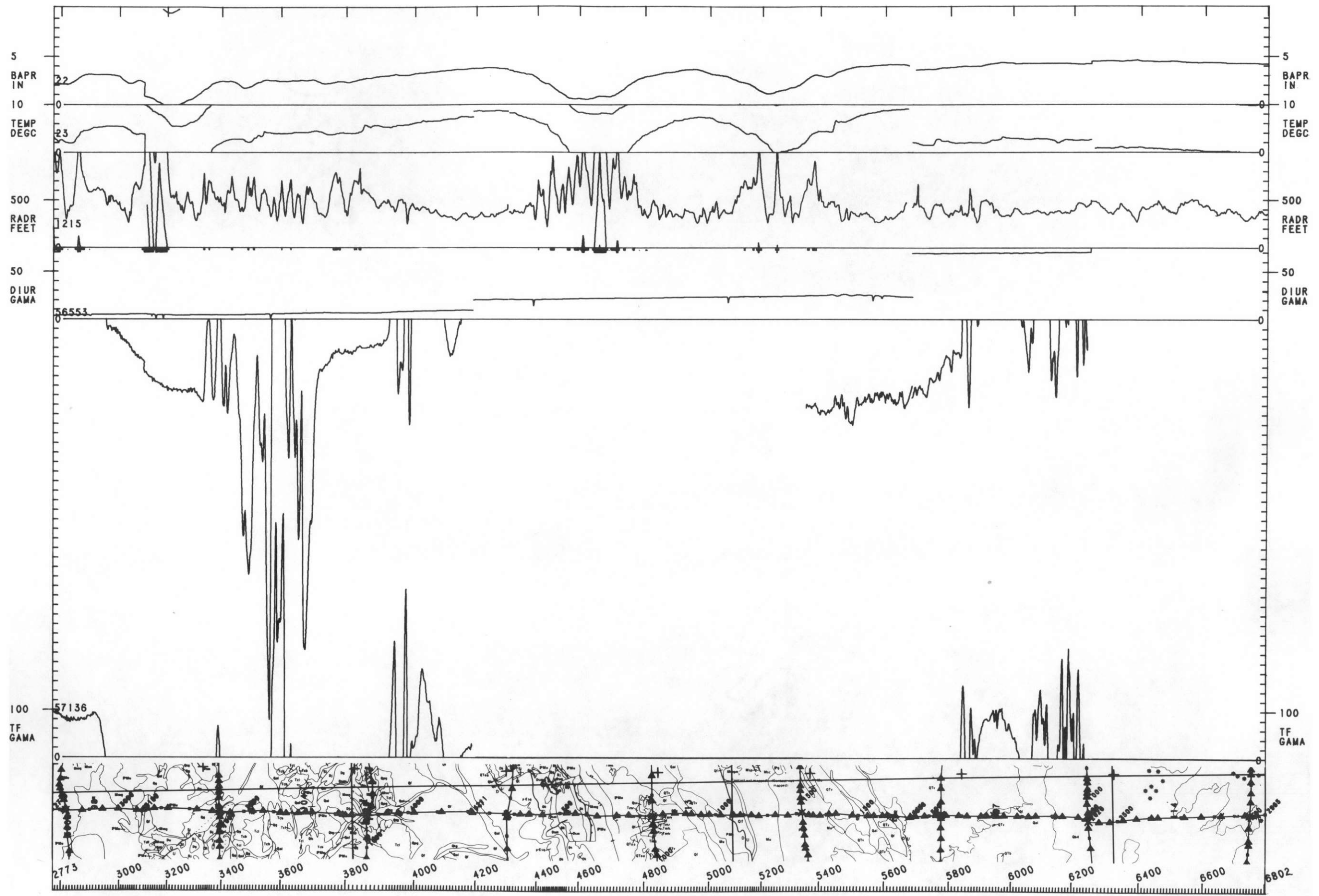


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 80

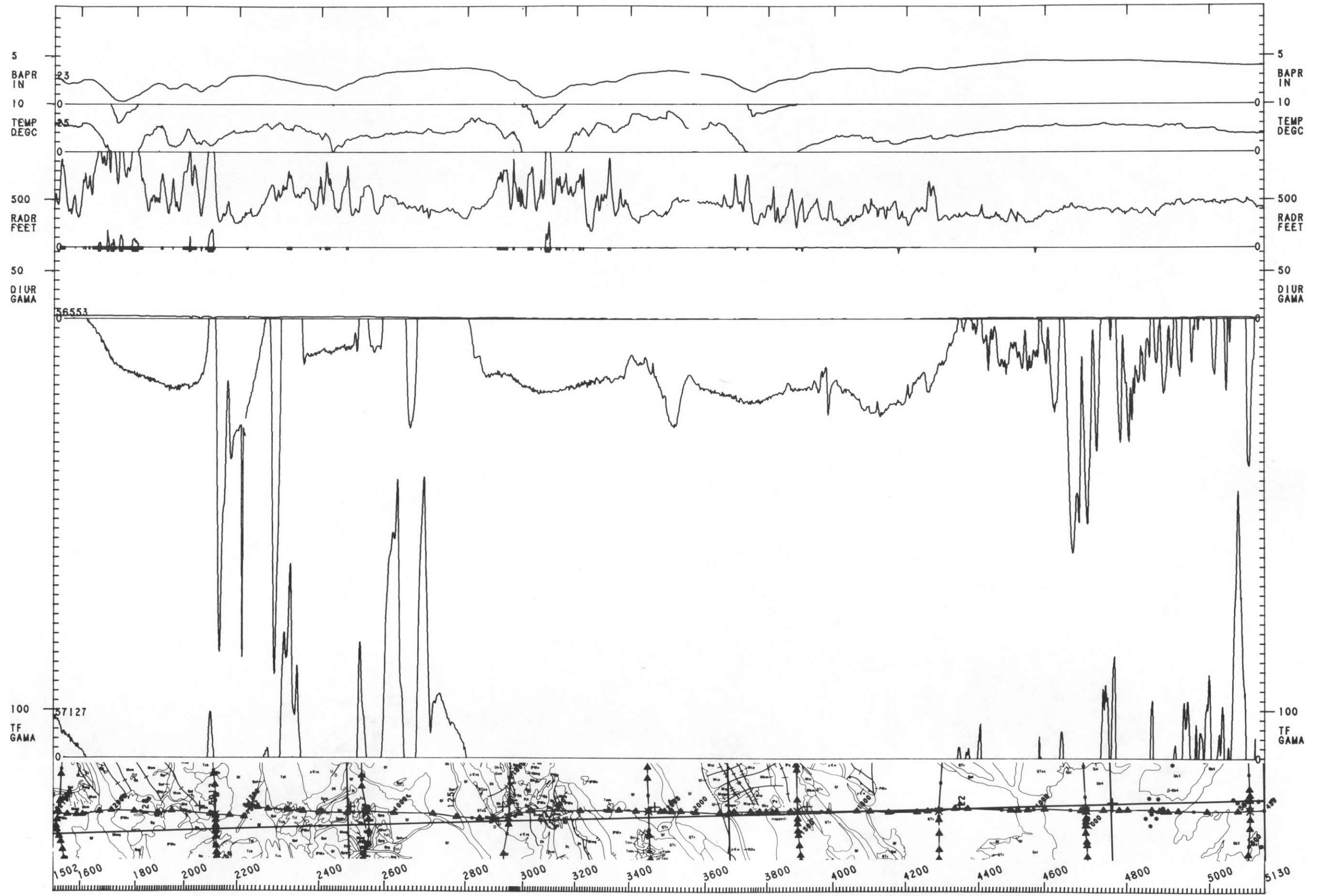


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 100

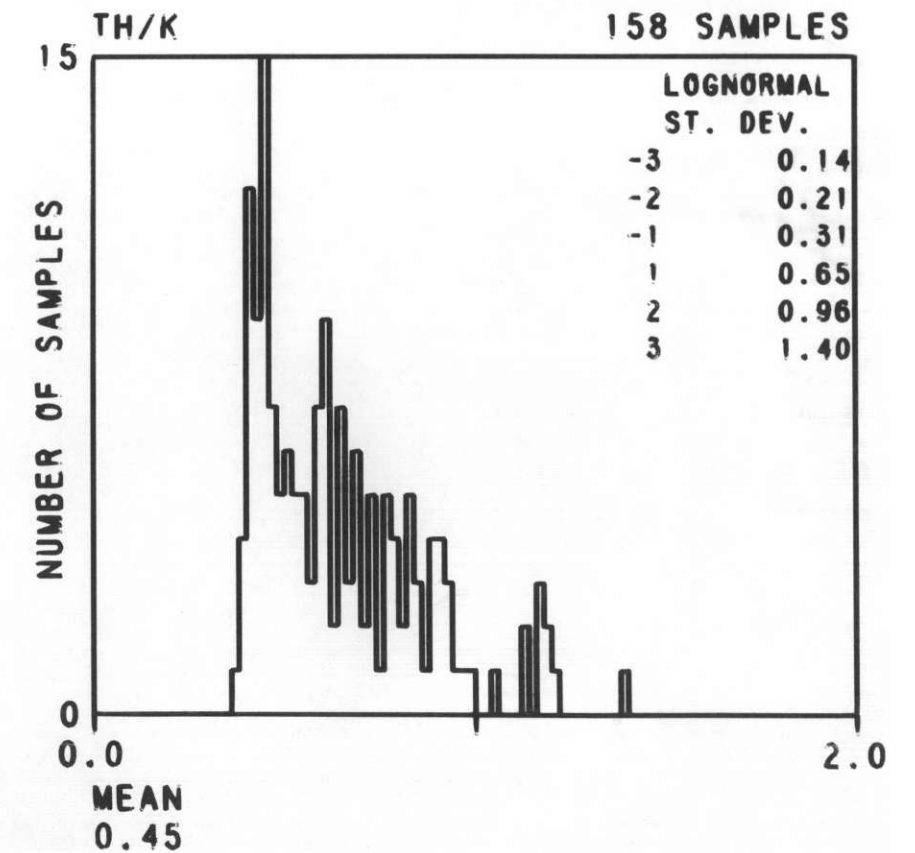
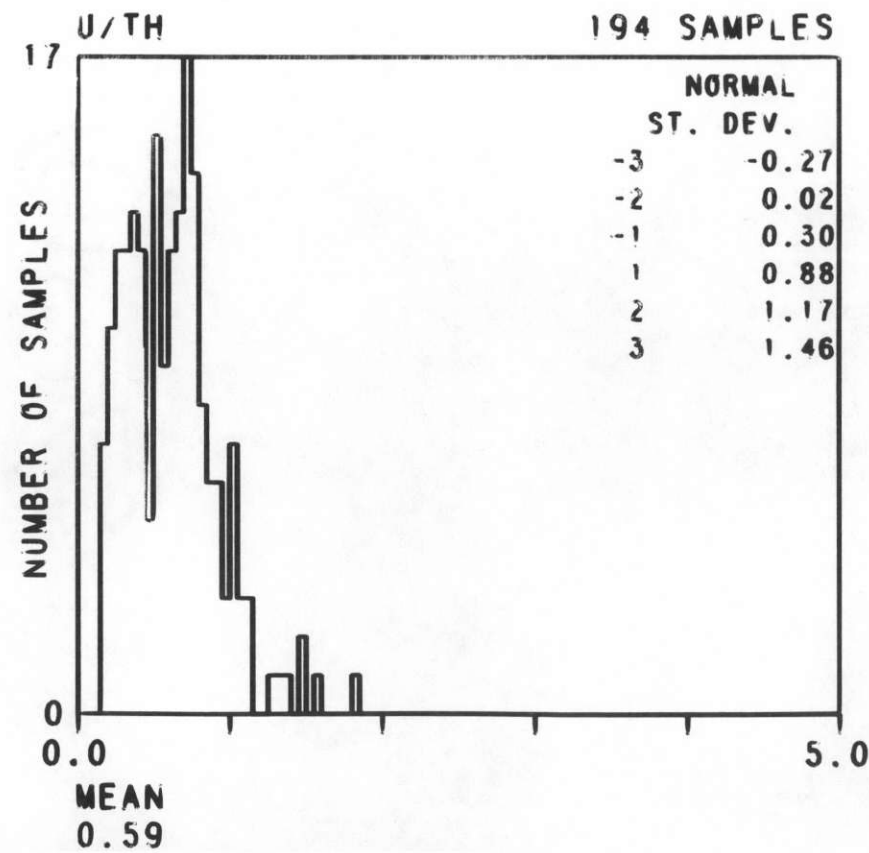
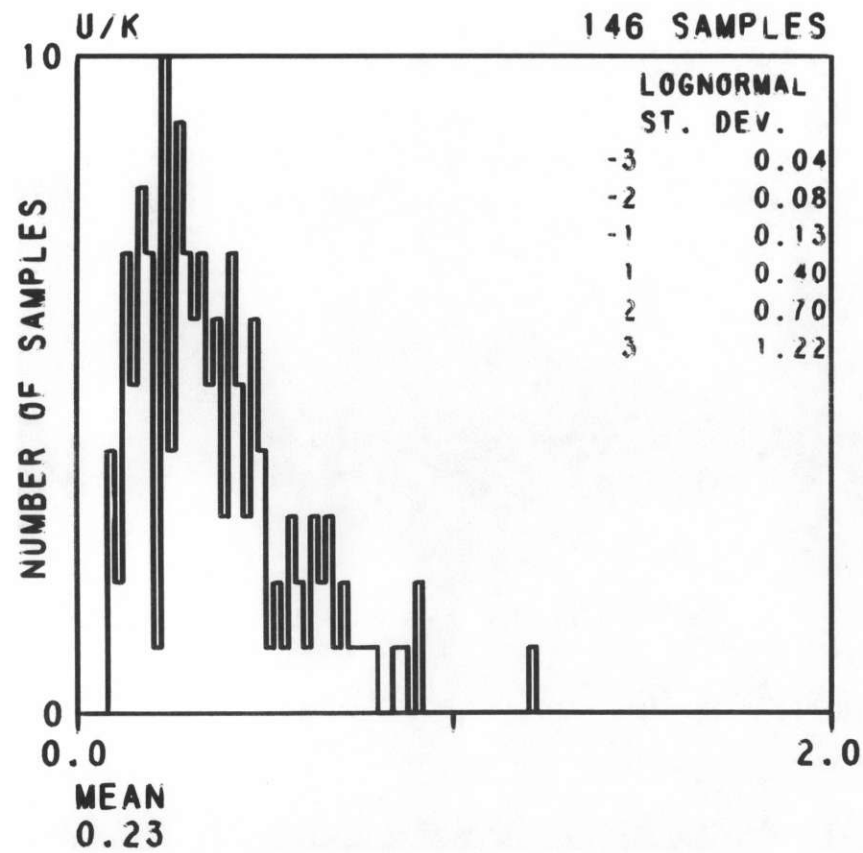
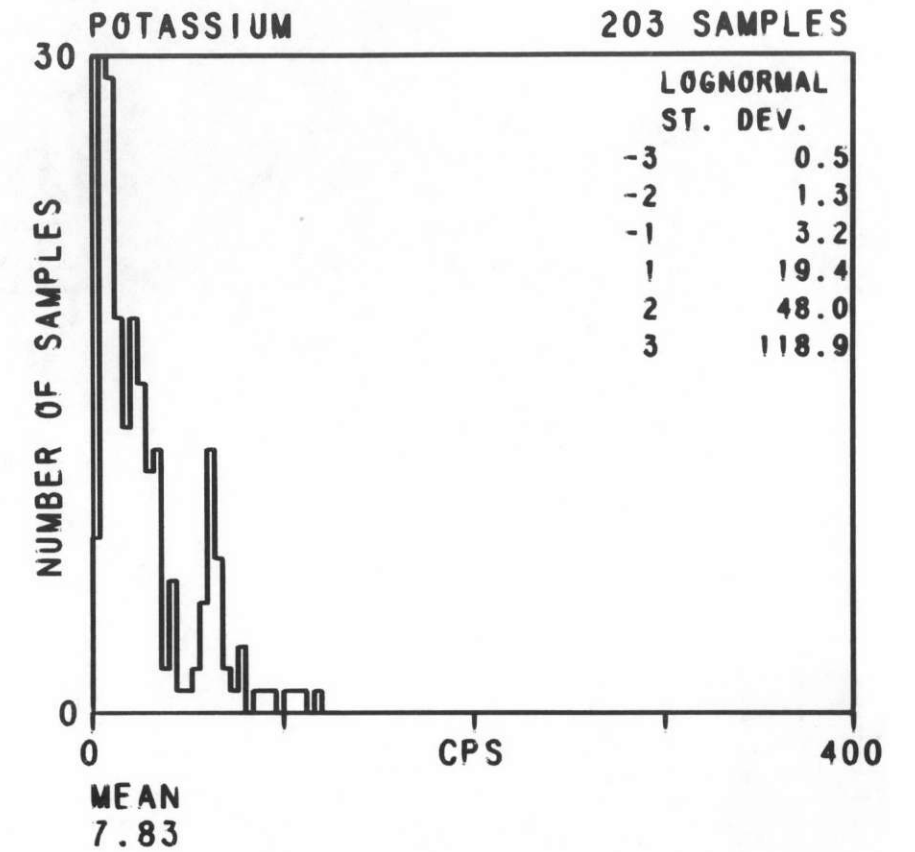
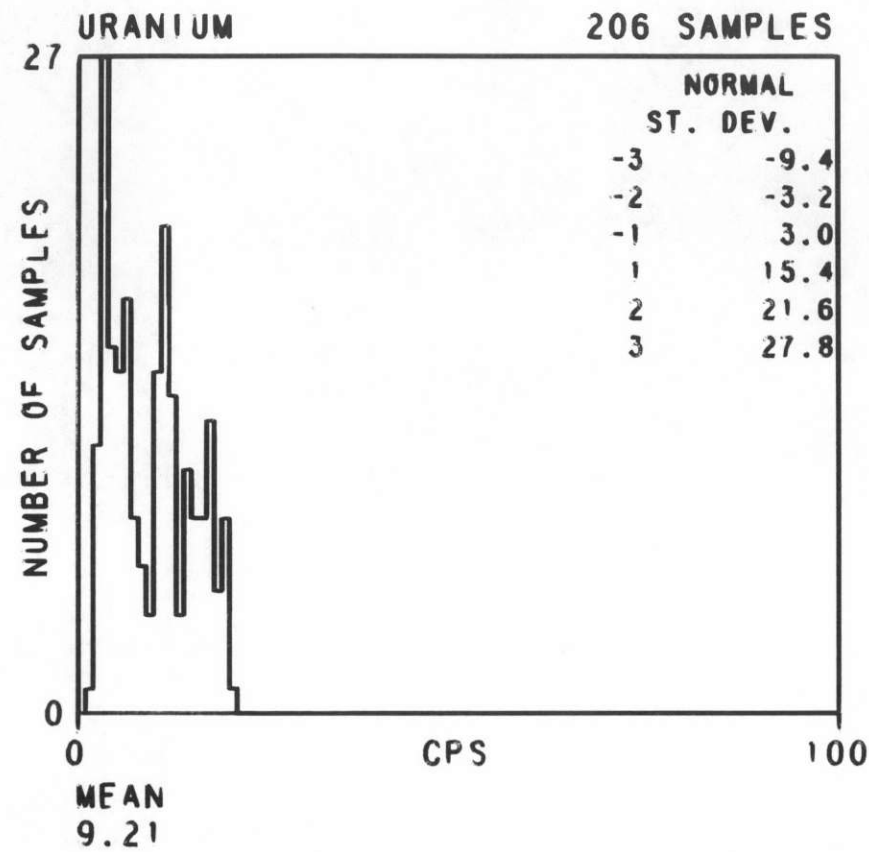
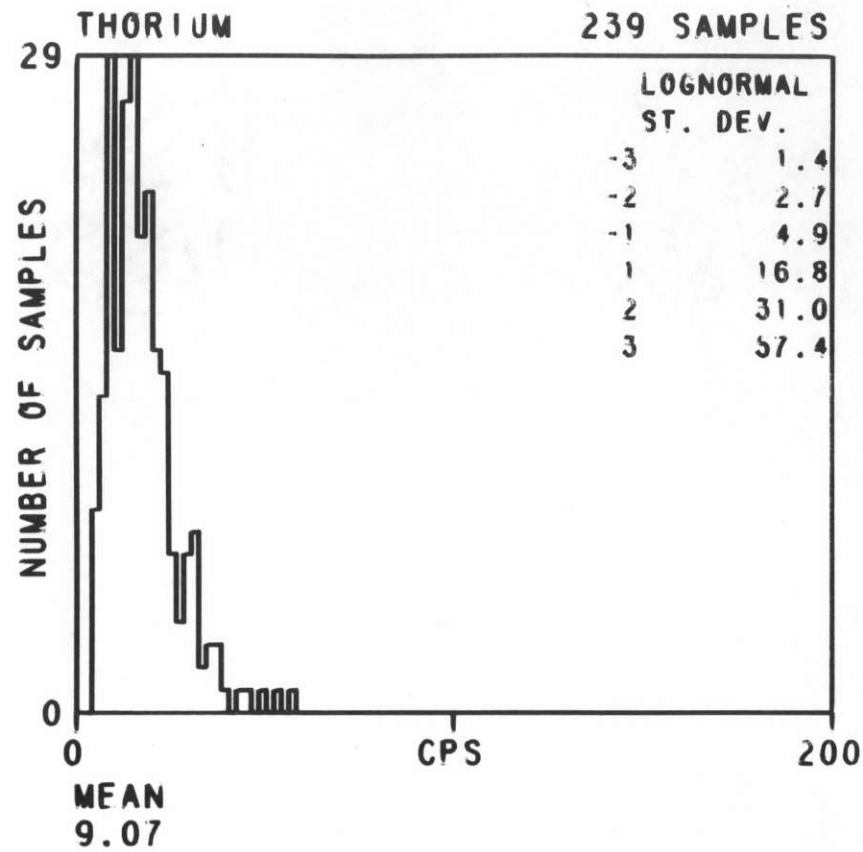


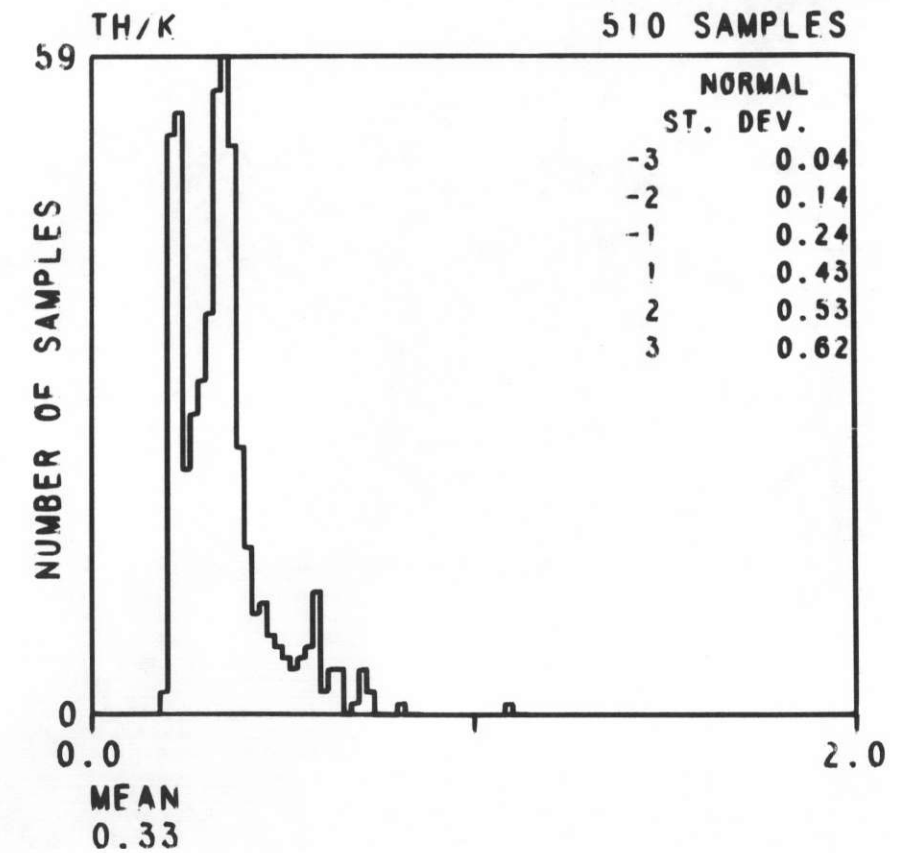
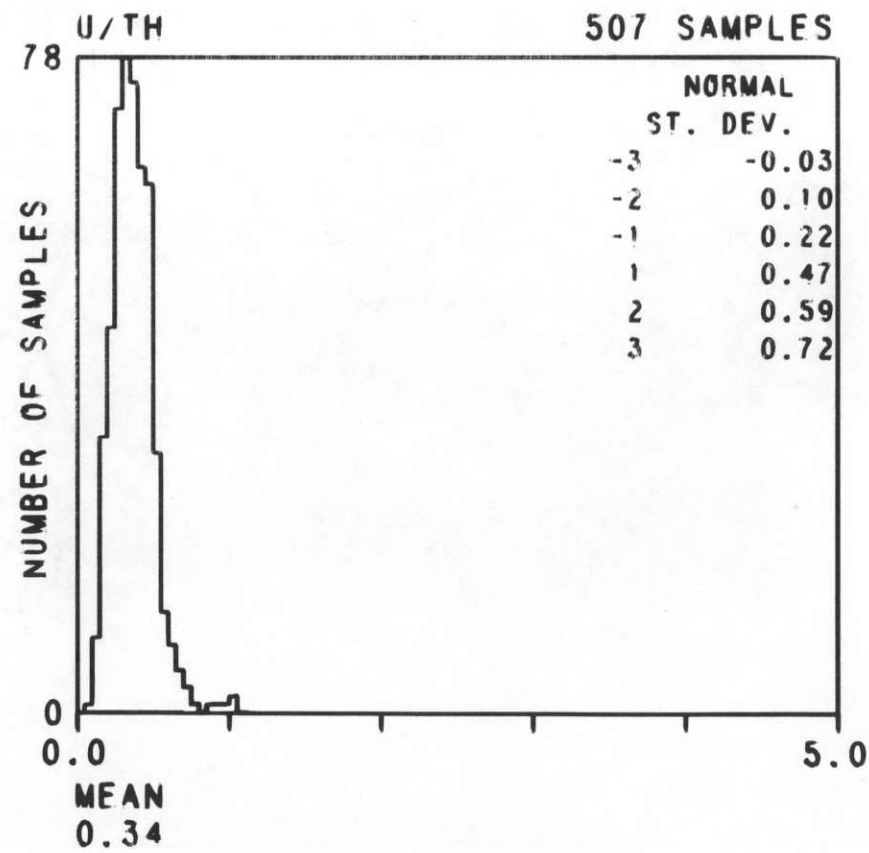
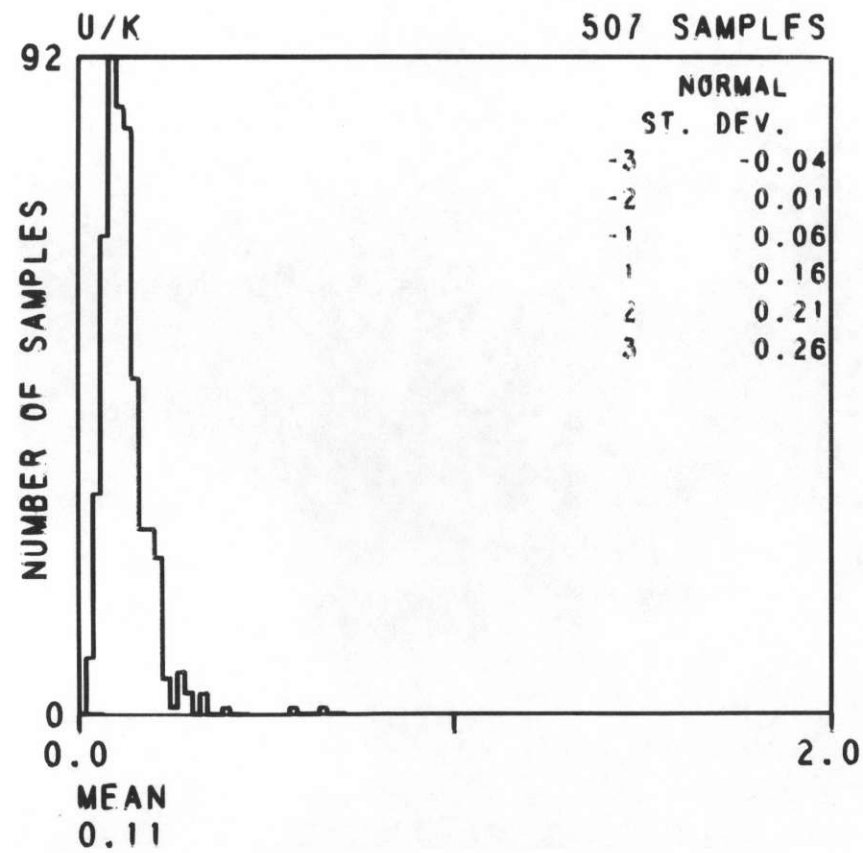
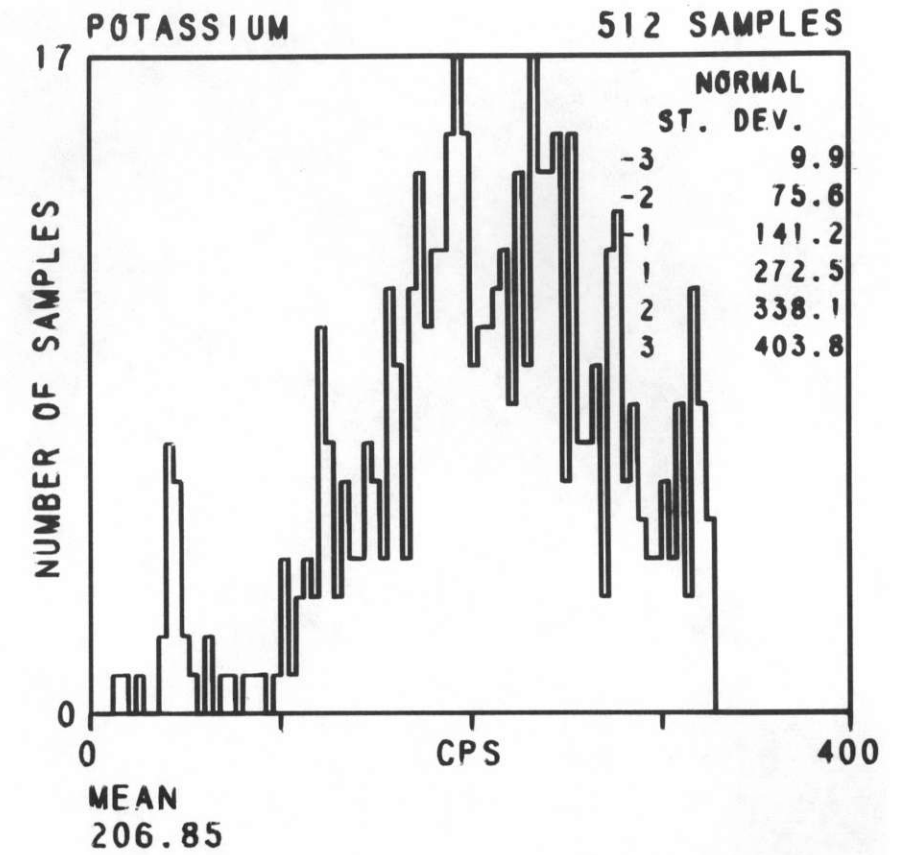
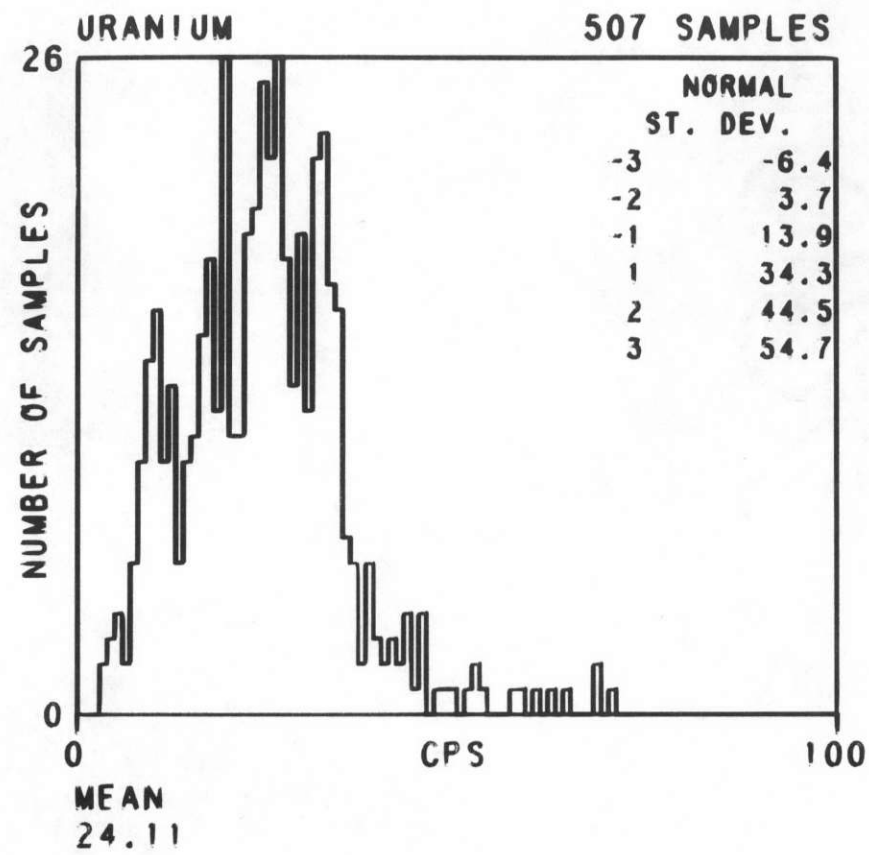
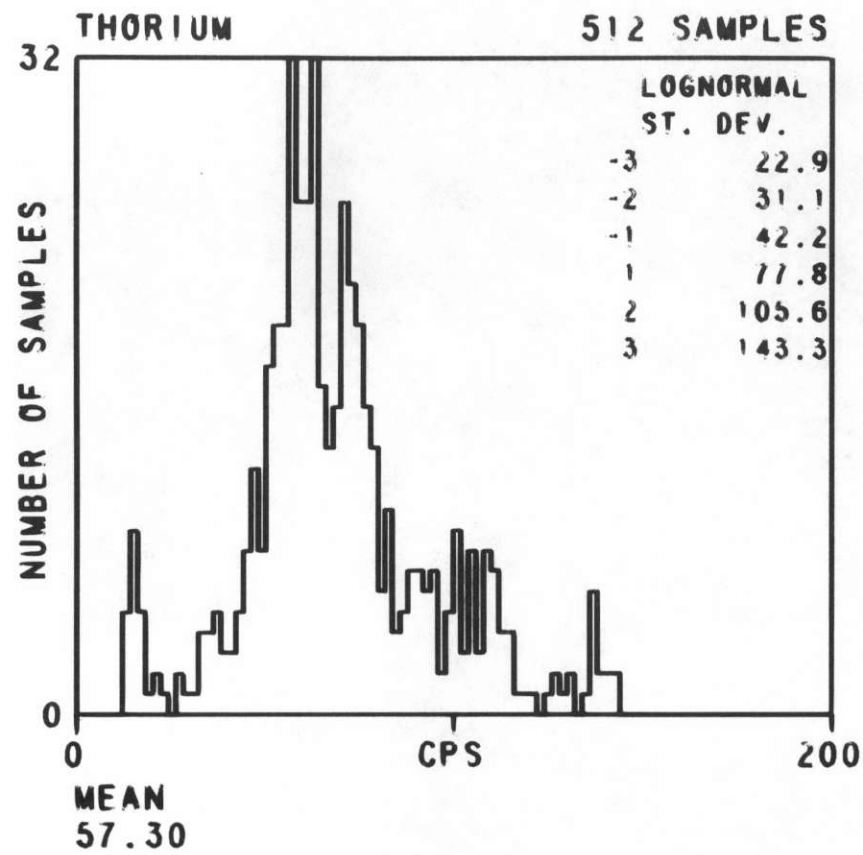
→ 90°

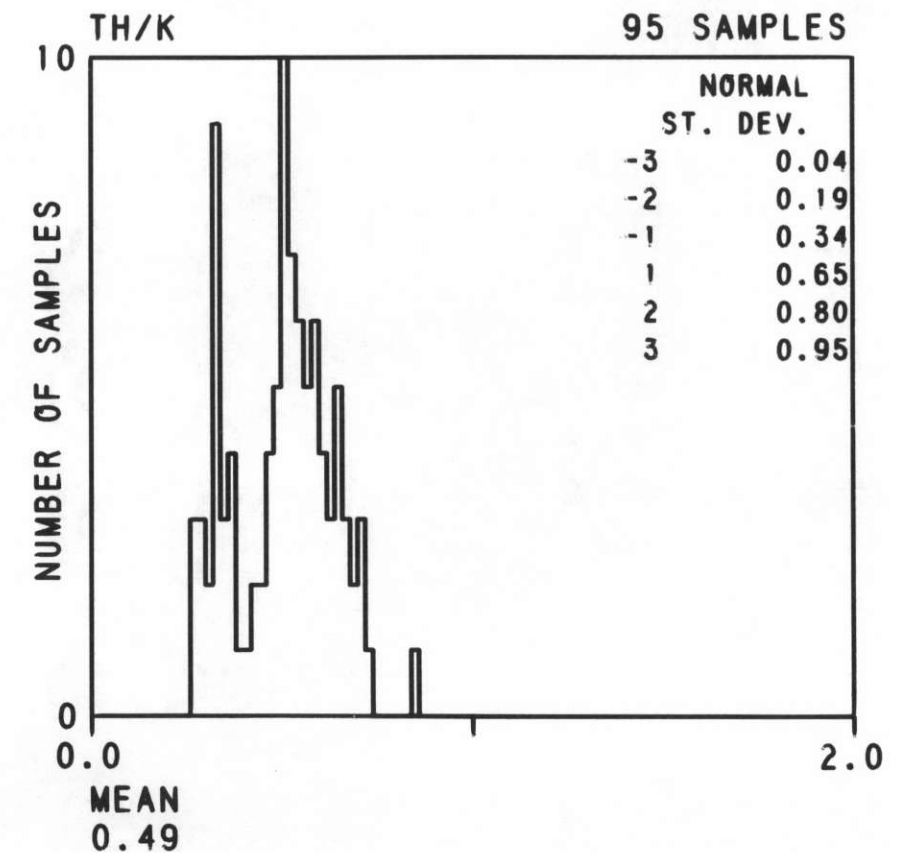
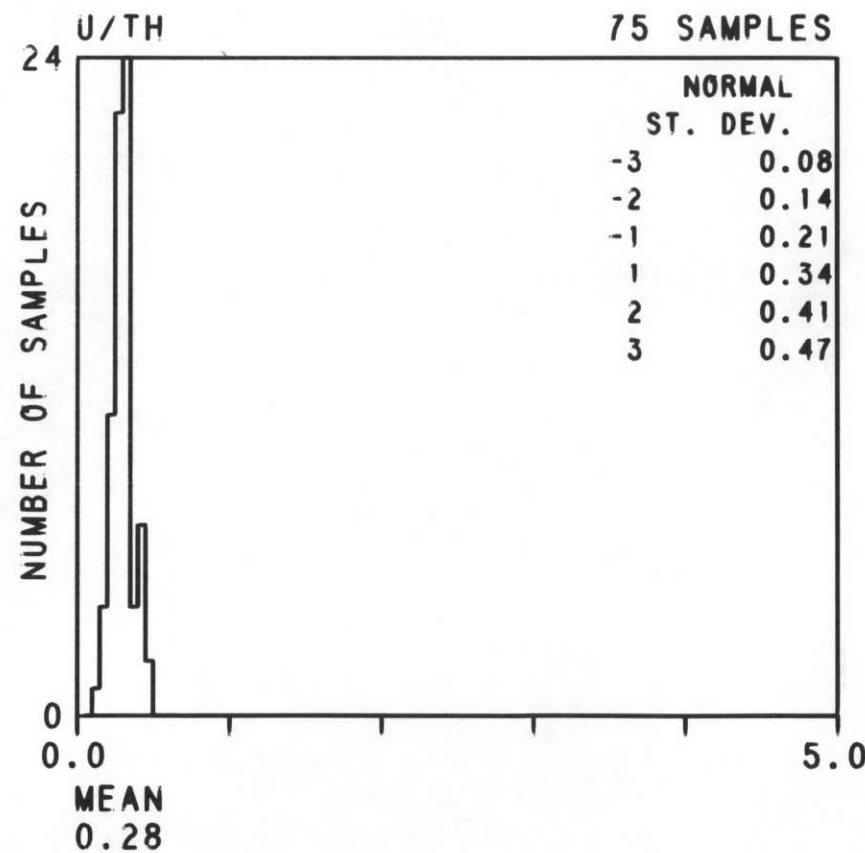
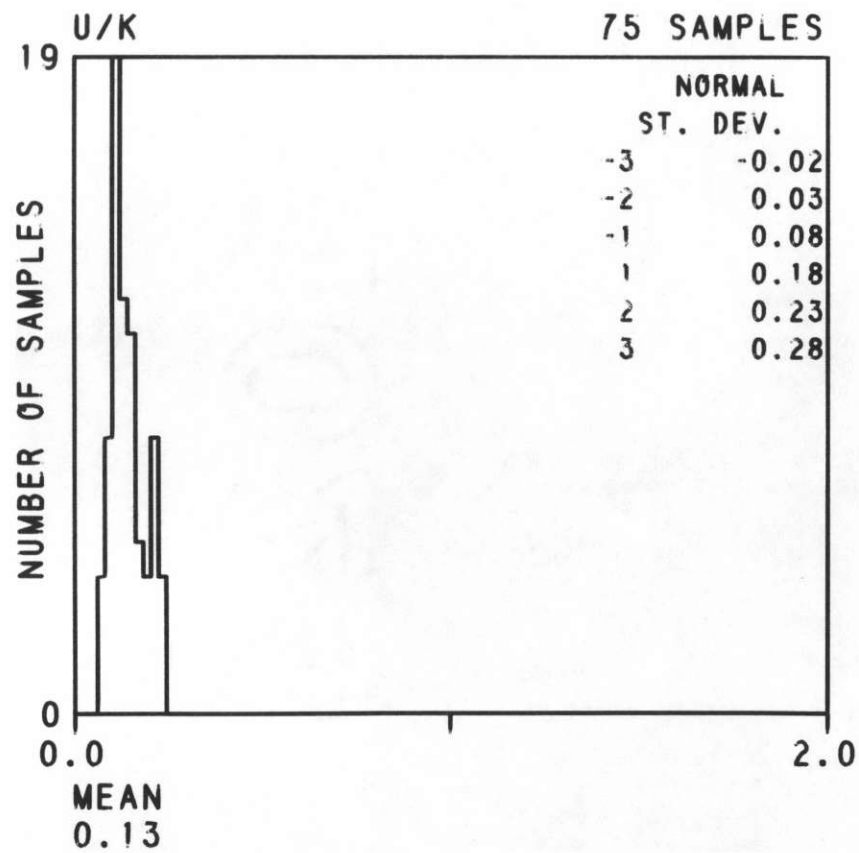
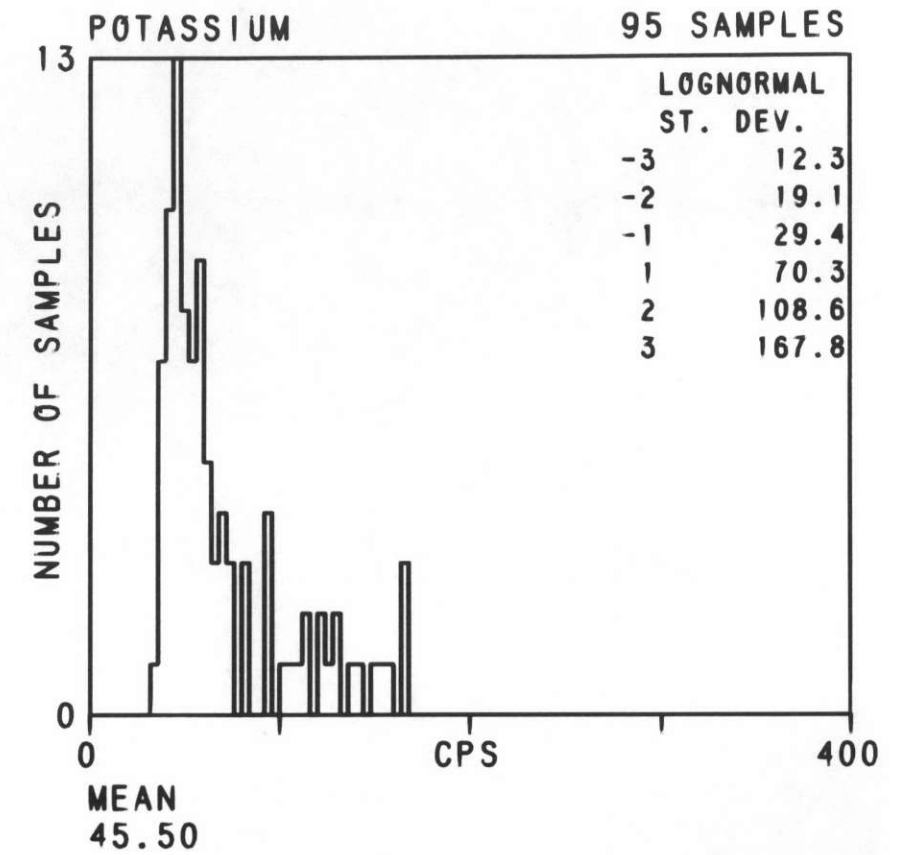
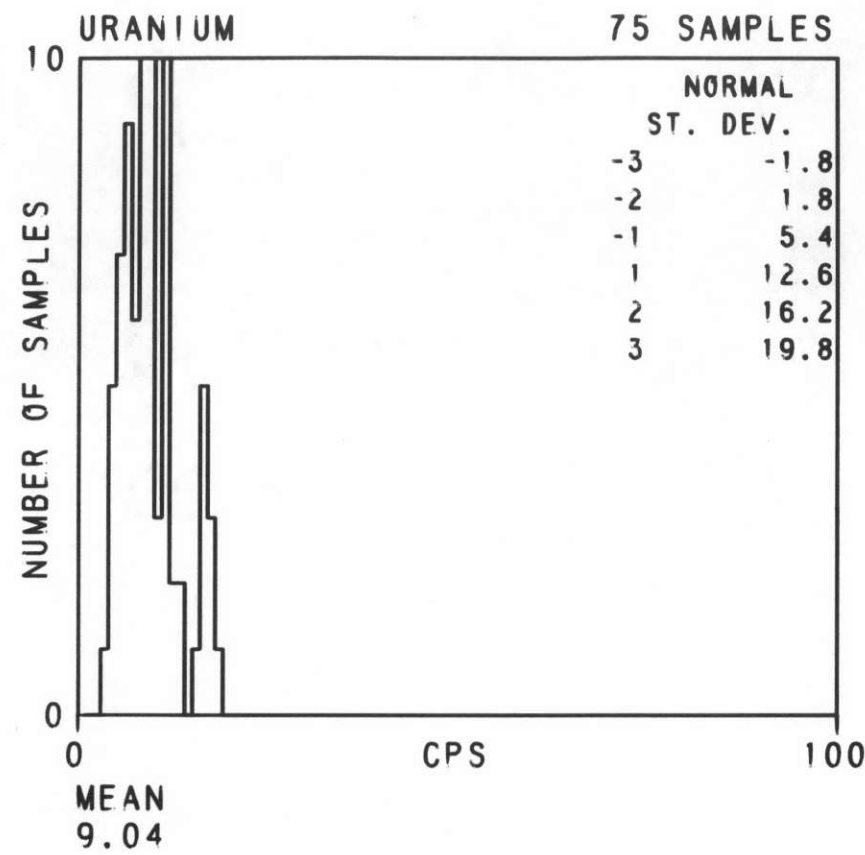
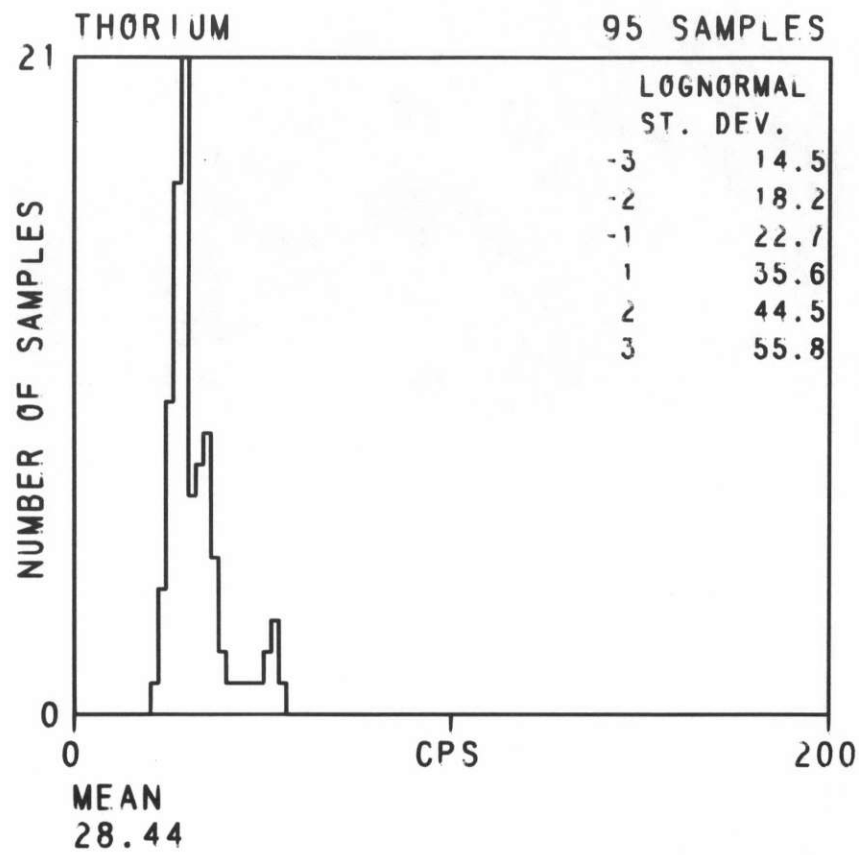
0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

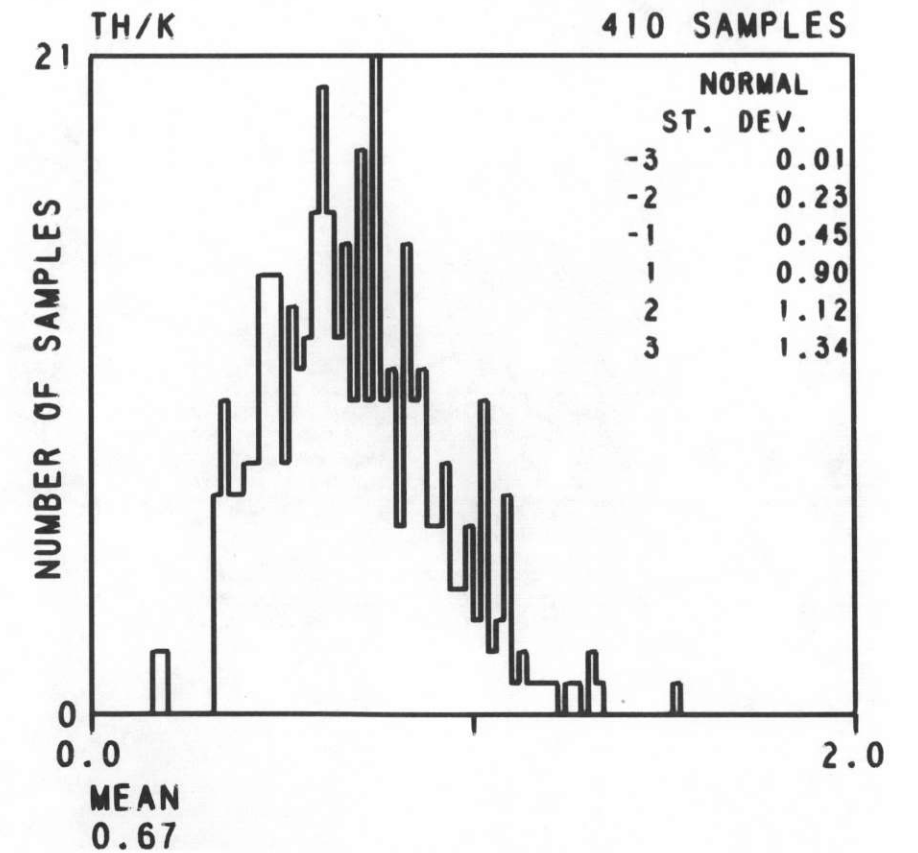
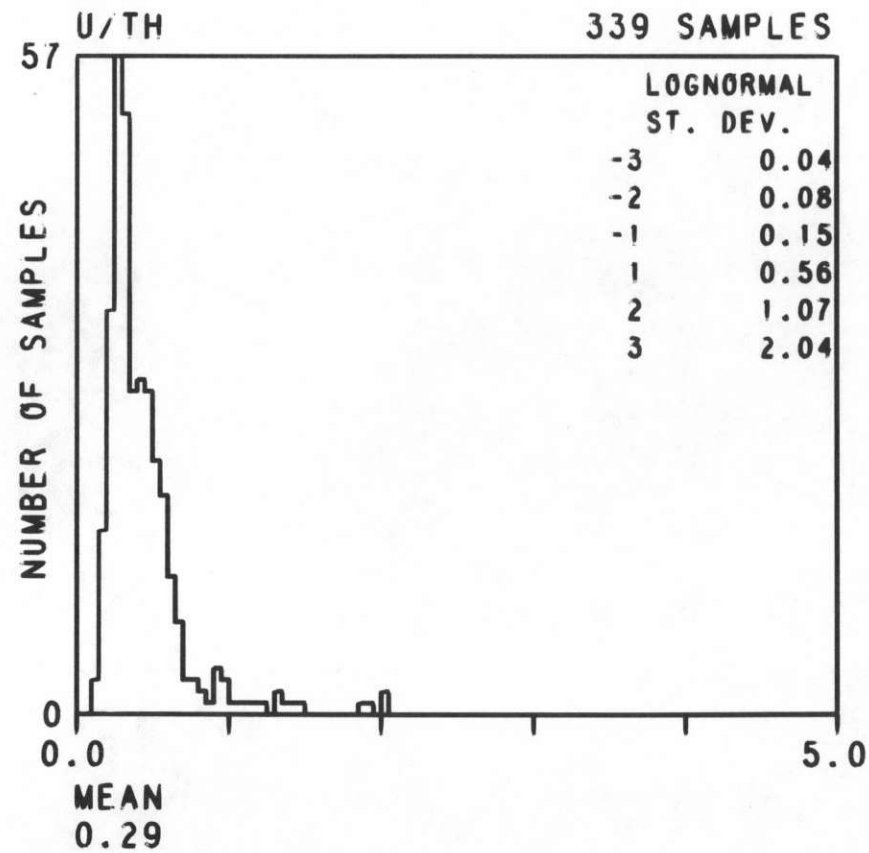
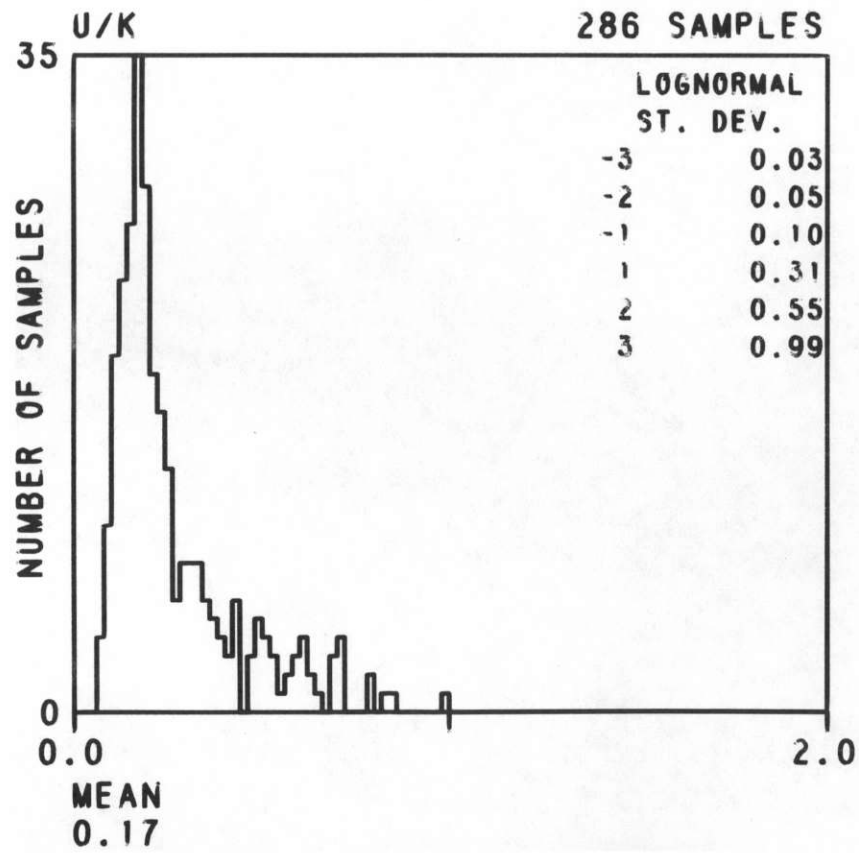
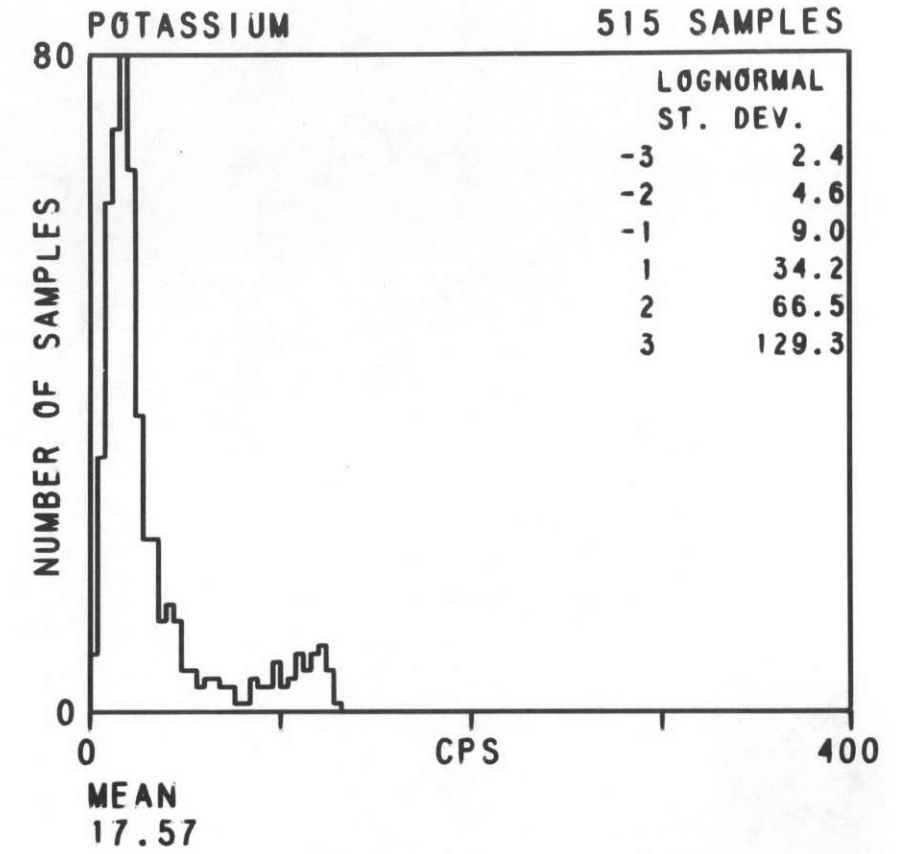
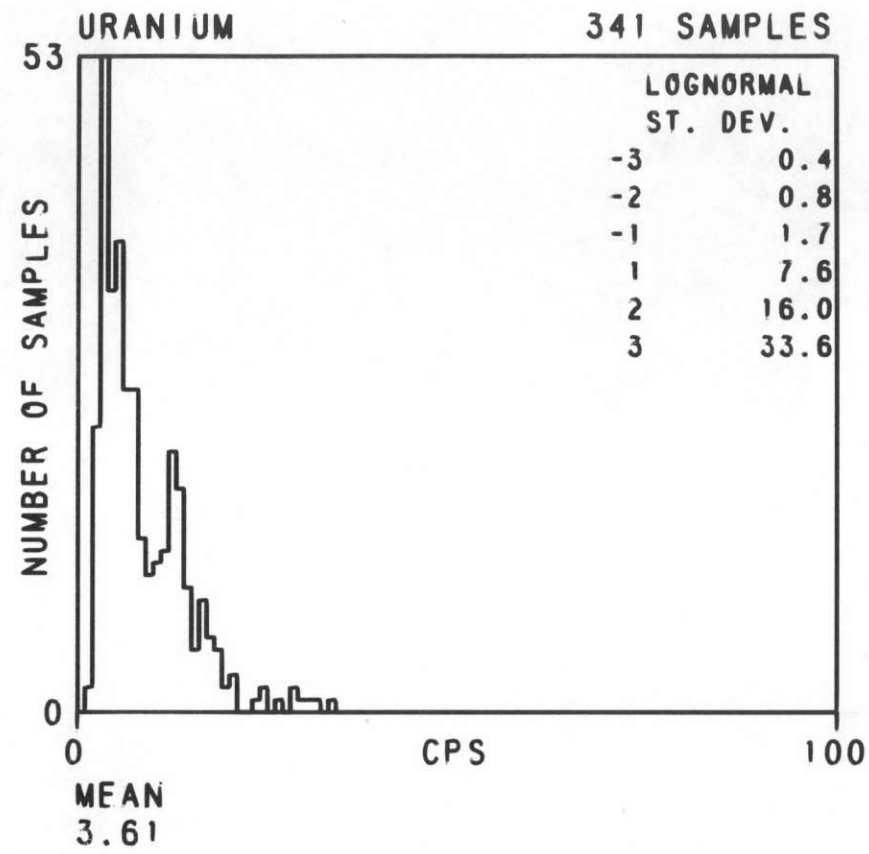
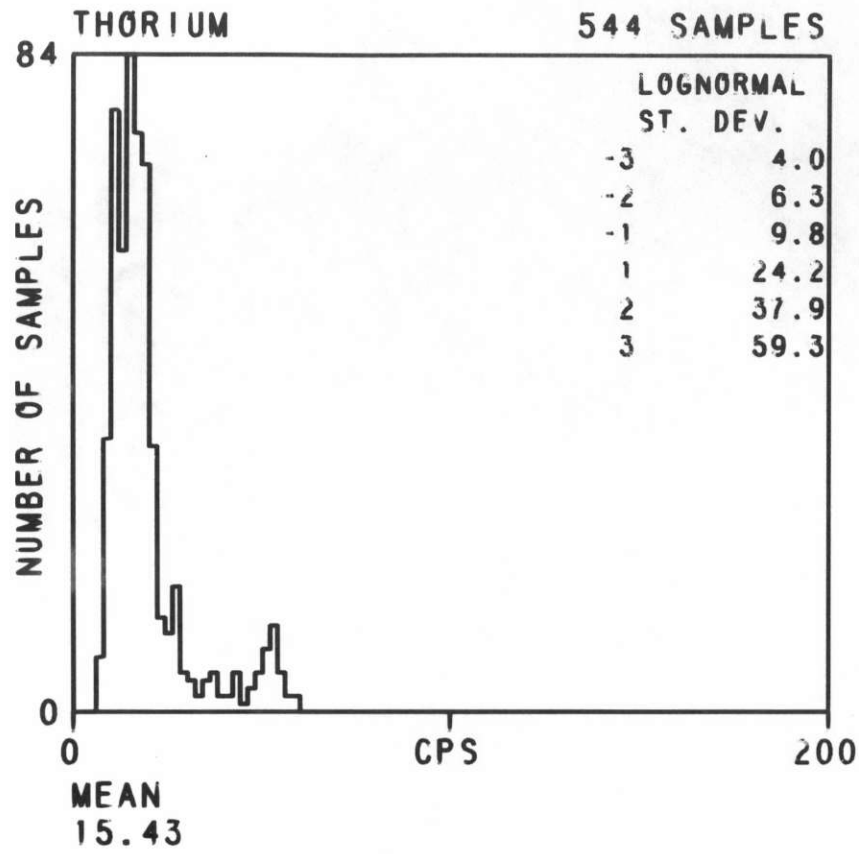
AERO SERVICE
JOB 8613
FLOWN 1978

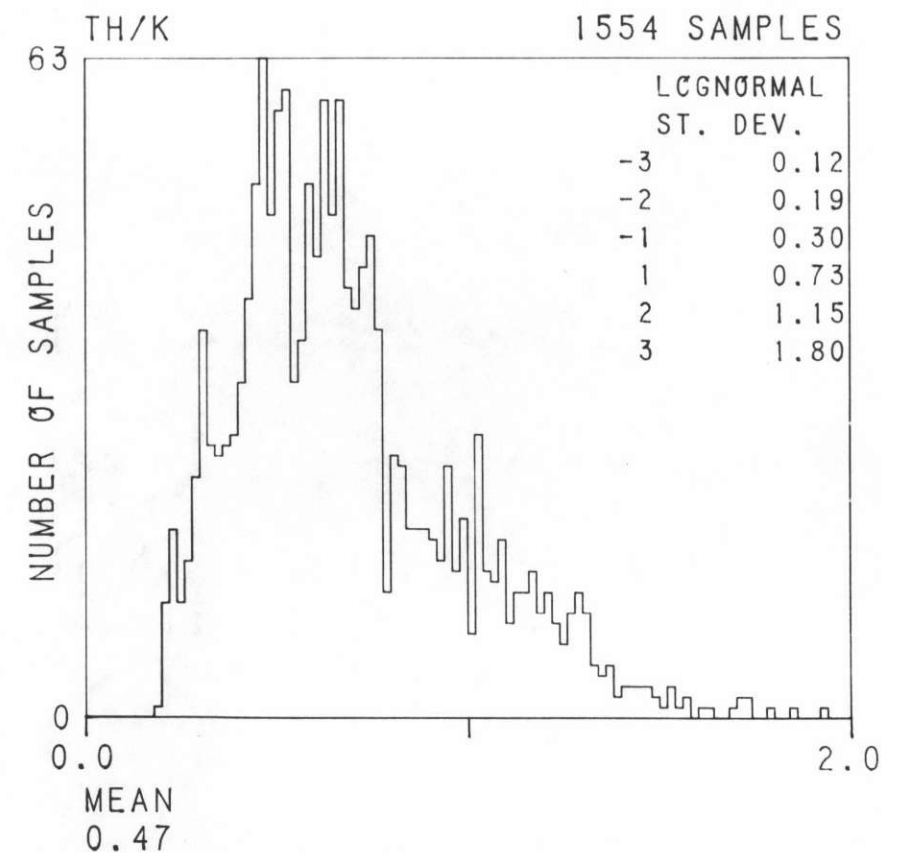
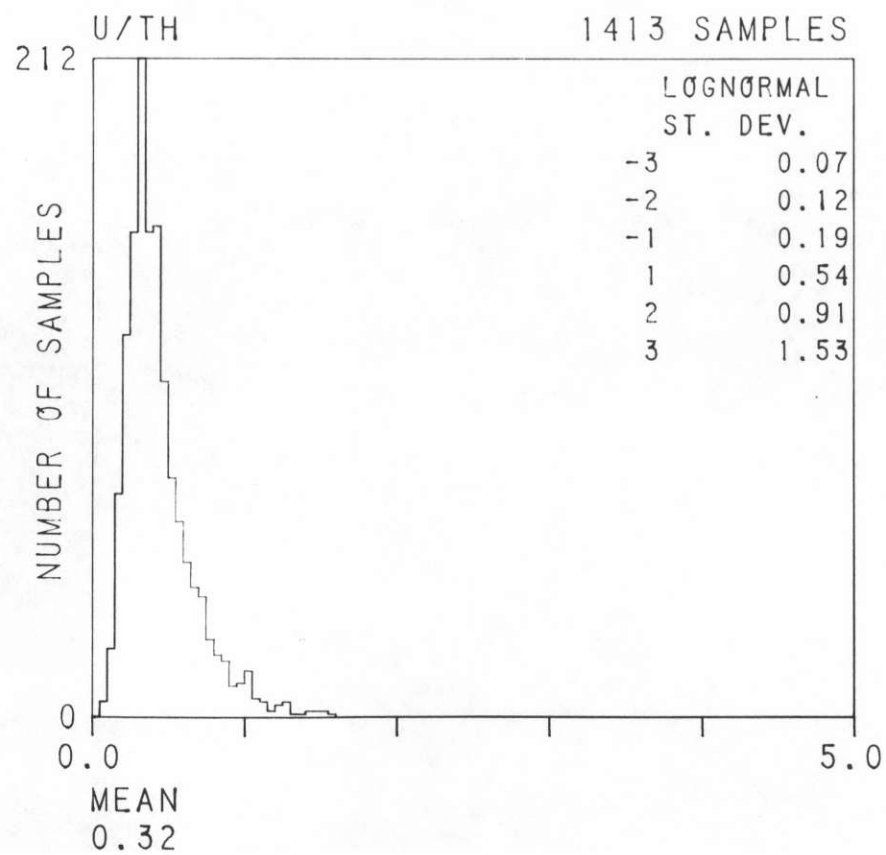
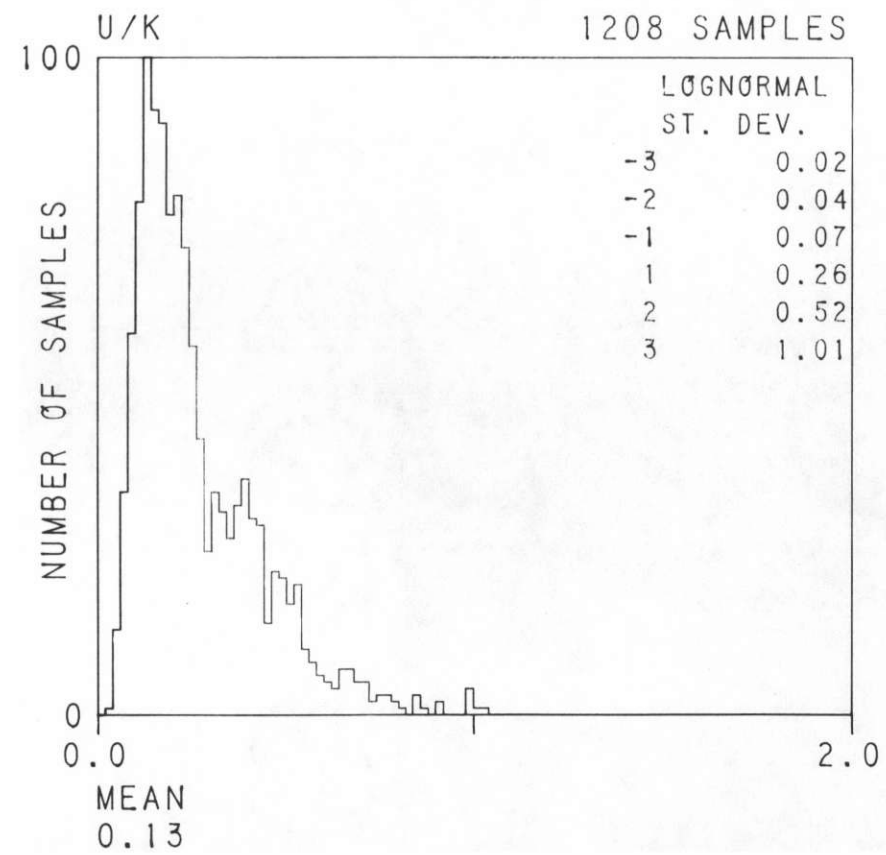
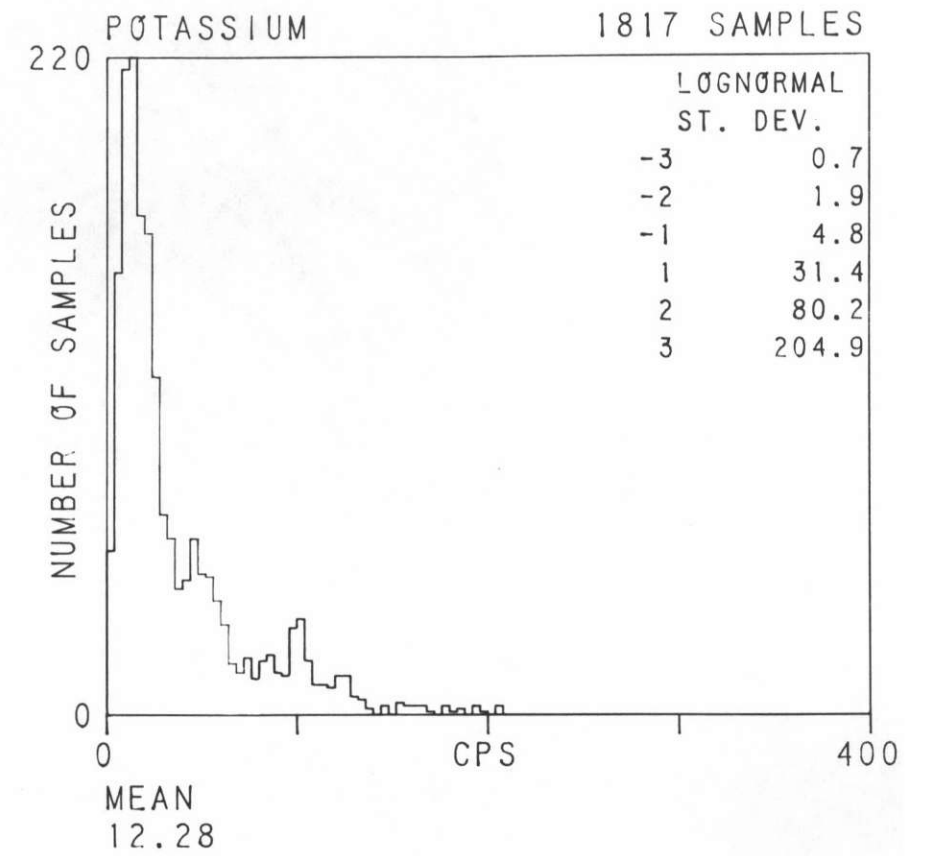
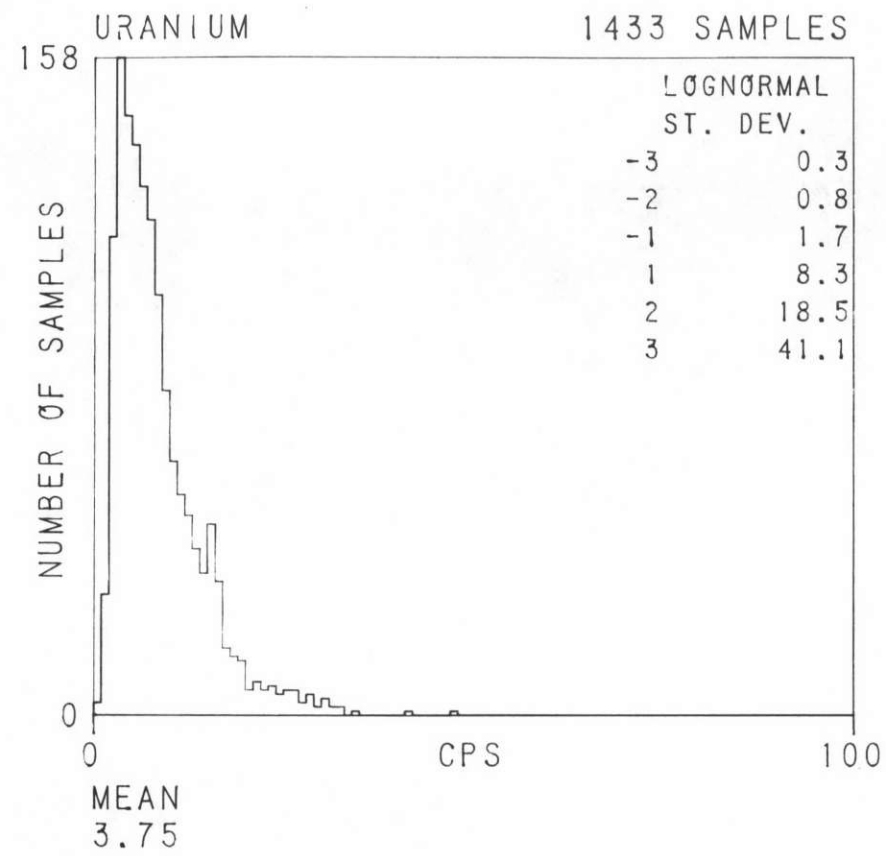
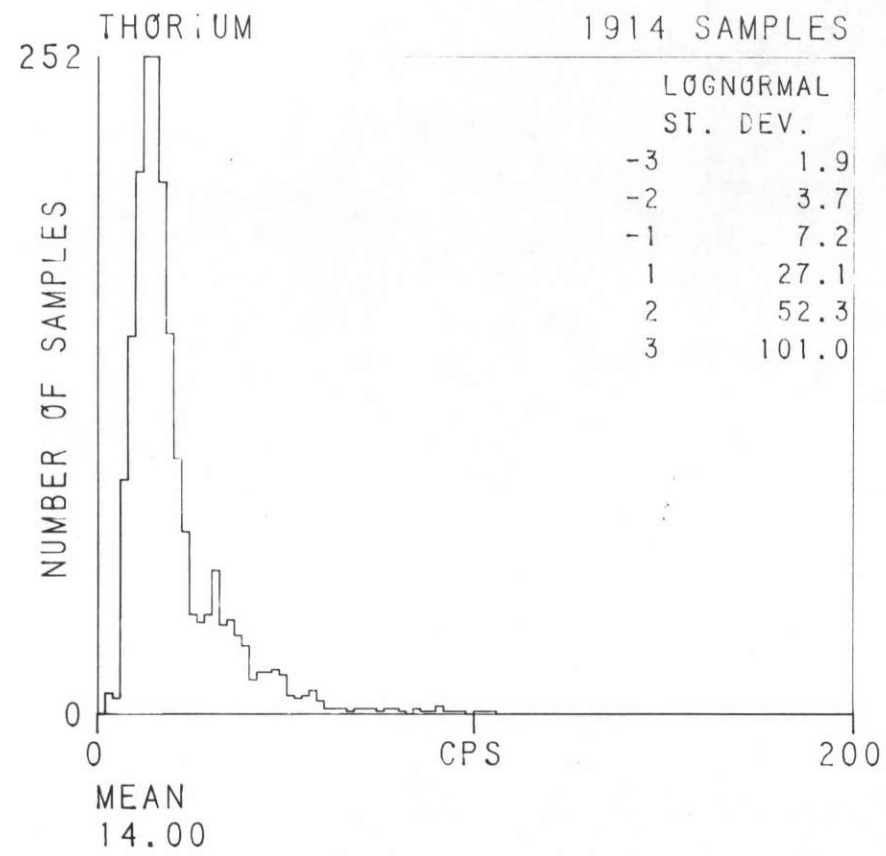
DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 120

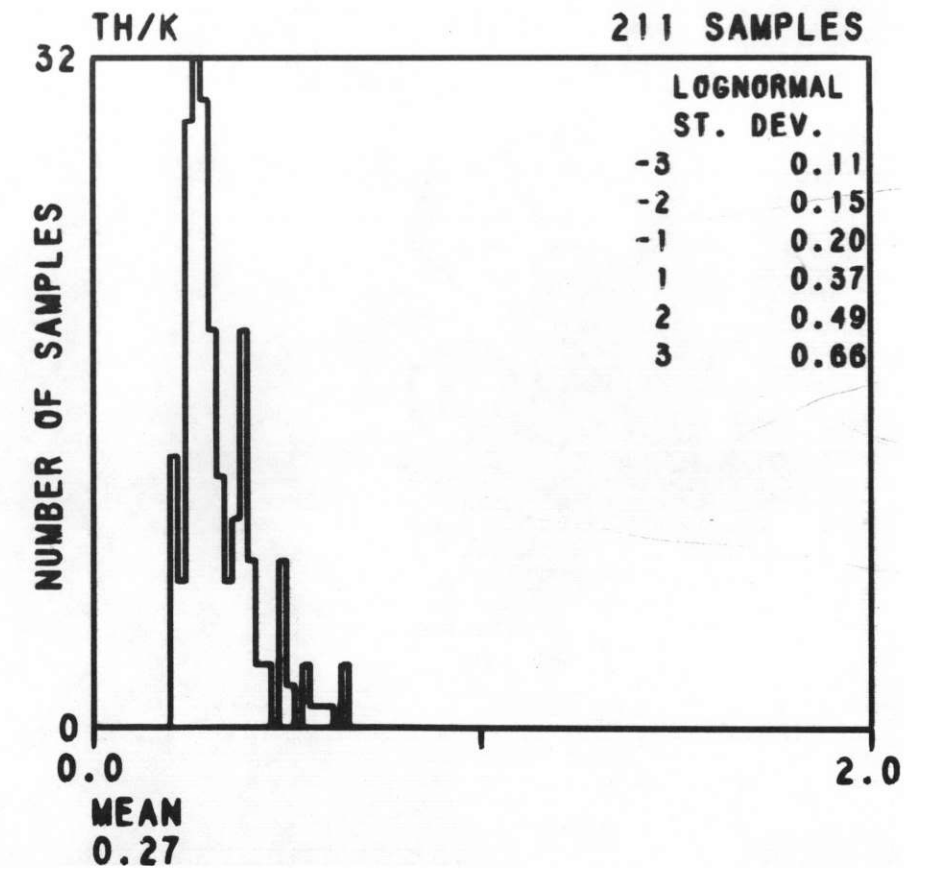
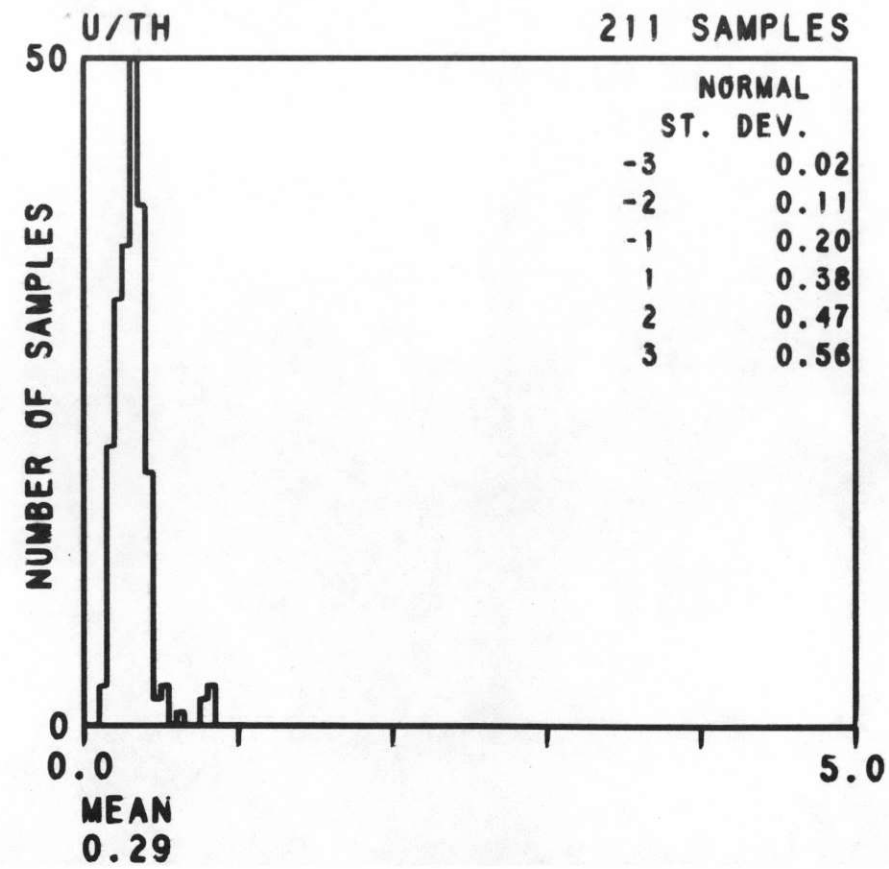
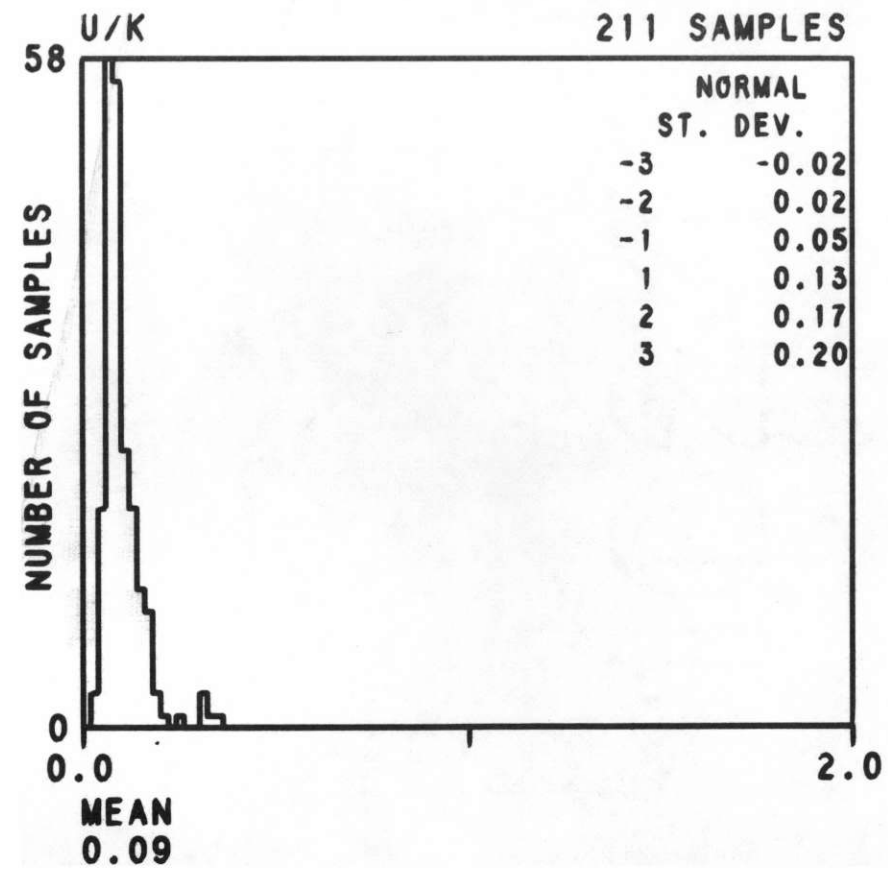
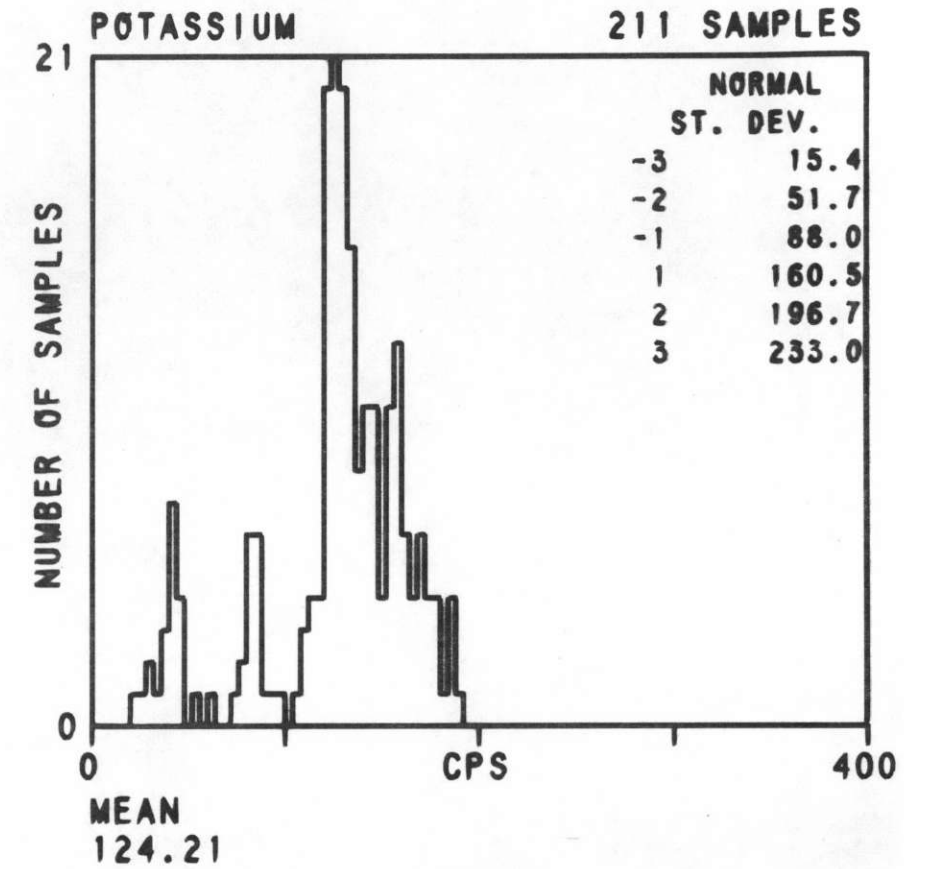
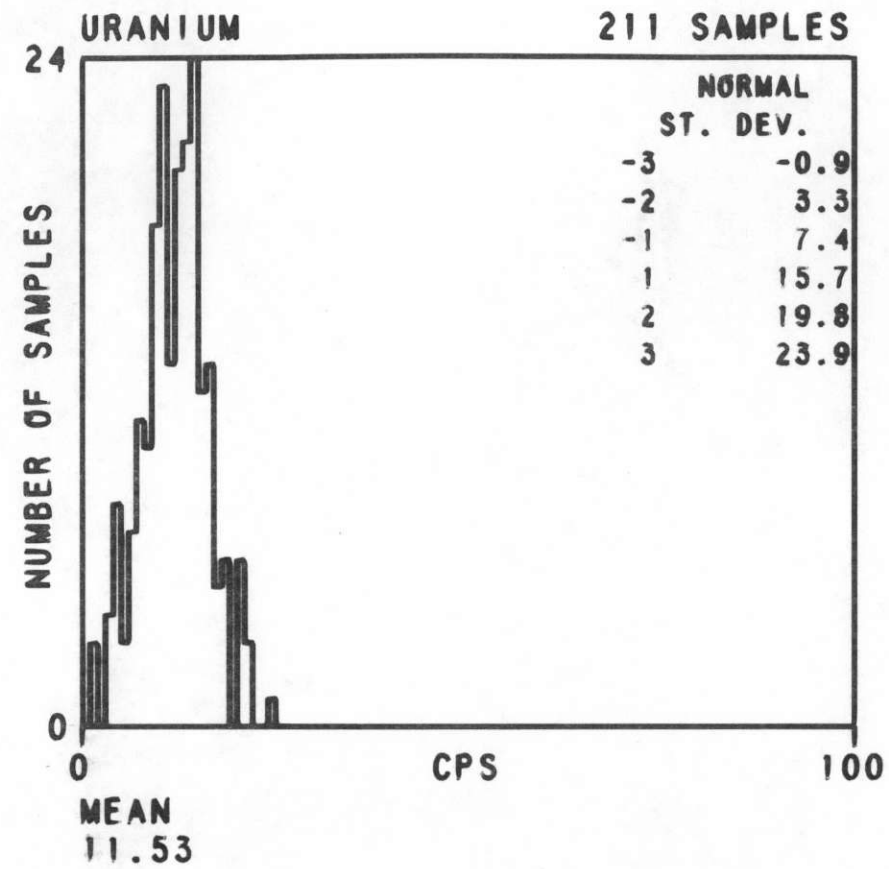
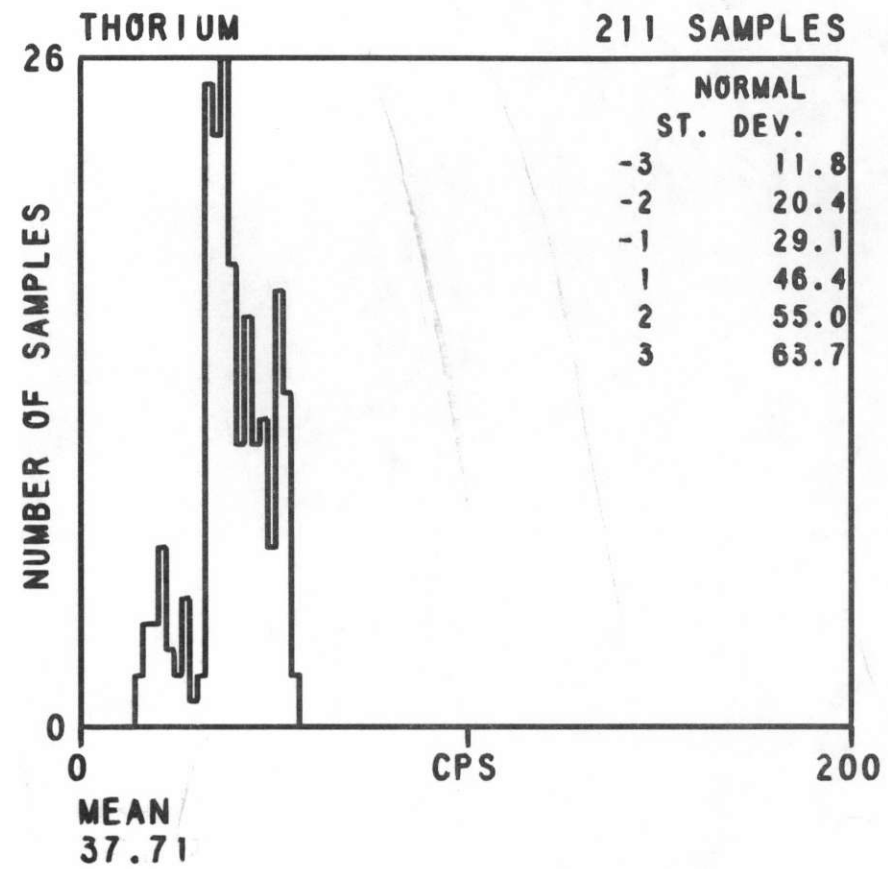








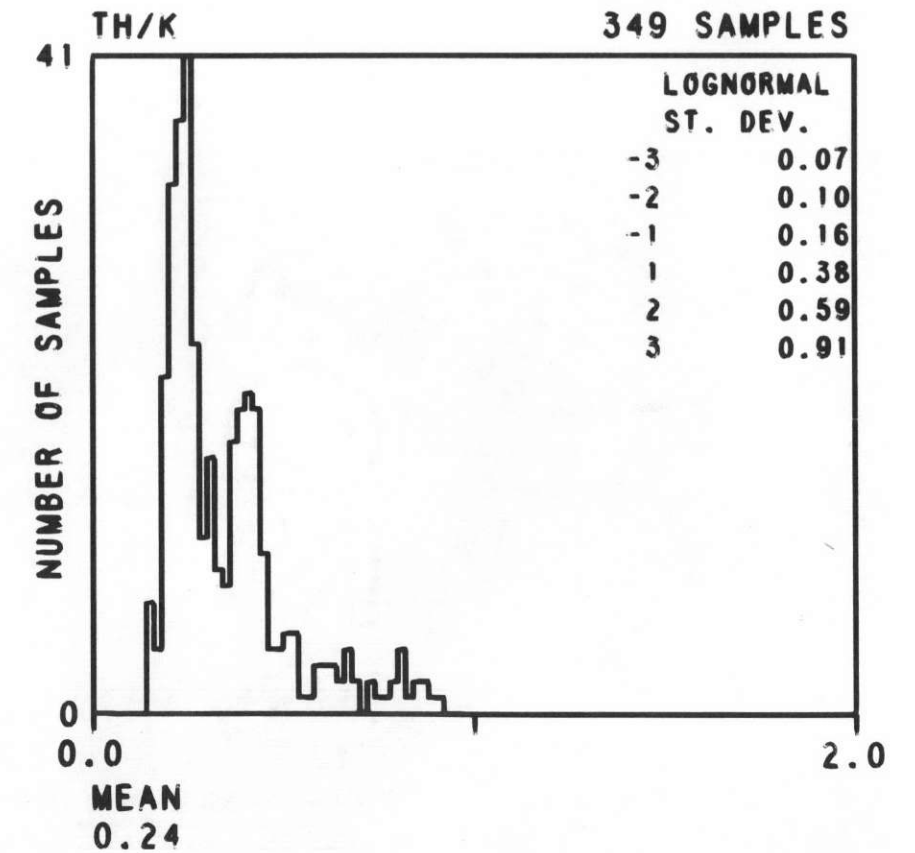
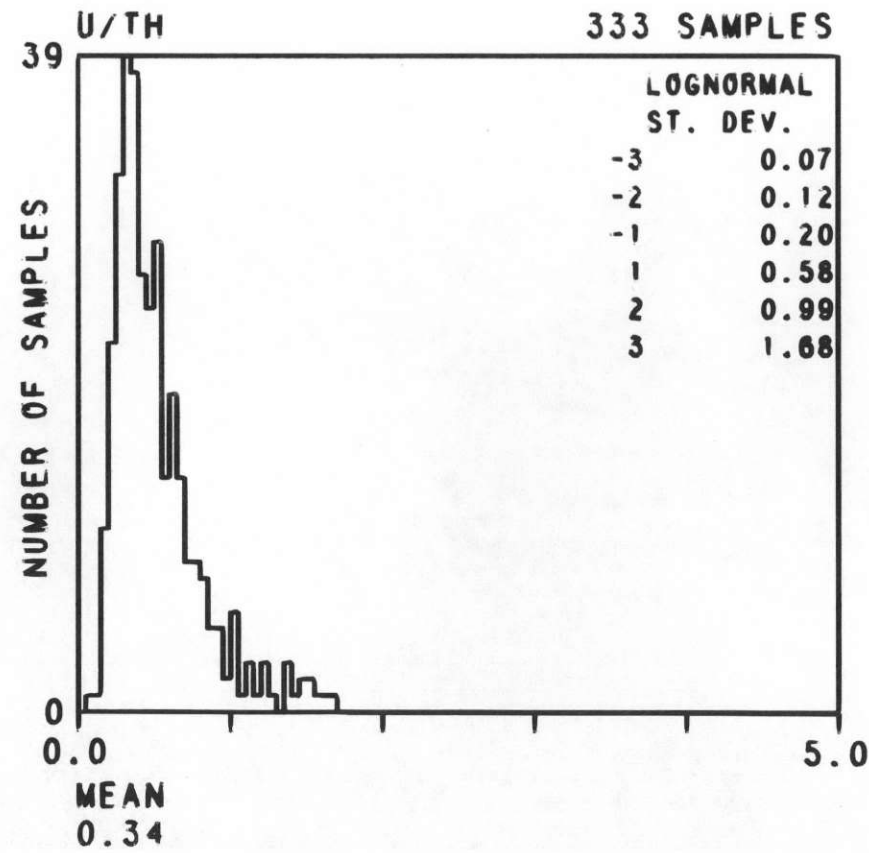
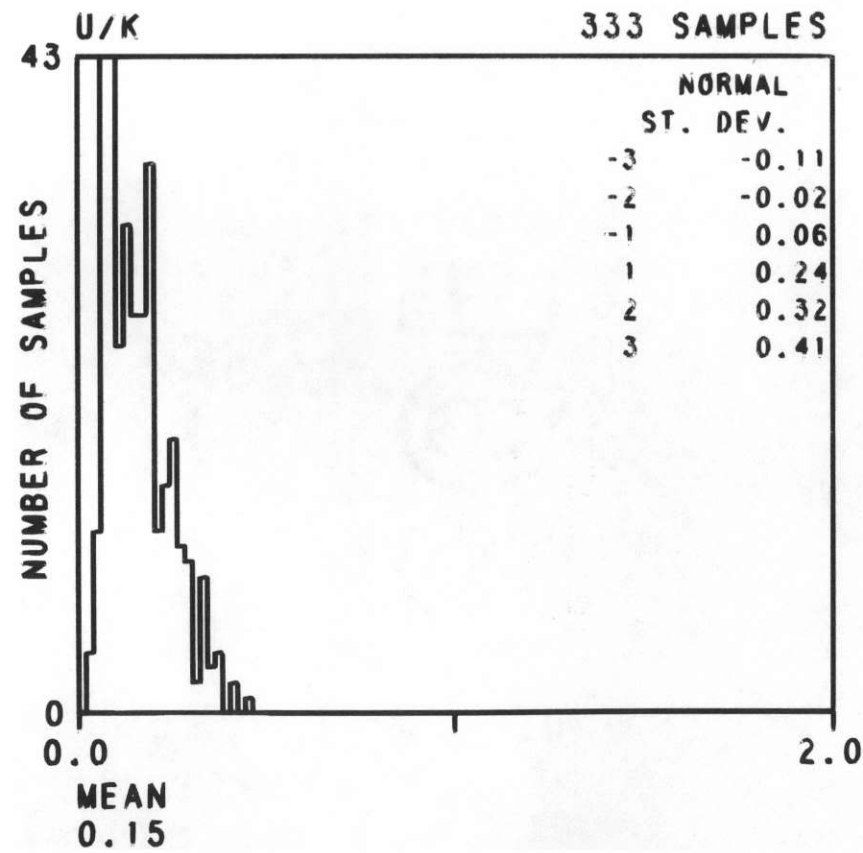
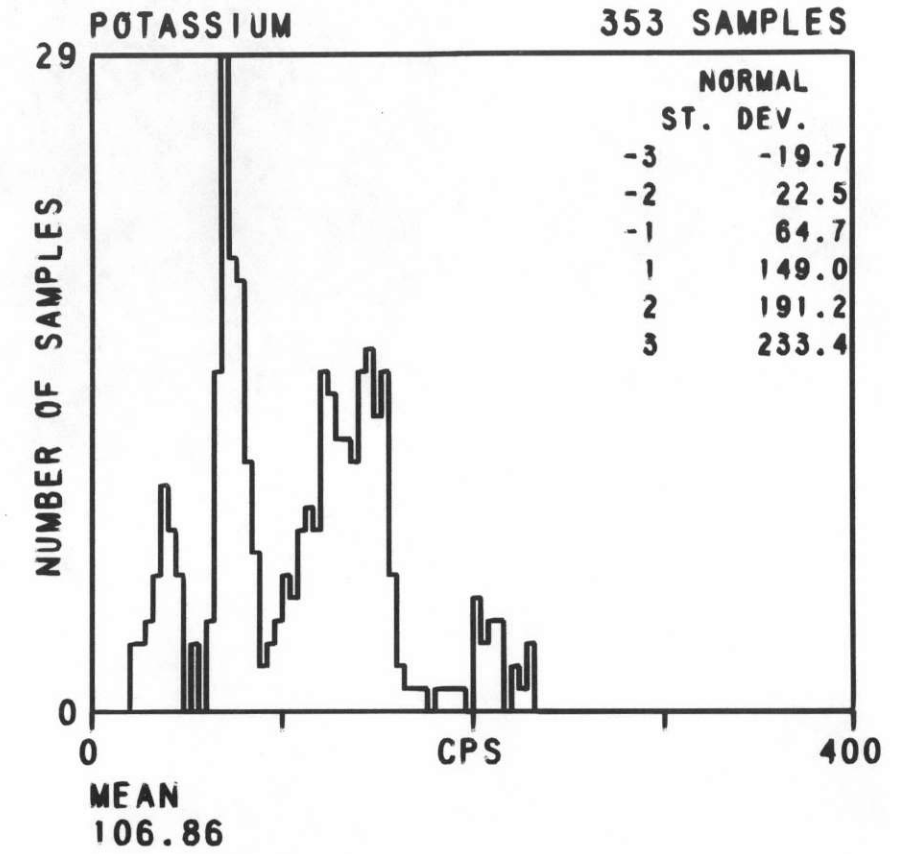
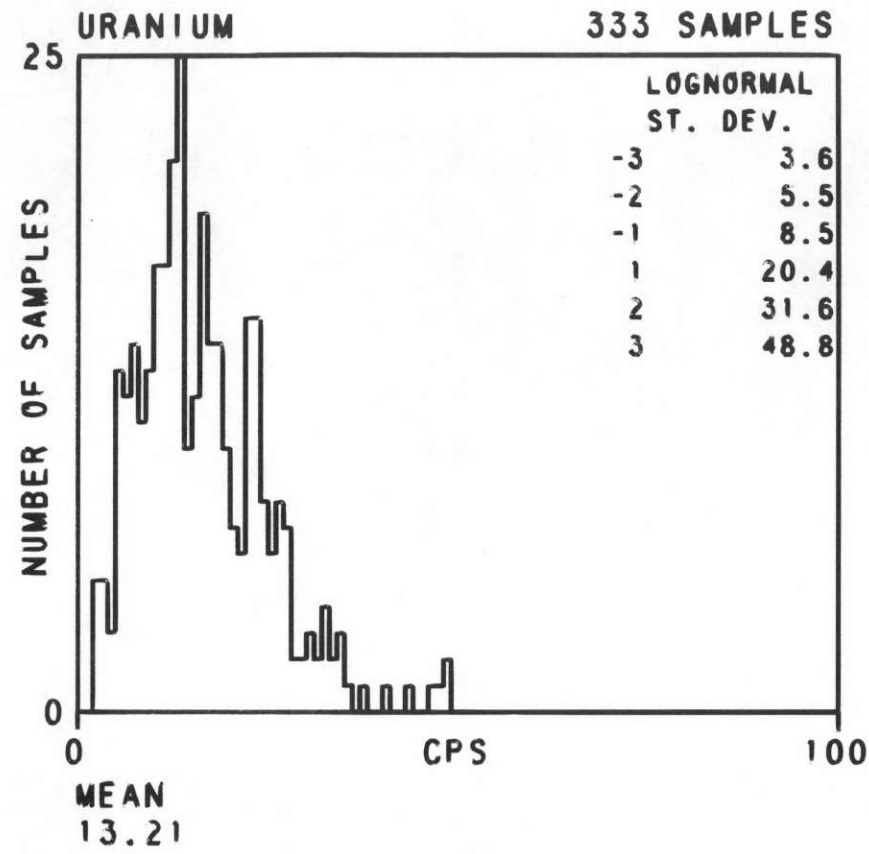
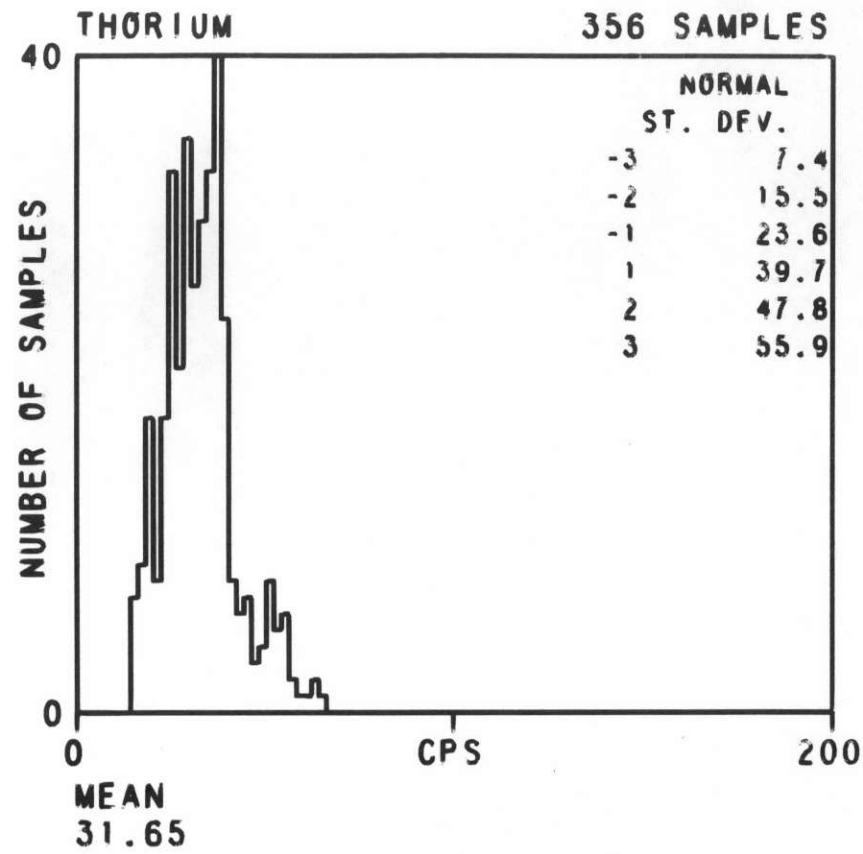


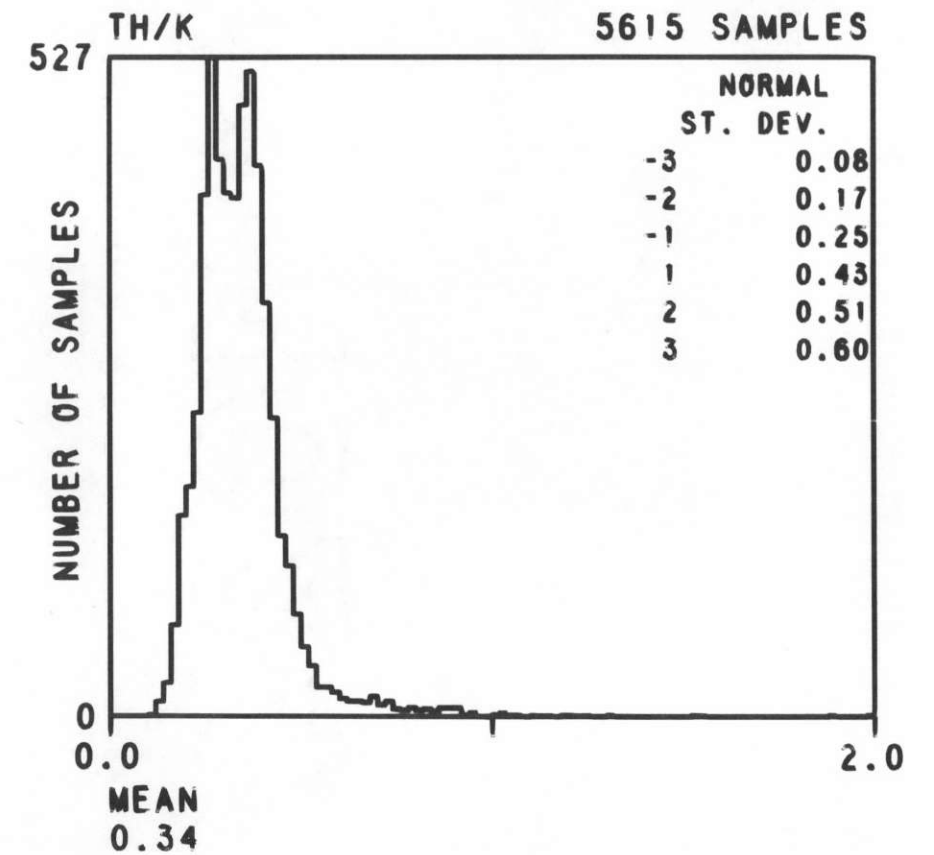
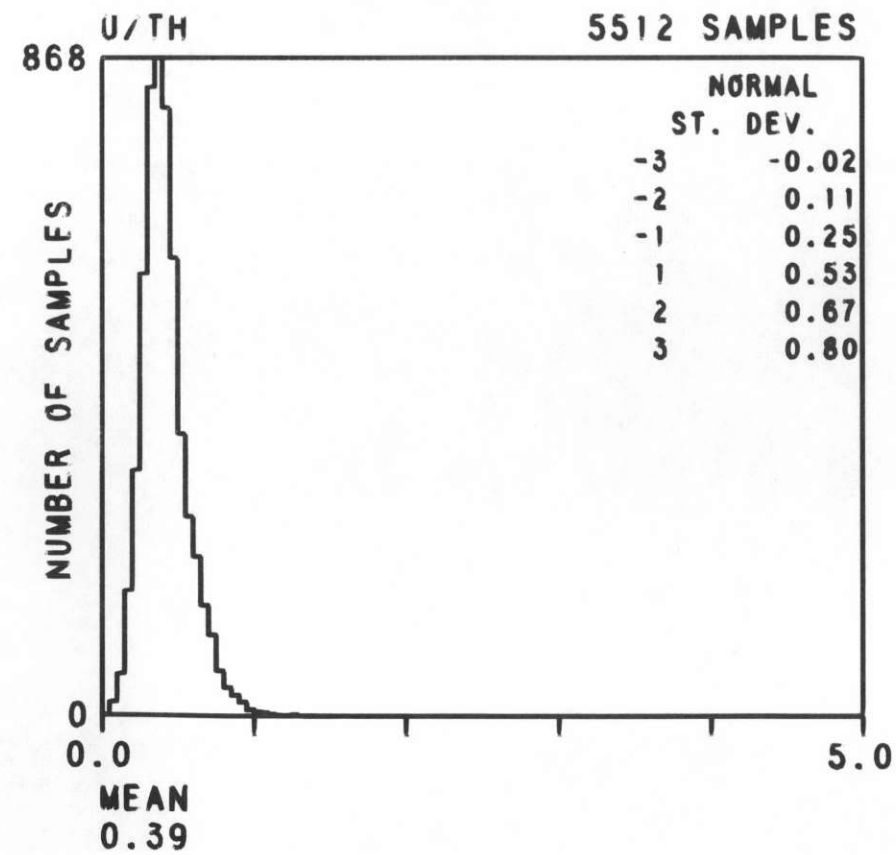
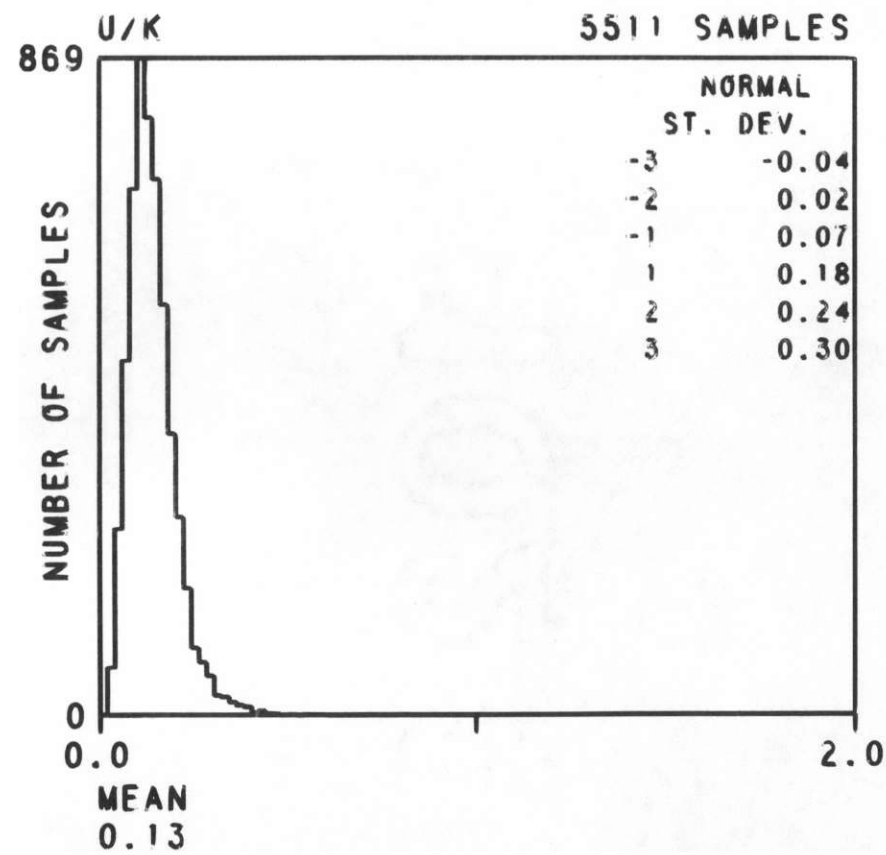
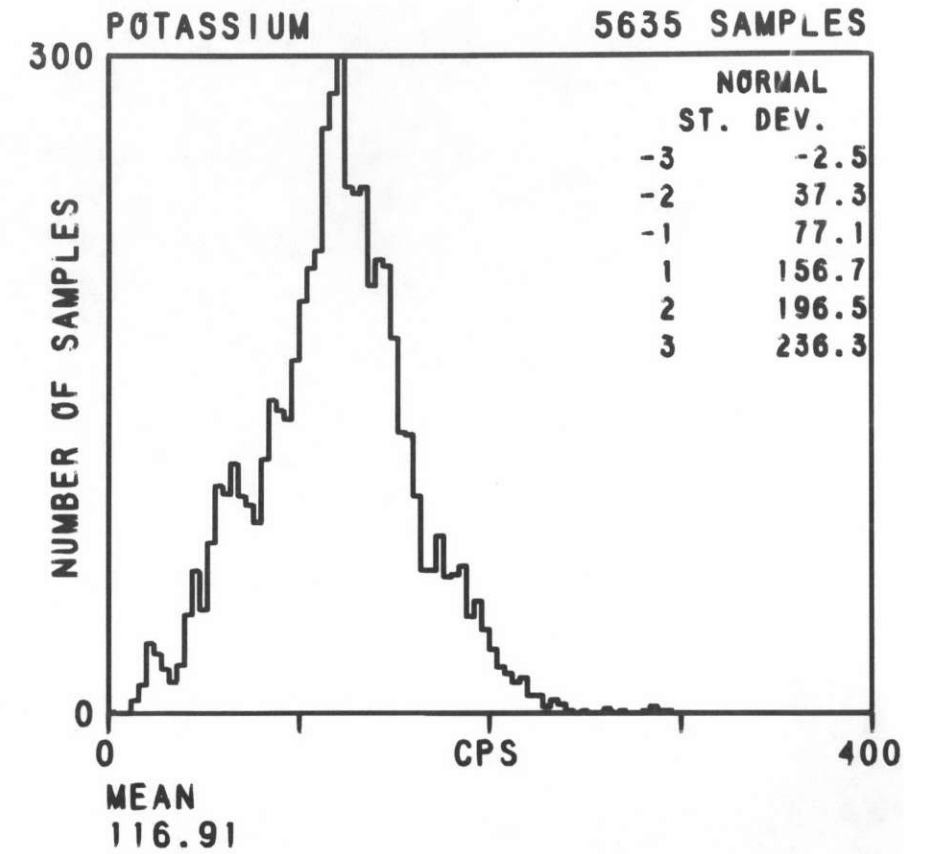
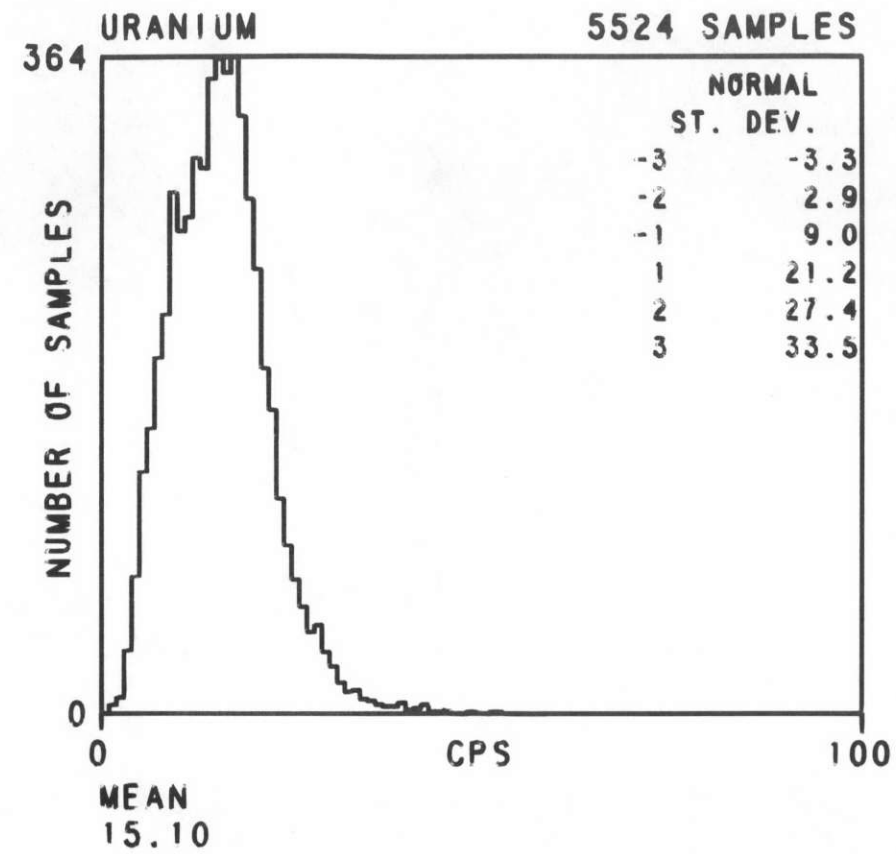
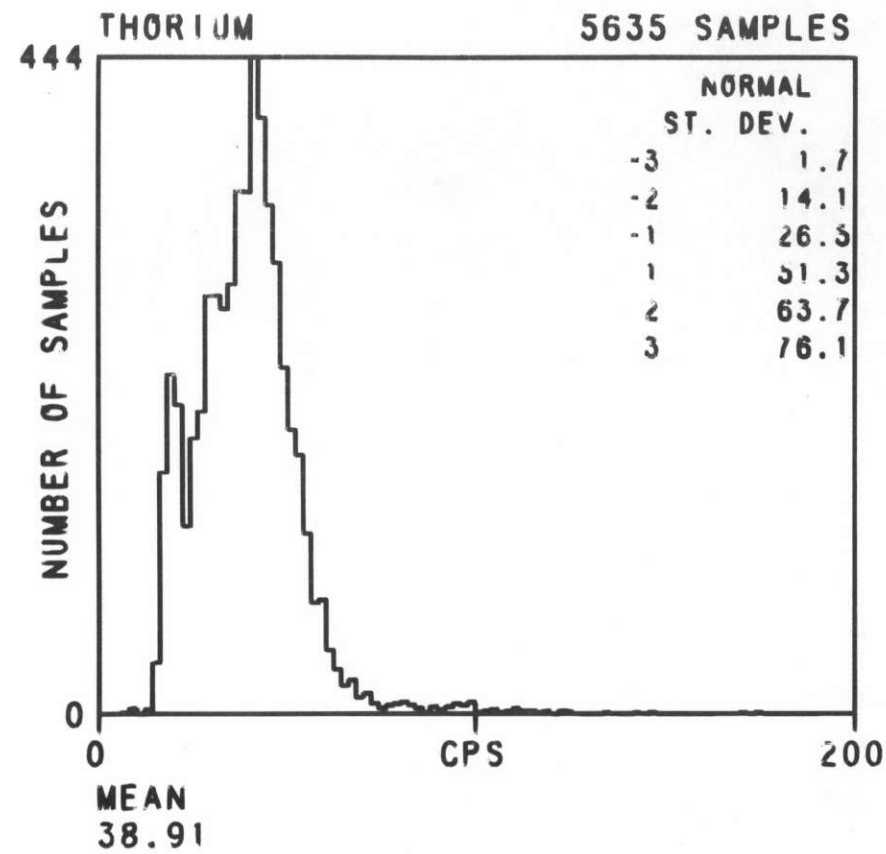


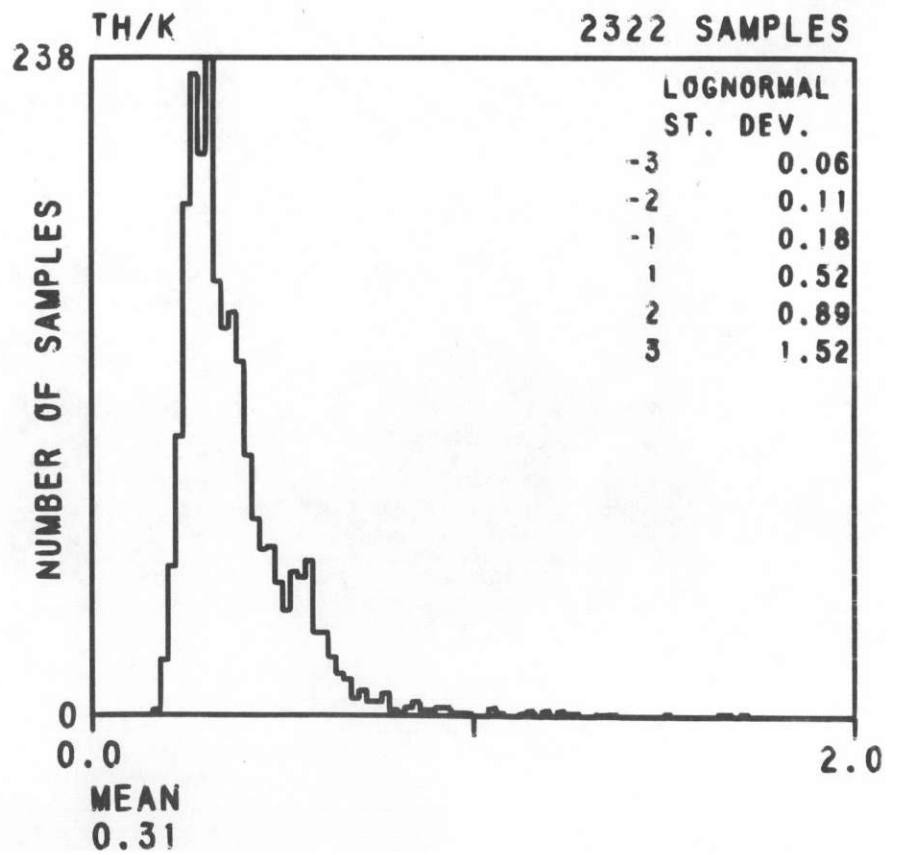
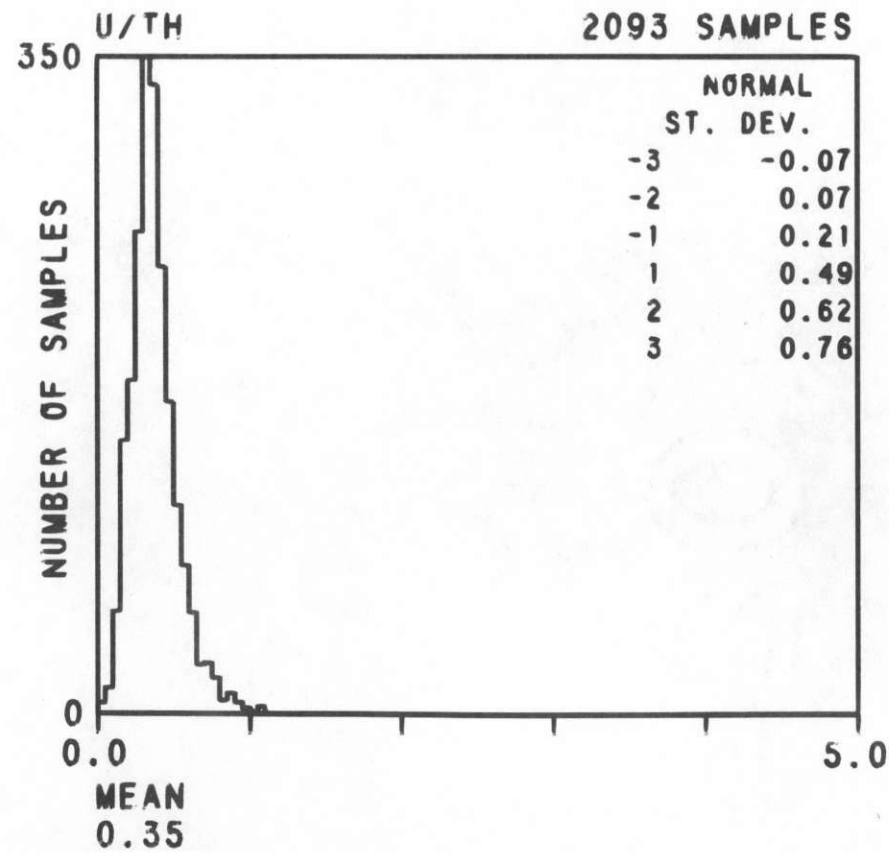
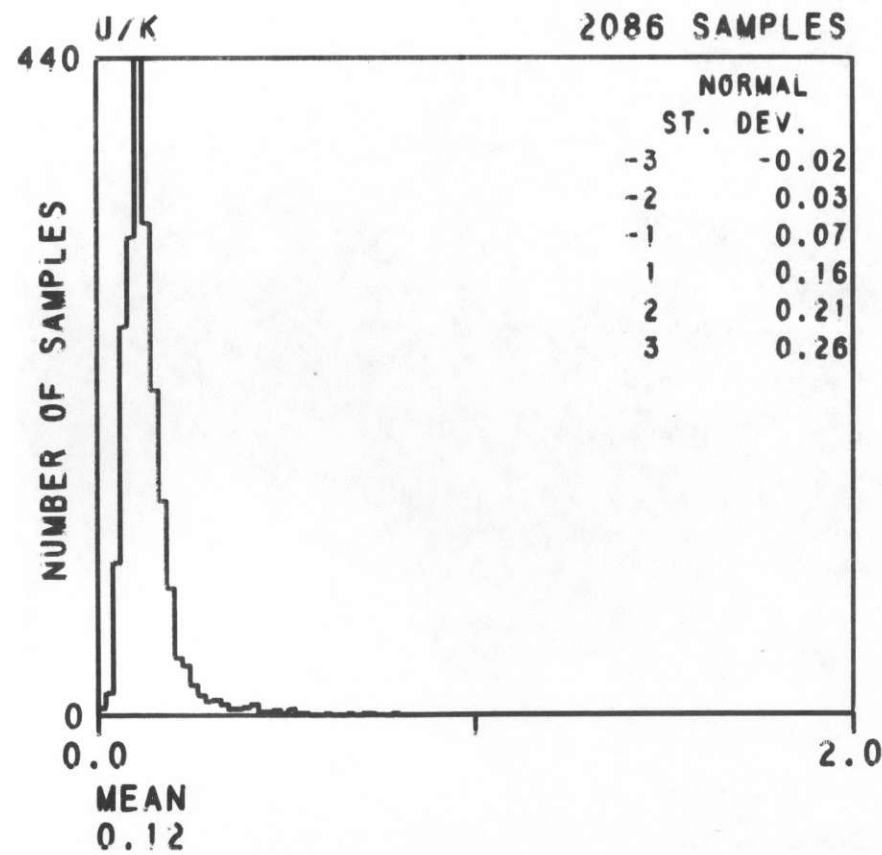
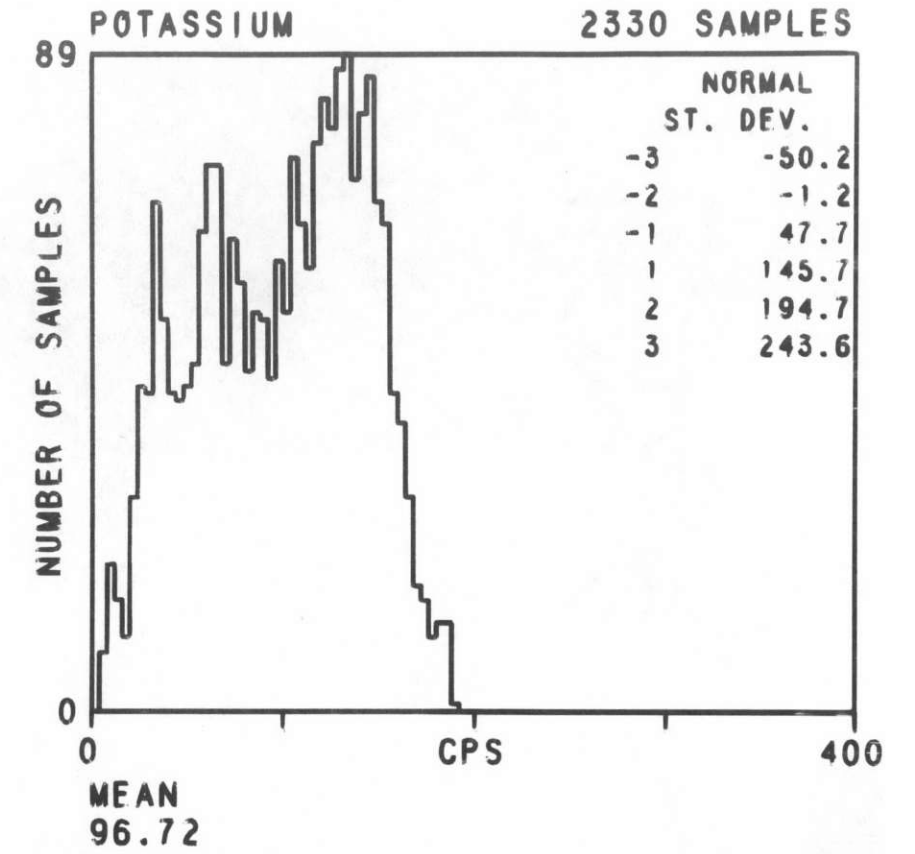
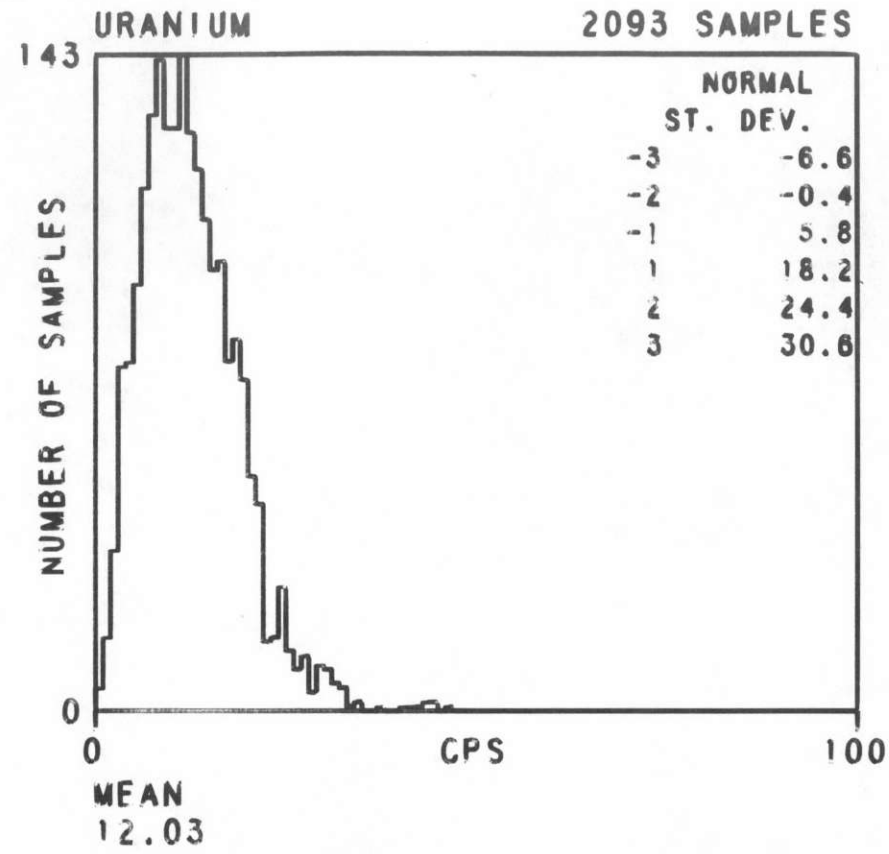
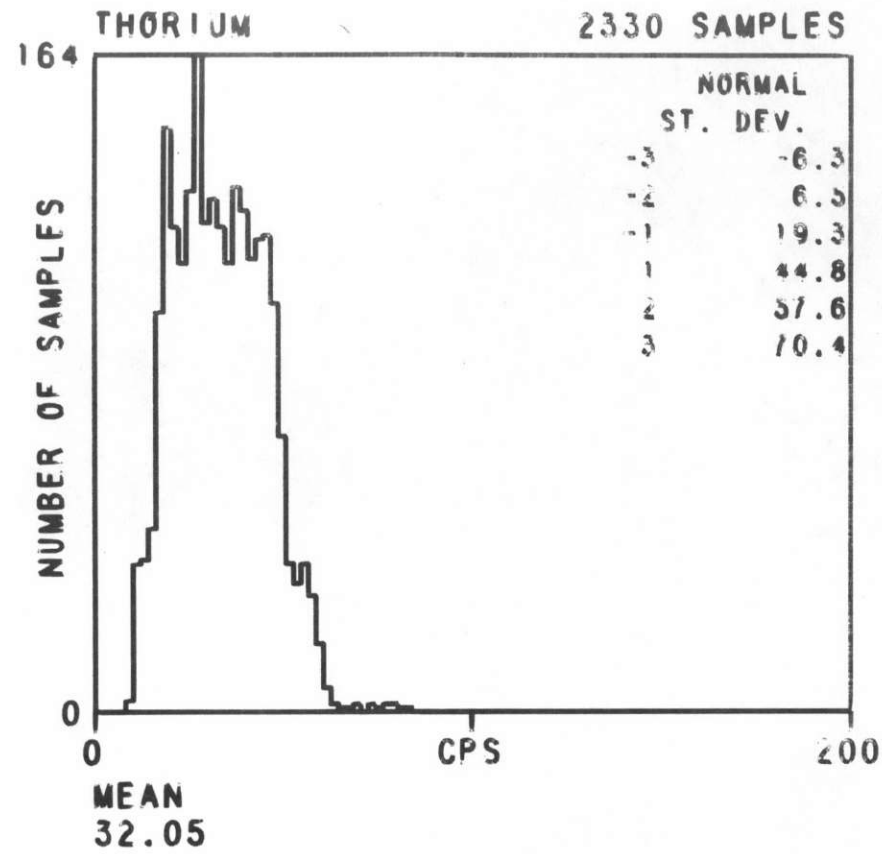
DUBOIS
NL 12-10

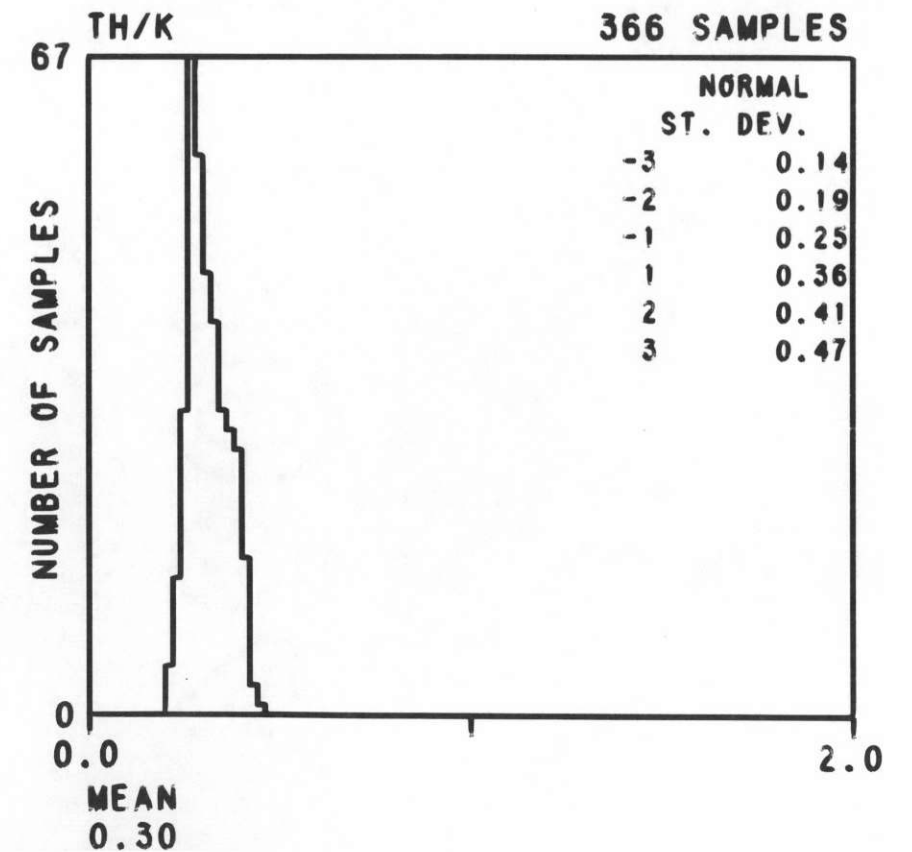
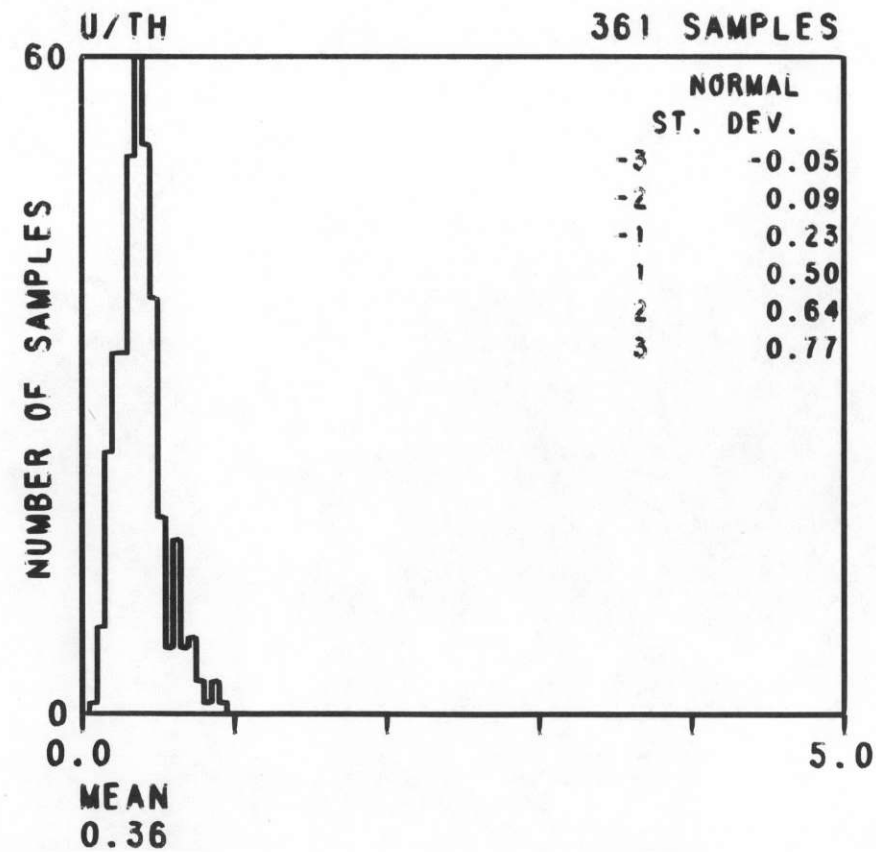
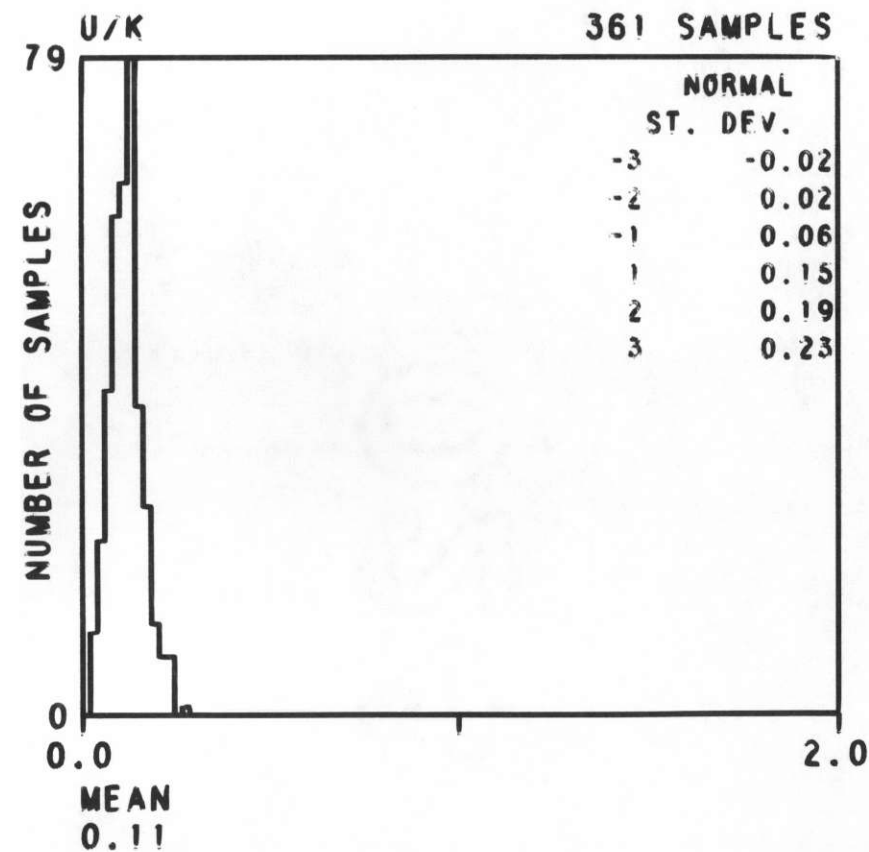
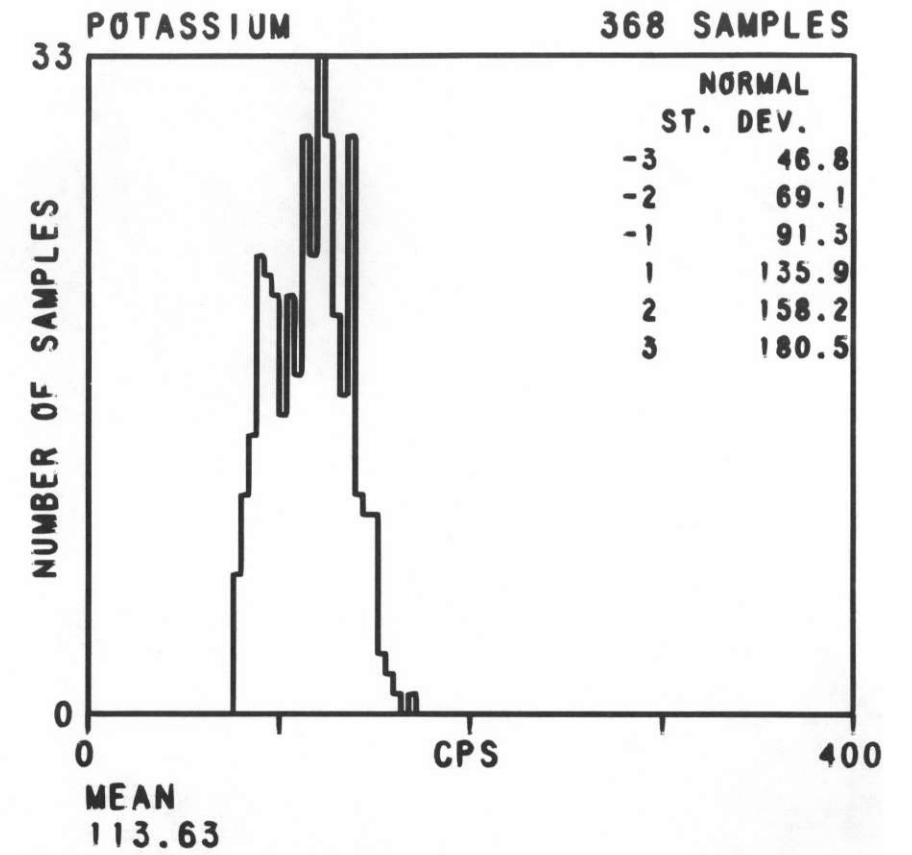
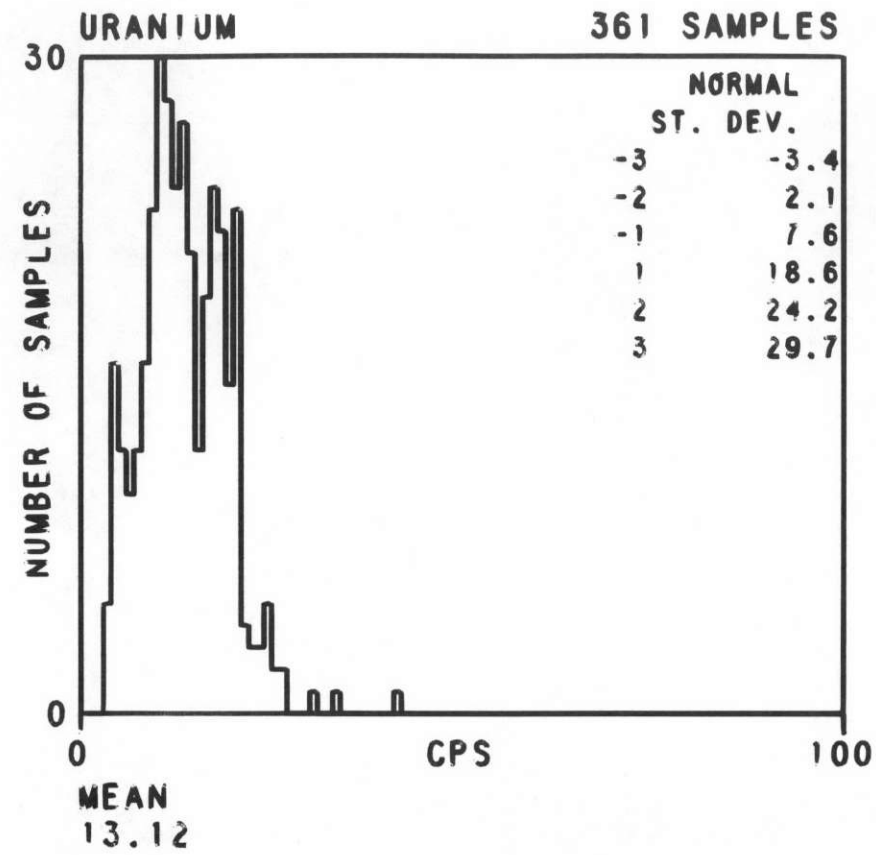
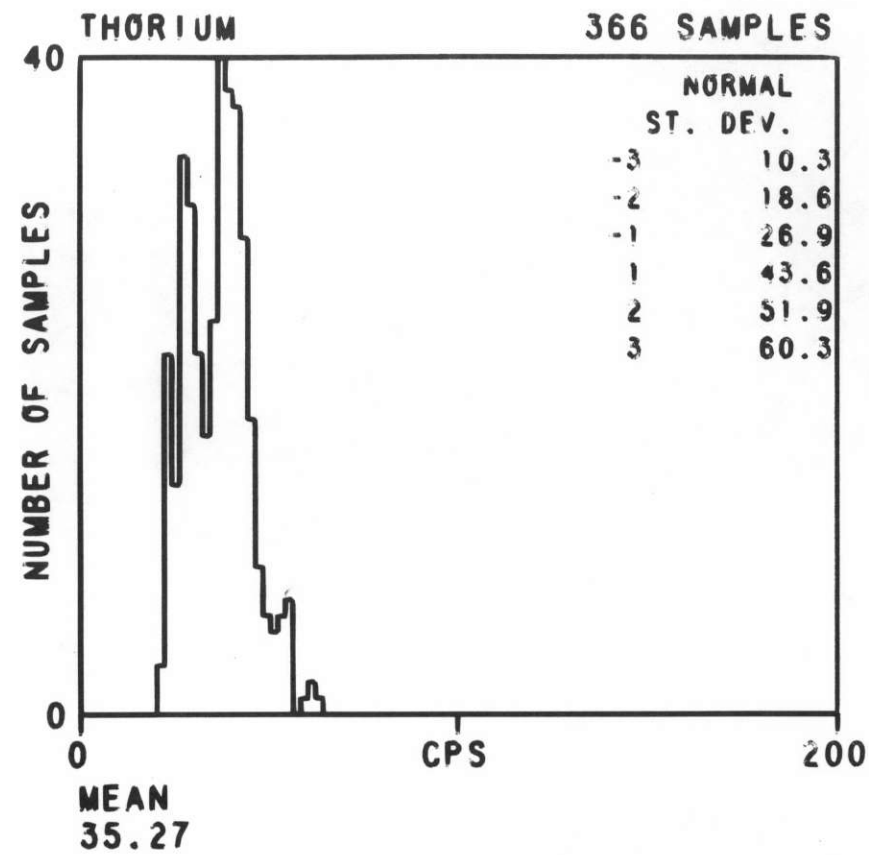
FORMATION PCW
TOTAL SAMPLES 365

AERO SERVICE
1978





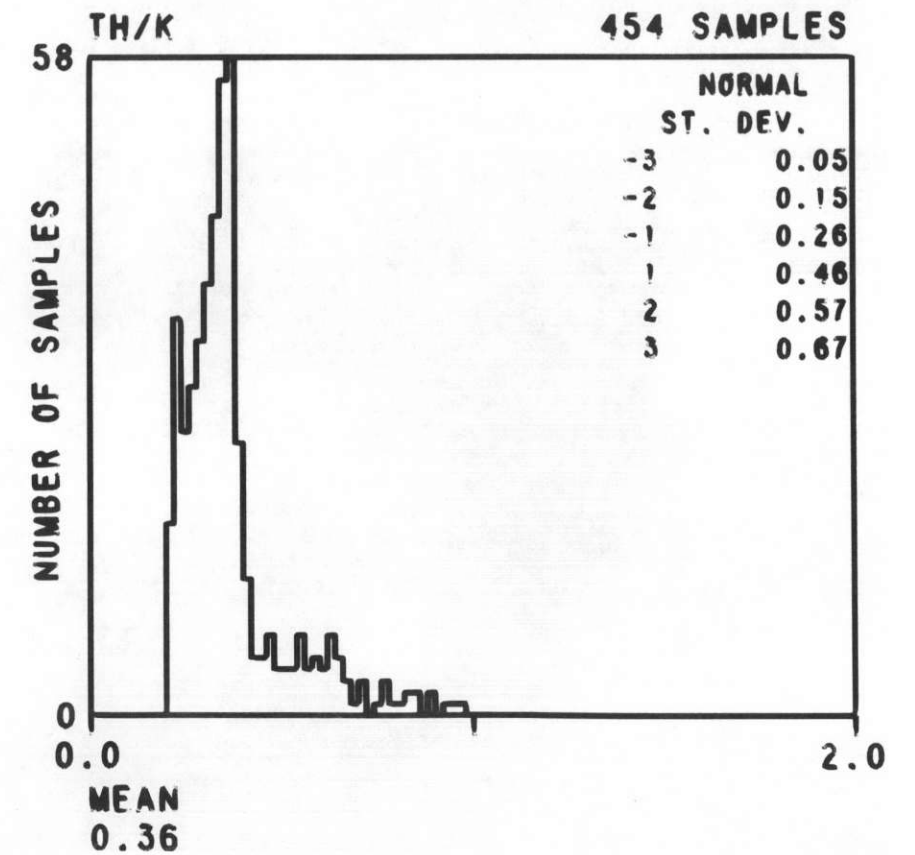
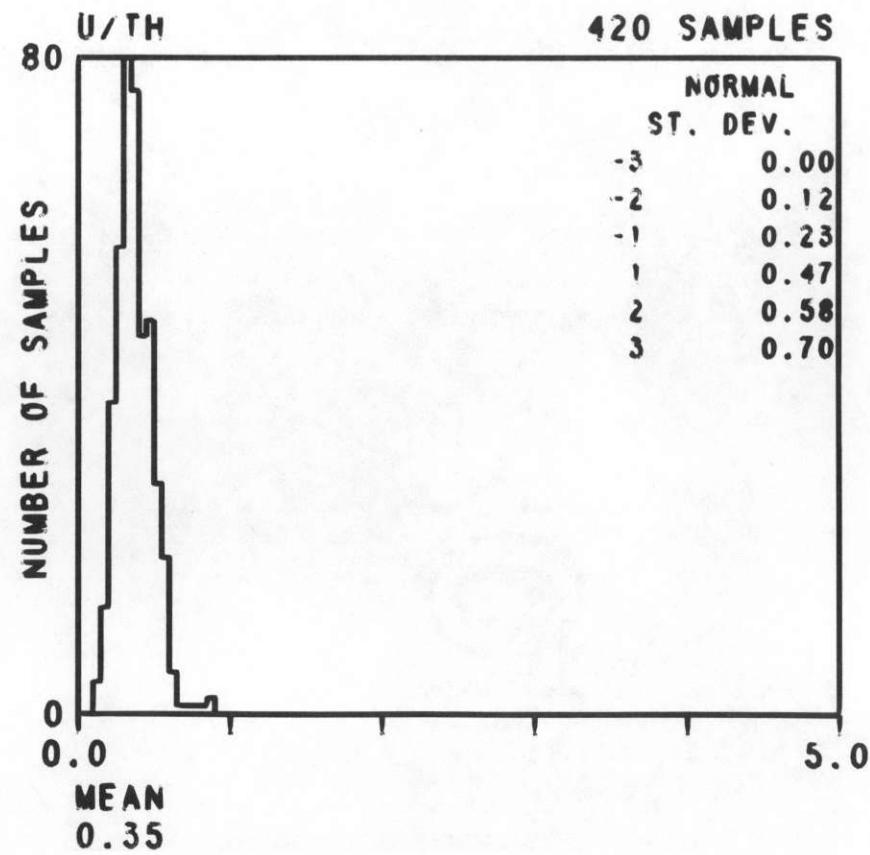
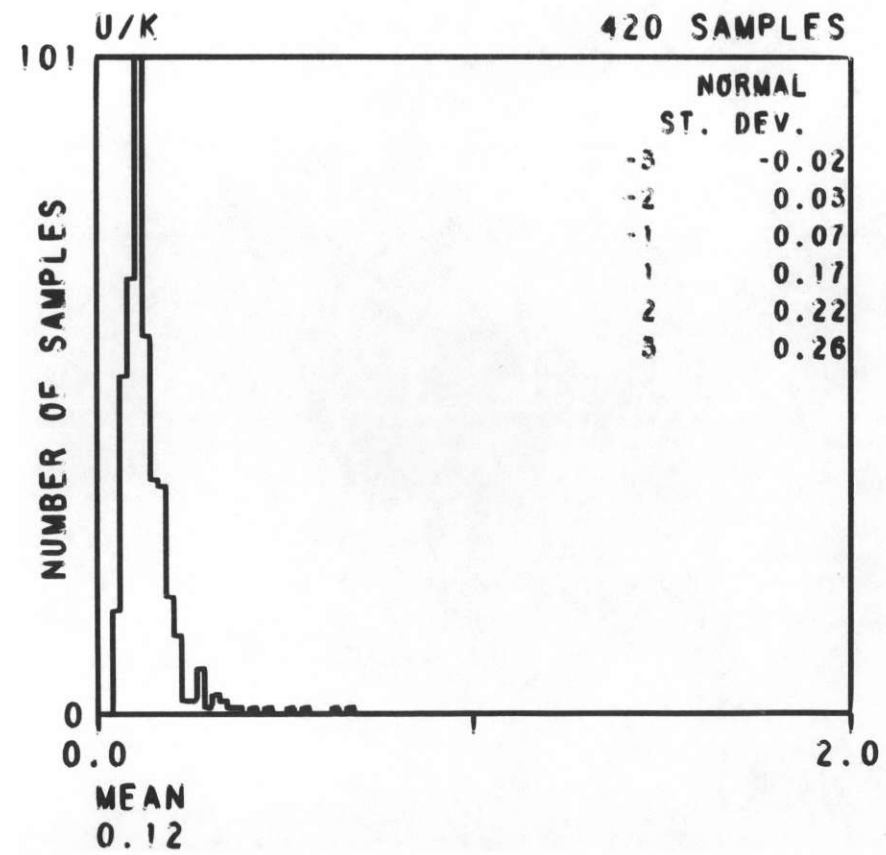
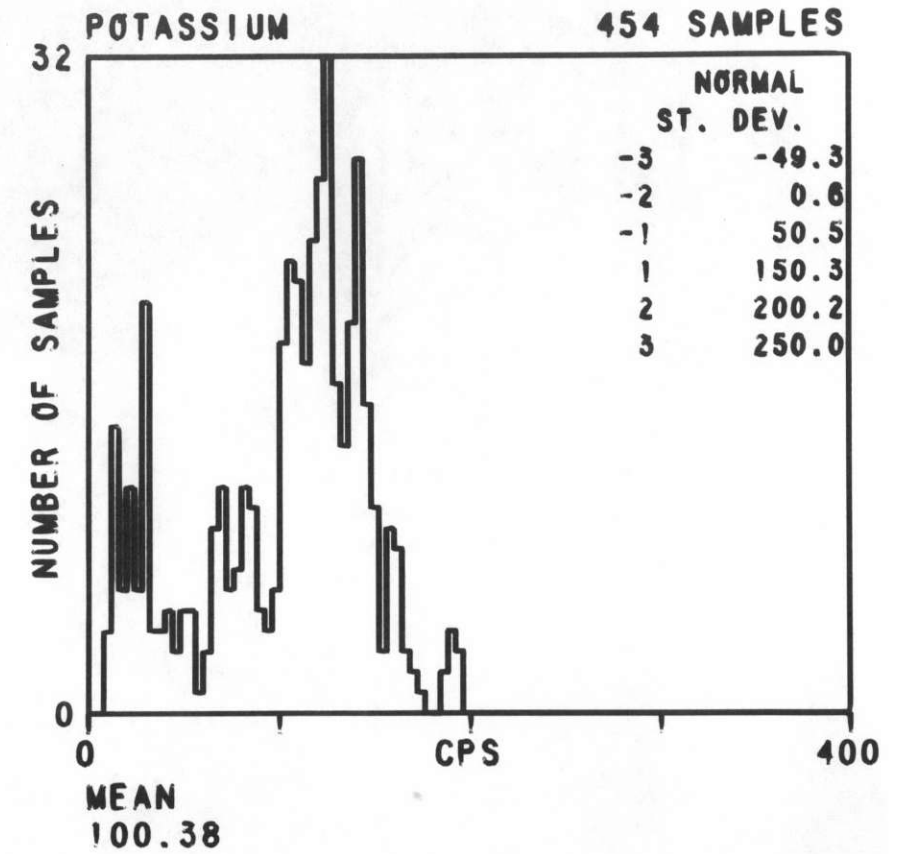
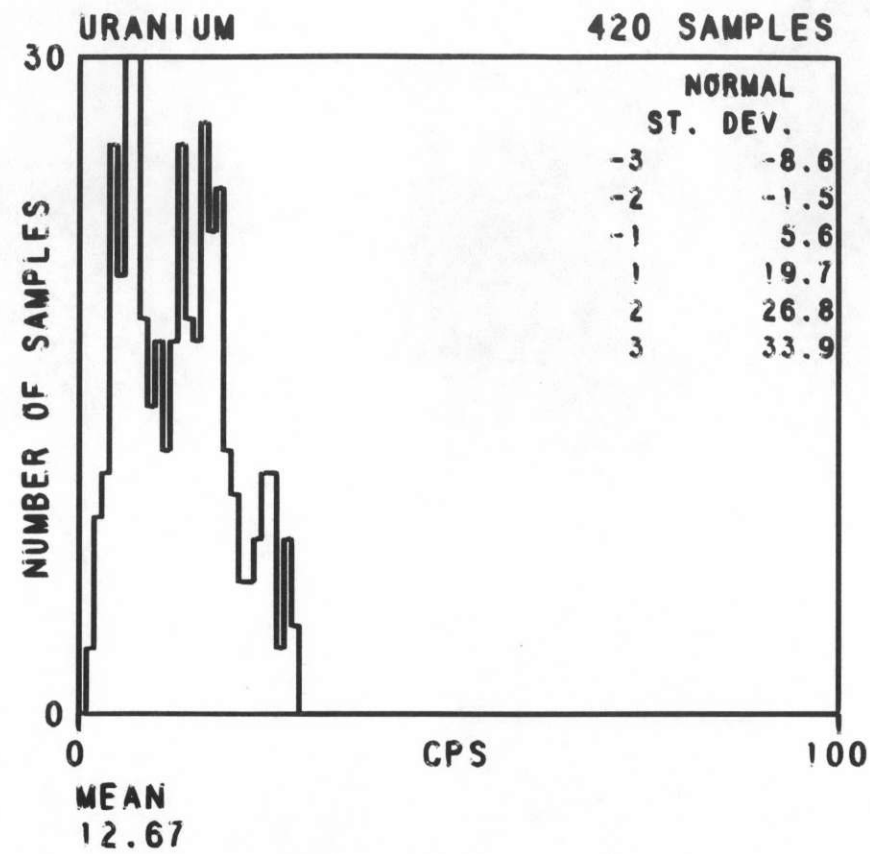
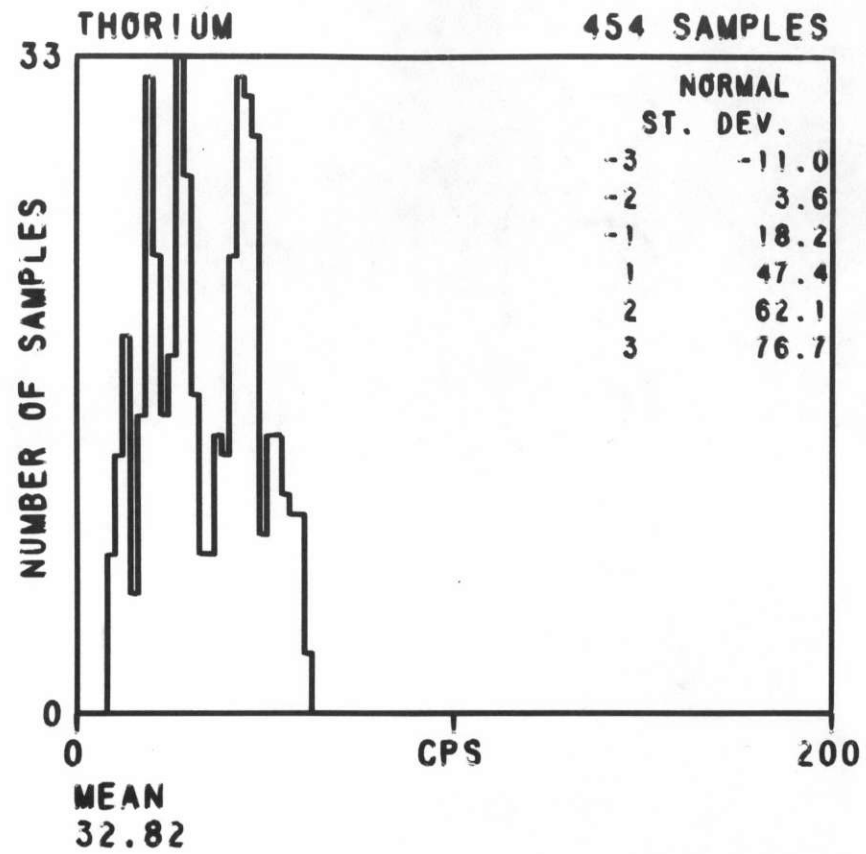


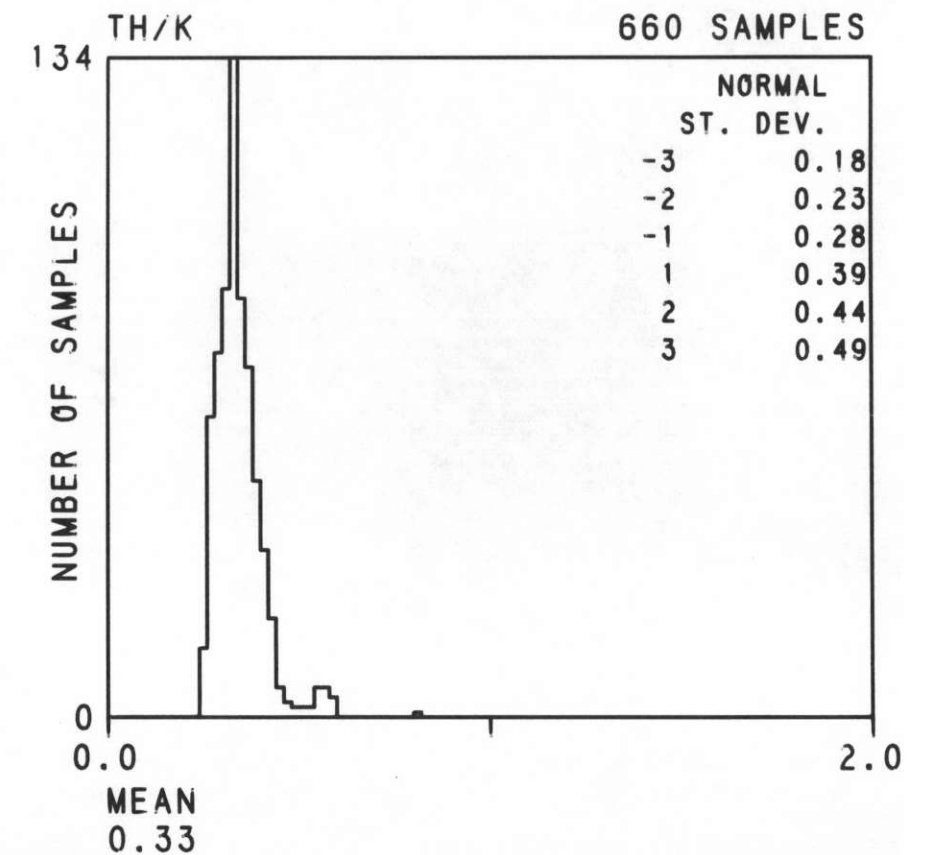
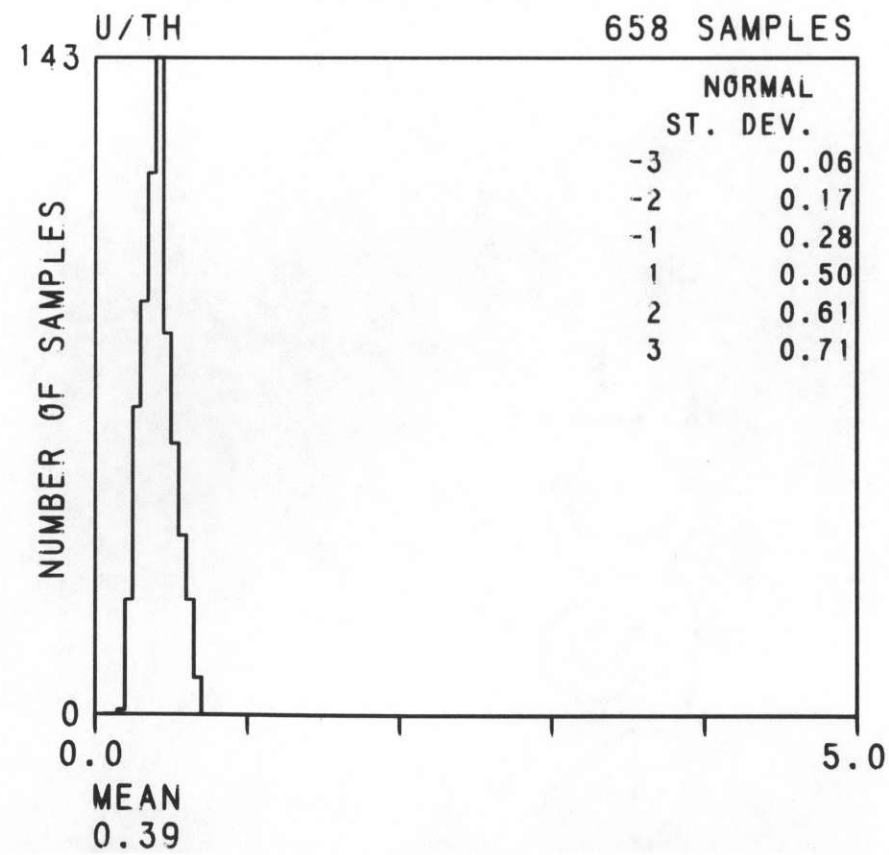
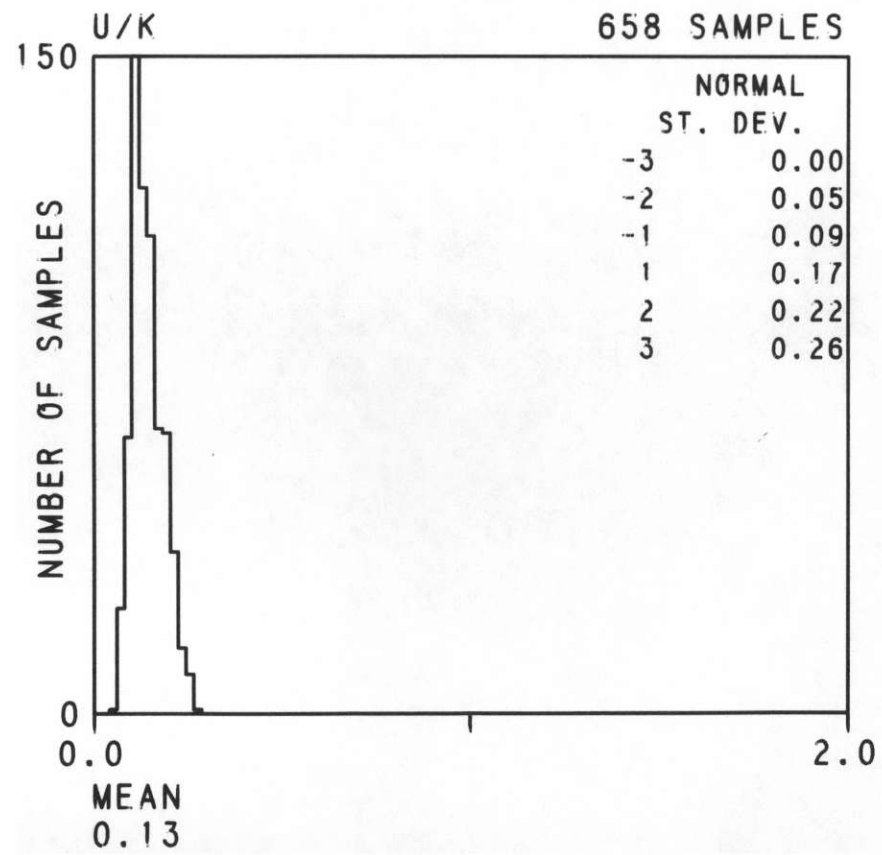
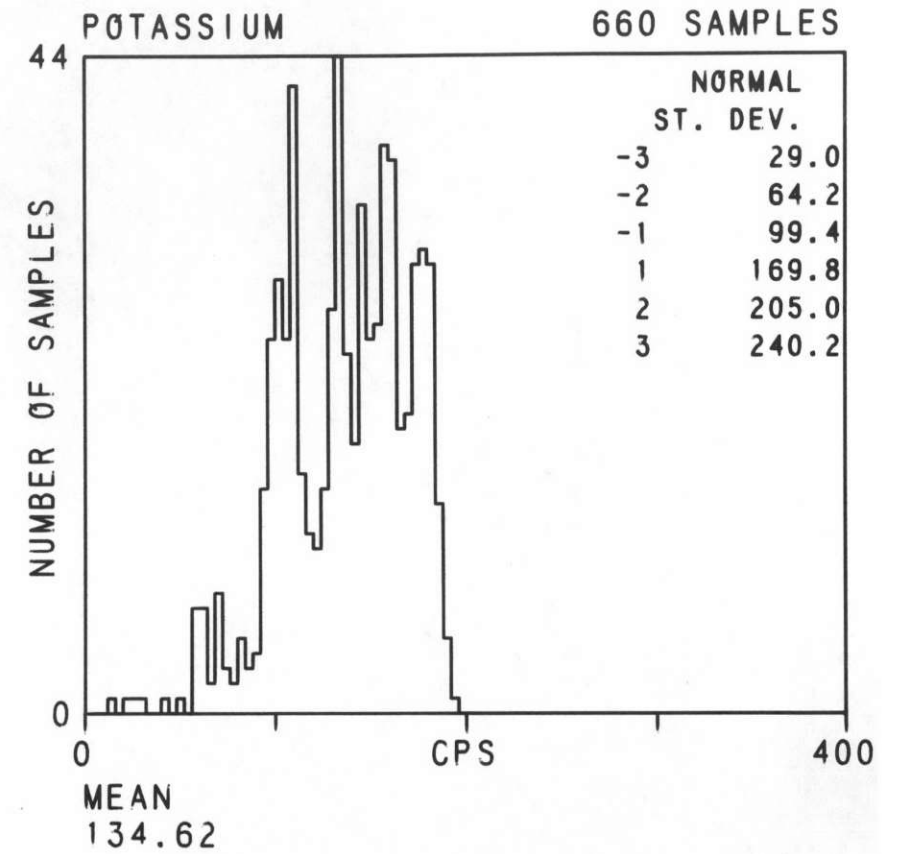
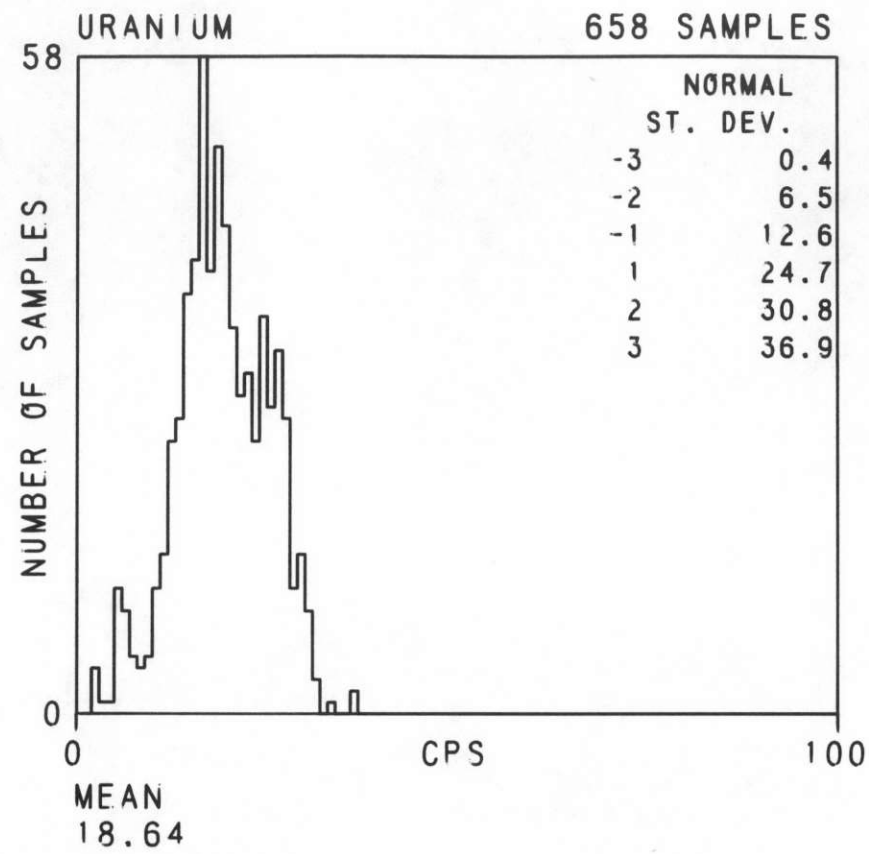
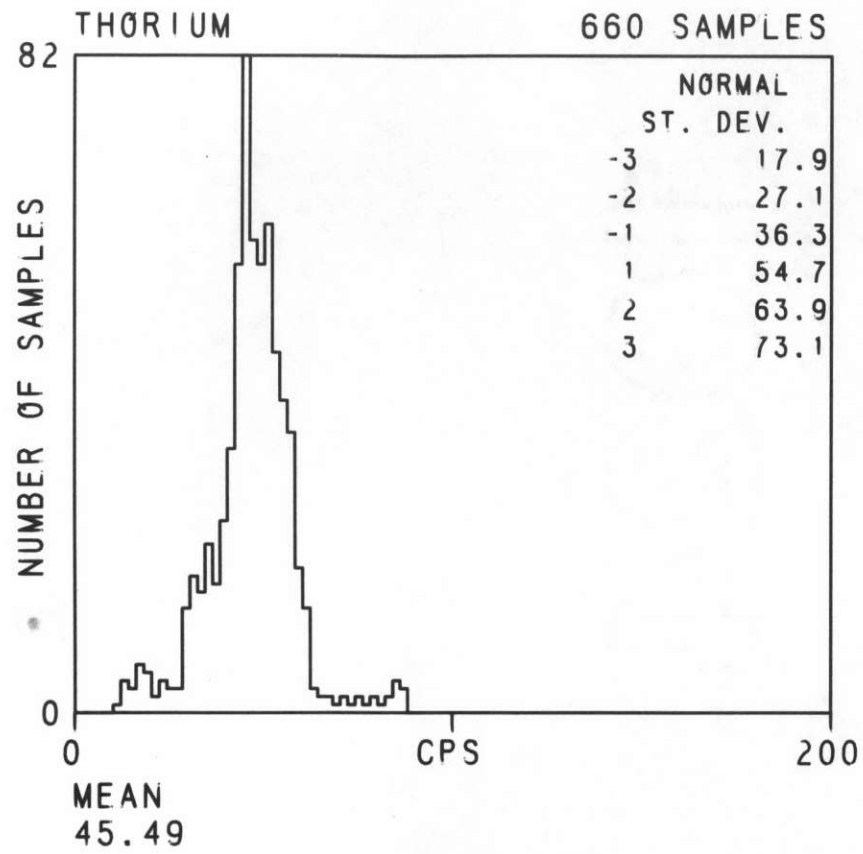


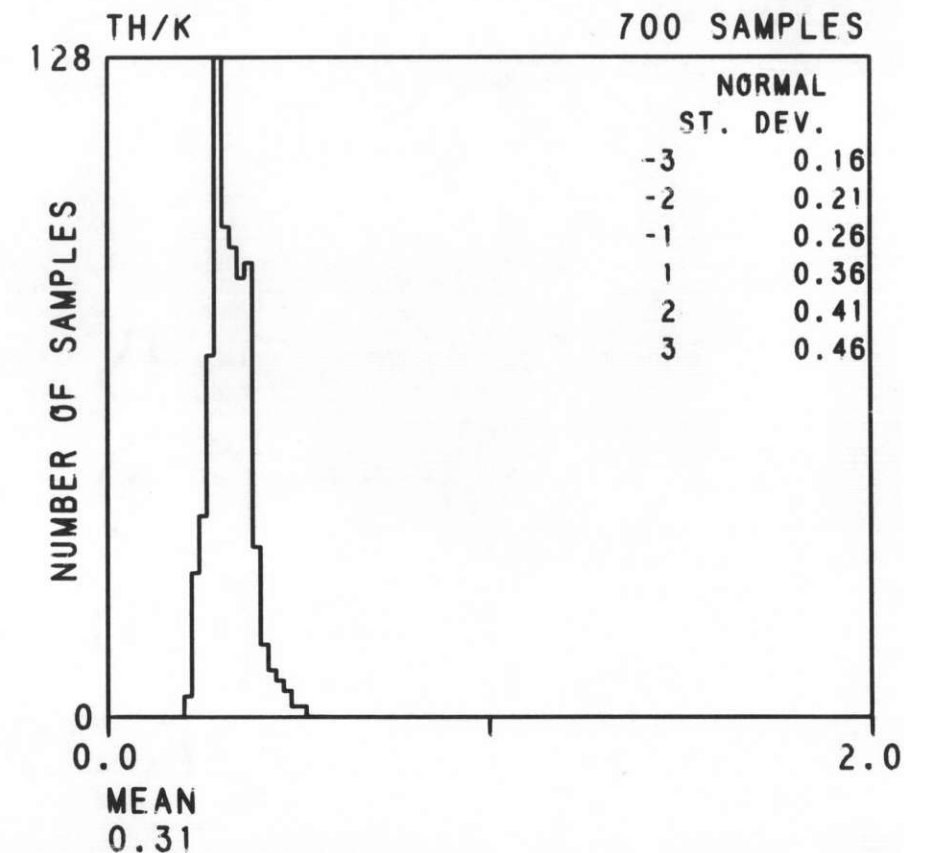
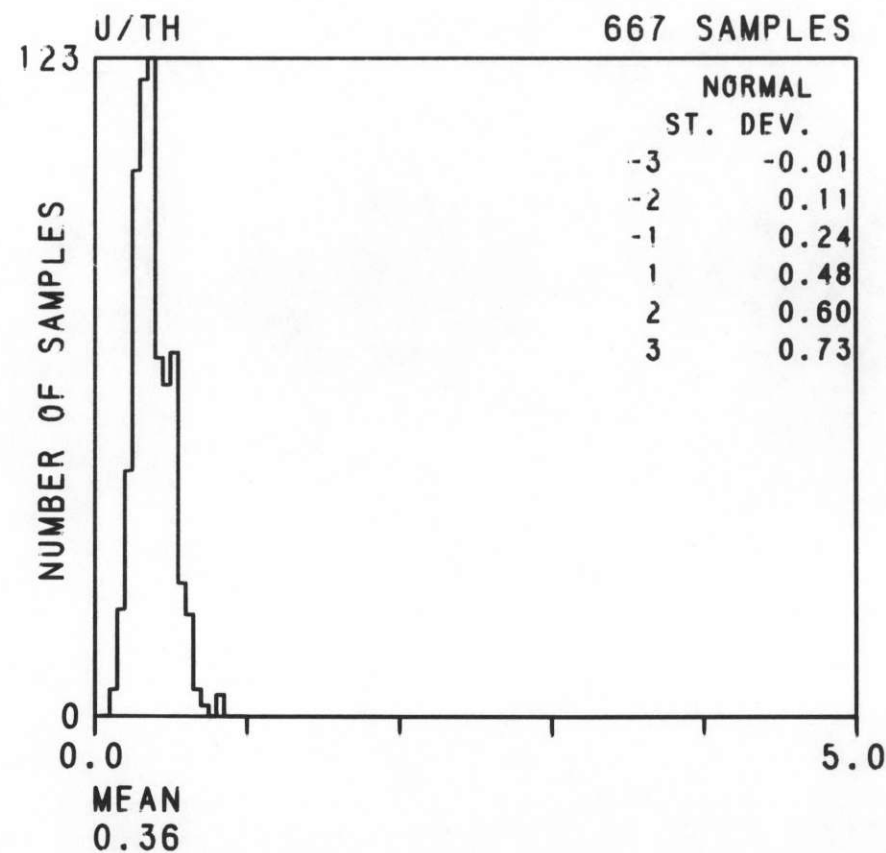
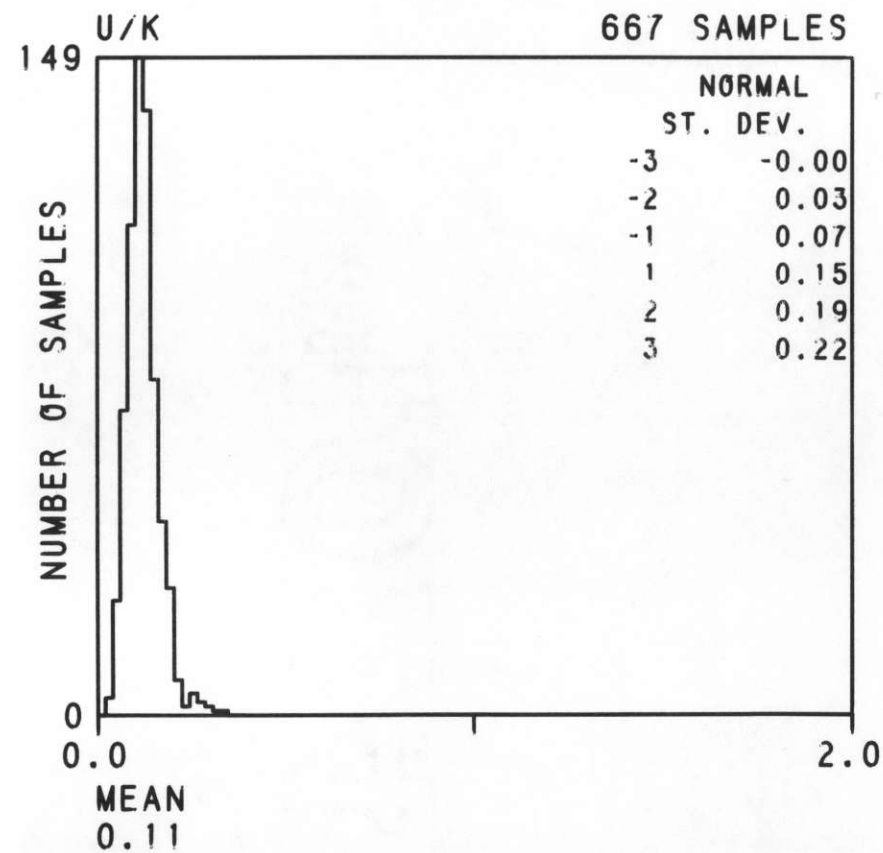
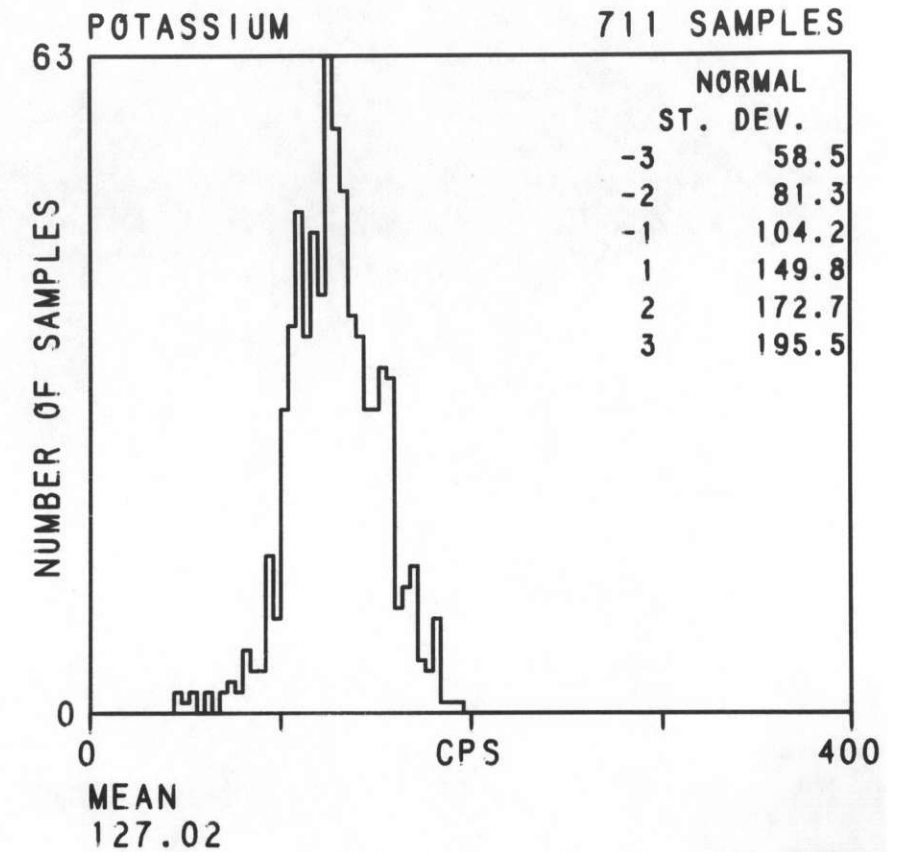
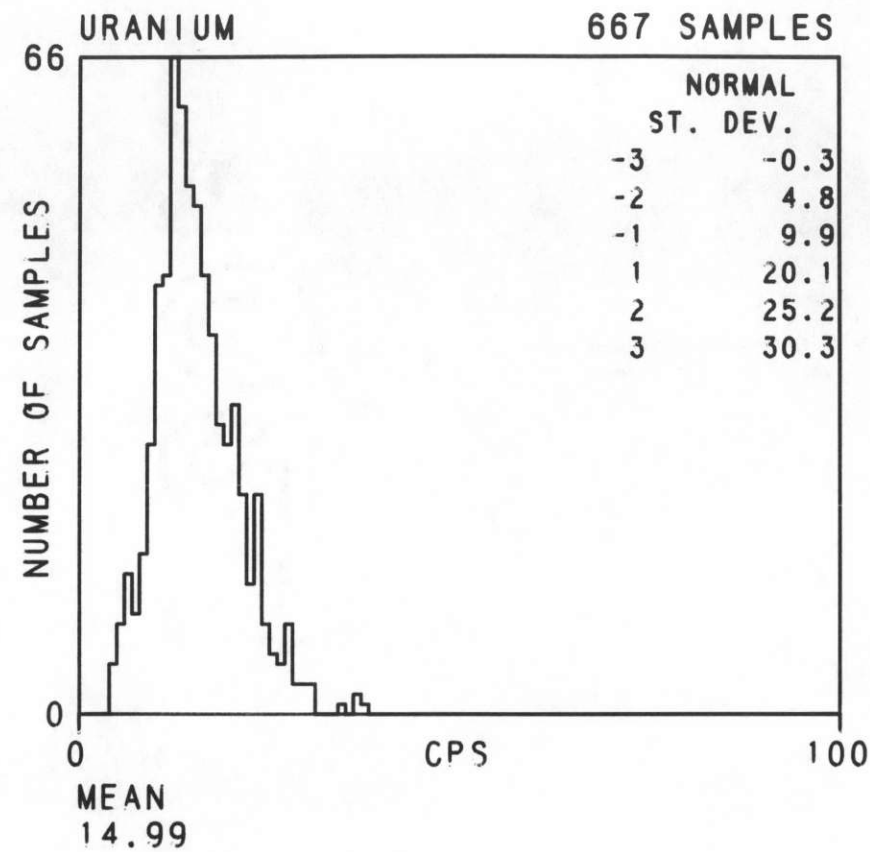
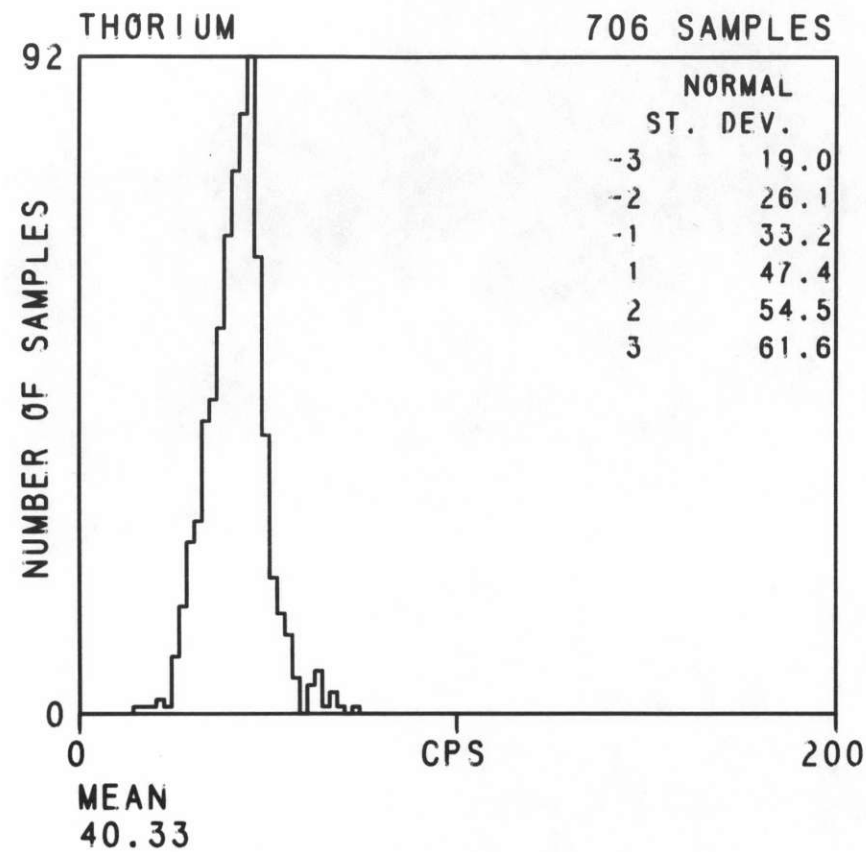
DUBOIS
NL 12-10

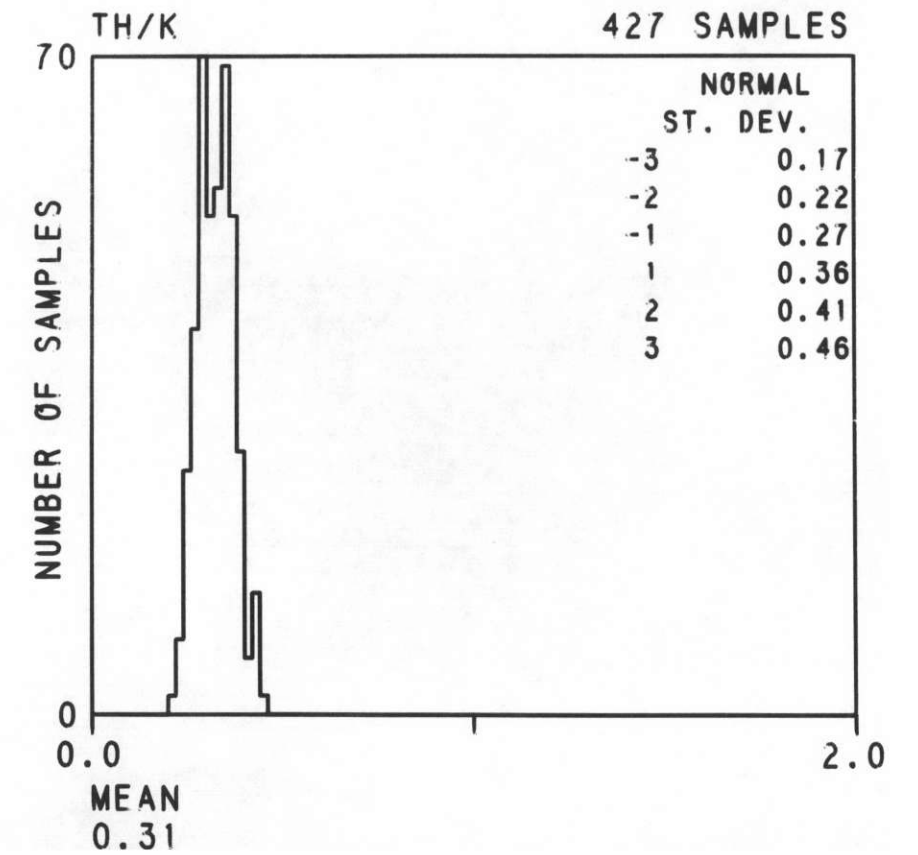
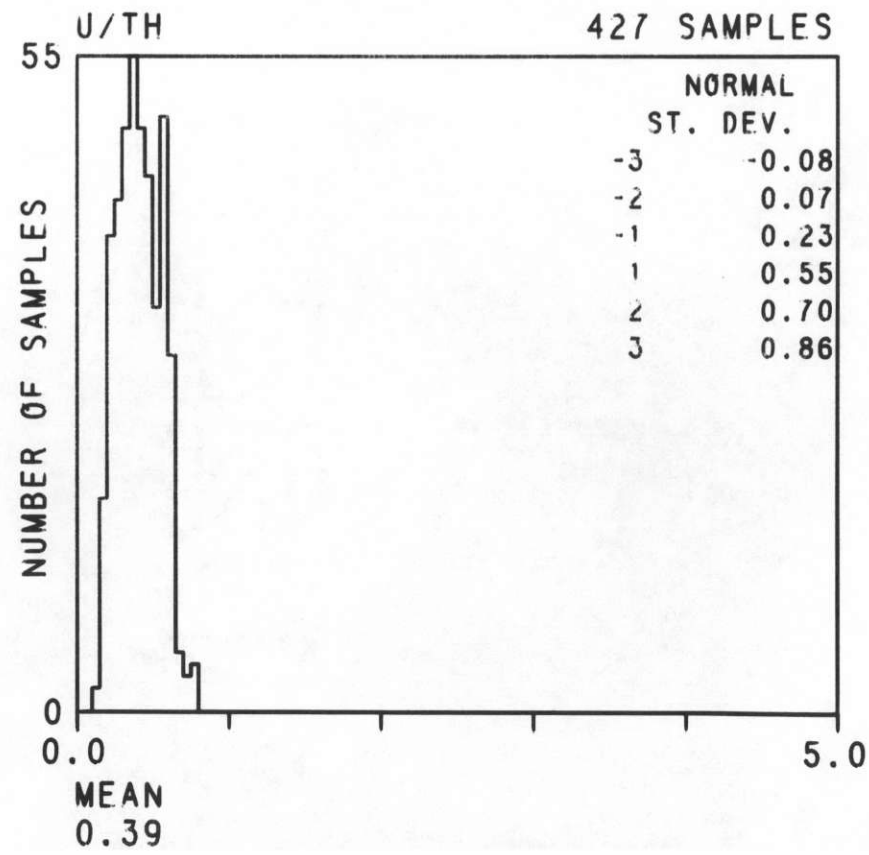
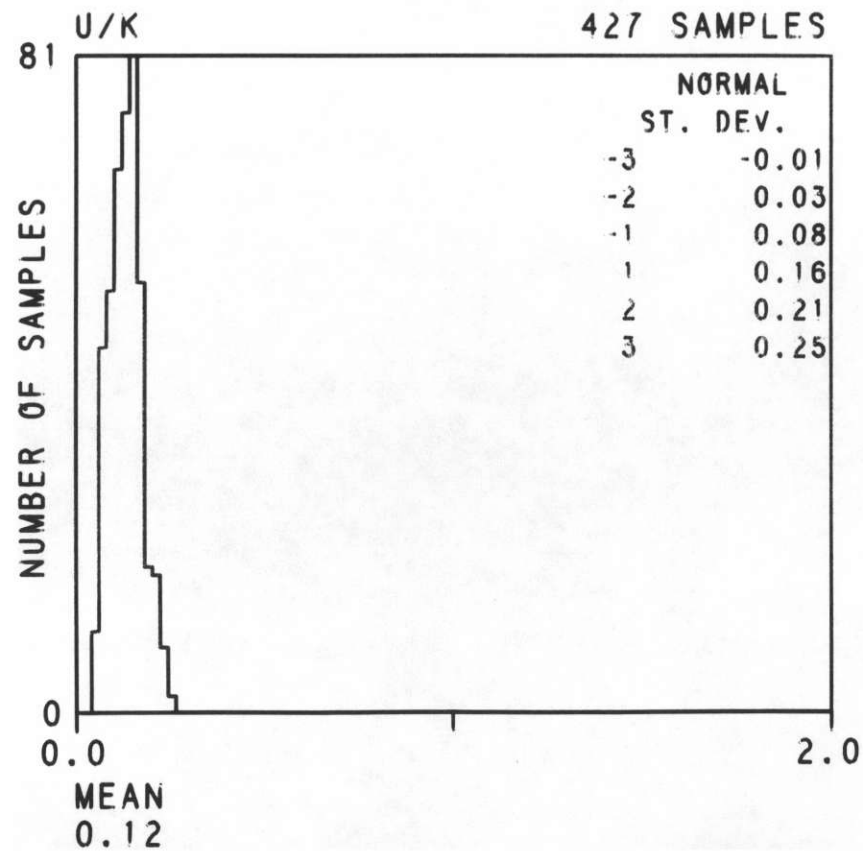
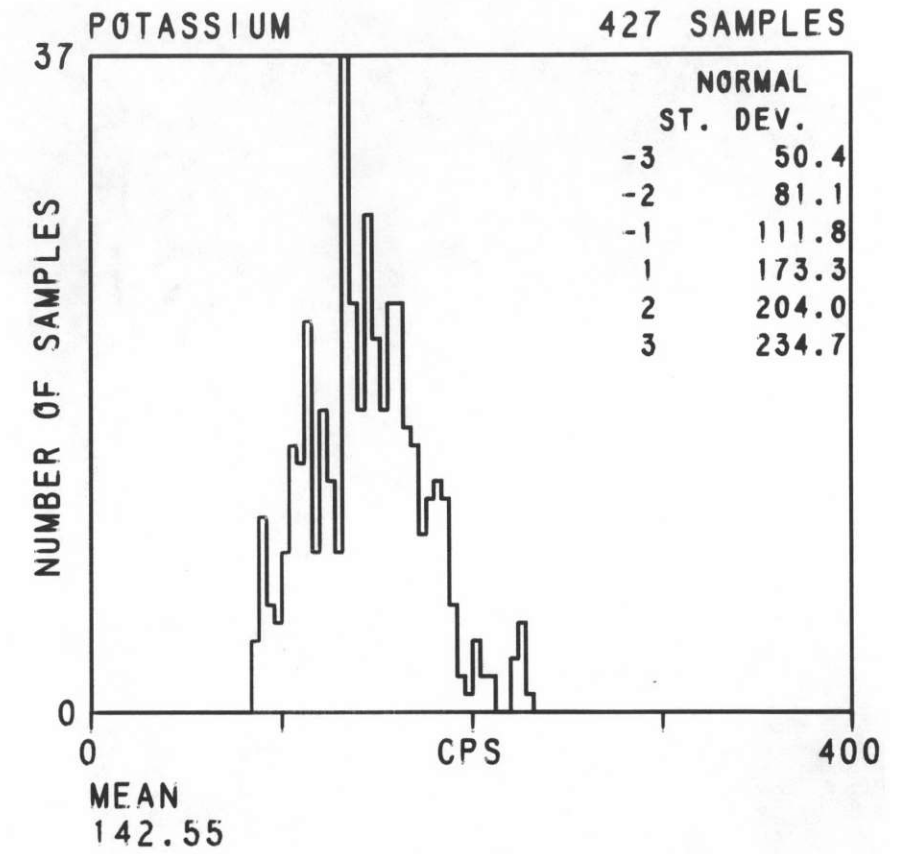
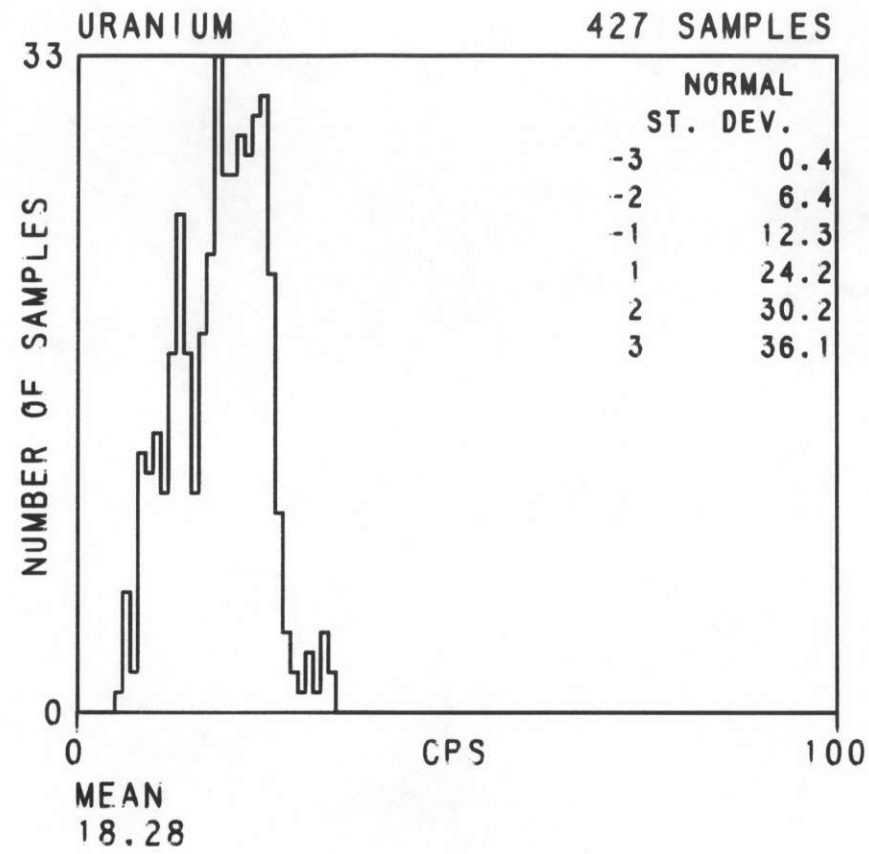
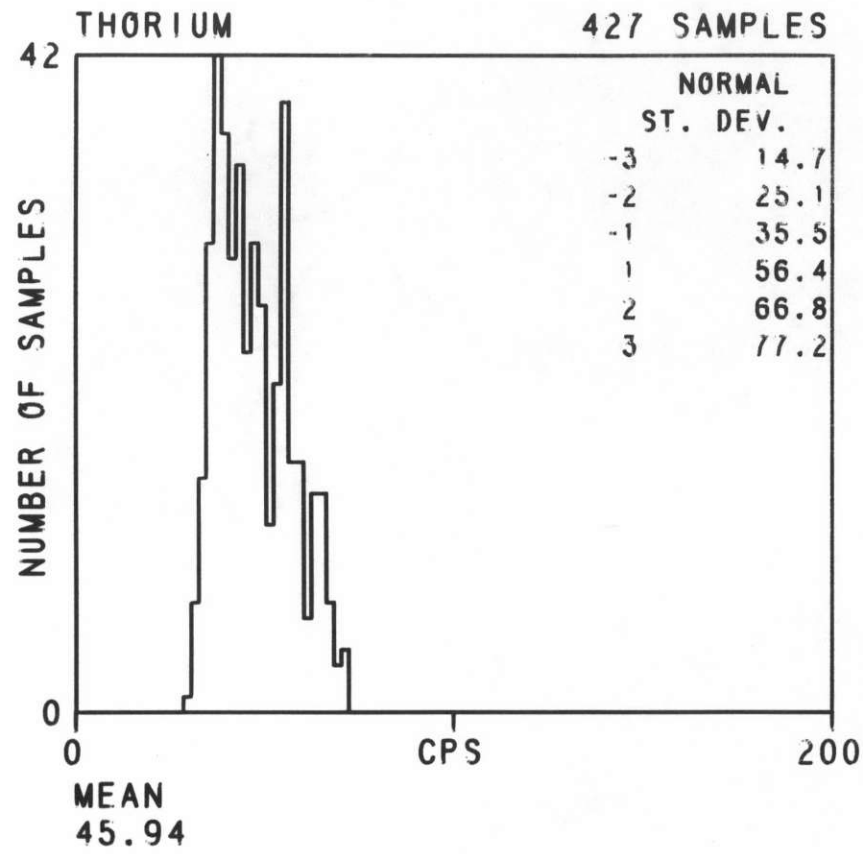
FORMATION PCGS
TOTAL SAMPLES 454

AERO SERVICE
1978





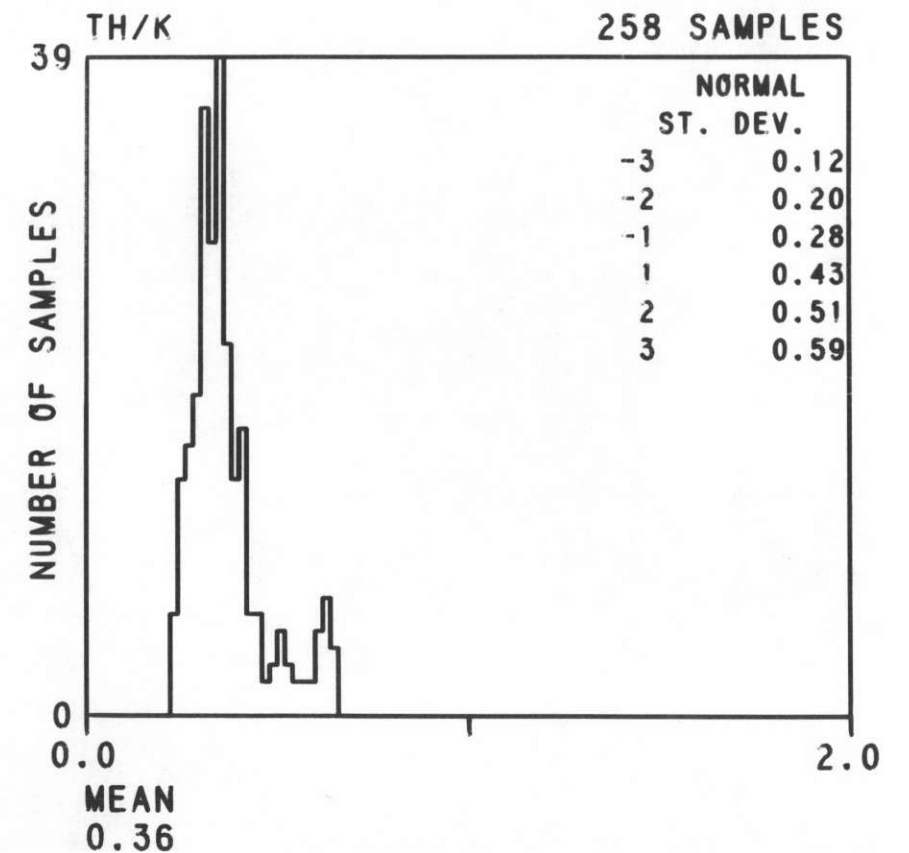
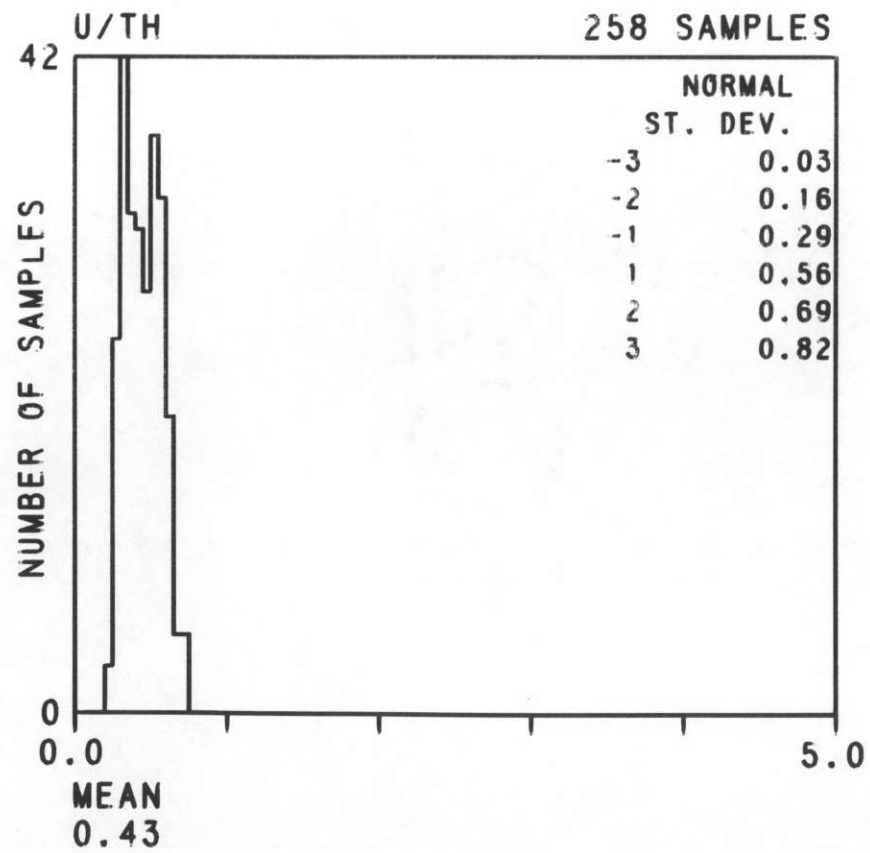
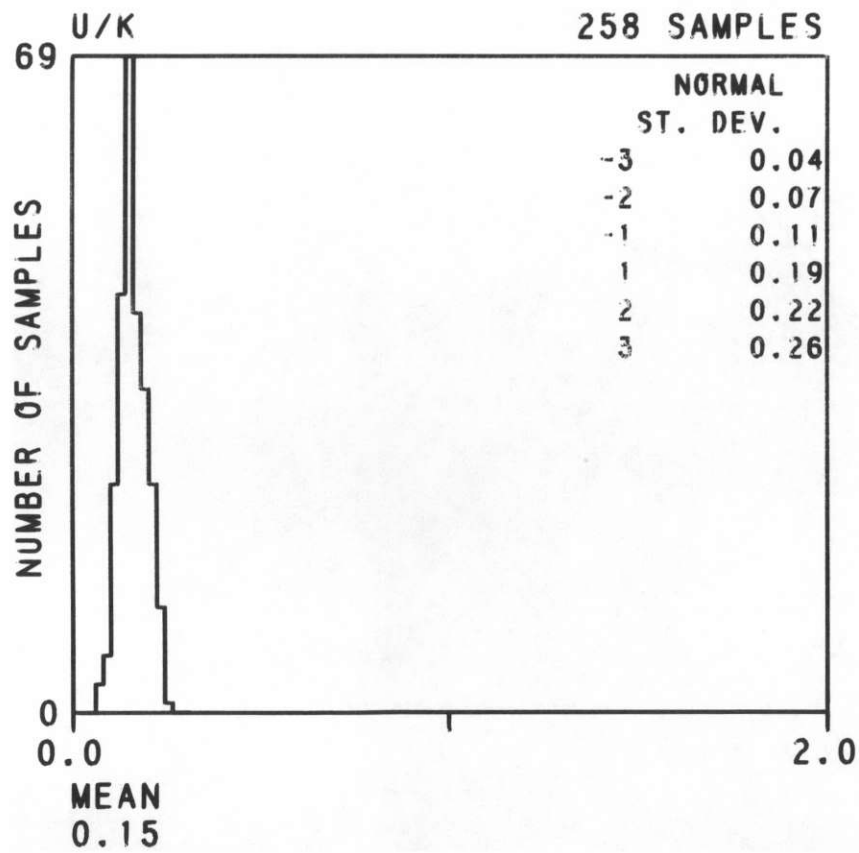
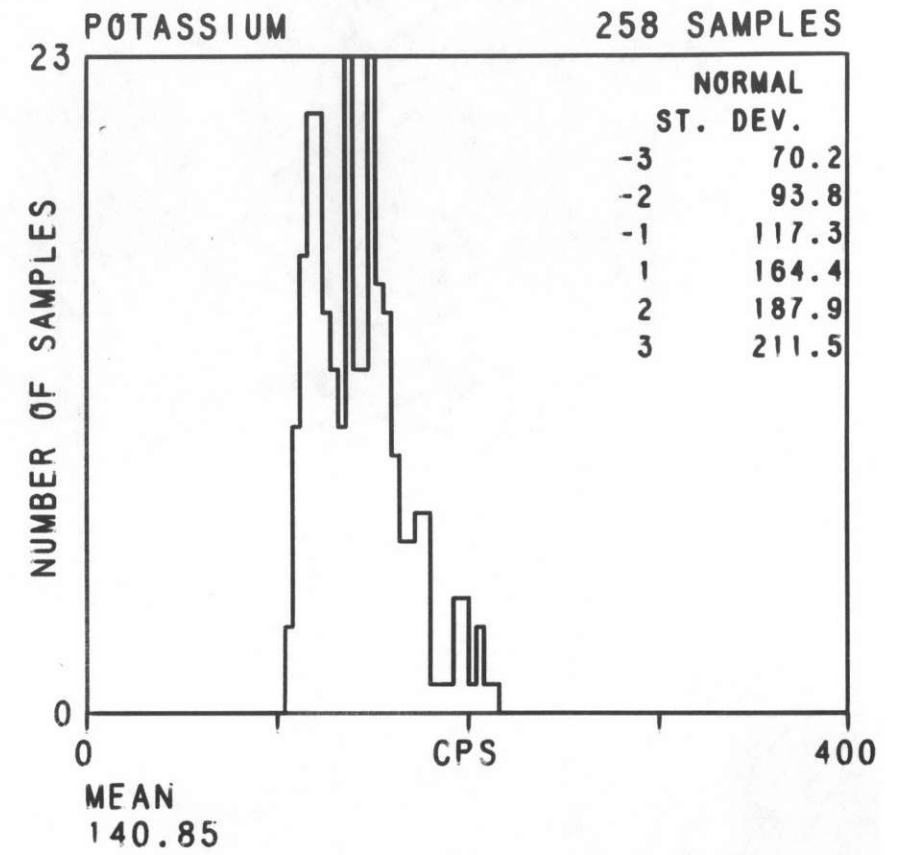
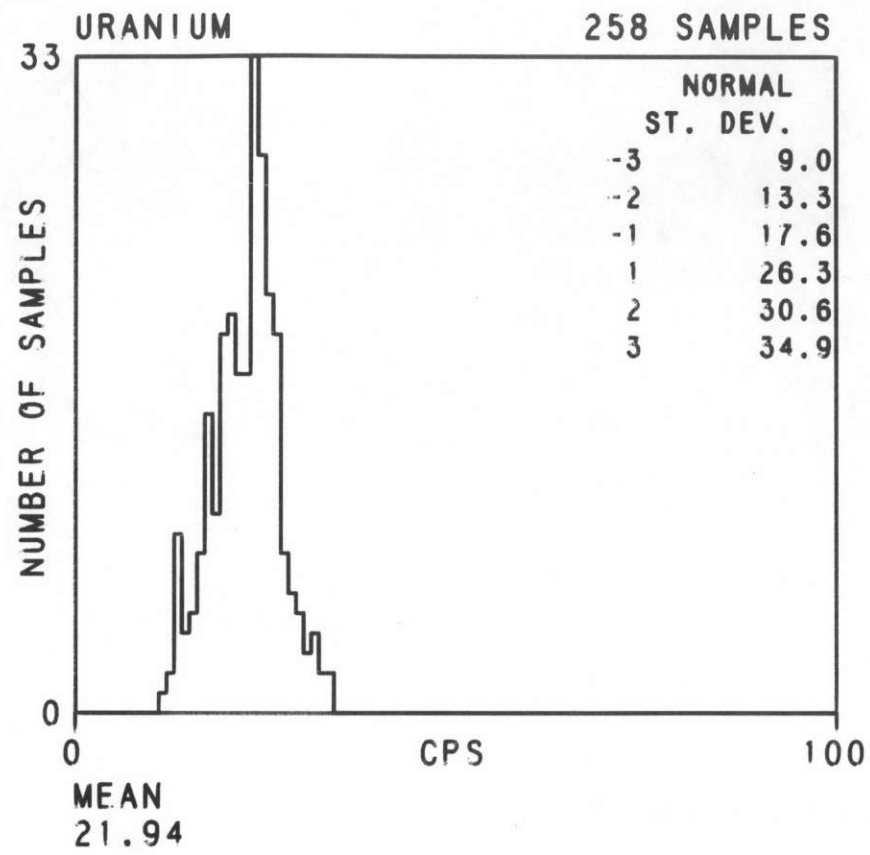
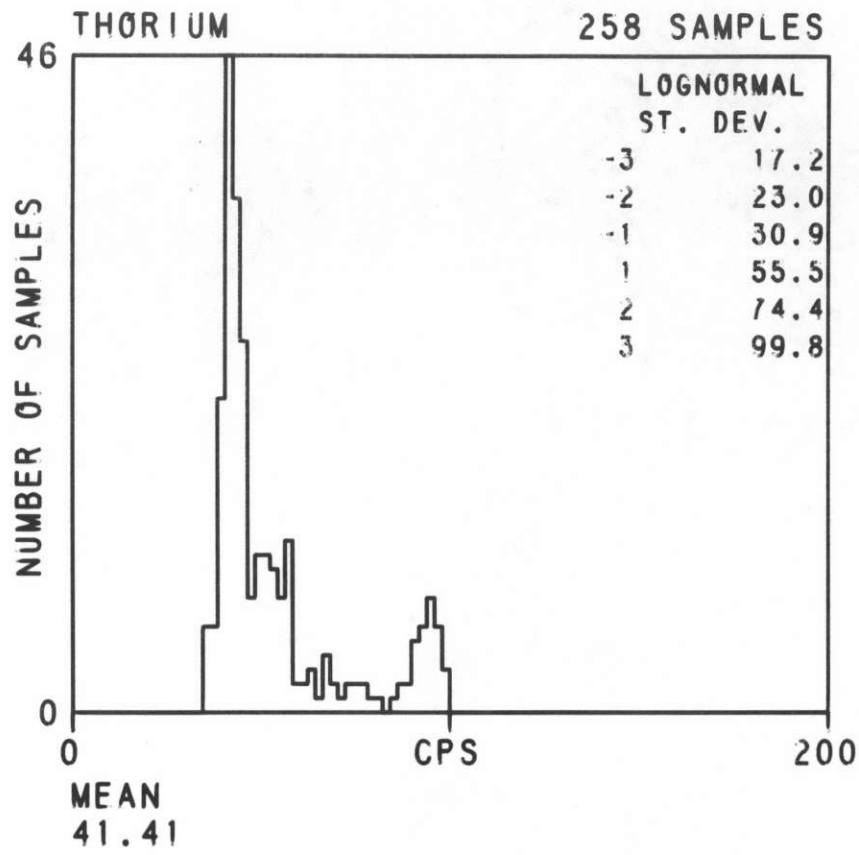


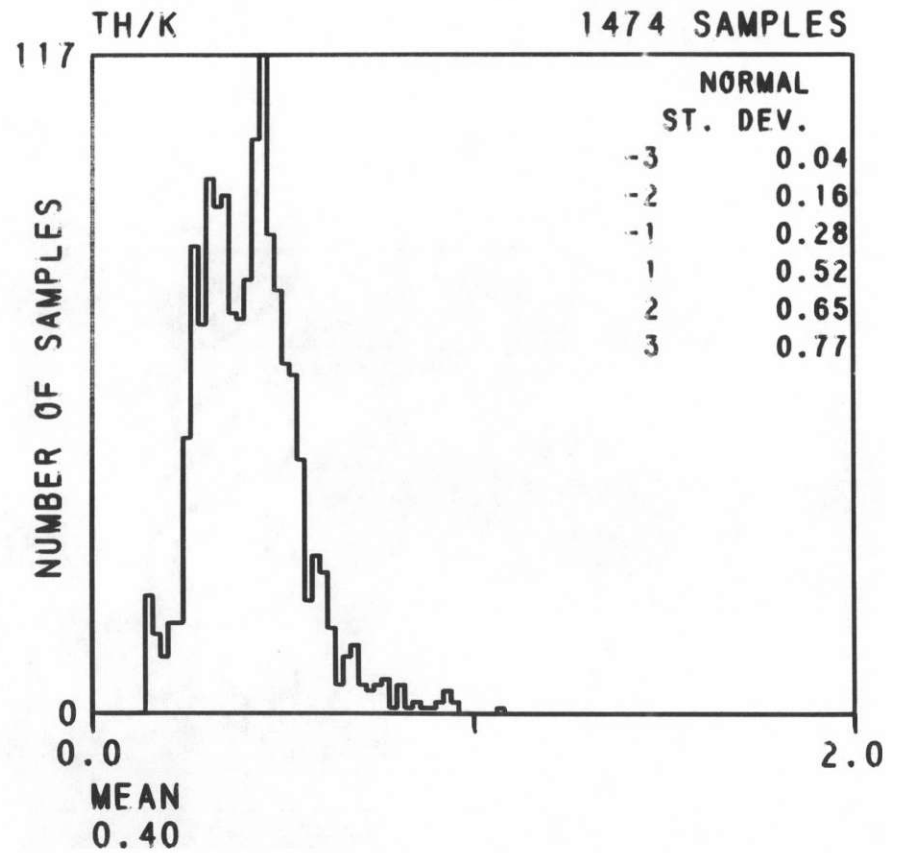
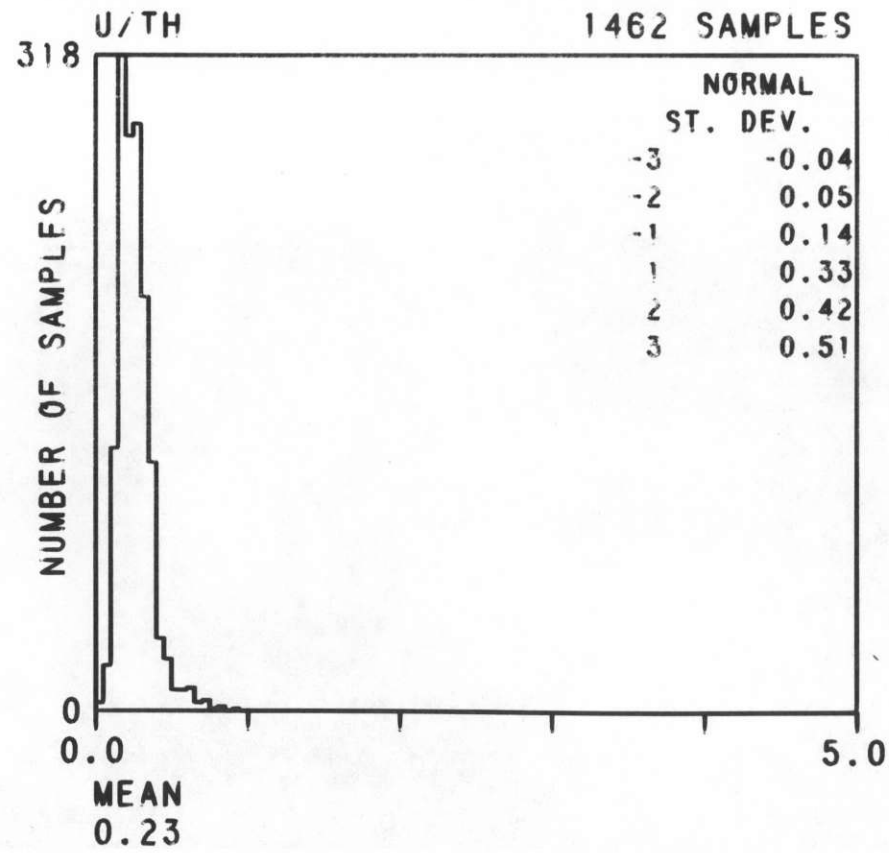
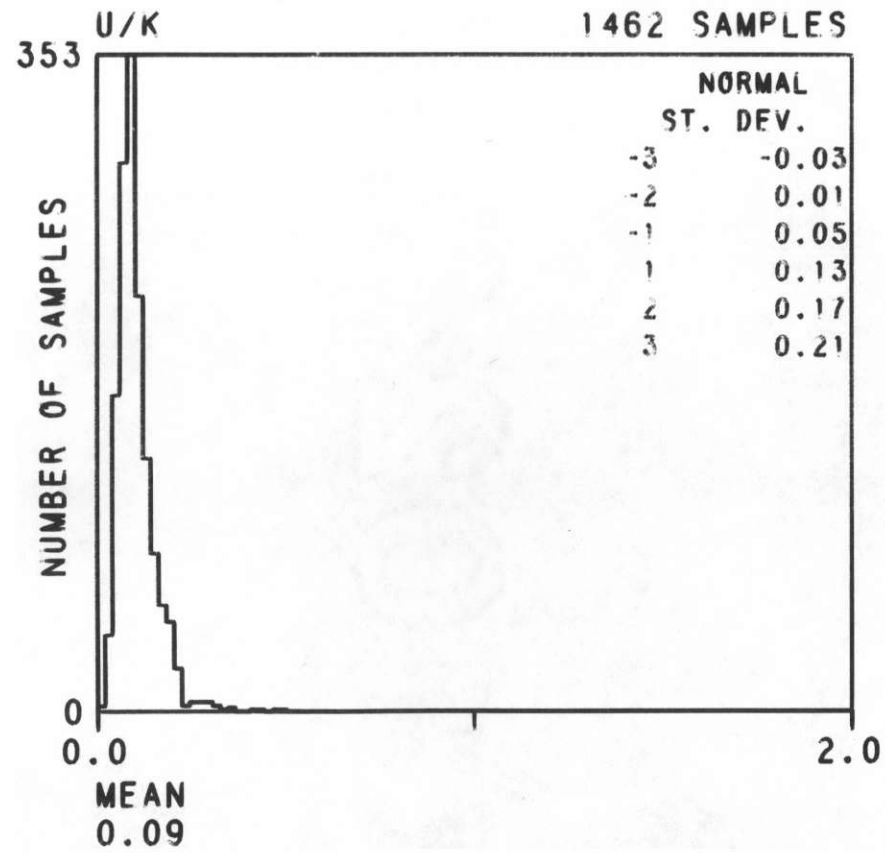
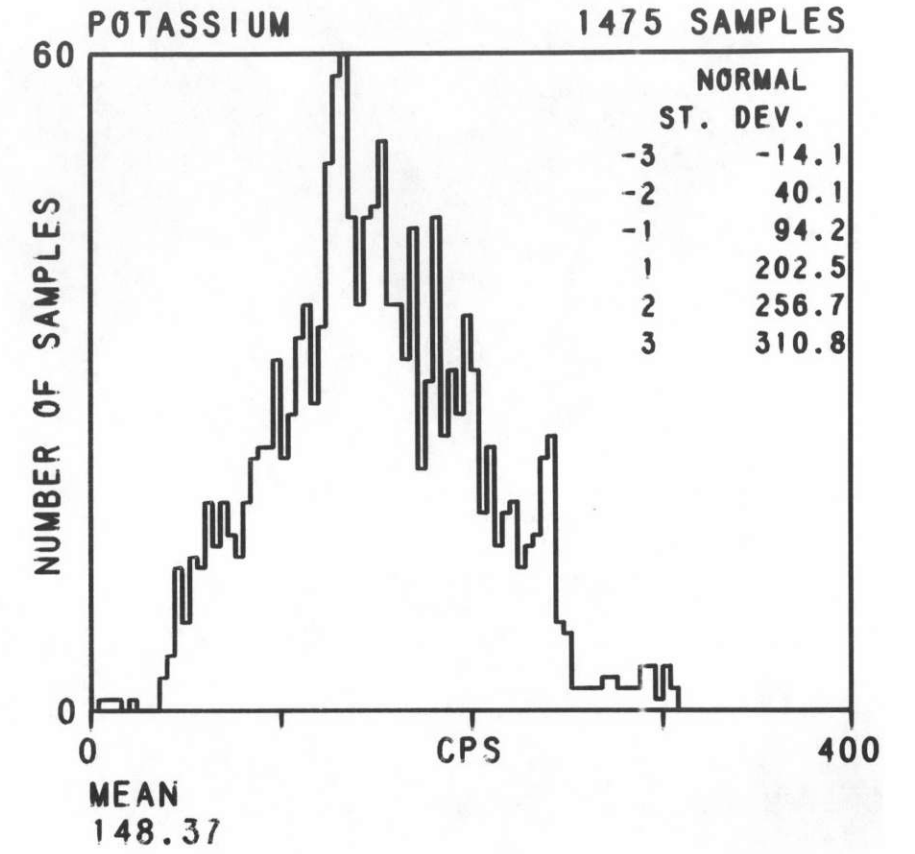
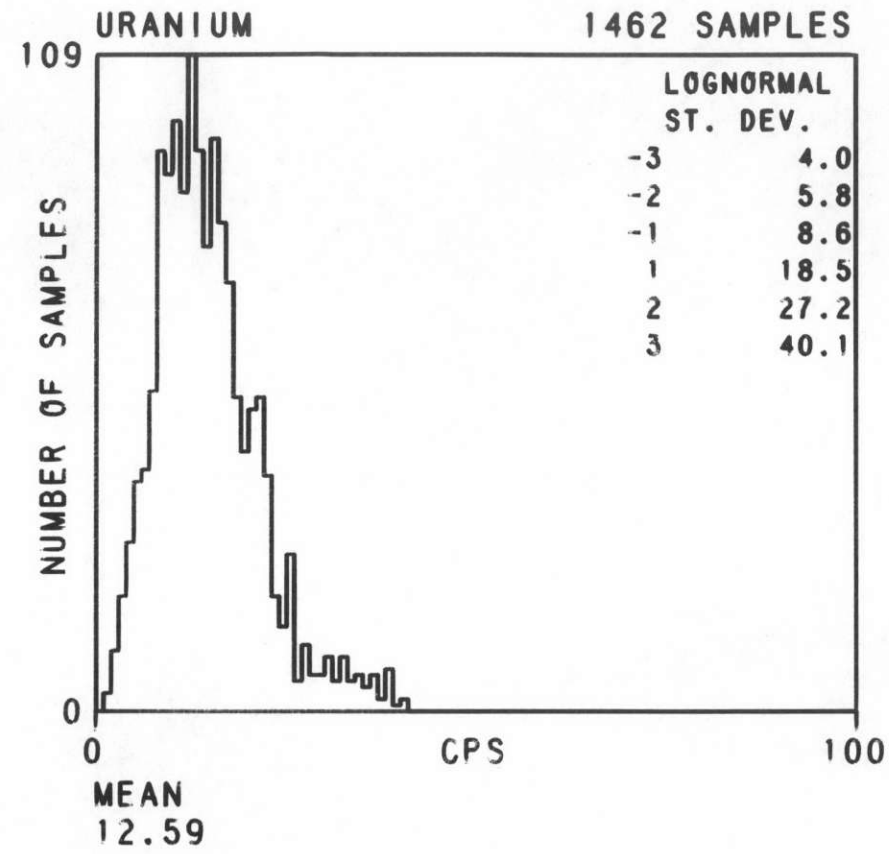
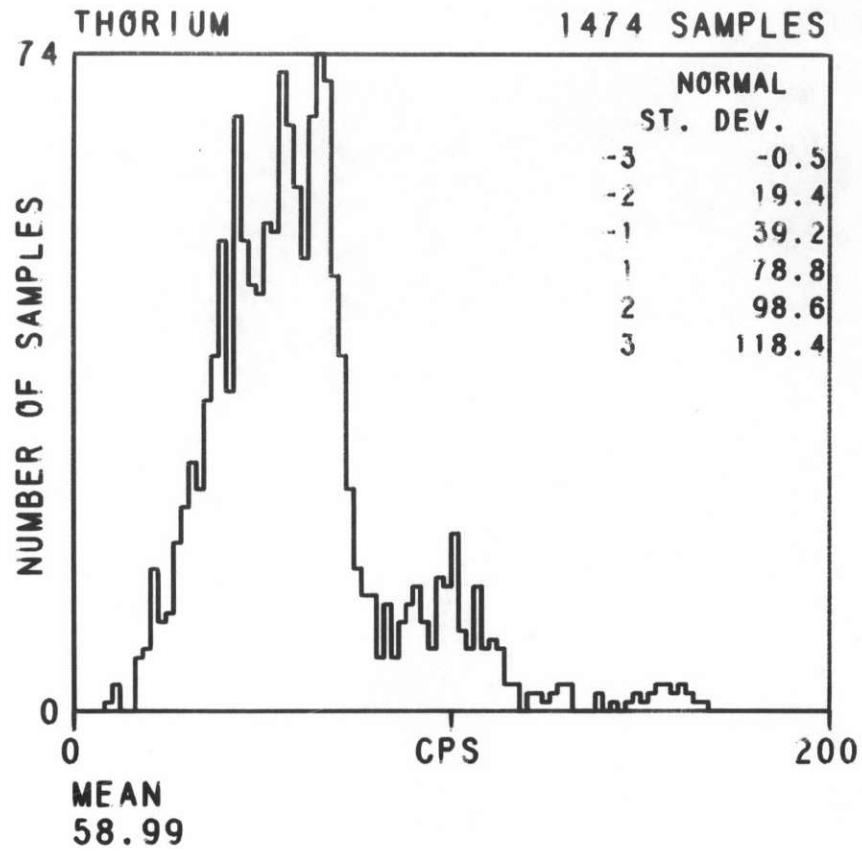


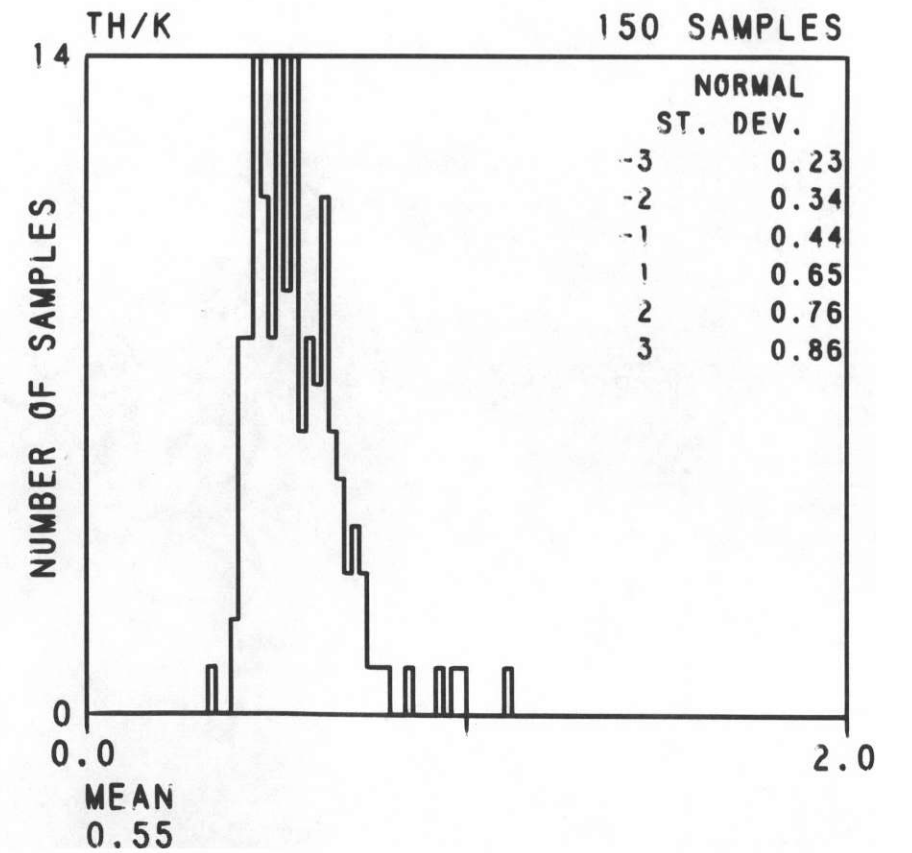
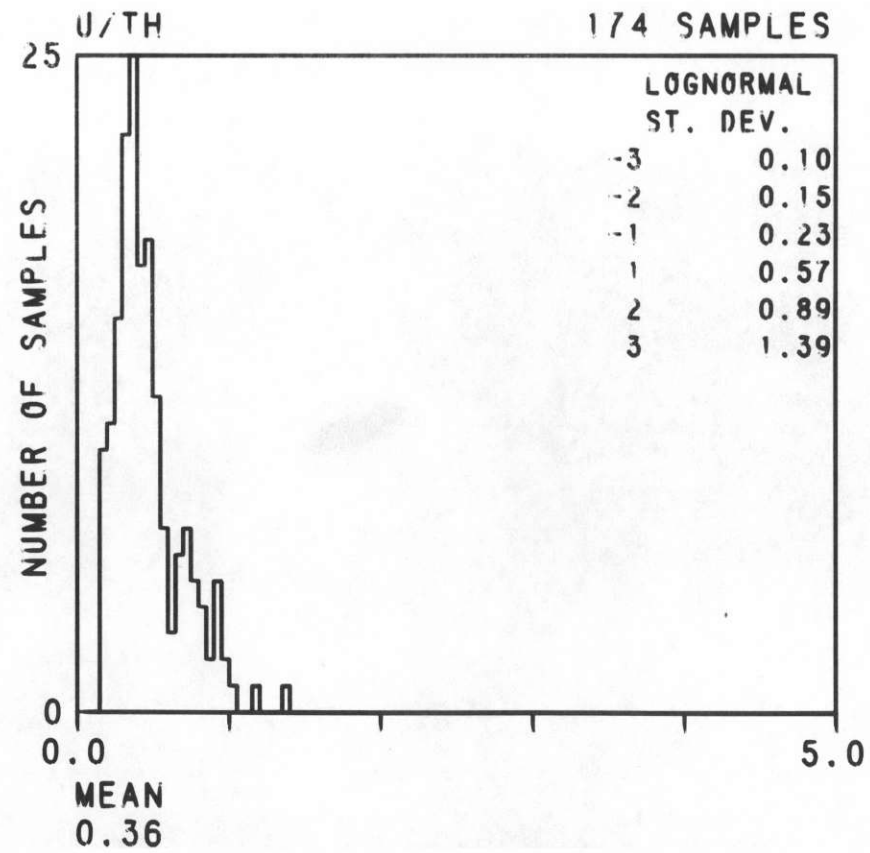
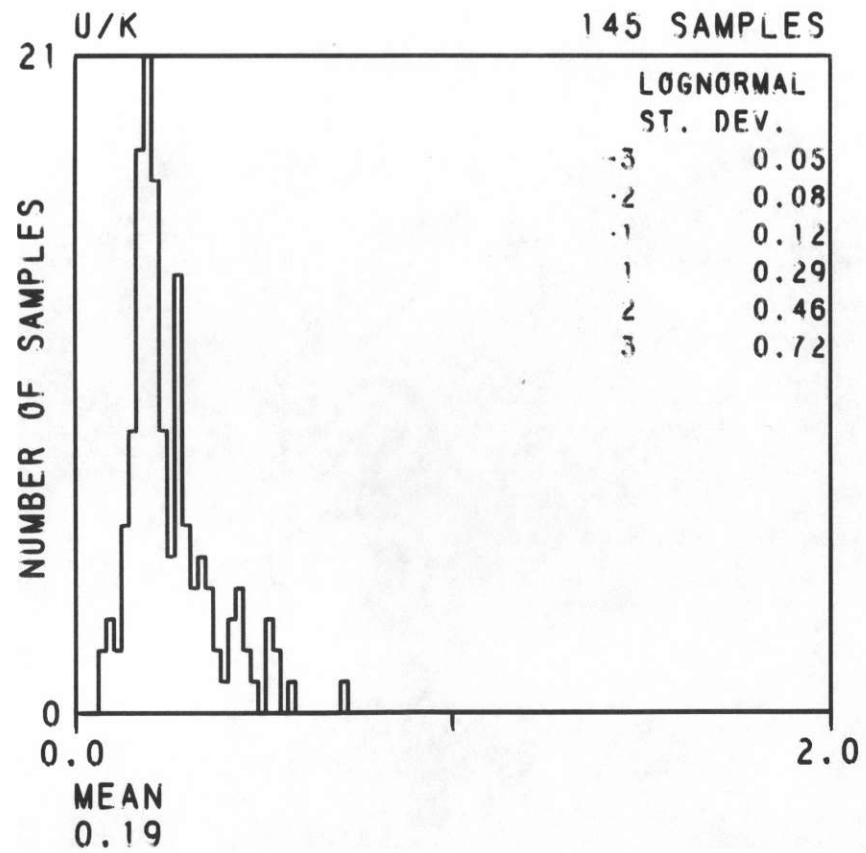
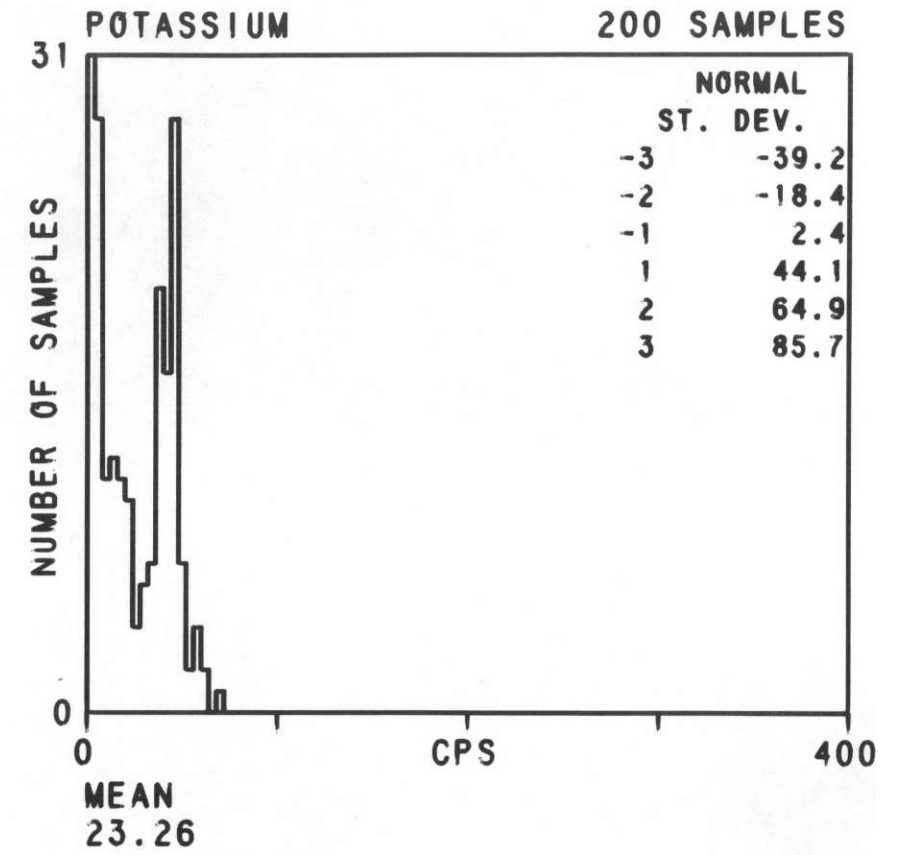
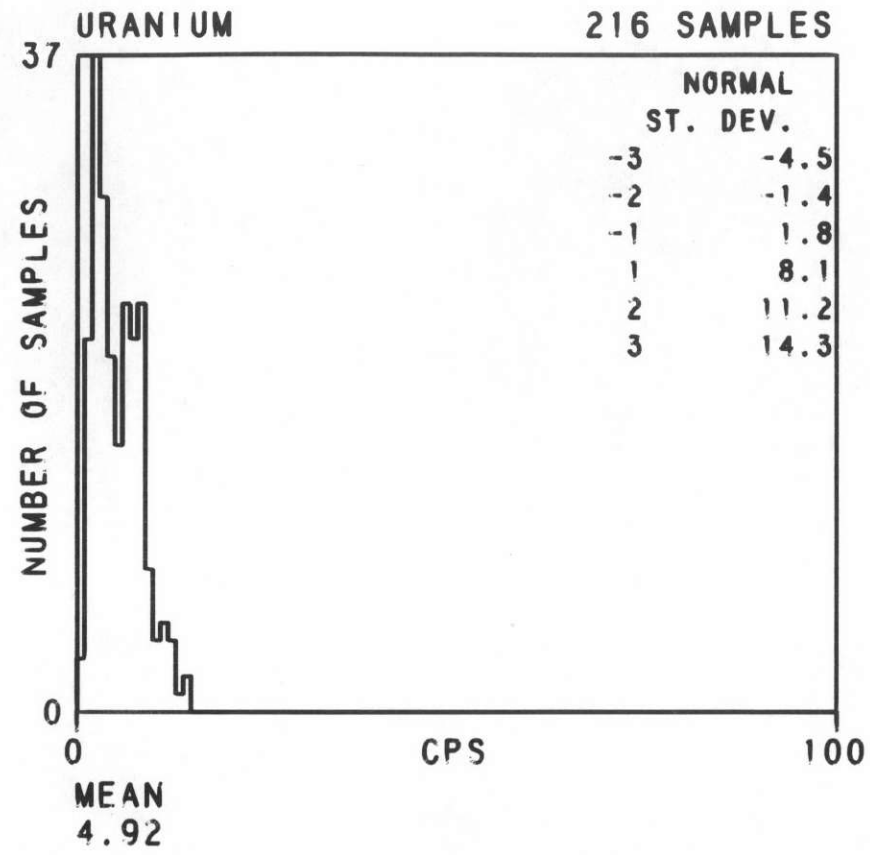
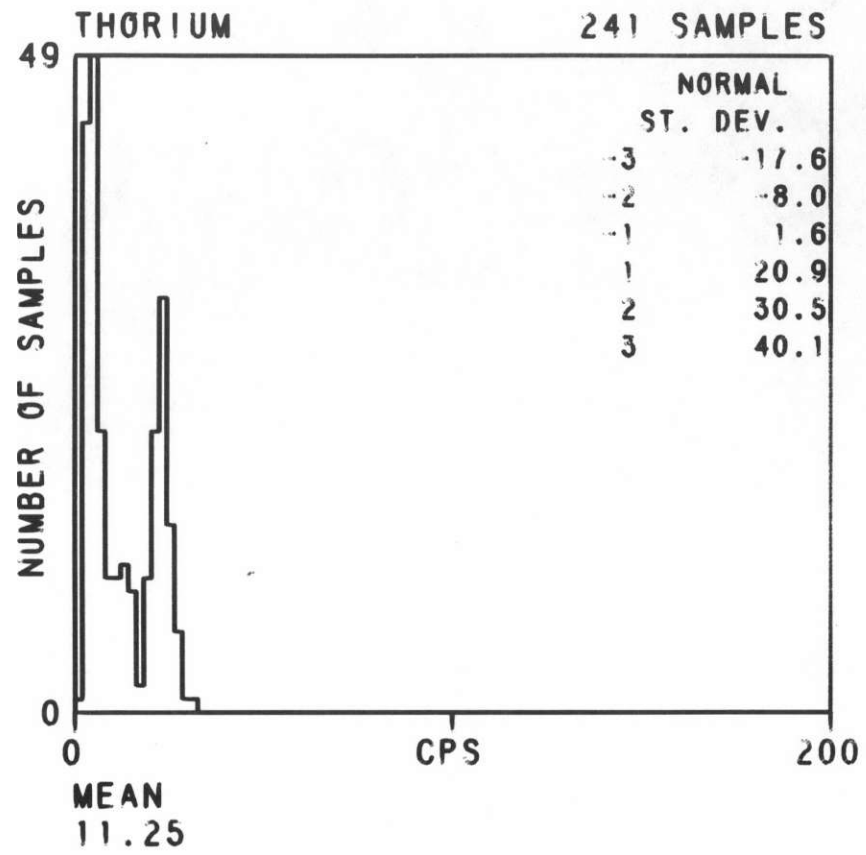
DUBOIS
NL 12-10

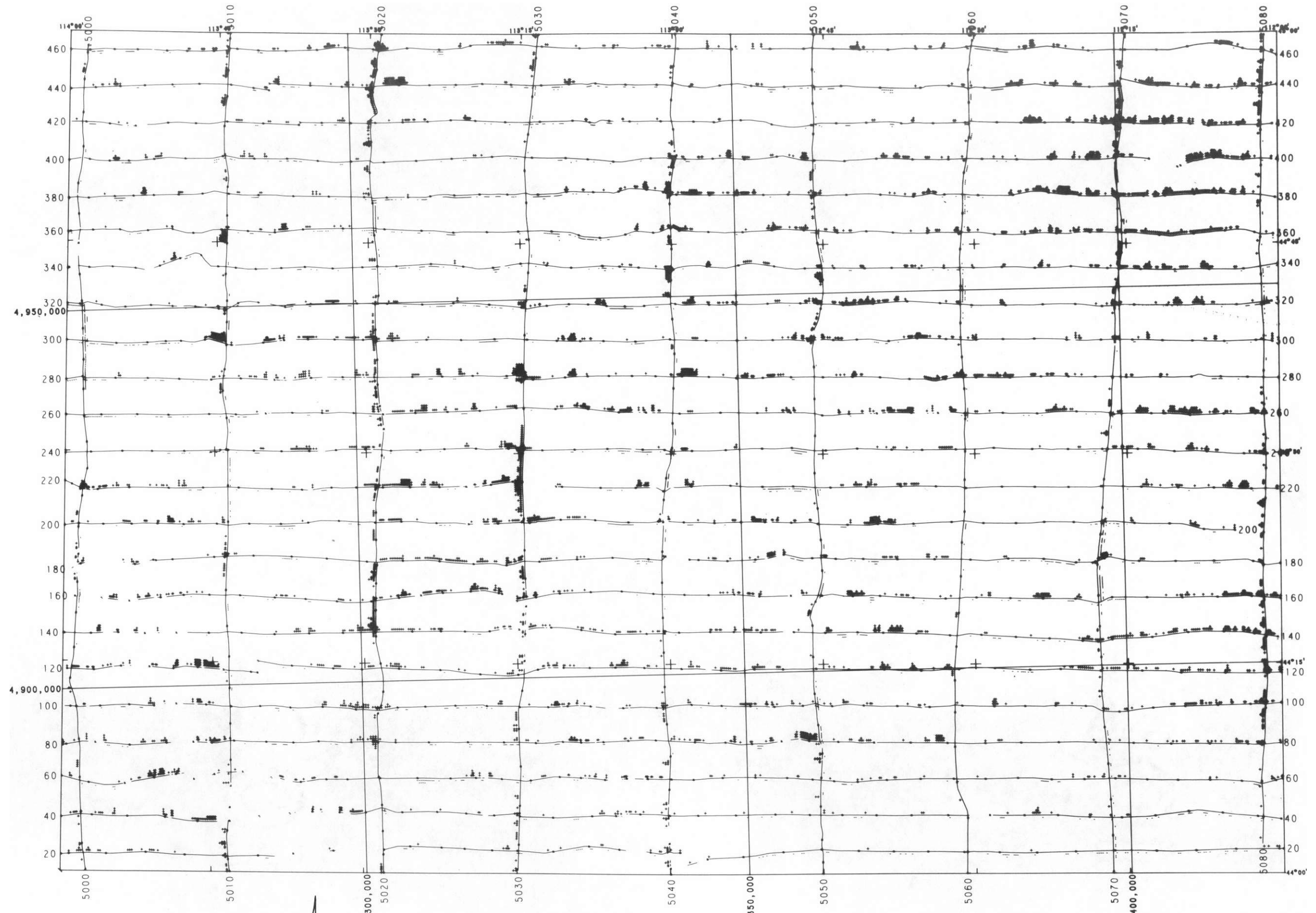
FORMATION PCY
TOTAL SAMPLES 258

AERO SERVICE
1978

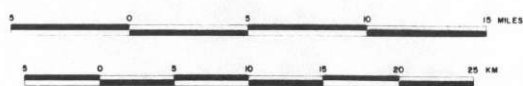






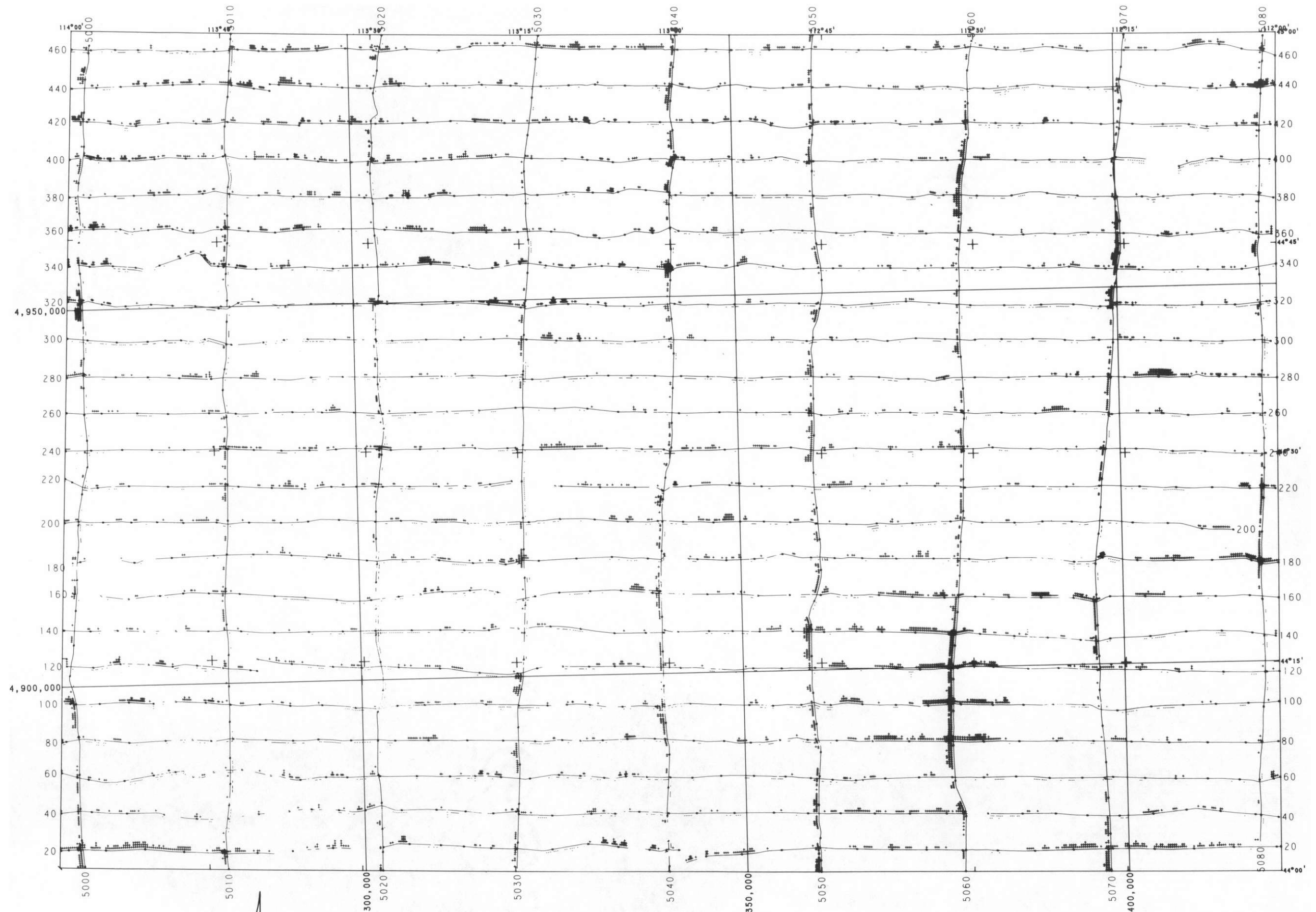


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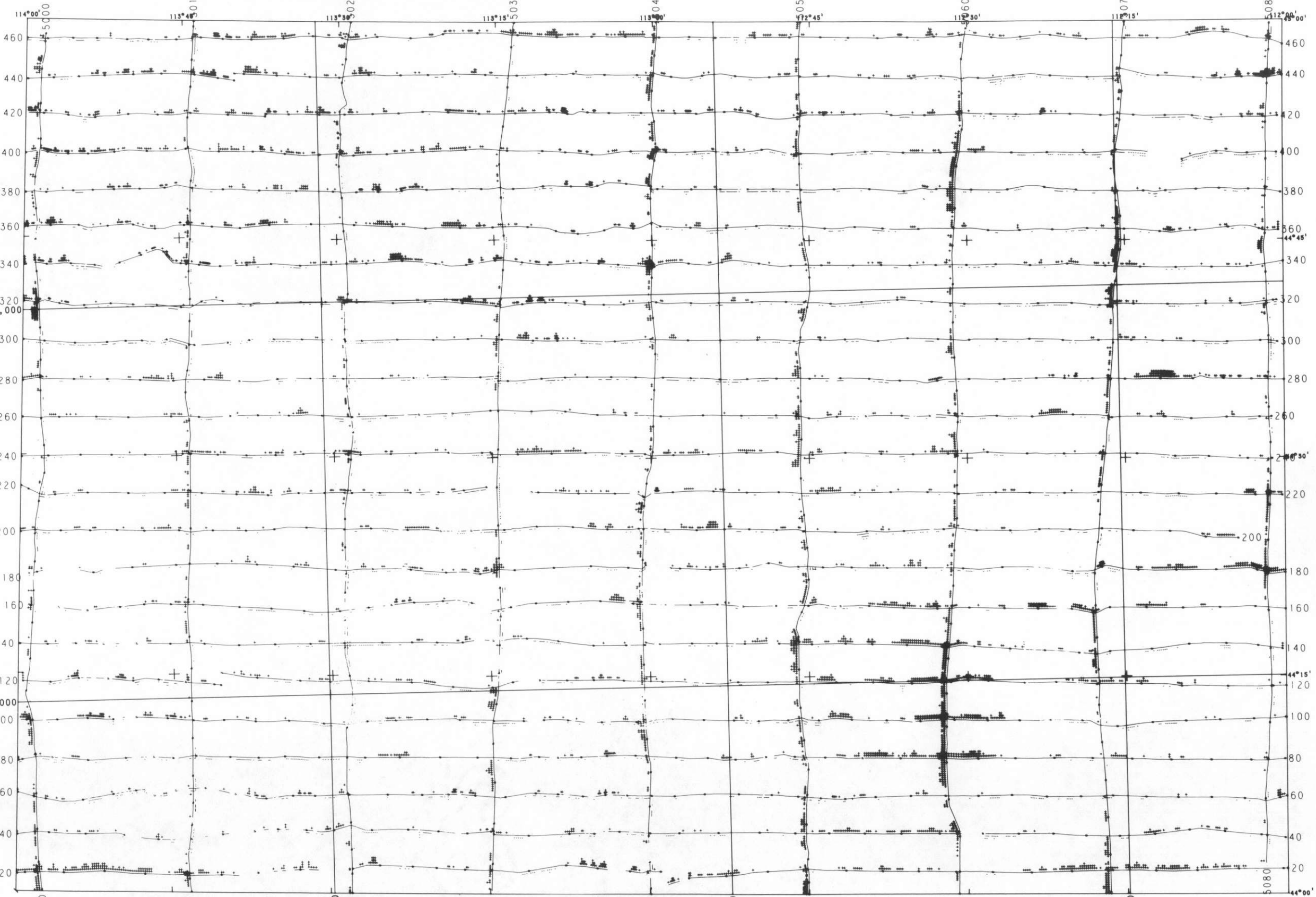
FLIGHT PATH PLOTTED DATA ADEQUATE
 FLIGHT PATH BLANK DATA INADEQUATE
 ++ COUNT RATE GREATER THAN 3,2,1 STANDARD DEVIATIONS ABOVE MEAN
 -- COUNT RATE LOWER THAN 3,2,1 STANDARD DEVIATIONS BELOW MEAN
 - COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 NEITHER + NOR - FLOWN AND COMPILED 1979

THORIUM/POTASSIUM ANOMALY MAP
 DU BOIS
 NL-12-10
 DOE/NURE



4,950,000

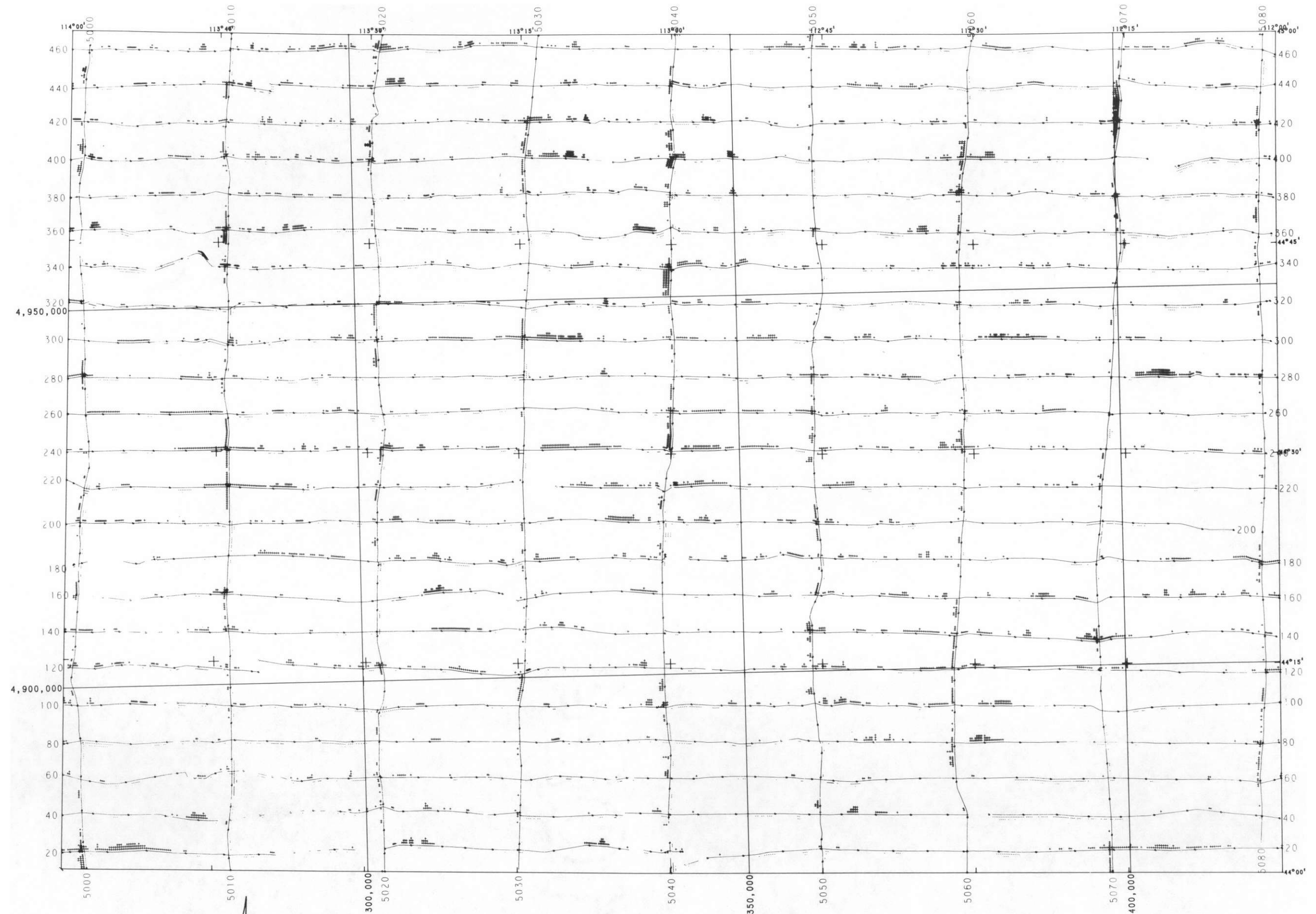
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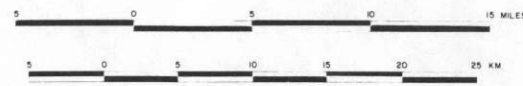
AERO SERVICE
Houston, Texas 77001

FLIGHT PATH PLOTTED DATA ADEQUATE.
 FLIGHT PATH BLANK DATA INADEQUATE.
 + COUNT RATE GREATER THAN 3.2, (1 STANDARD DEVIATION) ABOVE MEAN.
 +++ COUNT RATE GREATER THAN 3.2, (1 STANDARD DEVIATION) ABOVE MEAN.
 - COUNT RATE LOWER THAN 3.2, (1 STANDARD DEVIATION) BELOW 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

URANIUM ANOMALY MAP
DU BOIS
NL-12-10
DOE/NURE

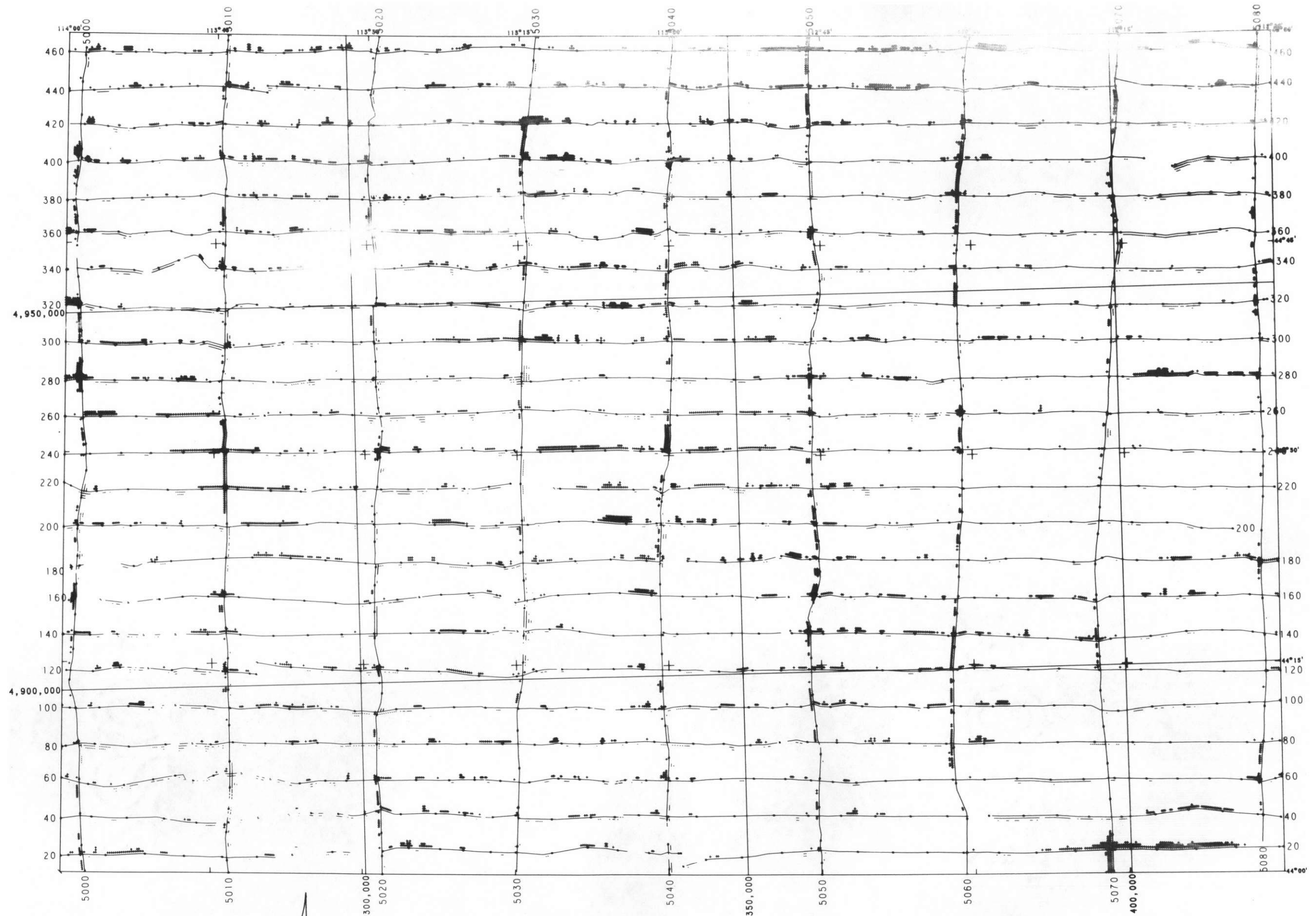


AERO SERVICE
 Litton Houston, Texas 77001

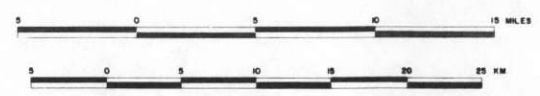


FLIGHT PATH PLOTTED DATA ADEQUATE
 FLIGHT PATH BLANK DATA INADEQUATE
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 --- COUNT RATE LOWER THAN 3,2,1 STANDARD DEVIATION(S) BELOW MEAN.
 NEITHER + NOR - COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN.
 FLOWN AND COMPILED 1979

THORIUM ANOMALY MAP
 DU BOIS
 NL-12-10
 DOE/NURE

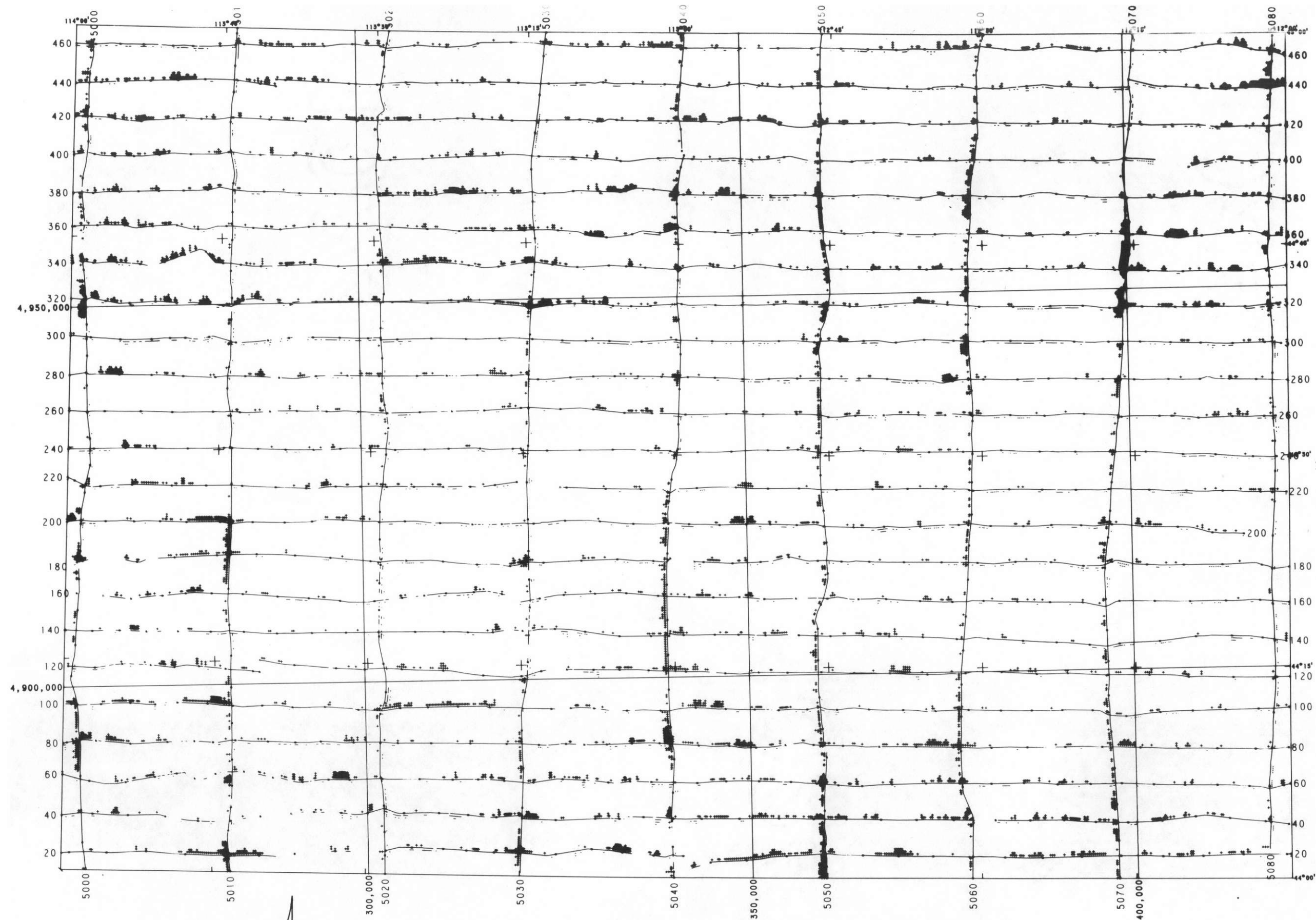


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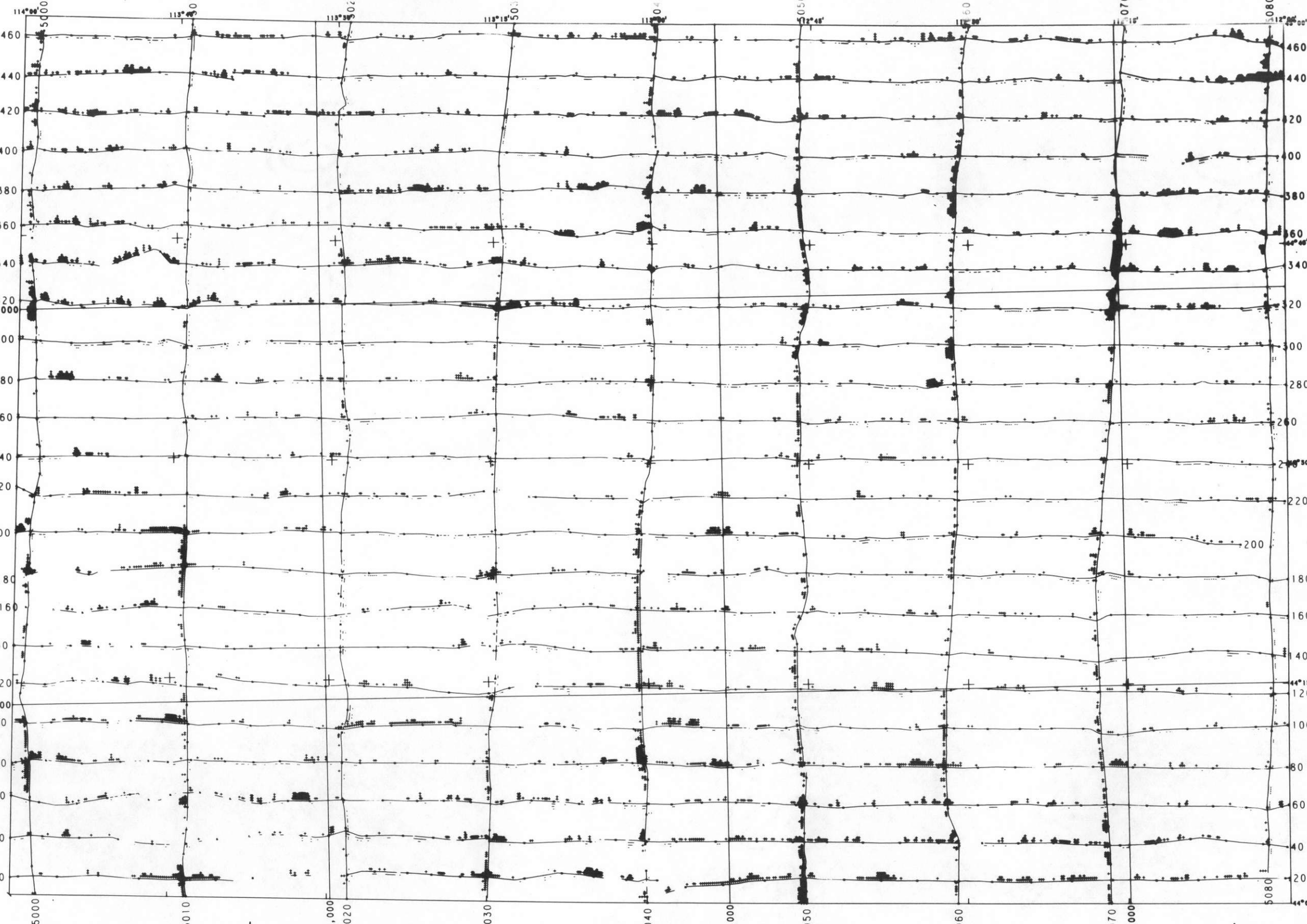
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 + COUNT RATE GREATER THAN 3.2 STANDARD DEVIATIONS ABOVE MEAN
 - COUNT RATE LOWER THAN 3.2 STANDARD DEVIATIONS BELOW MEAN
 - - - COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 NEITHER + NOR - FLOWN AND COMPILED

POTASSIUM ANOMALY MAP
 DU BOIS
 NL-12-10
 DOE/NURE



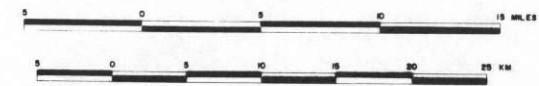
4,950,000

4,900,000



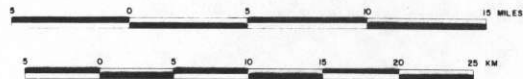
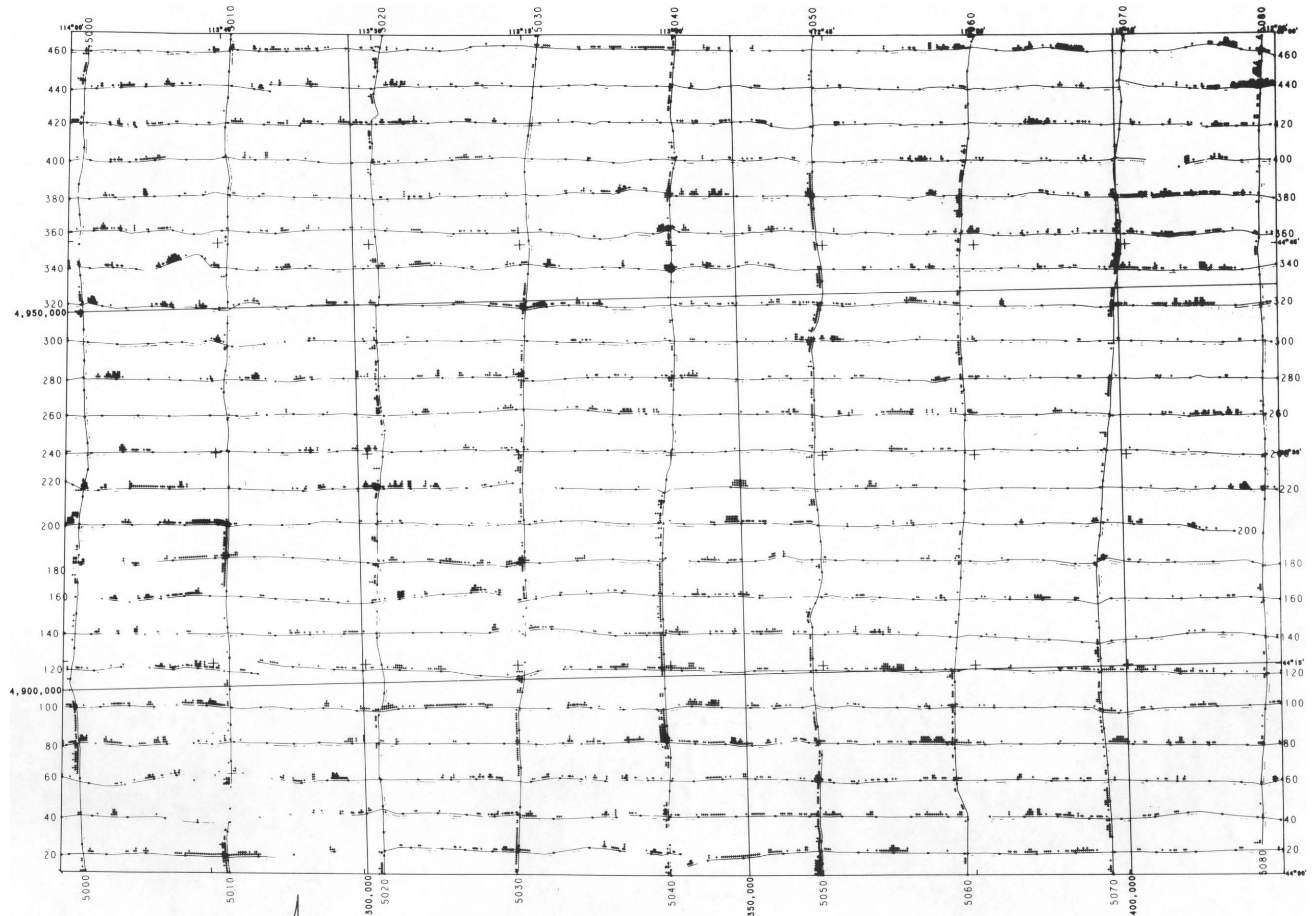
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AERO SERVICE
Houston, Texas 77001



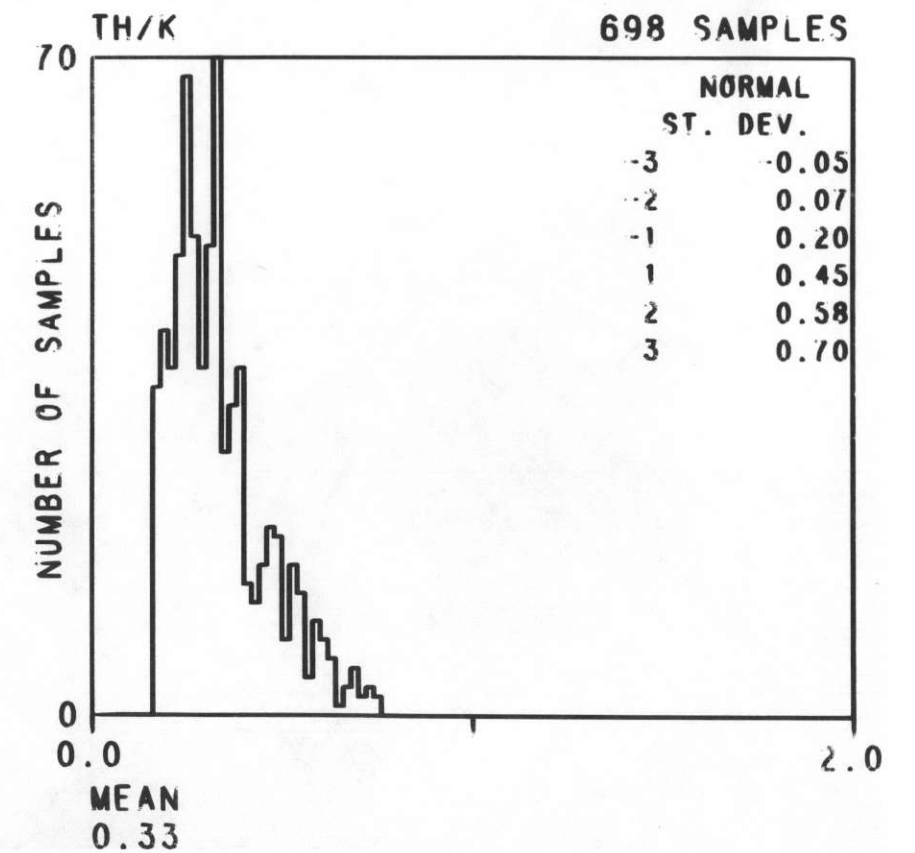
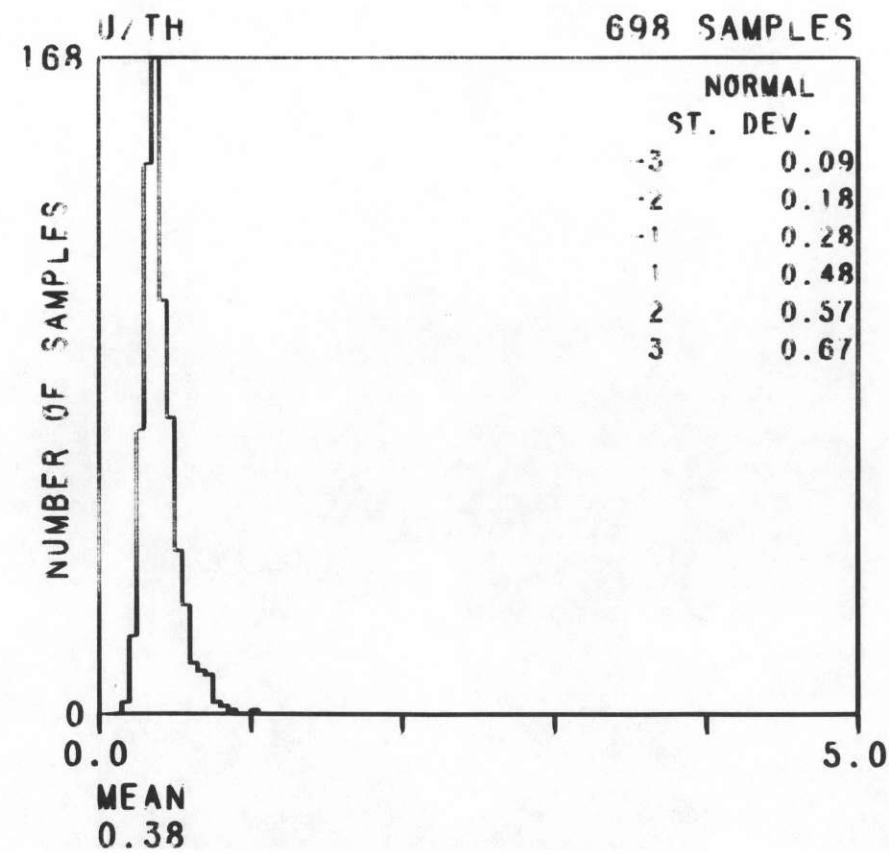
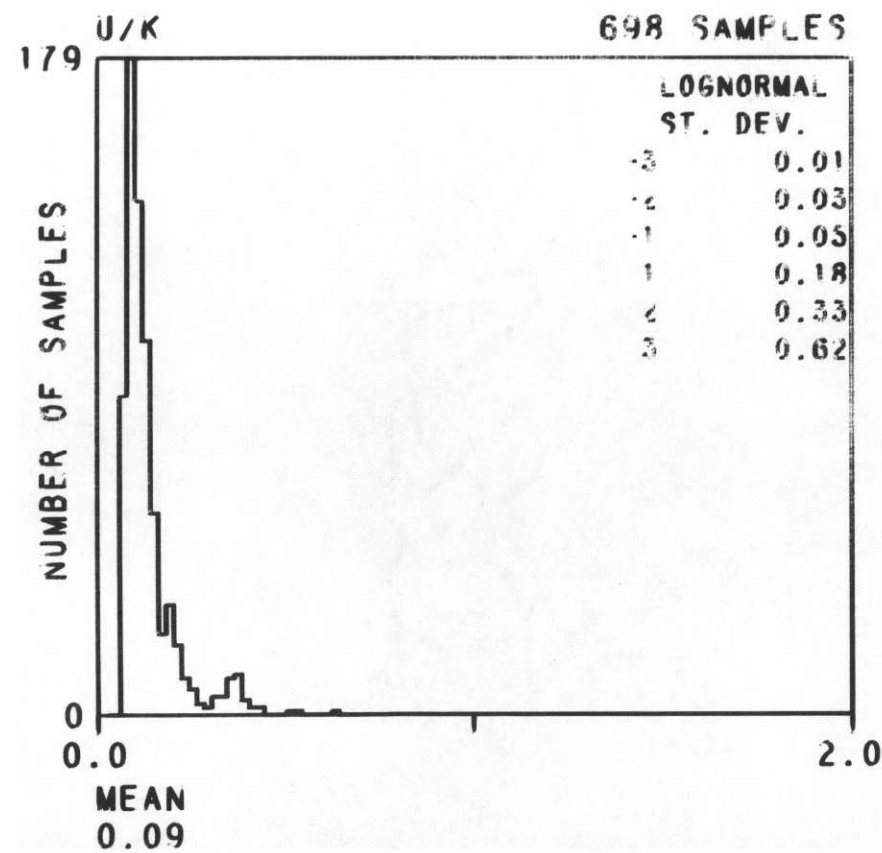
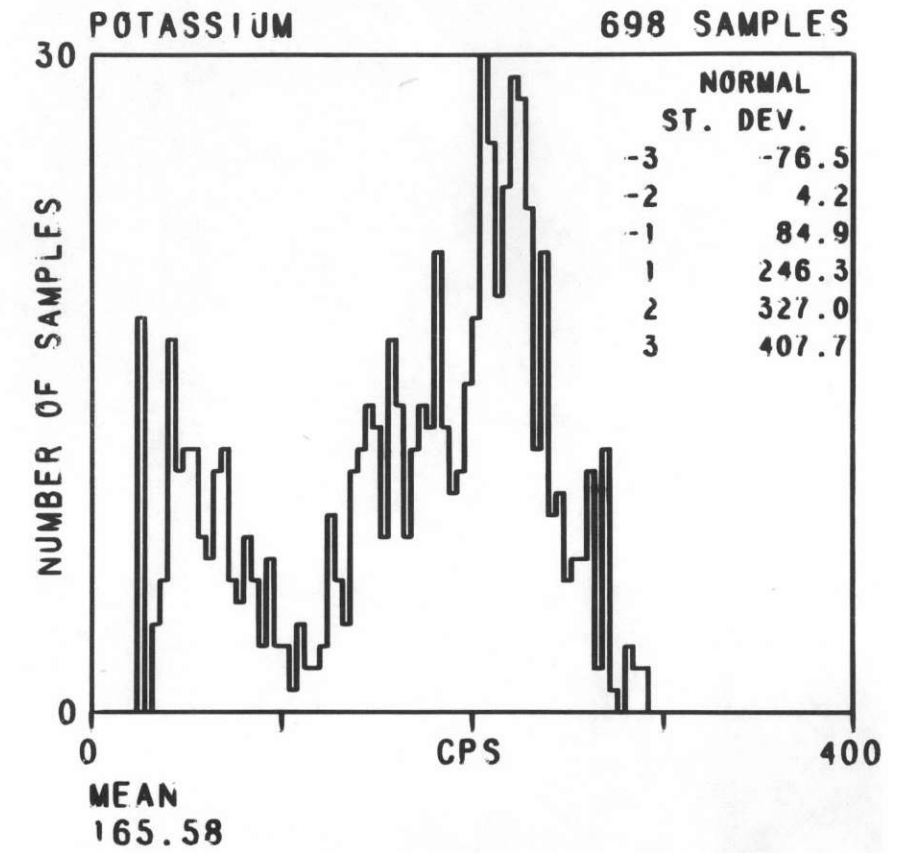
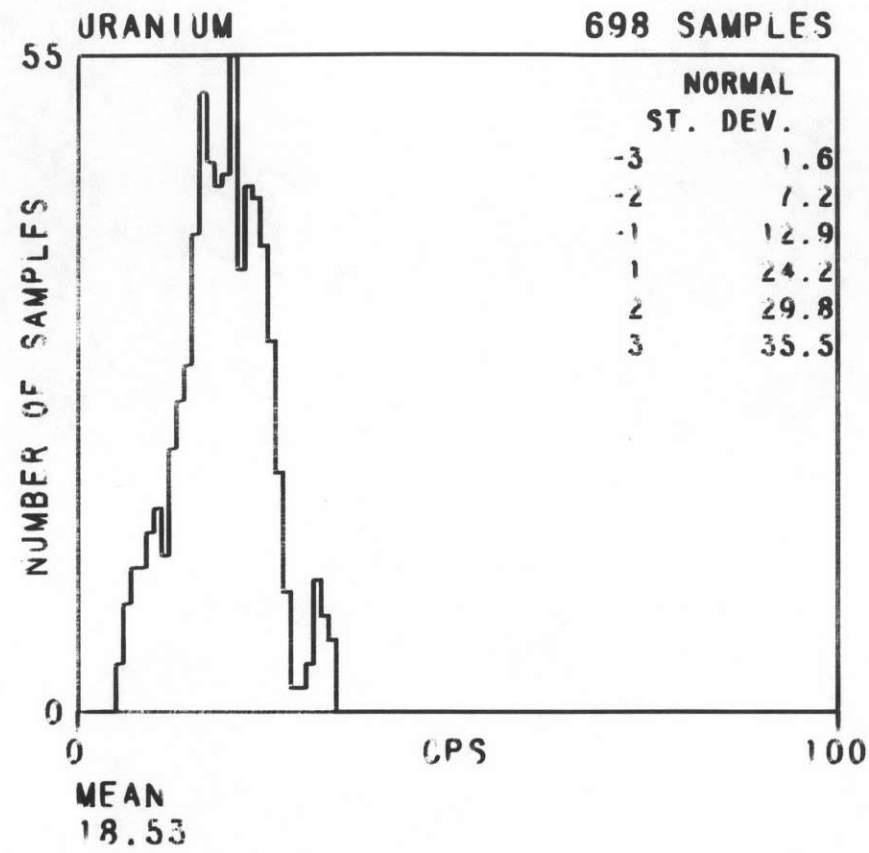
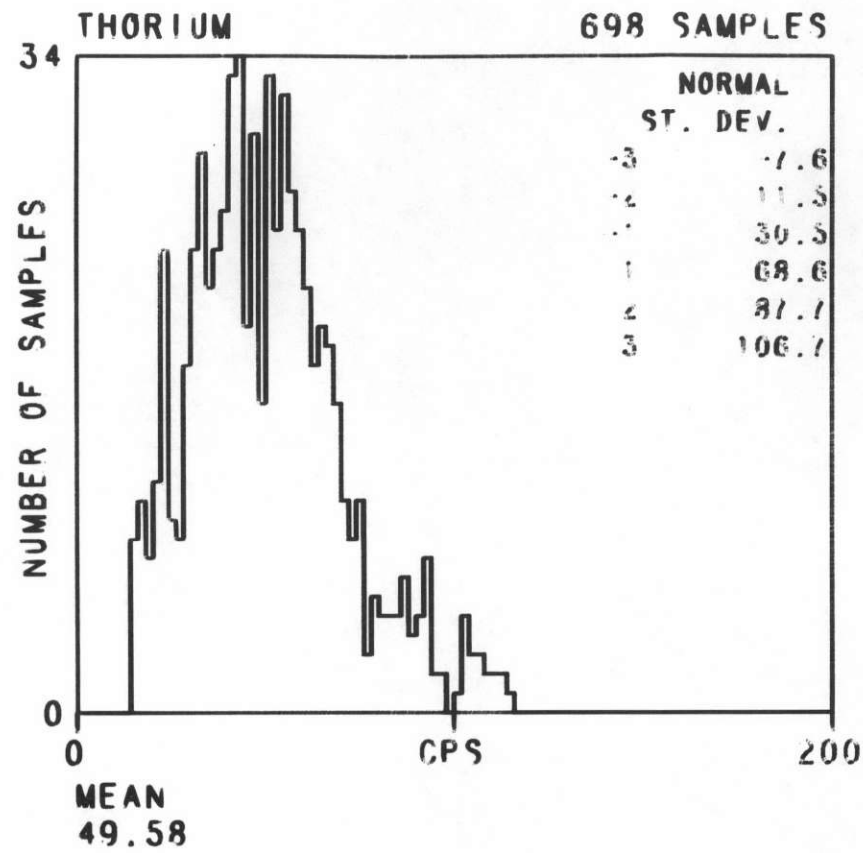
FLIGHT PATH PLOTTED DATA ADEQUATE
 FLIGHT PATH BLANK DATA INADEQUATE
 +
 +++ COUNT RATE GREATER THAN 3, 2, 1 STANDARD DEVIATIONS ABOVE MEAN
 --- COUNT RATE LOWER THAN 3, 2, 1 STANDARD DEVIATIONS BELOW MEAN
 - - -
 NEITHER + NOR COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 FLOWN AND COMPILED 1979

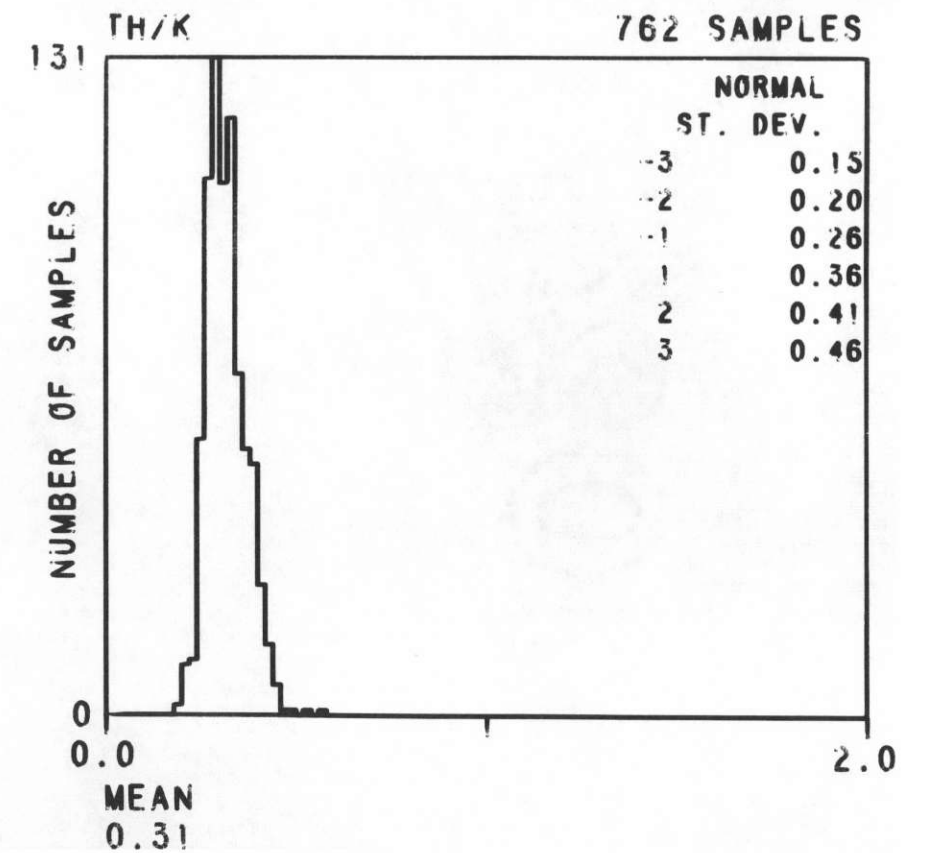
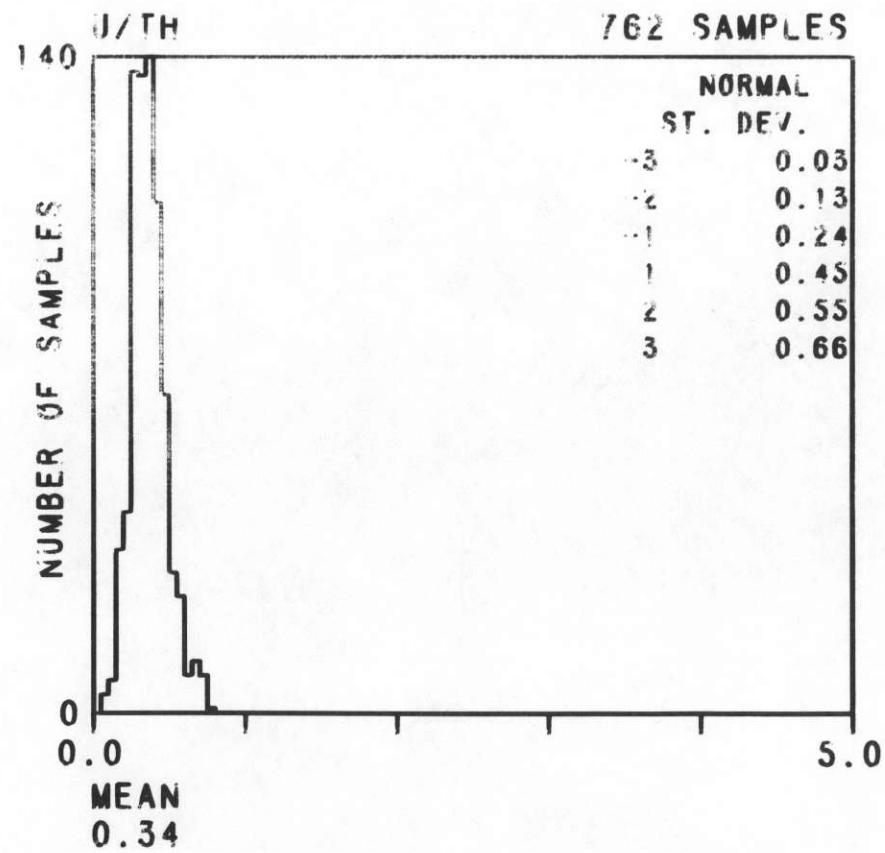
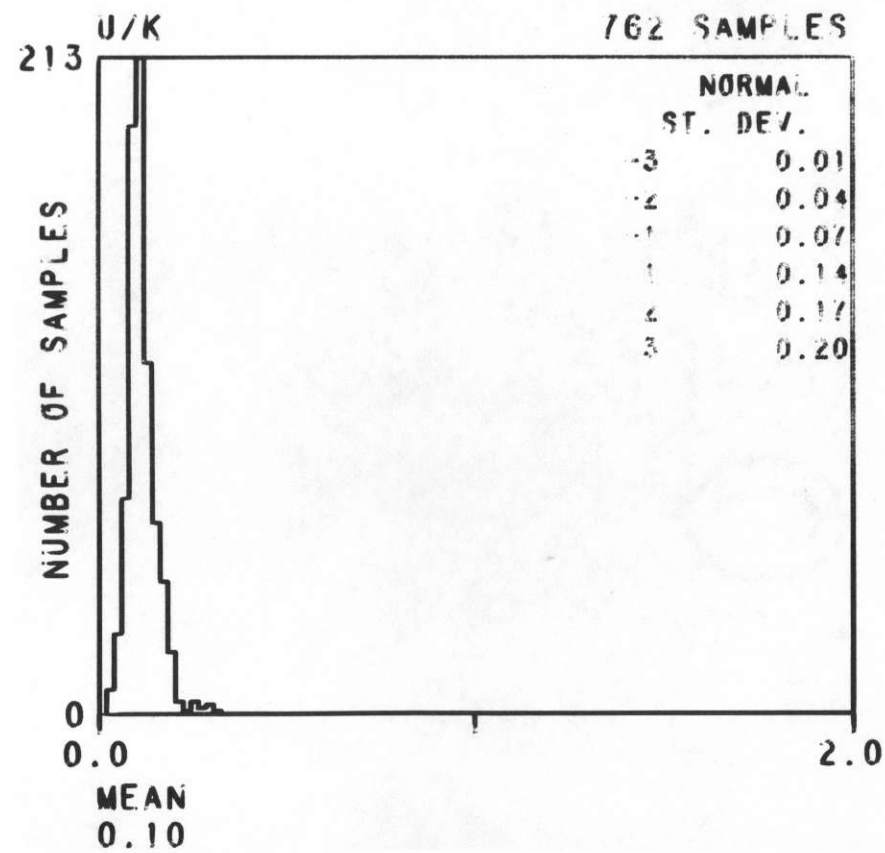
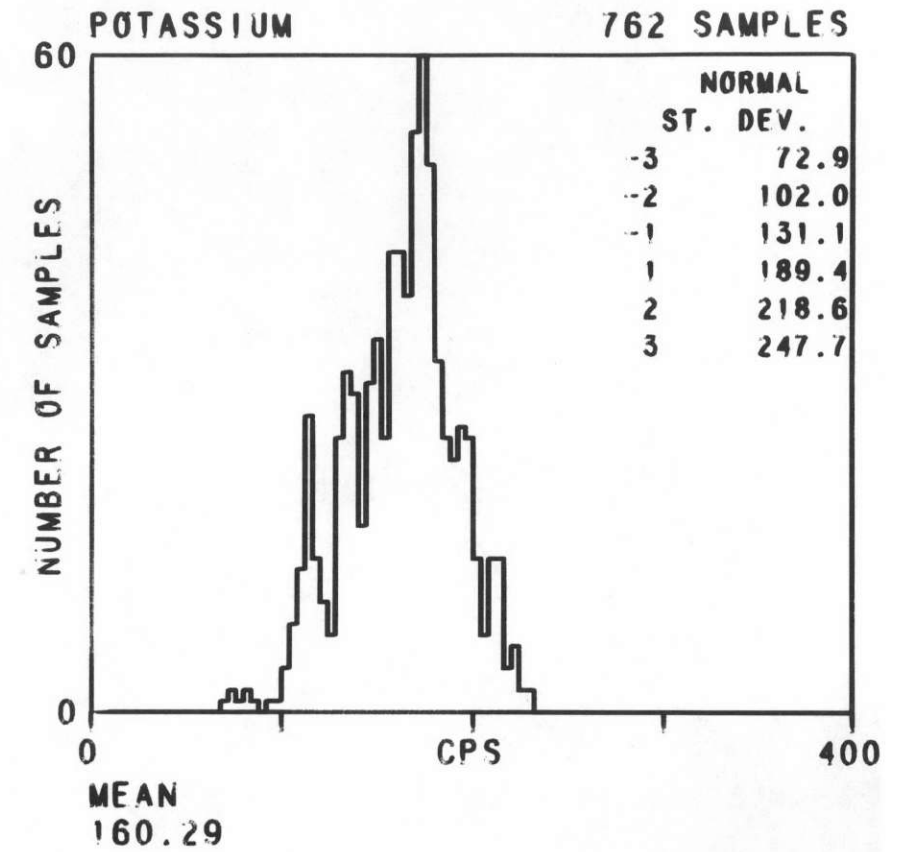
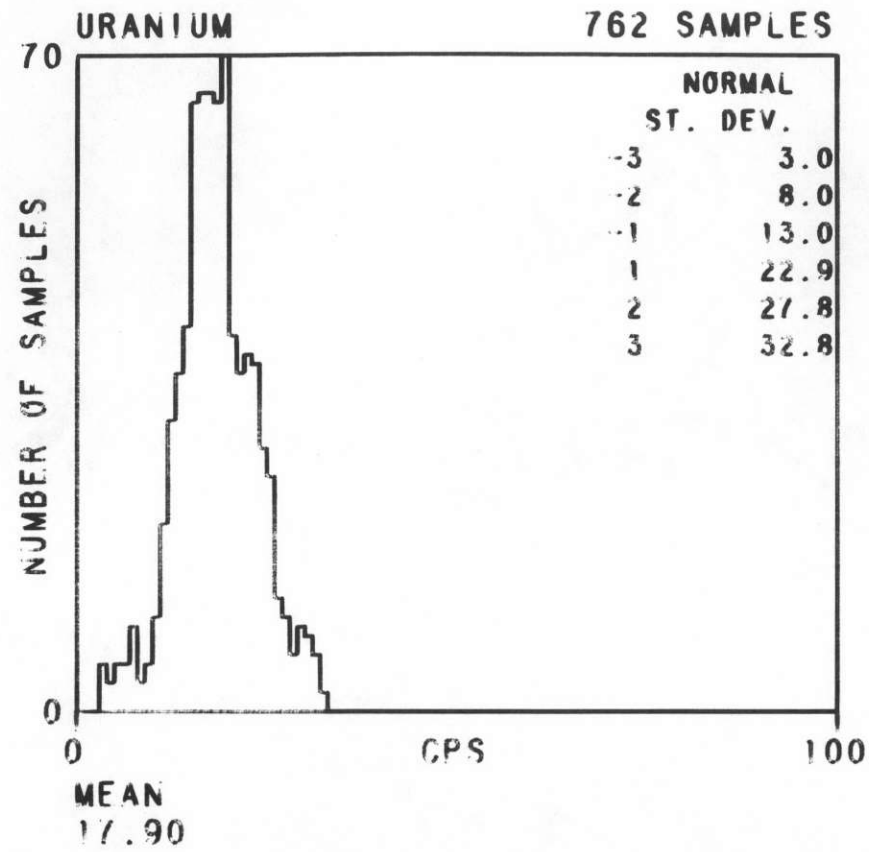
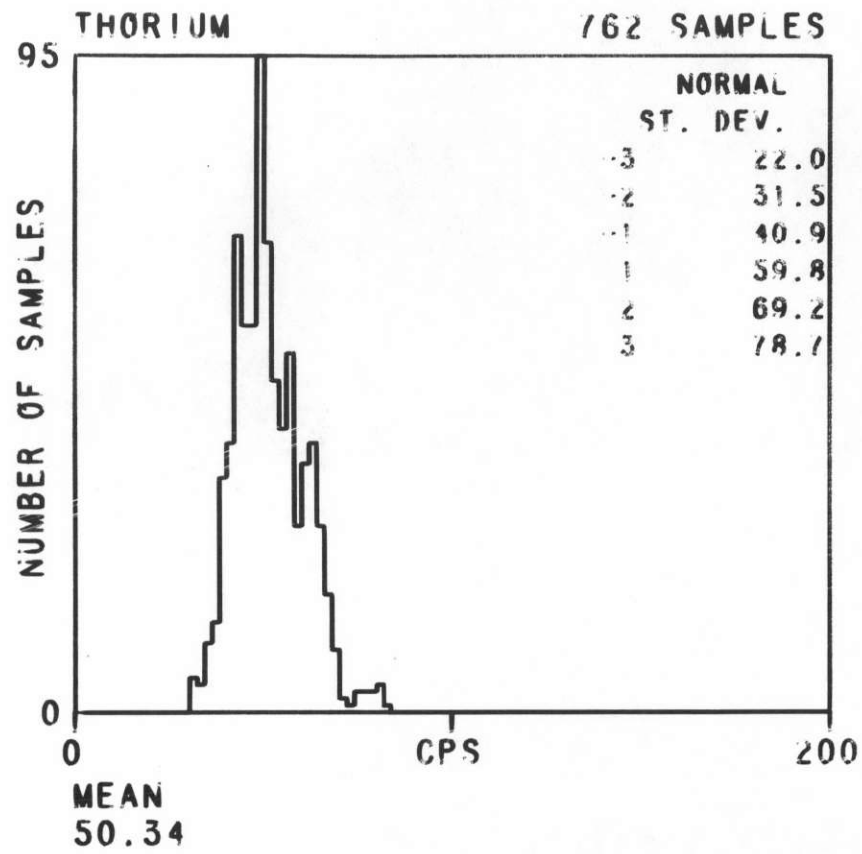
URANIUM/THORIUM ANOMALY MAP
 DU BOIS
 NL-12-10
 DYE/NIEBF



FLIGHT PATH PLOTTED DATA ADEQUATE
 FLIGHT PATH BLANK DATA INADEQUATE
 ++ COUNT RATE GREATER THAN 3, 2, 1 STANDARD DEVIATIONS ABOVE MEAN
 -- COUNT RATE LOWER THAN 3, 2, 1 STANDARD DEVIATIONS BELOW MEAN
 - - - - - COUNT RATE WITHIN ONE STANDARD DEVIATION OF MEAN
 NEITHER + NOR - FLOWN AND COMPILED 1979

URANIUM/POTASSIUM ANOMALY MAP
 DU BOIS
 NL-12-10
 DCF/NLBF

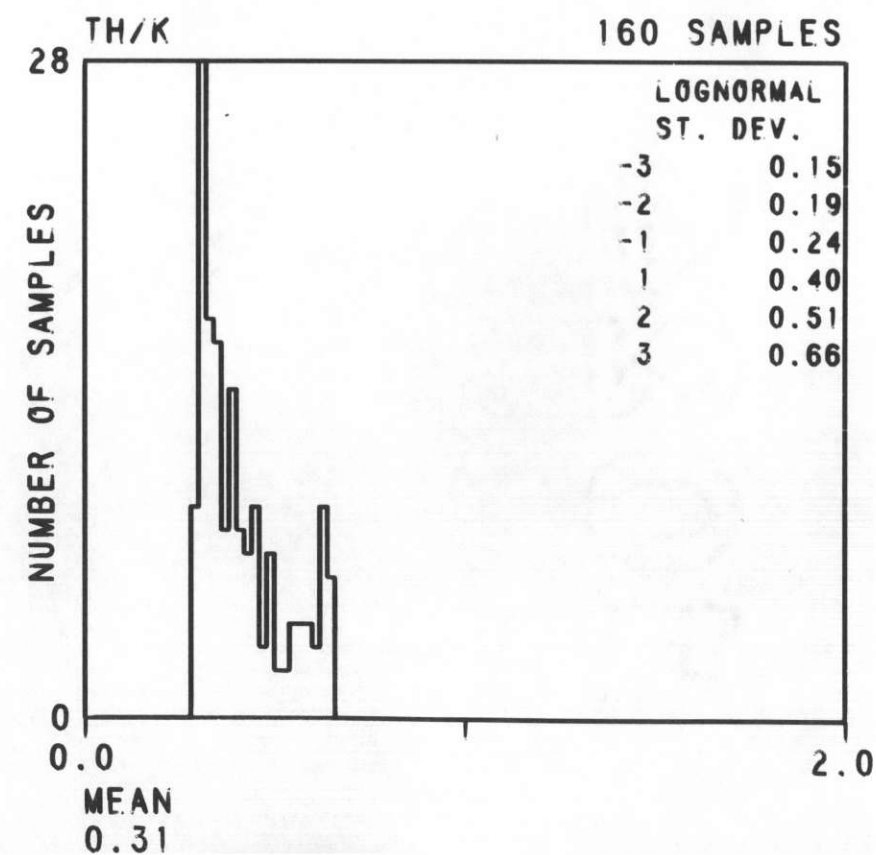
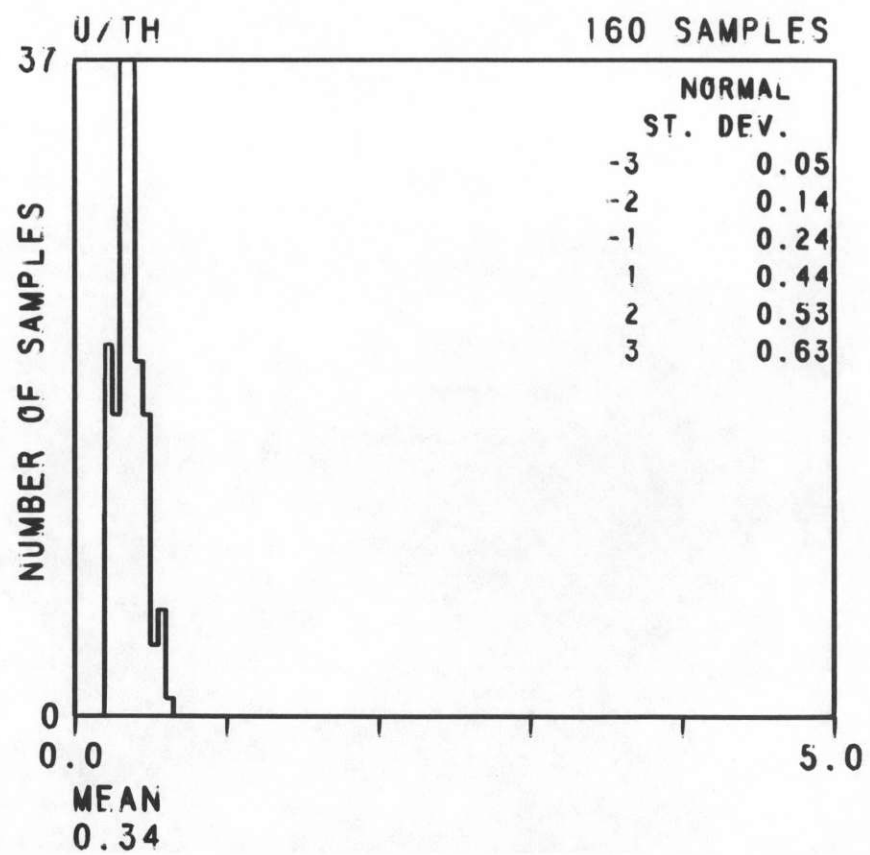
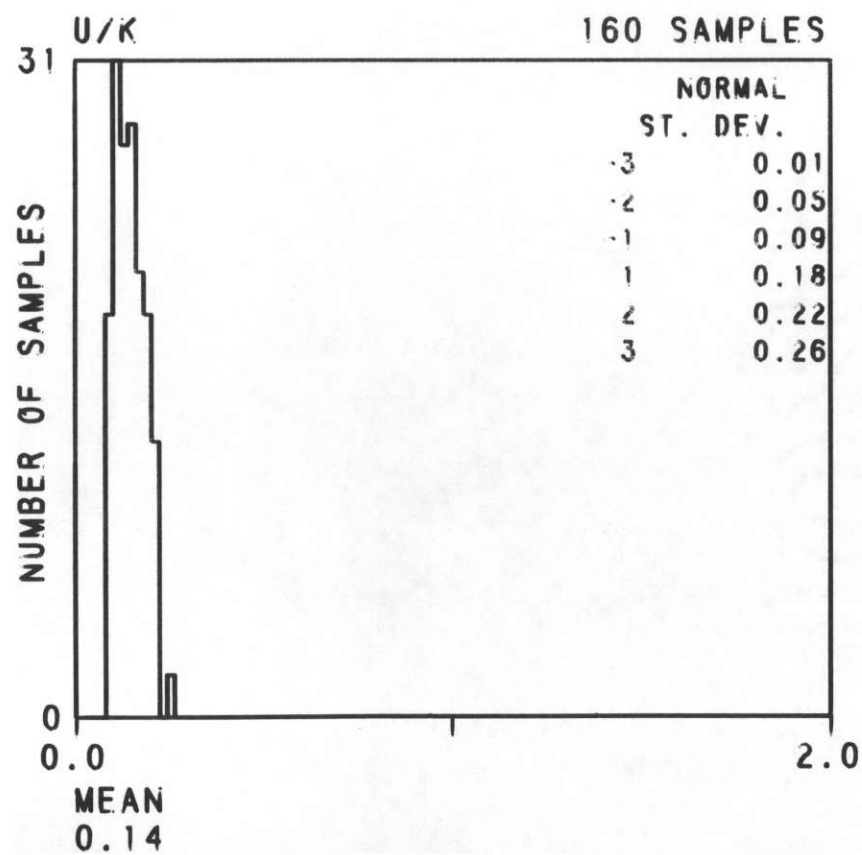
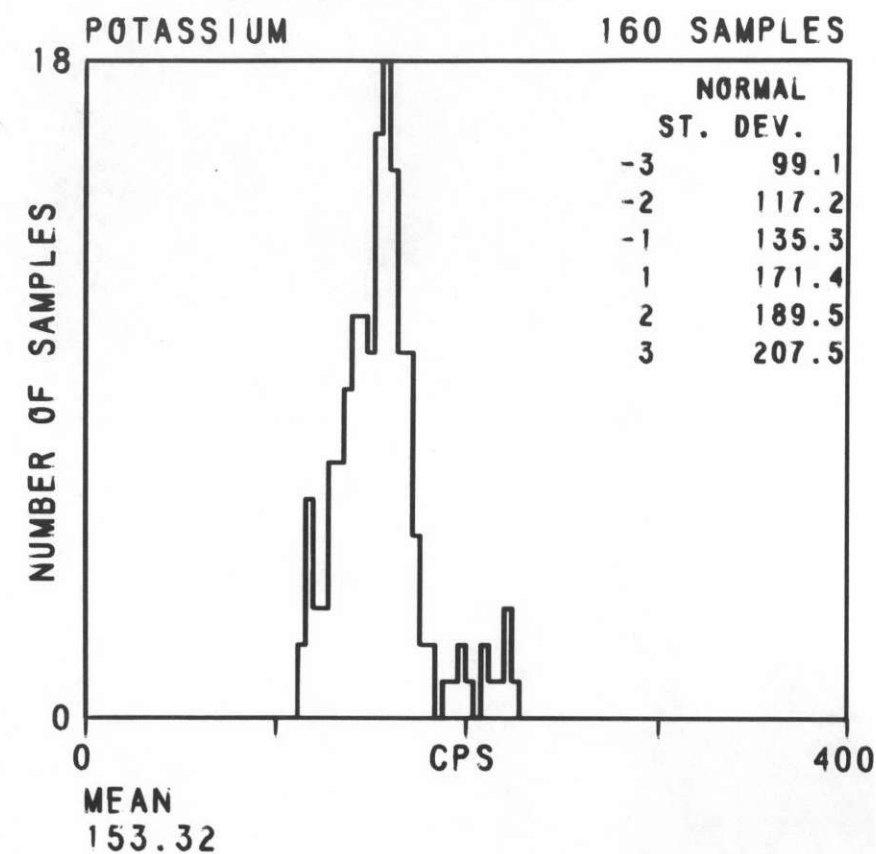
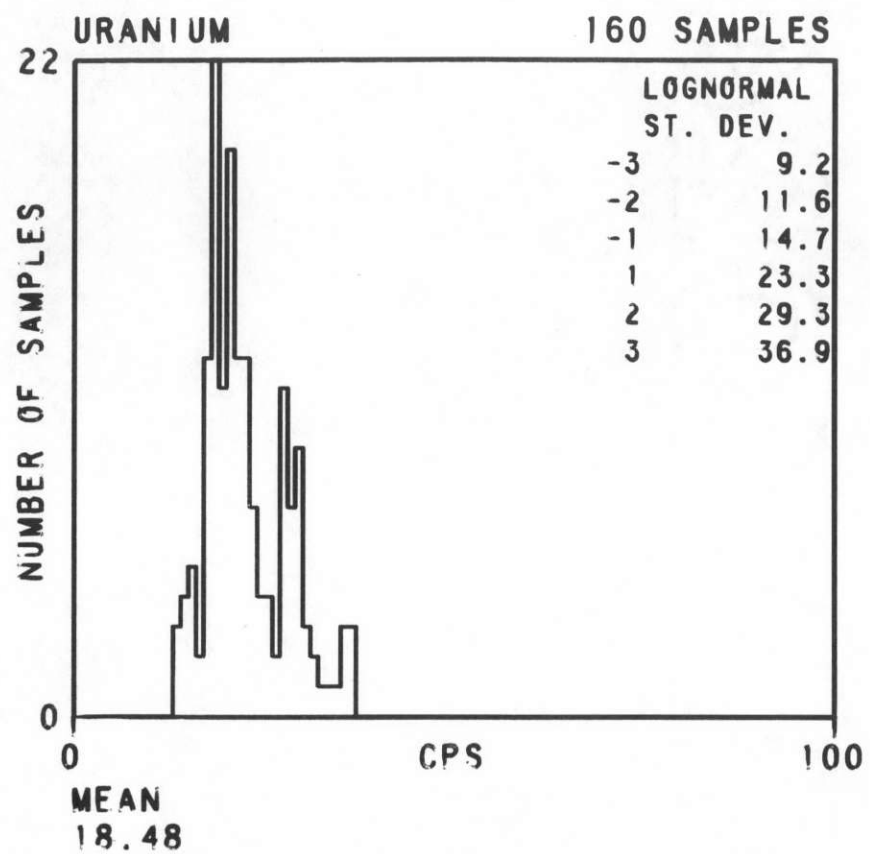
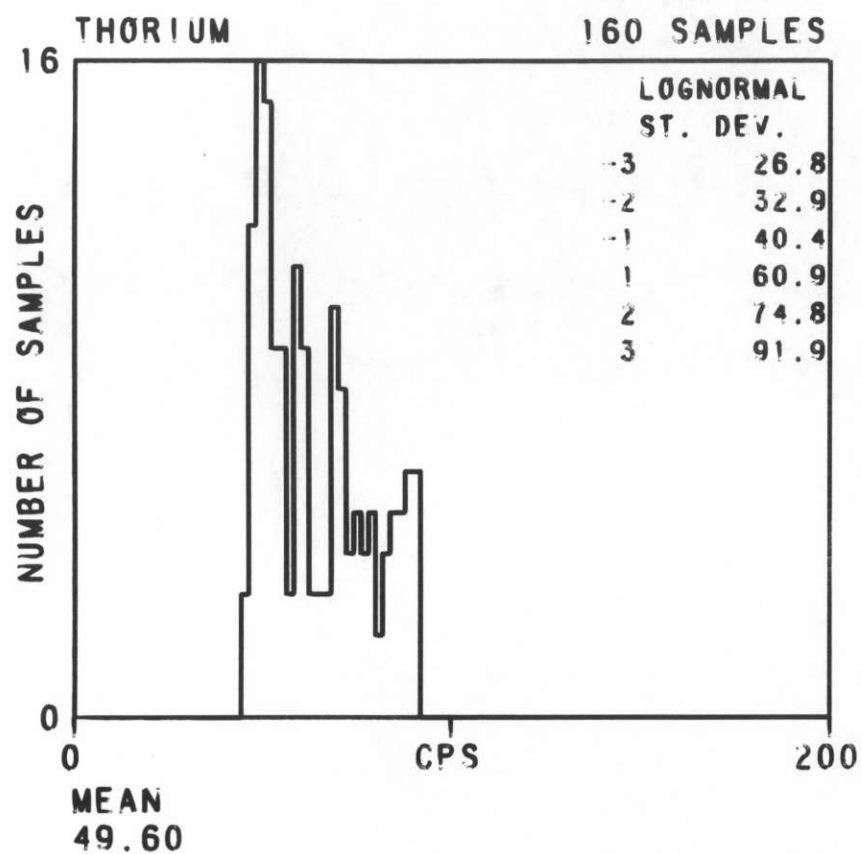


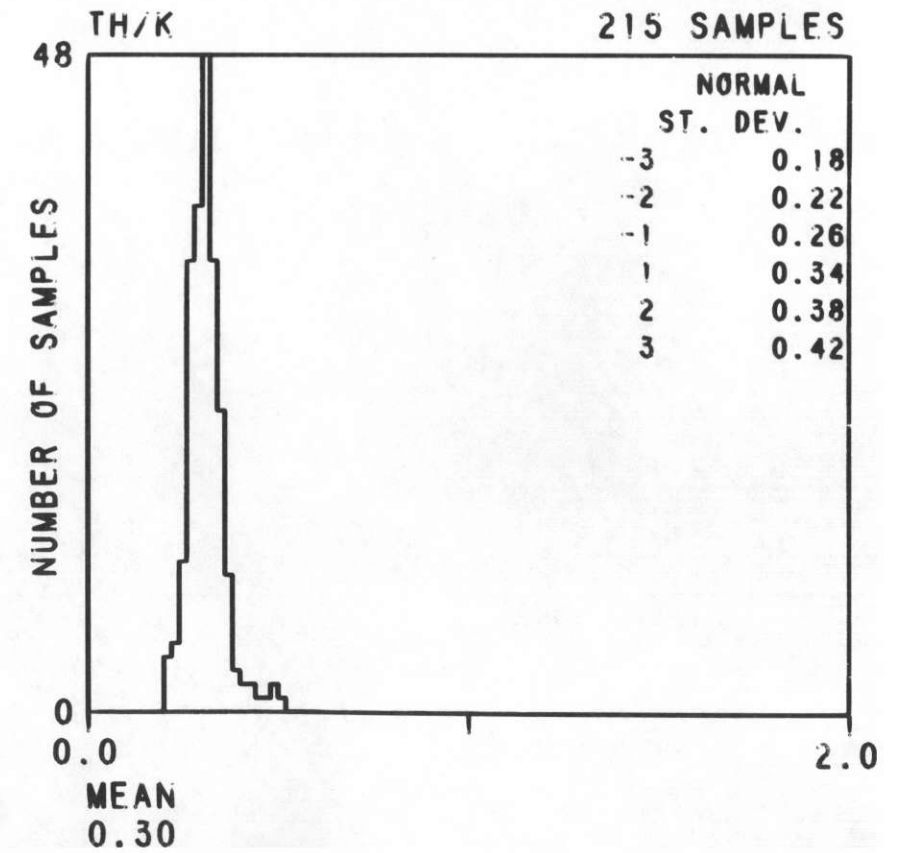
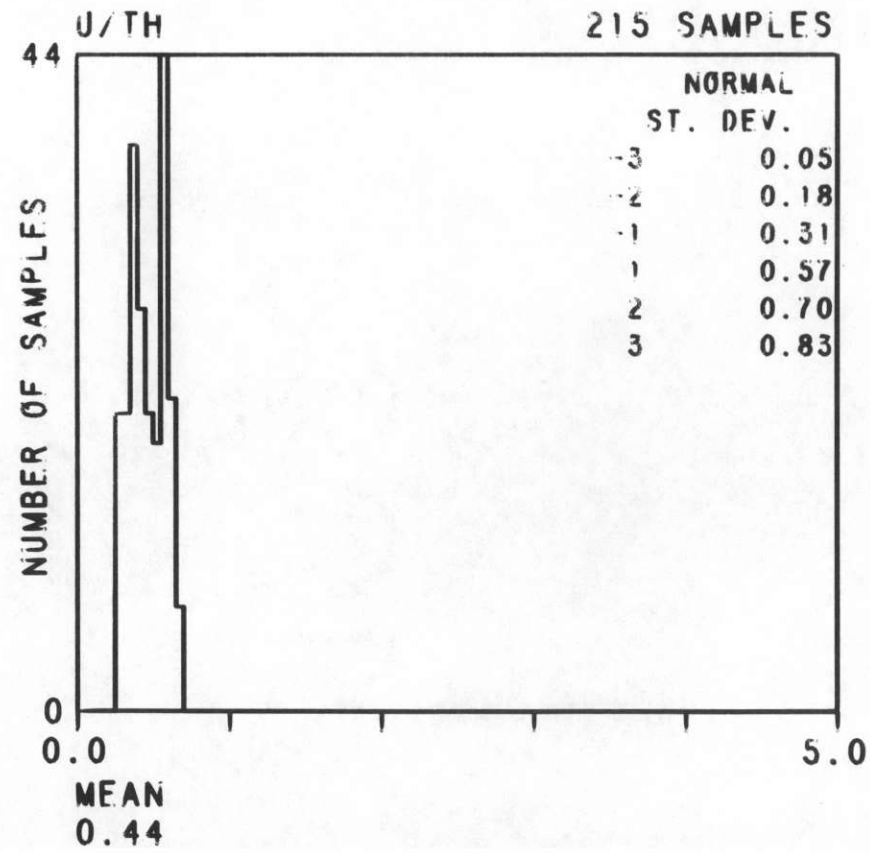
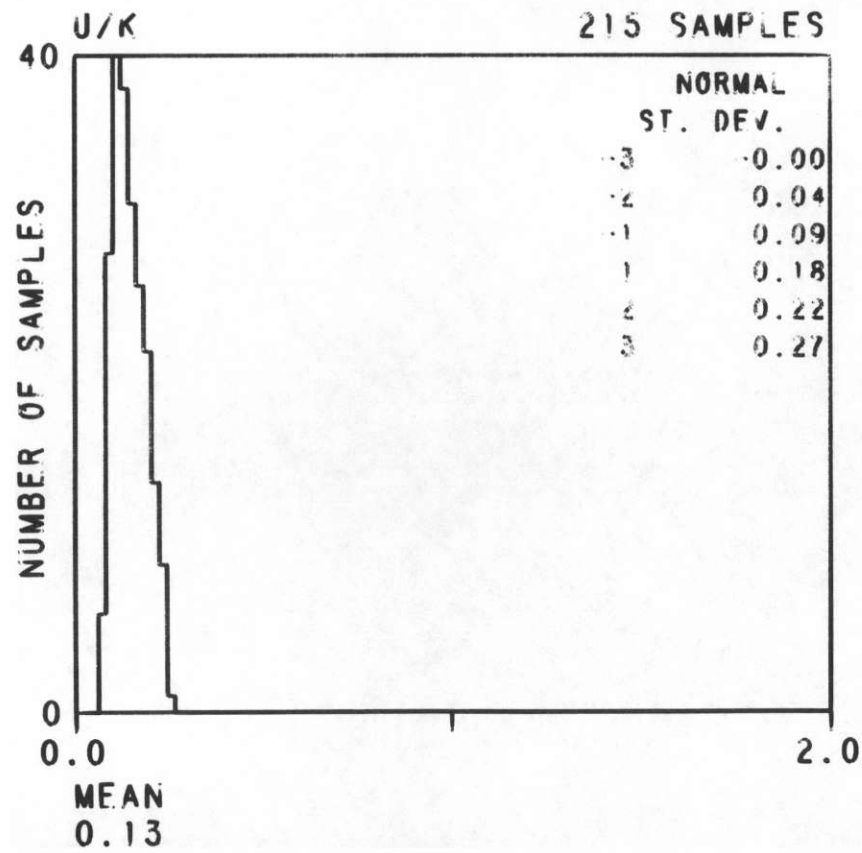
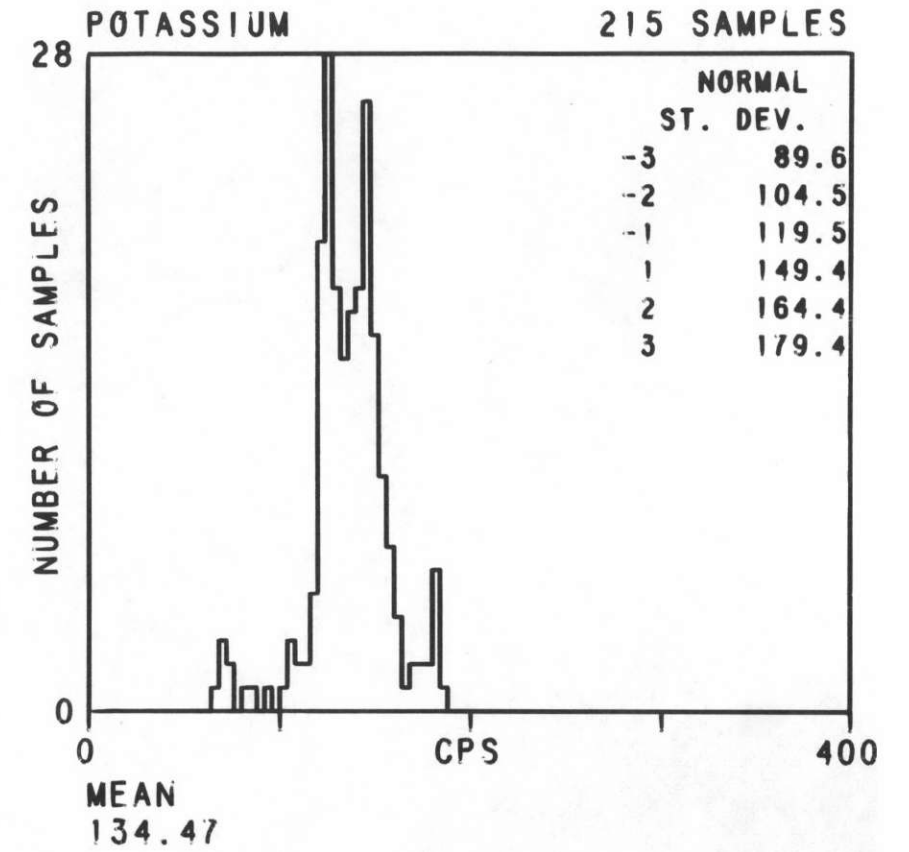
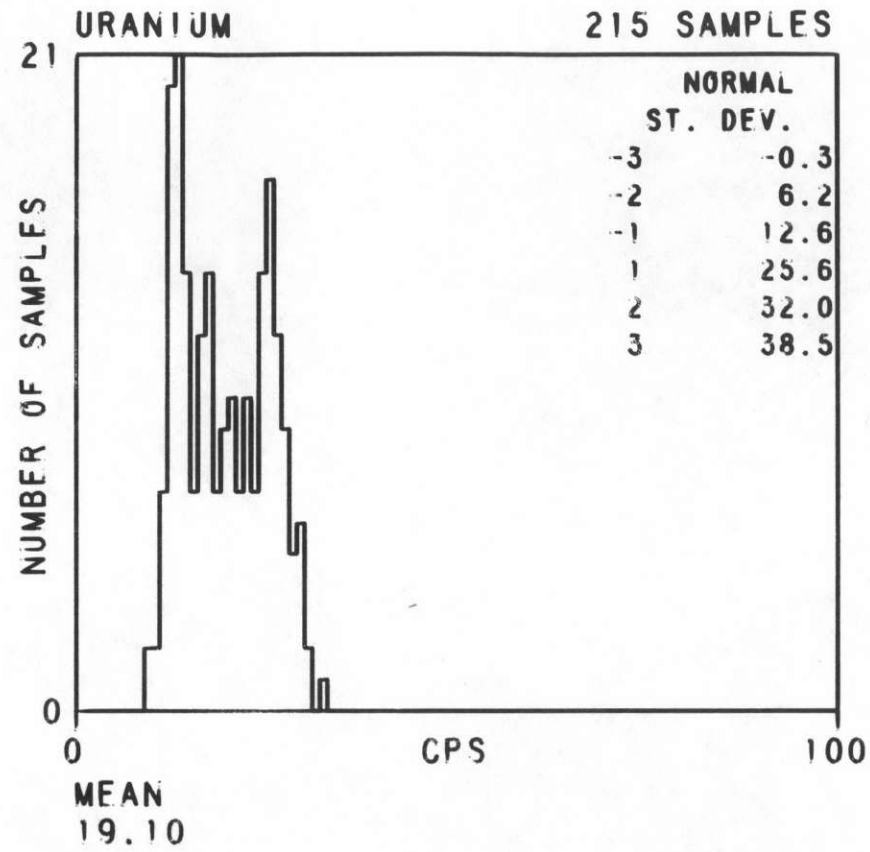
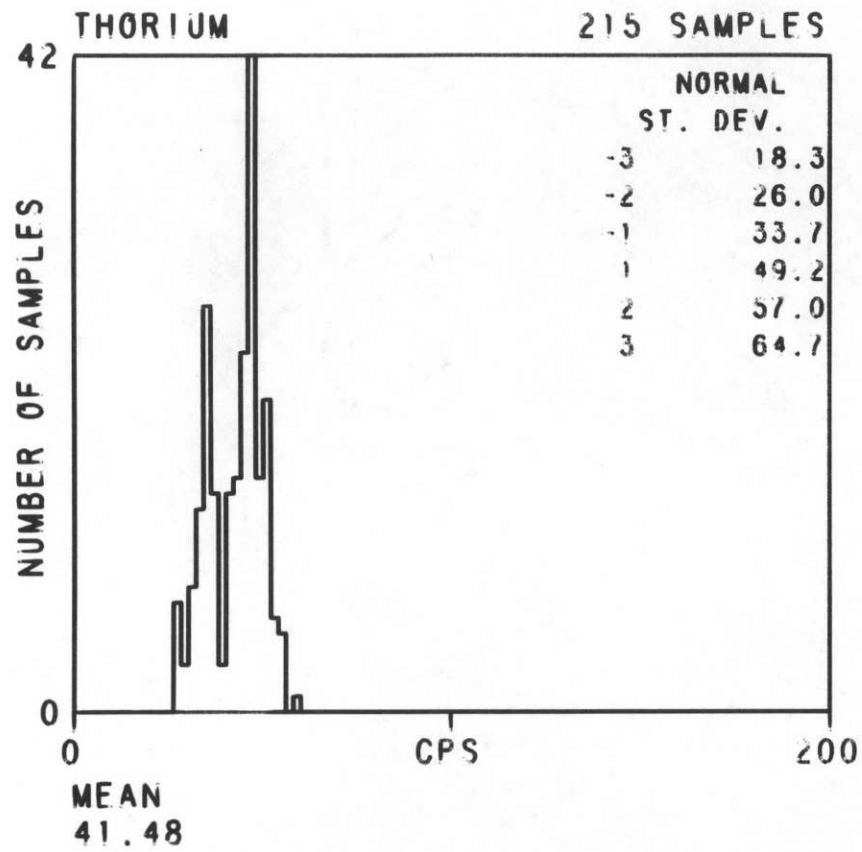


DUBOIS
NL 12-10

FORMATION TCH
TOTAL SAMPLES 160

AERO SERVICE
1978

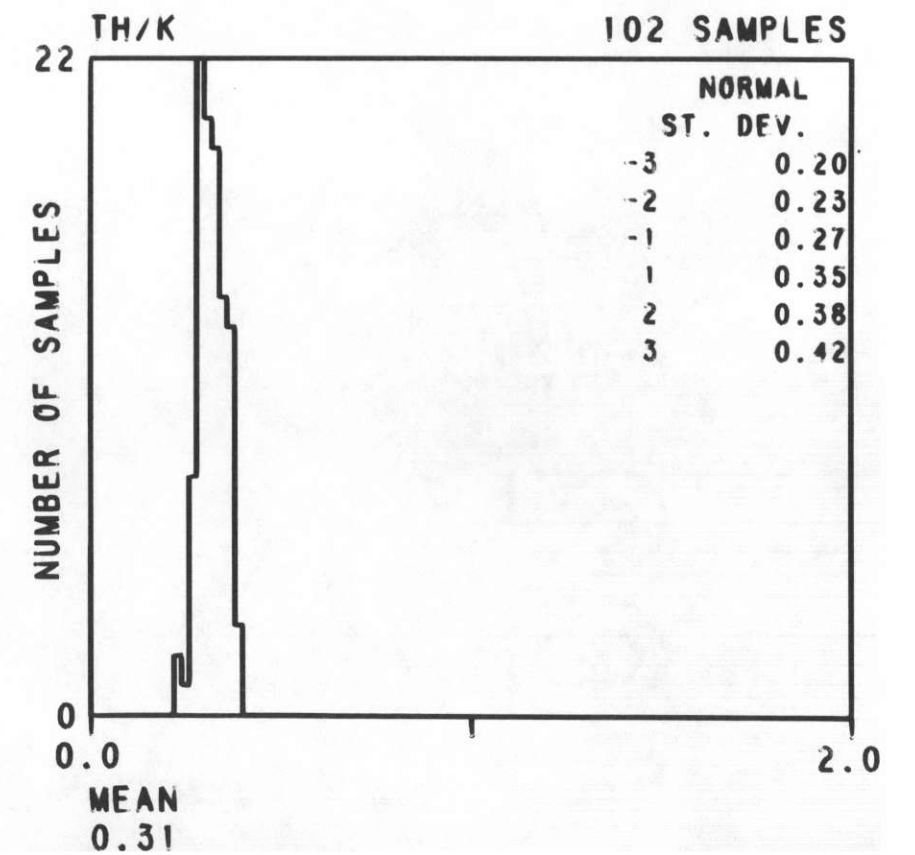
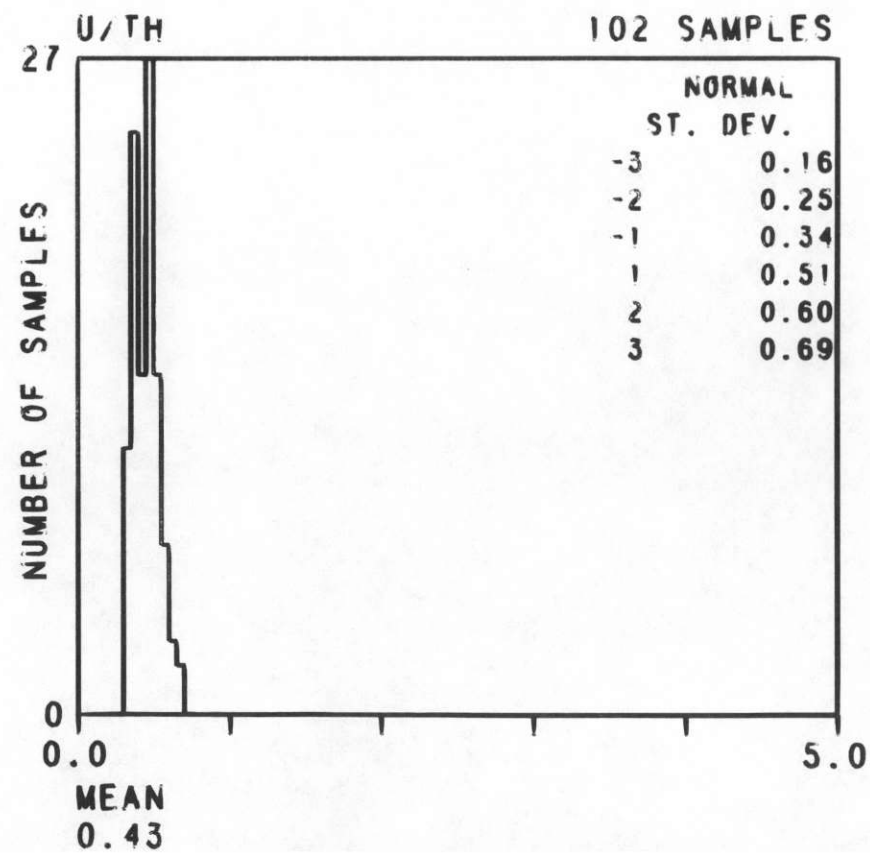
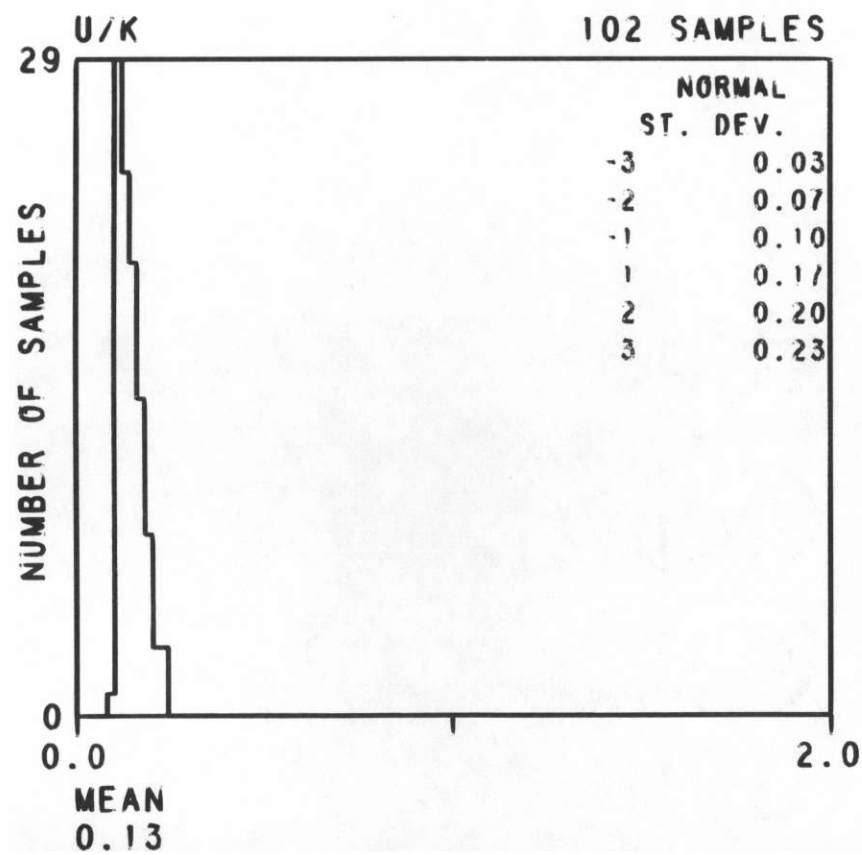
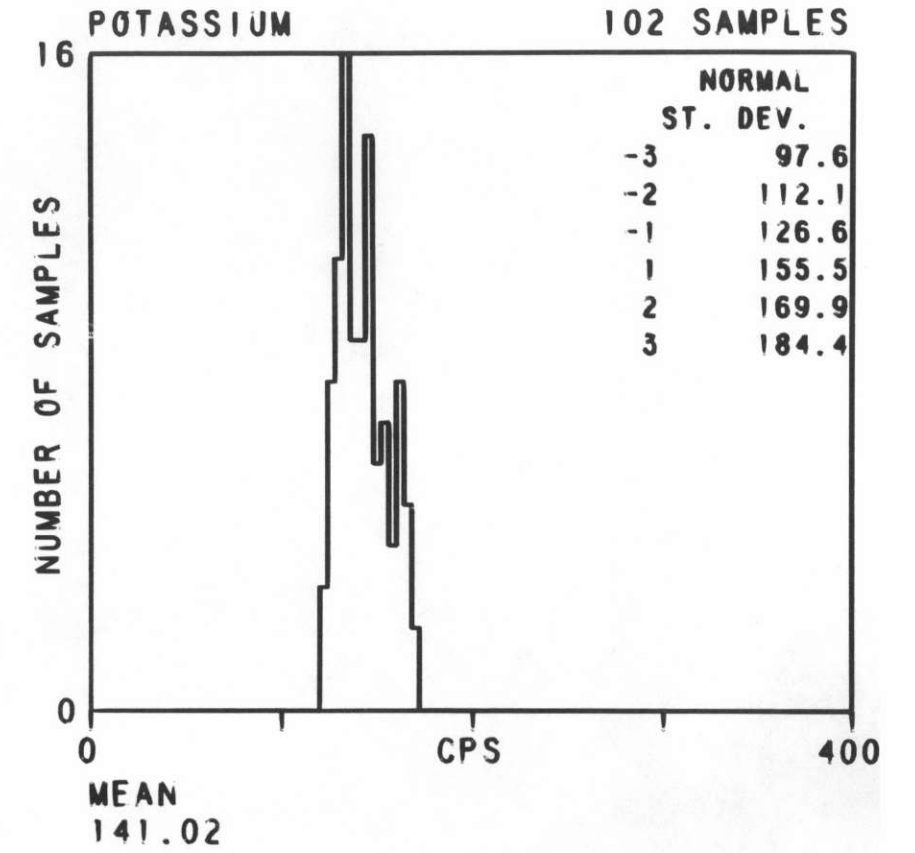
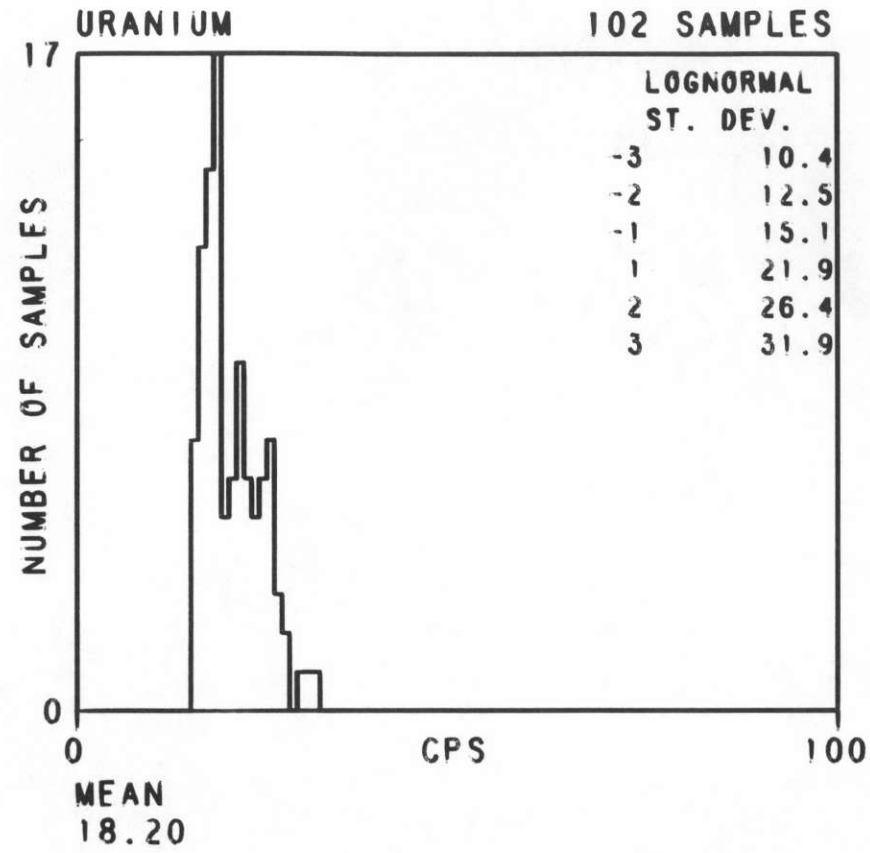
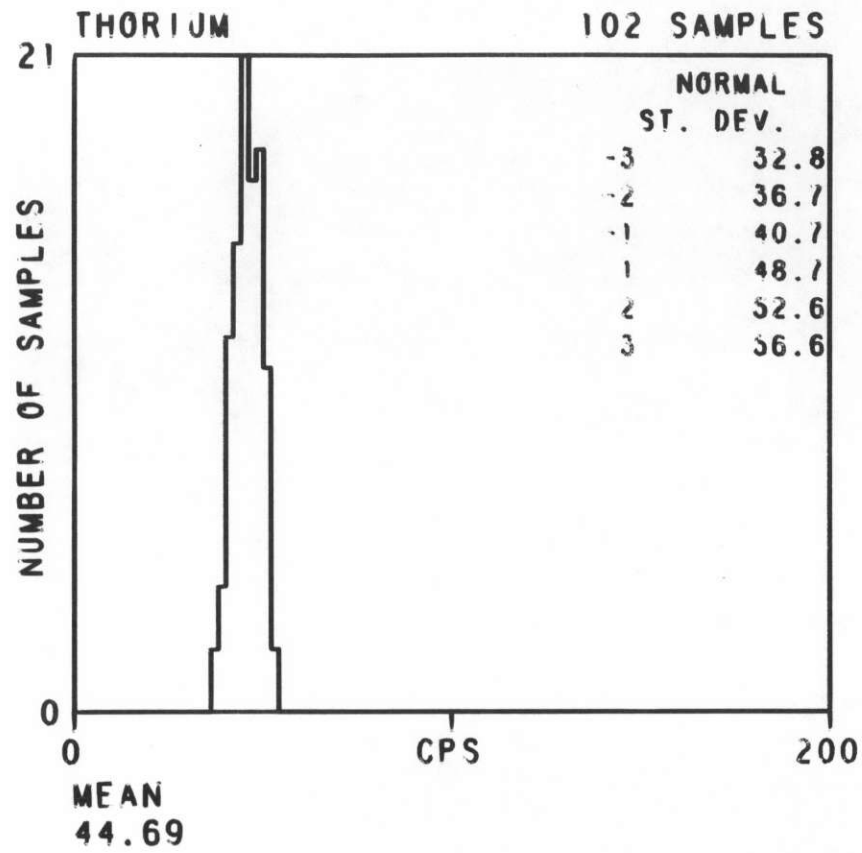


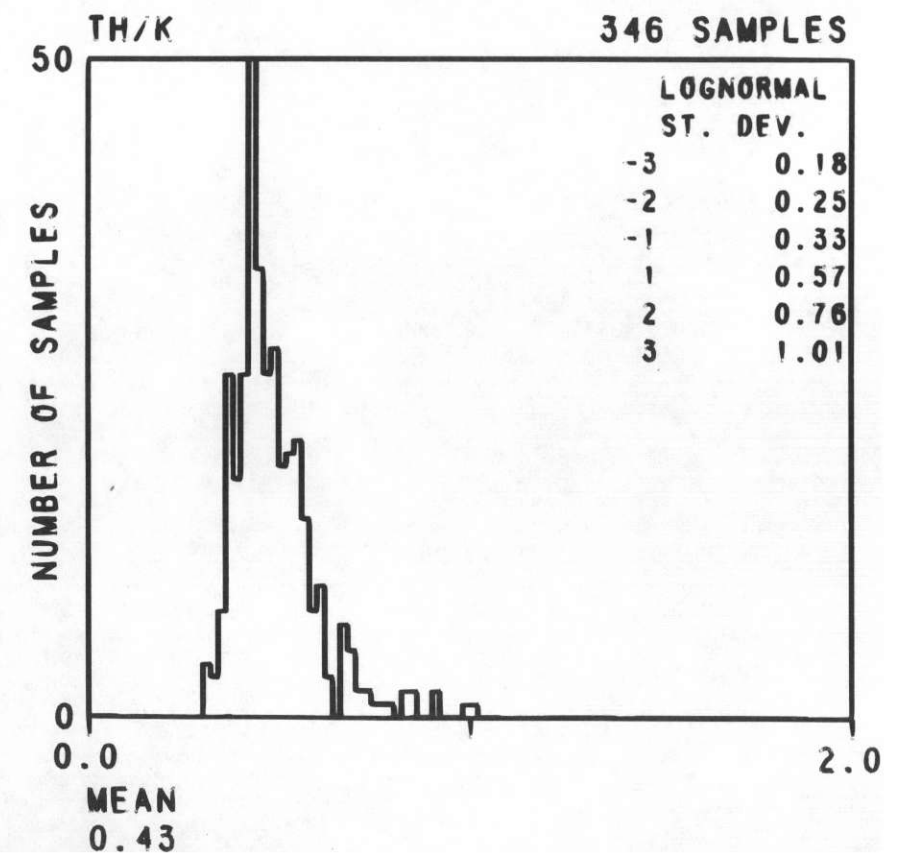
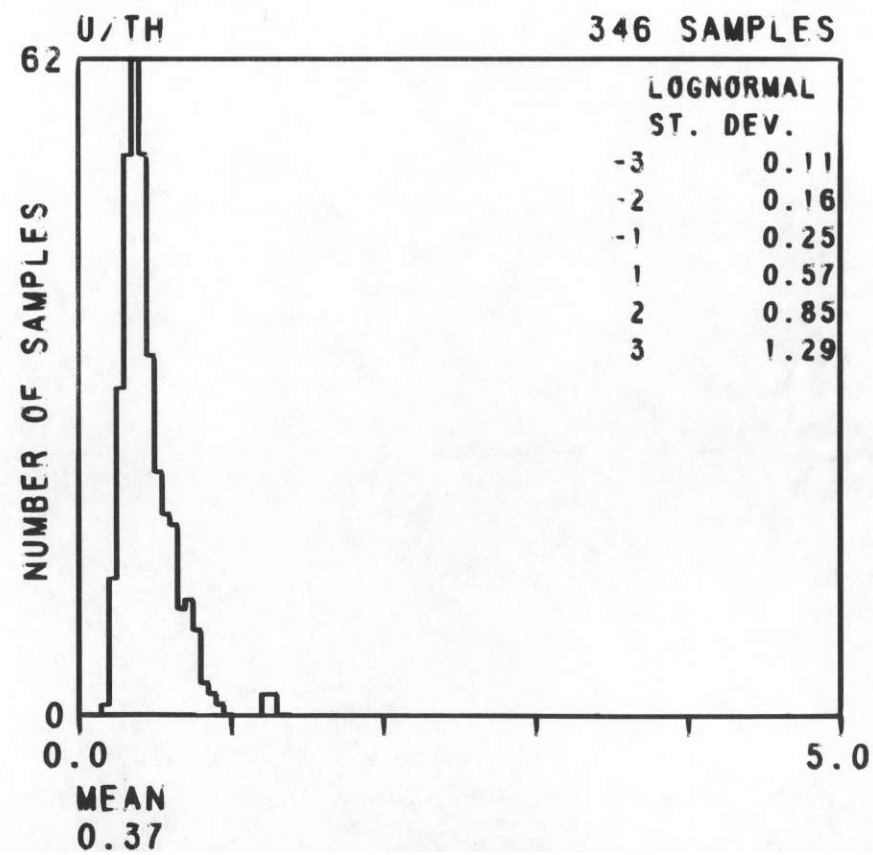
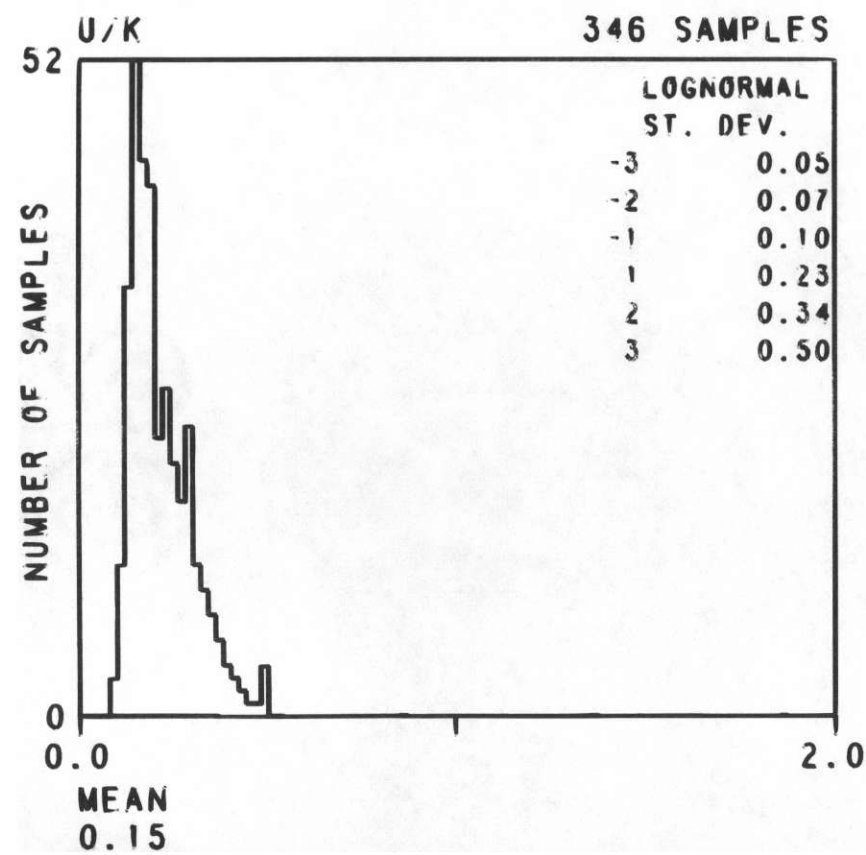
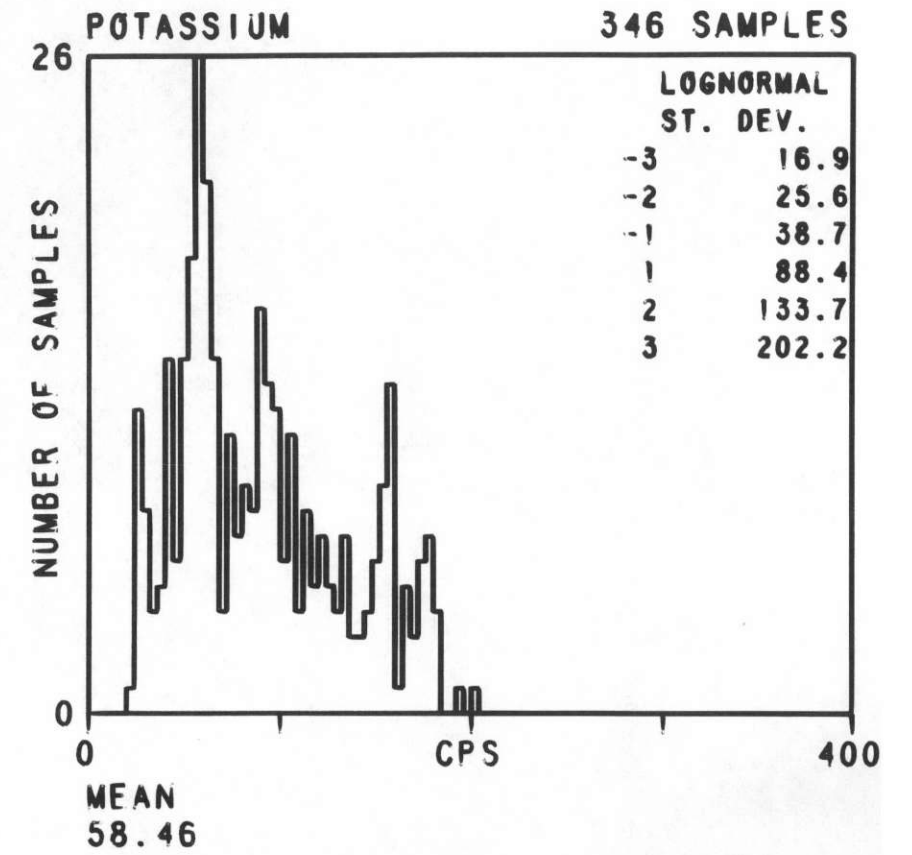
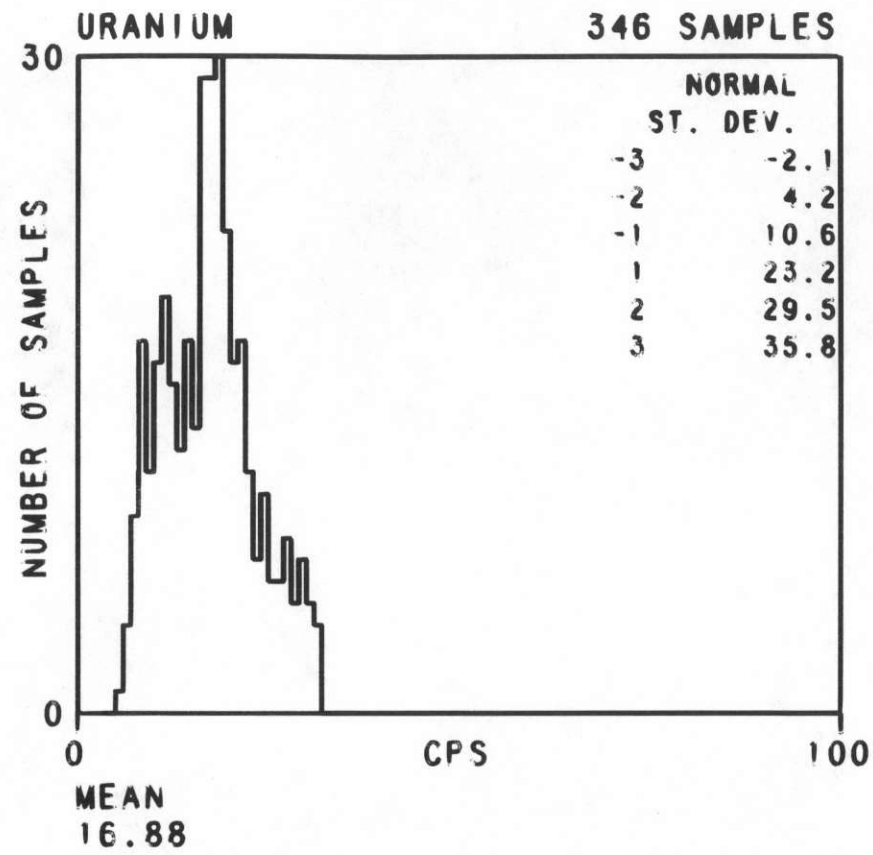
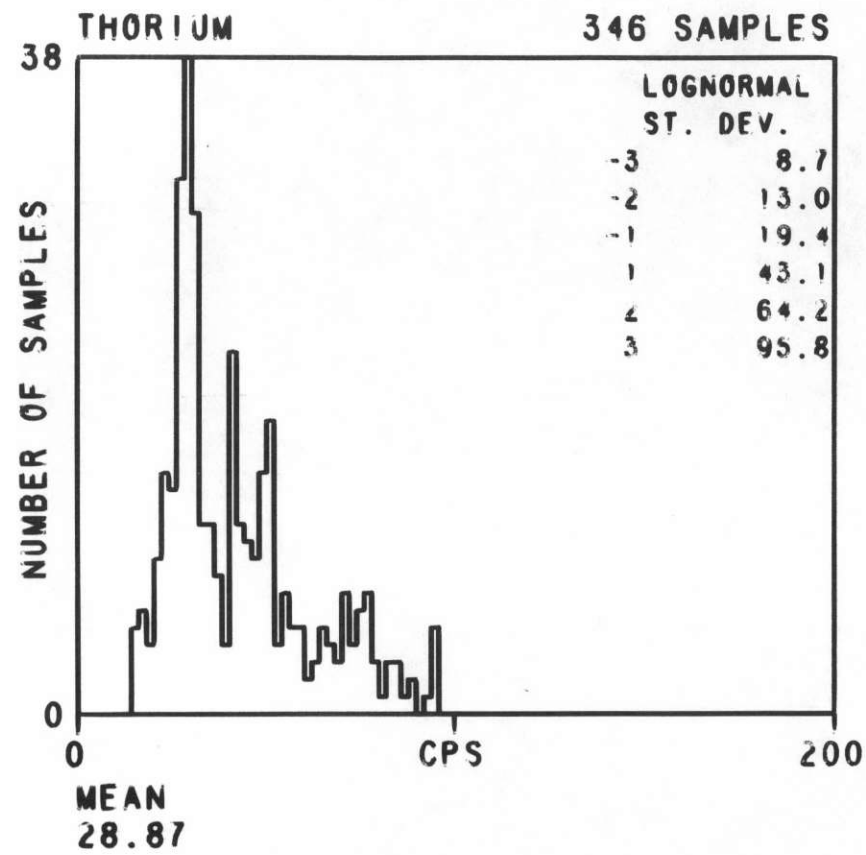


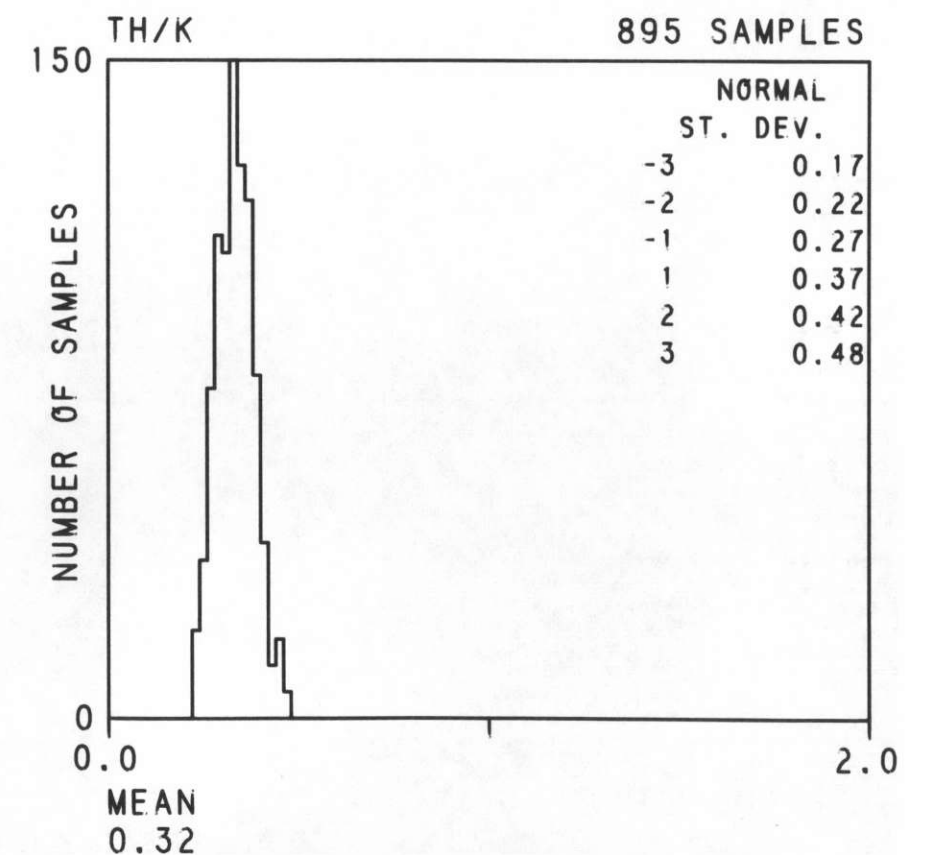
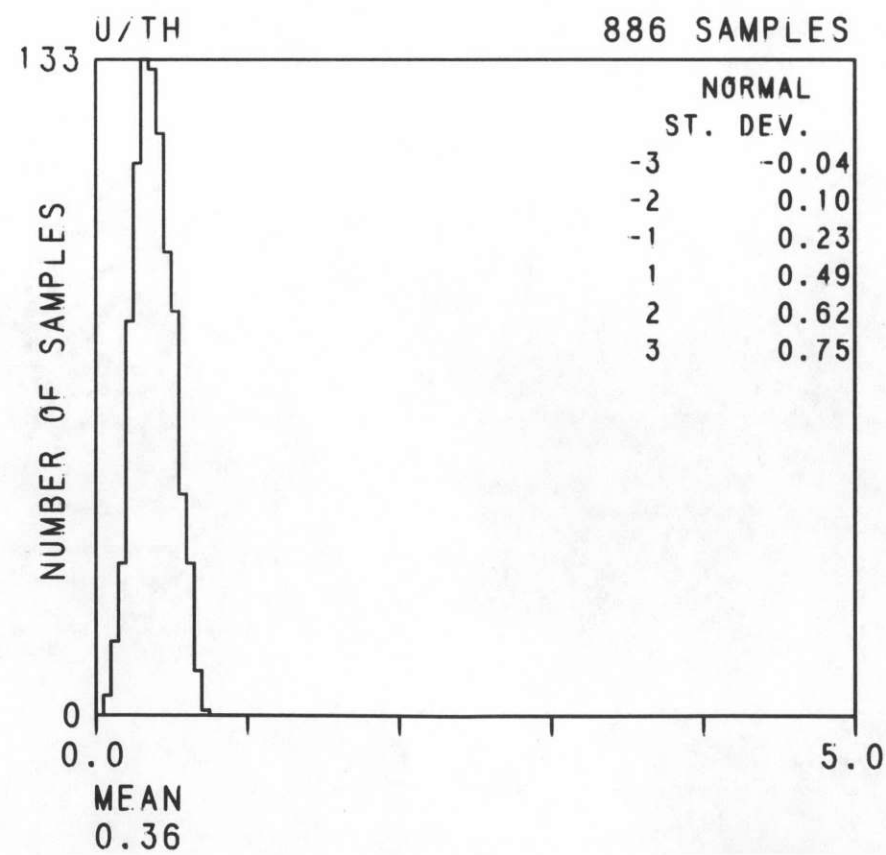
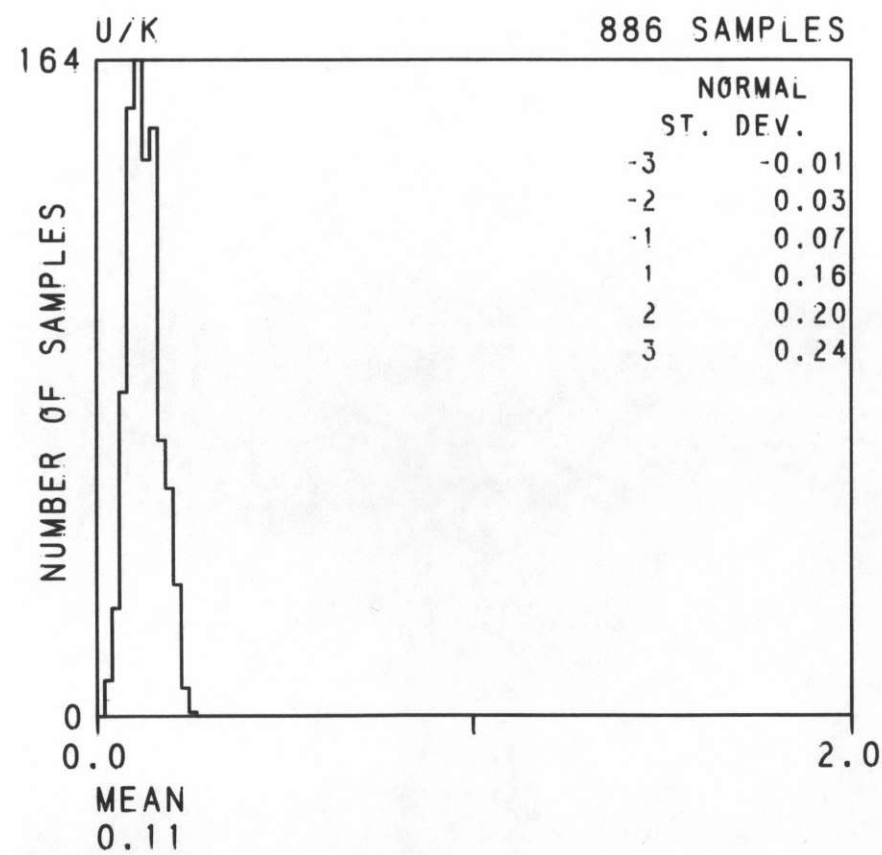
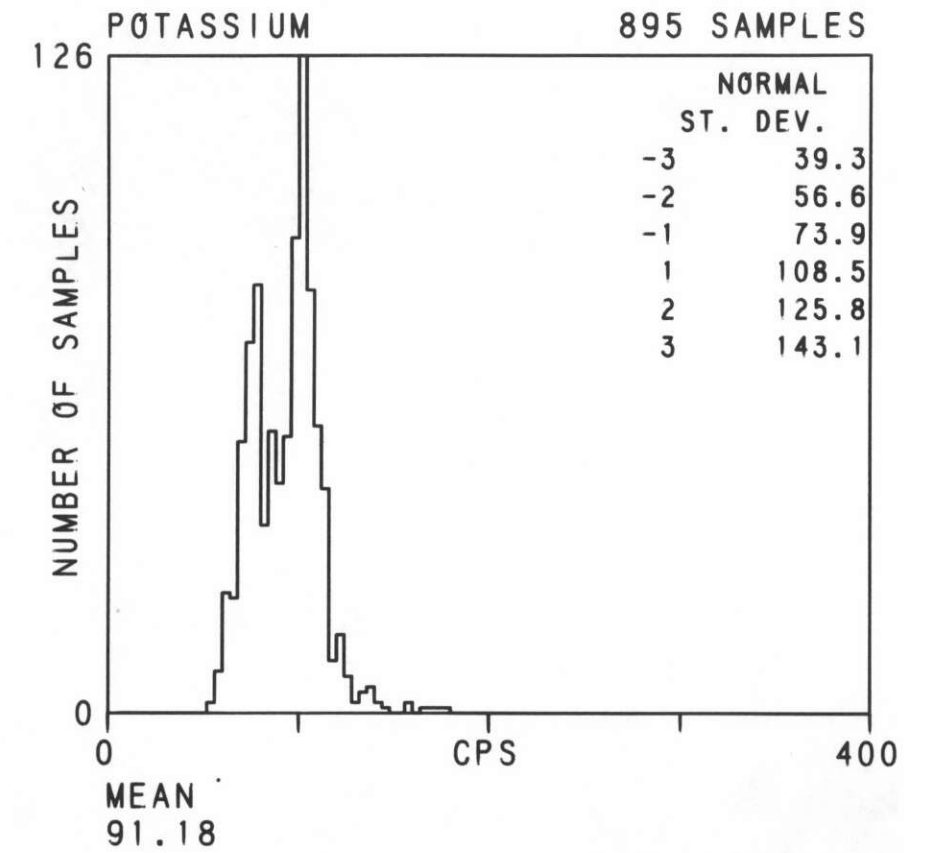
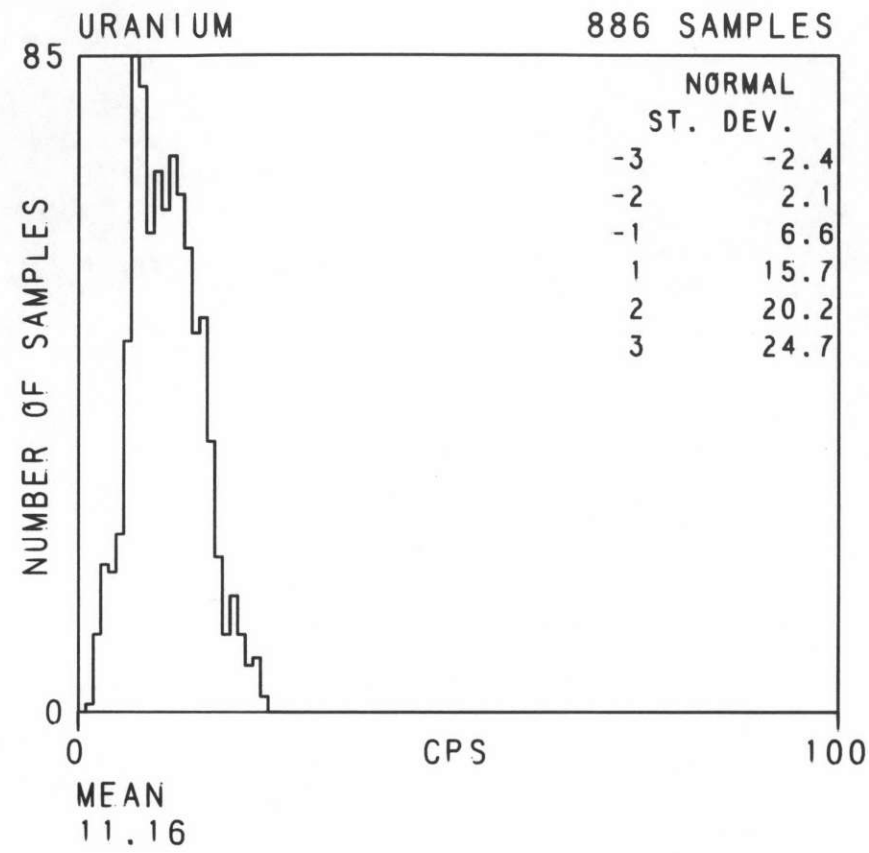
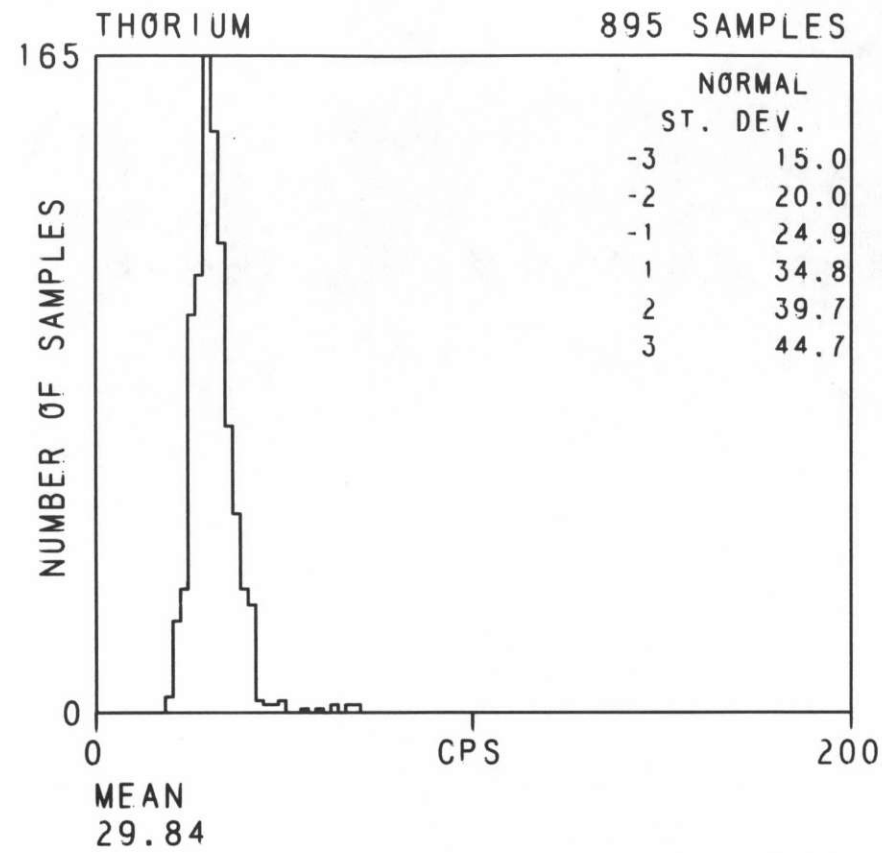
DUBOIS
NL 12-10

FORMATION TKN
TOTAL SAMPLES 102

AERO SERVICE
1978



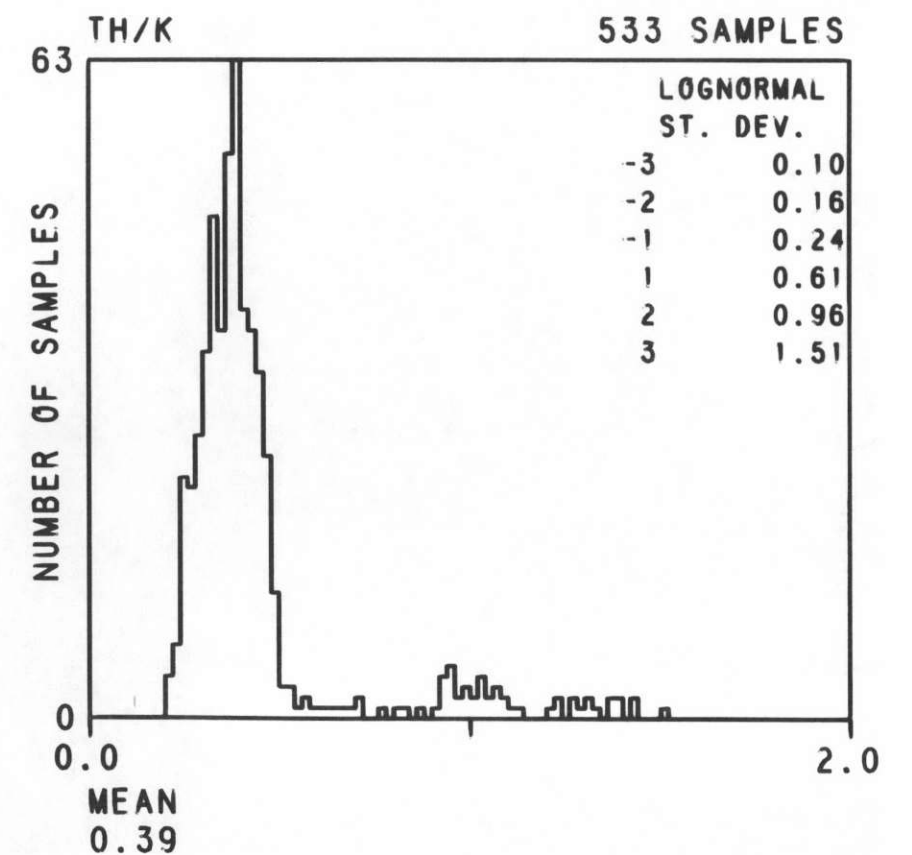
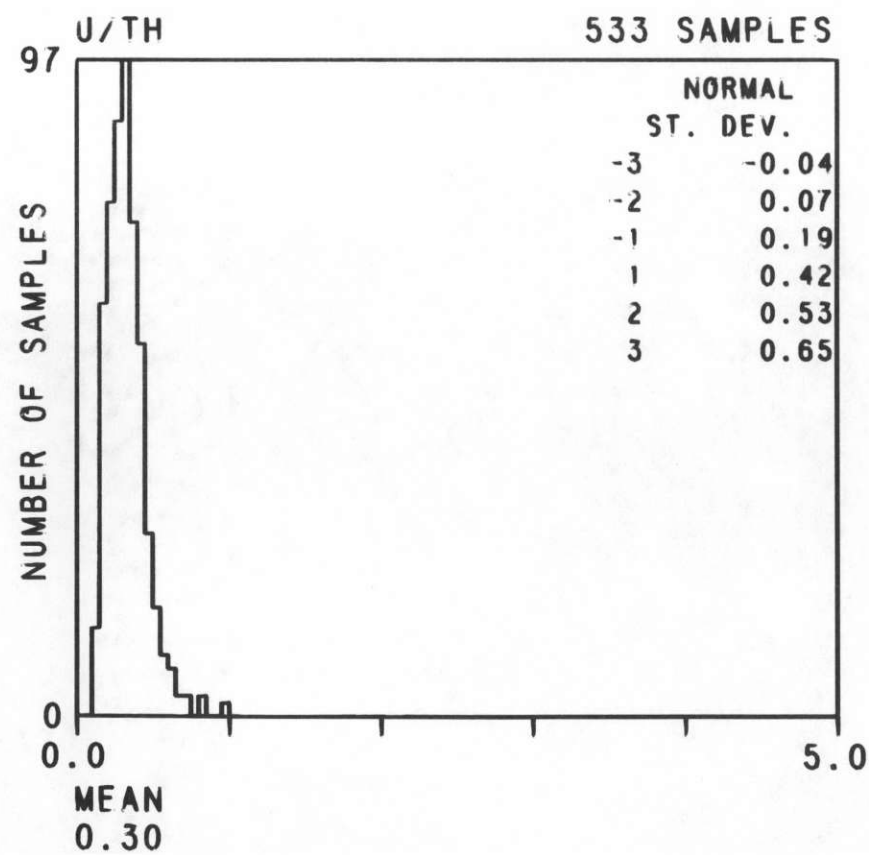
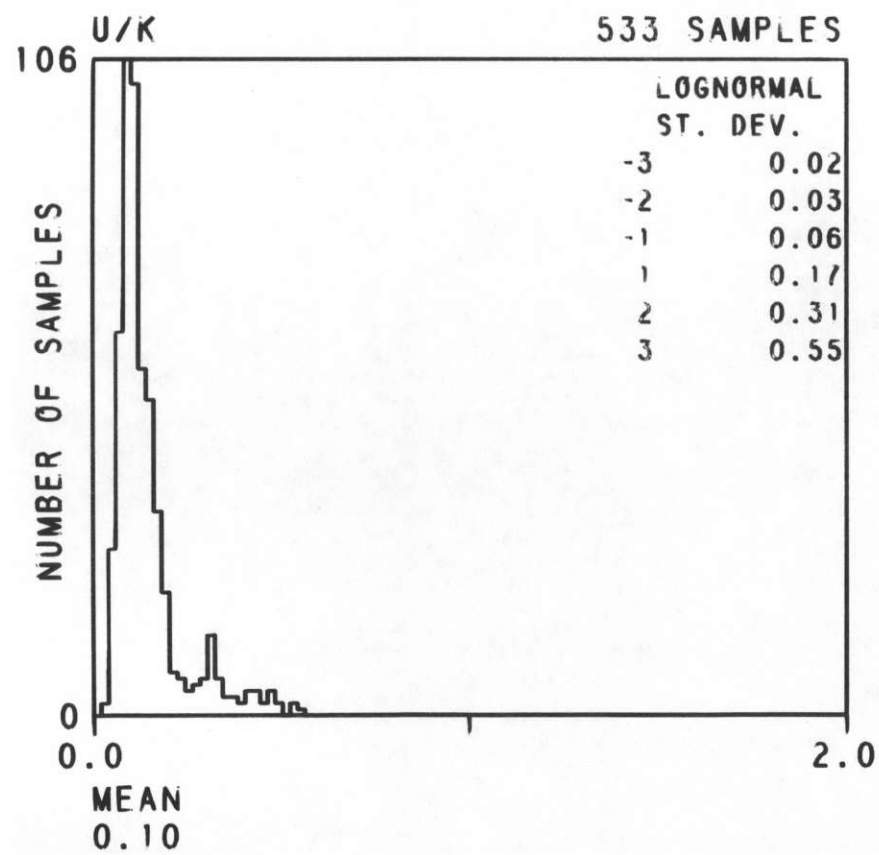
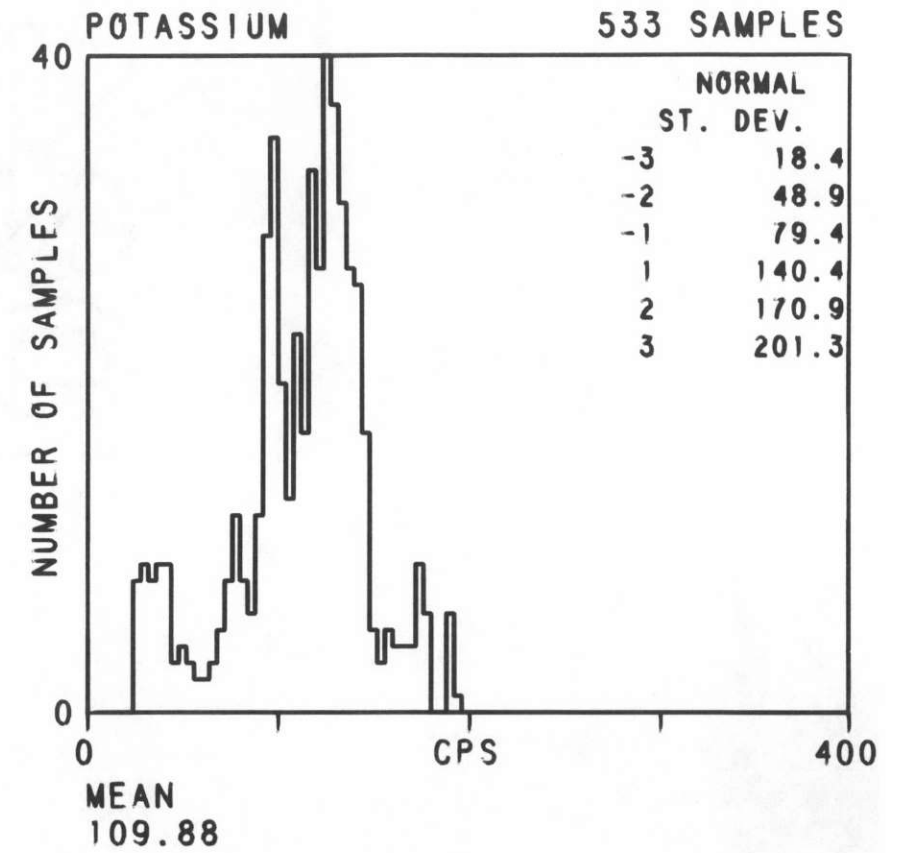
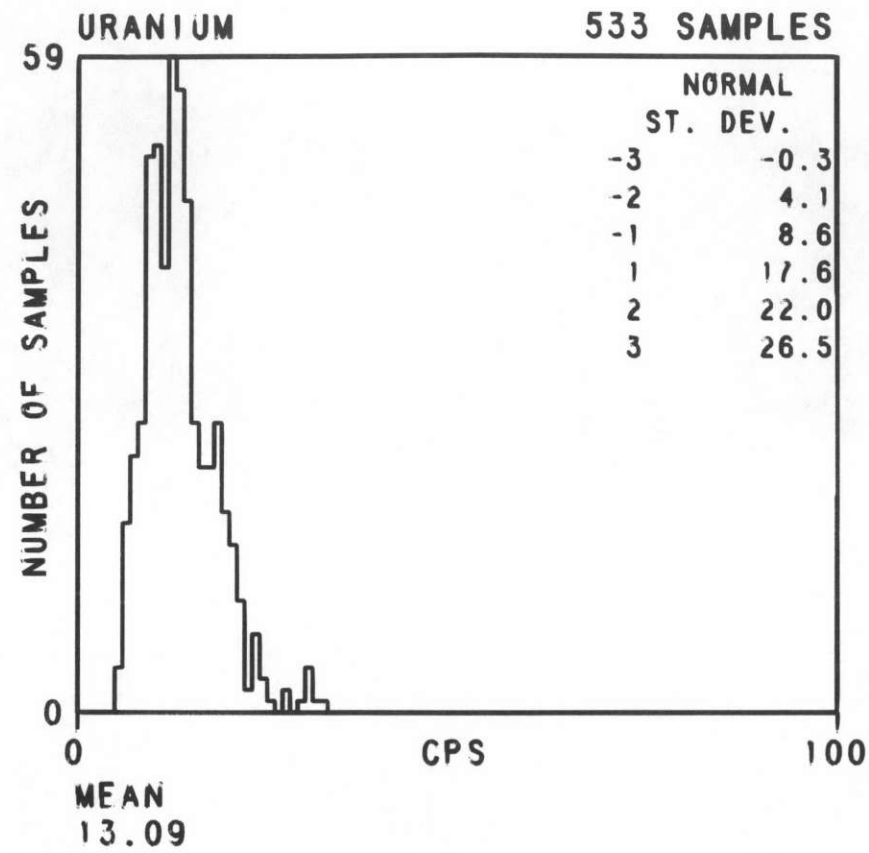
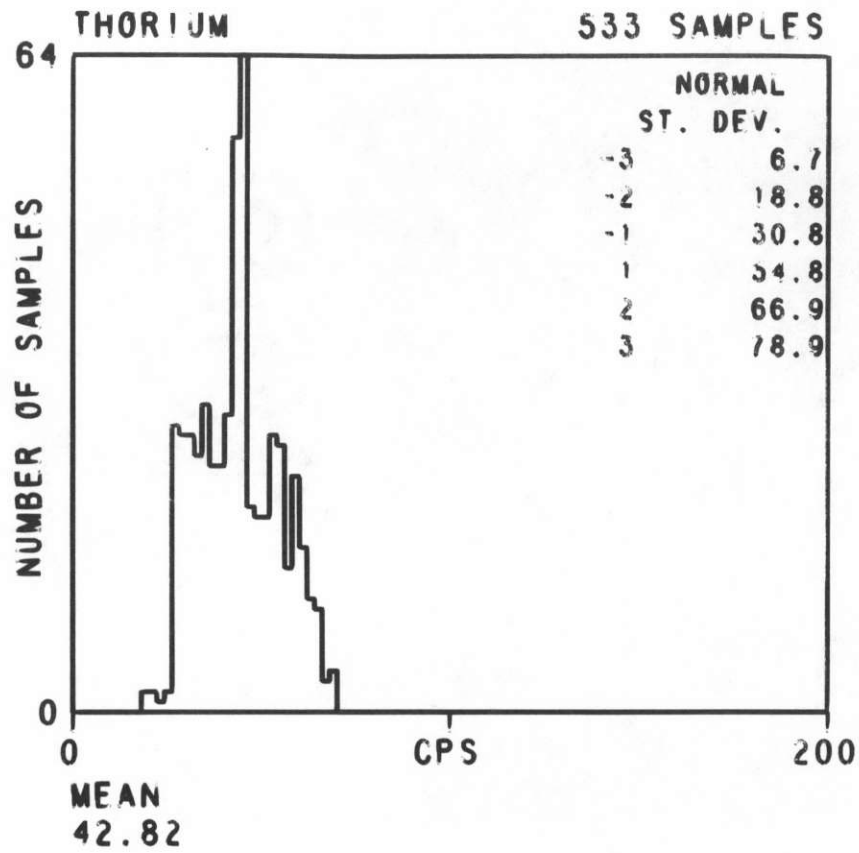


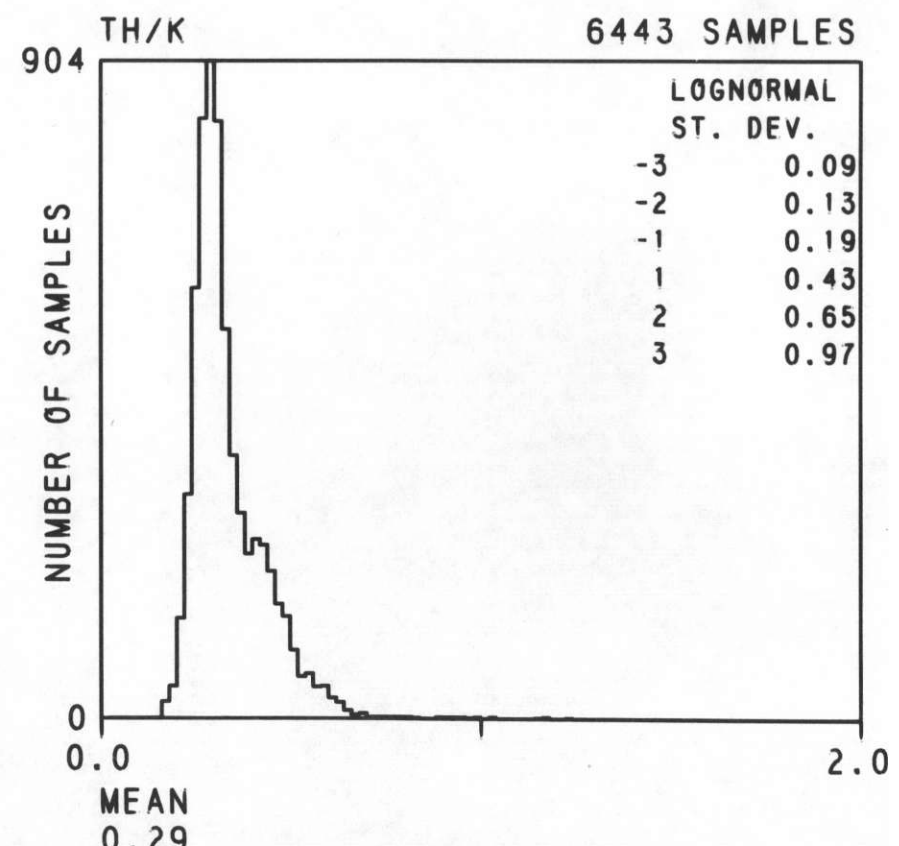
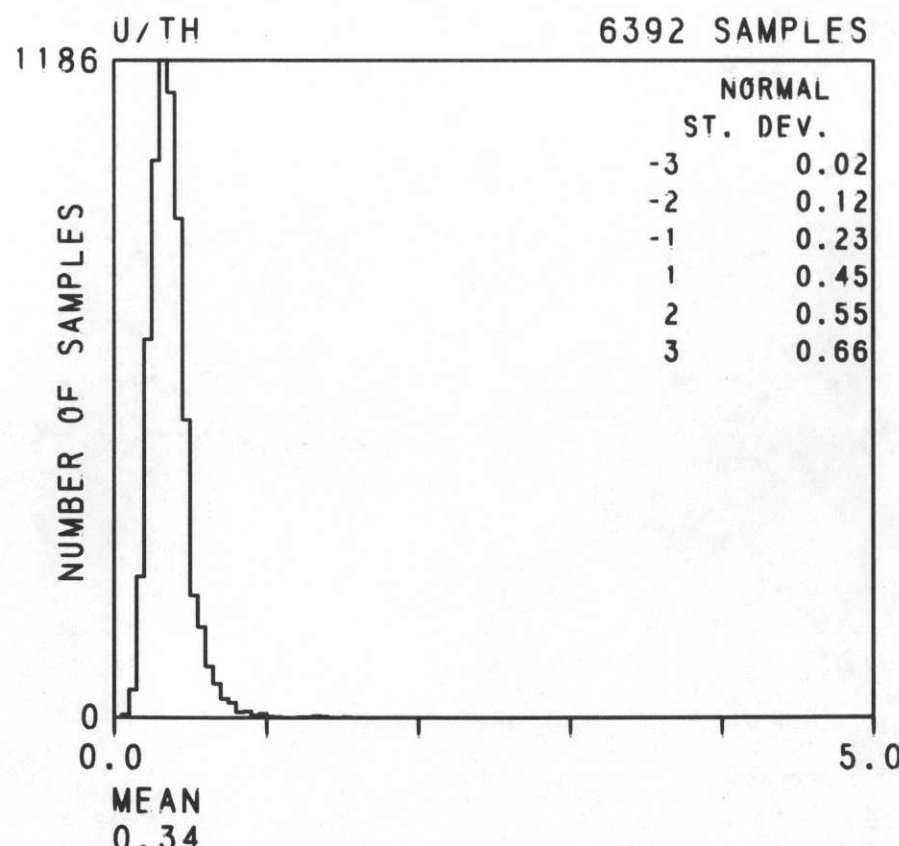
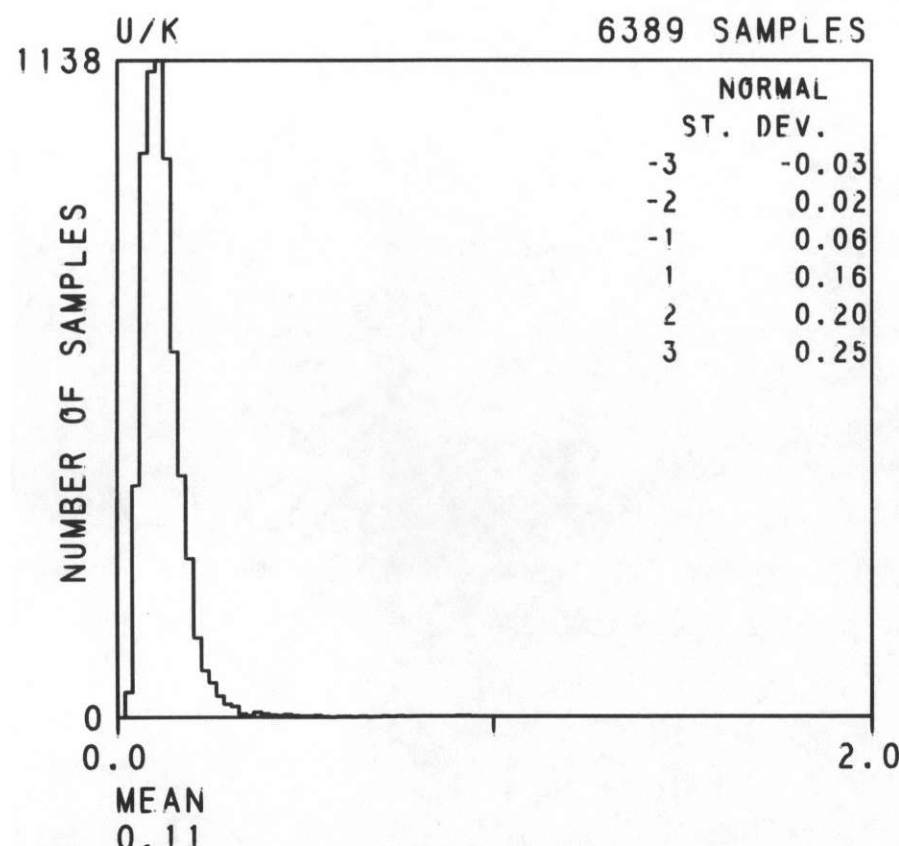
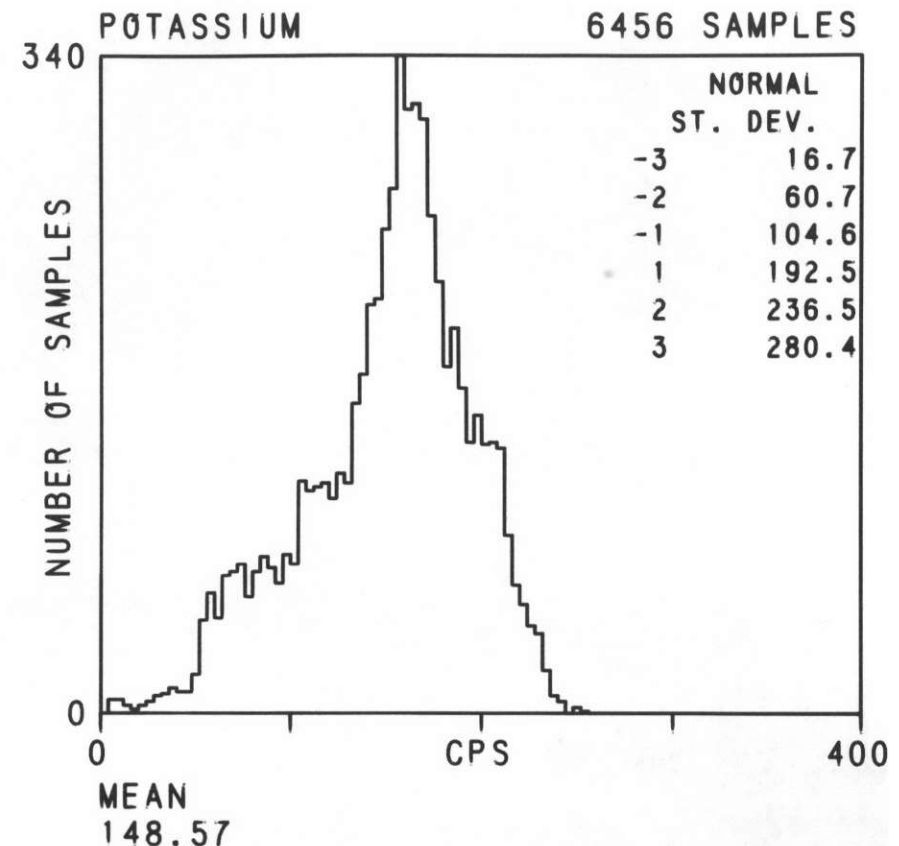
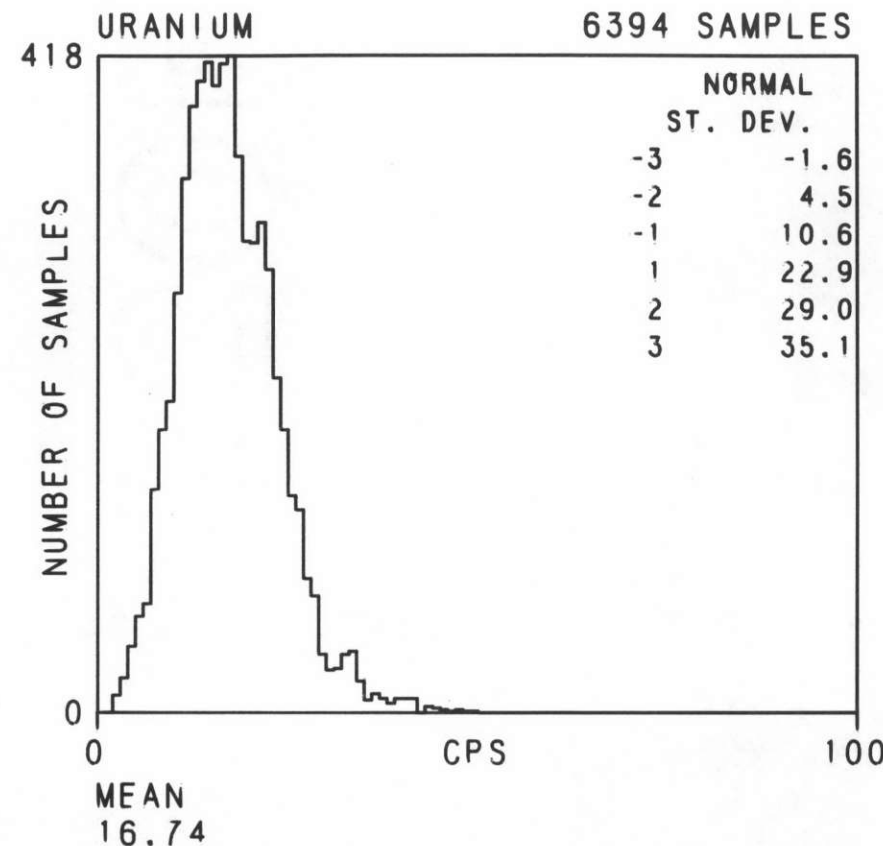
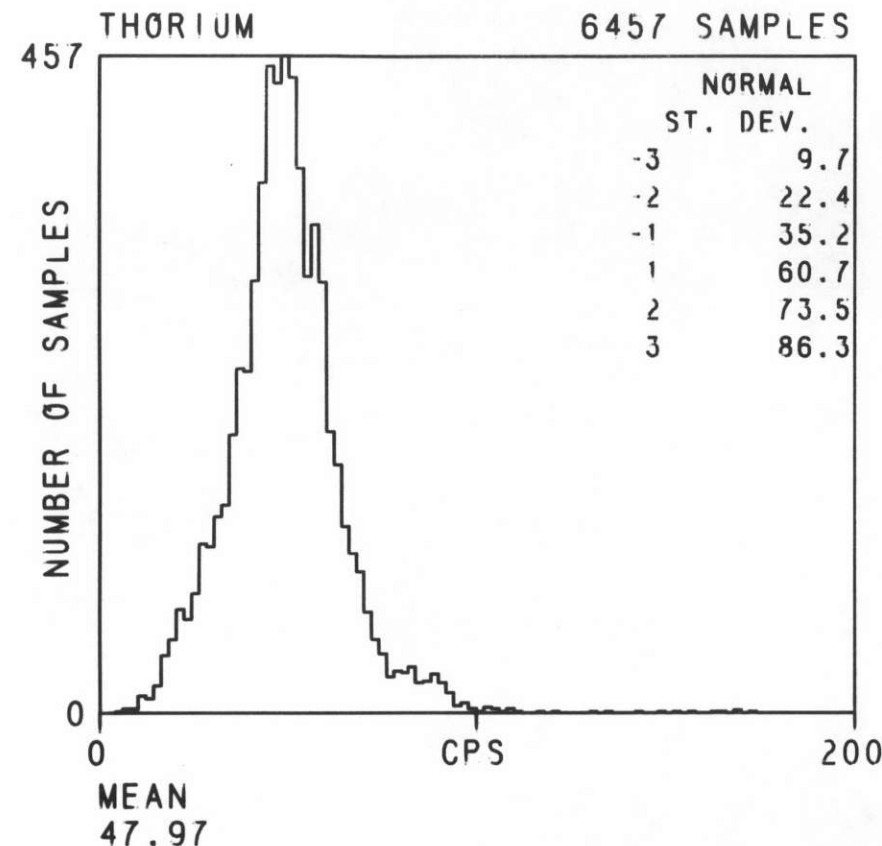


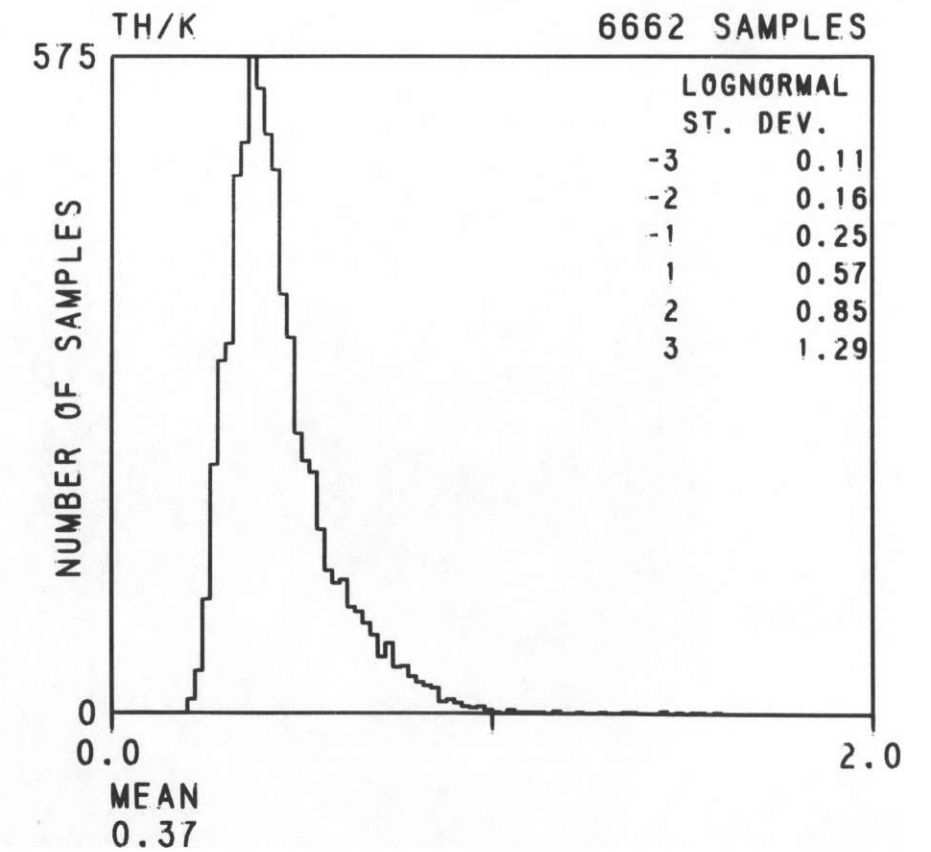
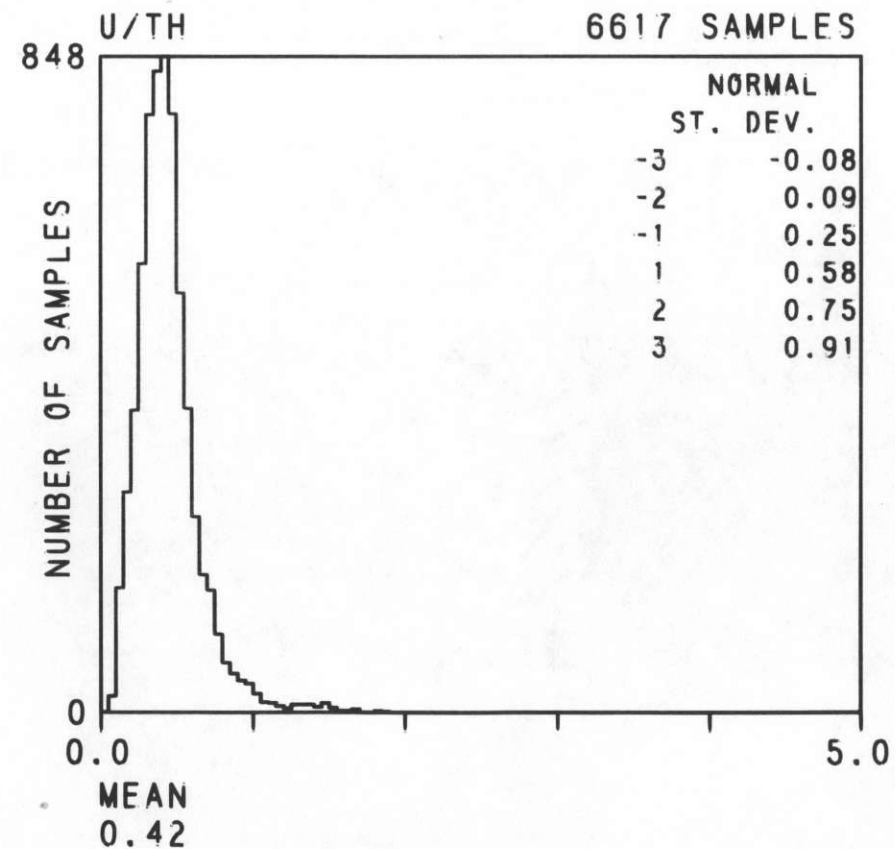
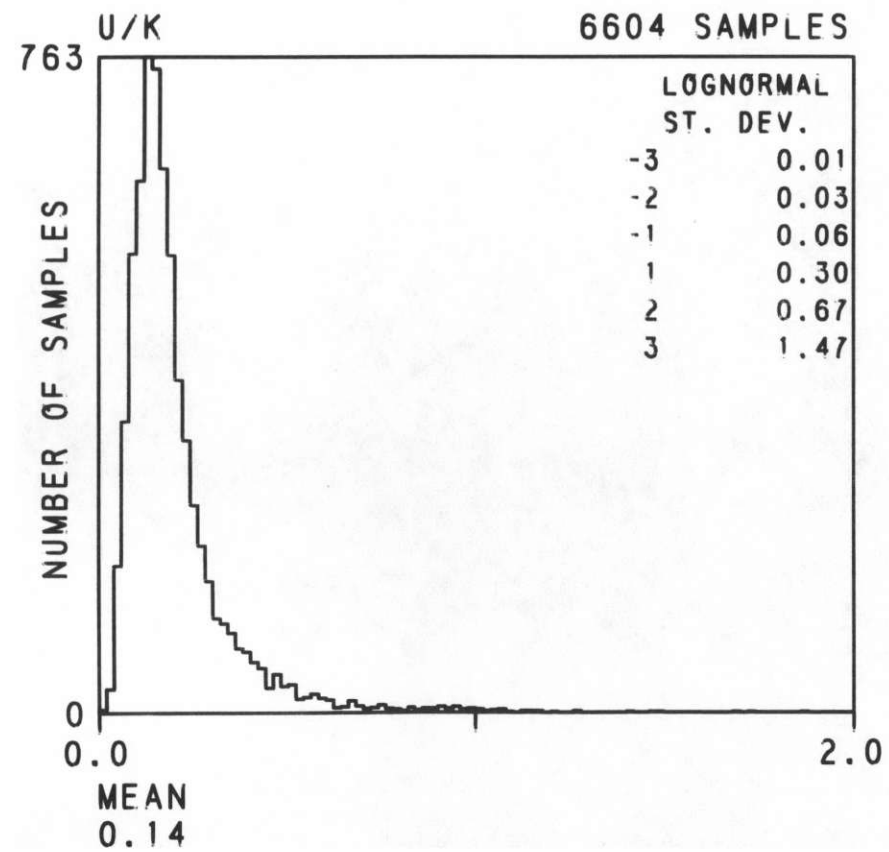
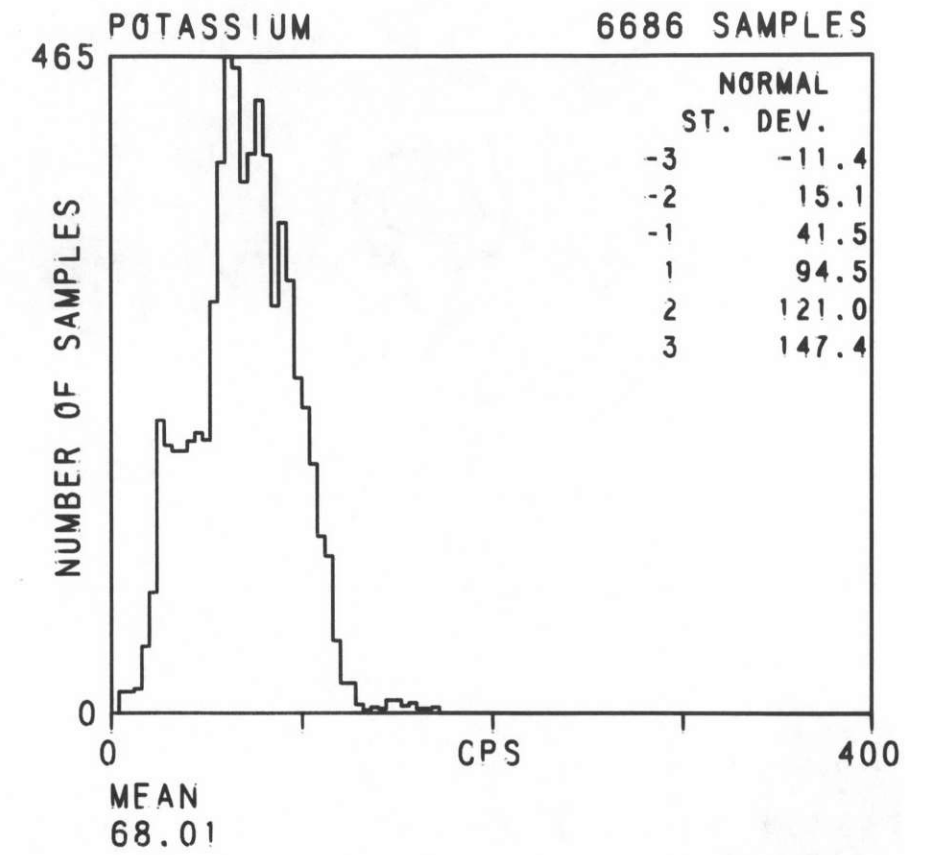
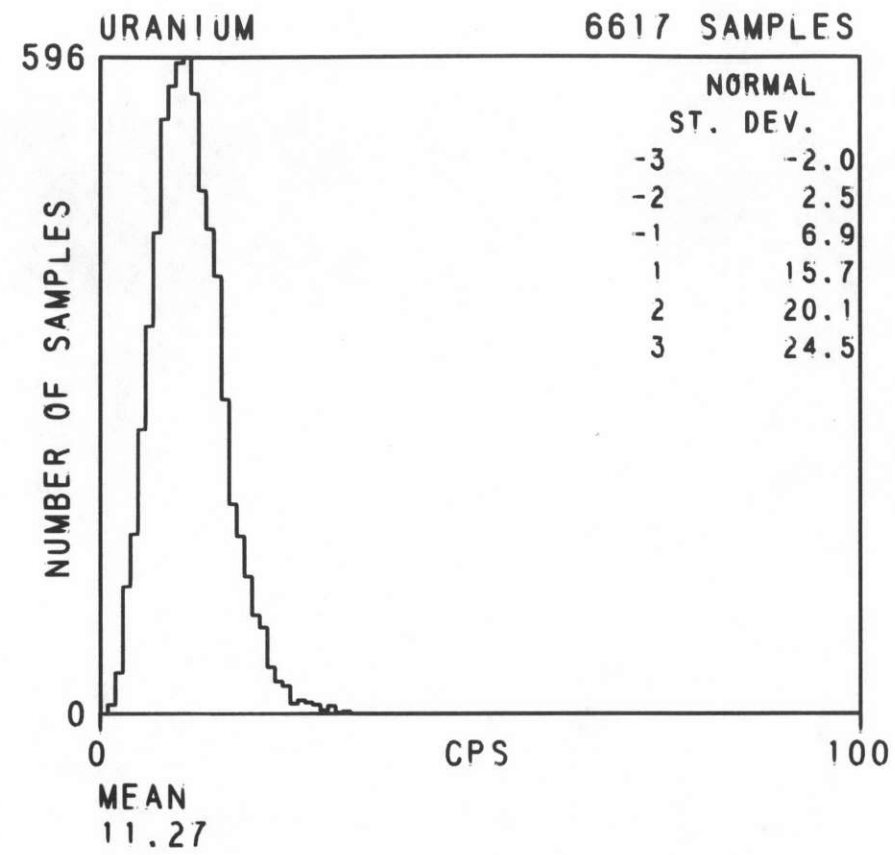
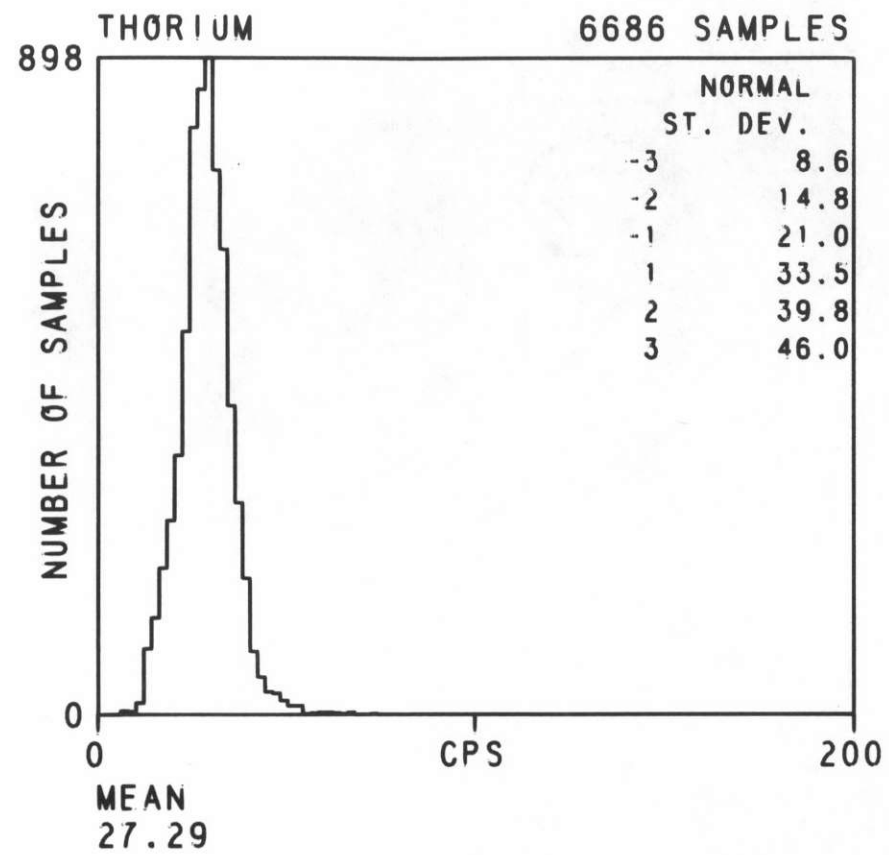
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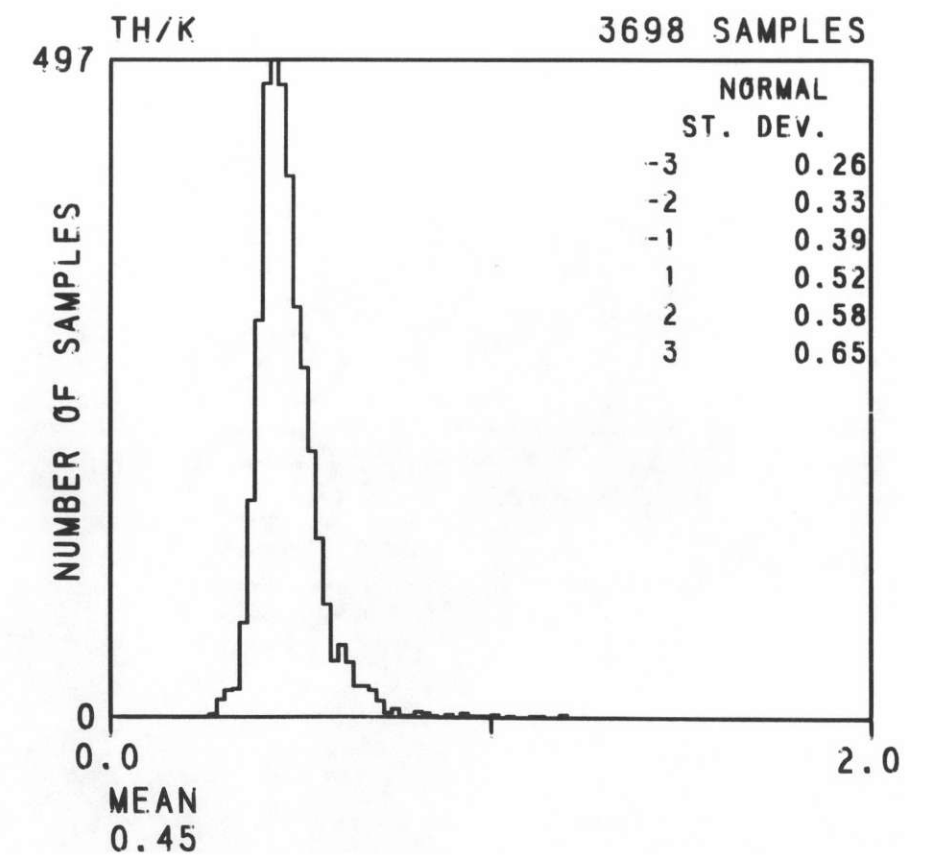
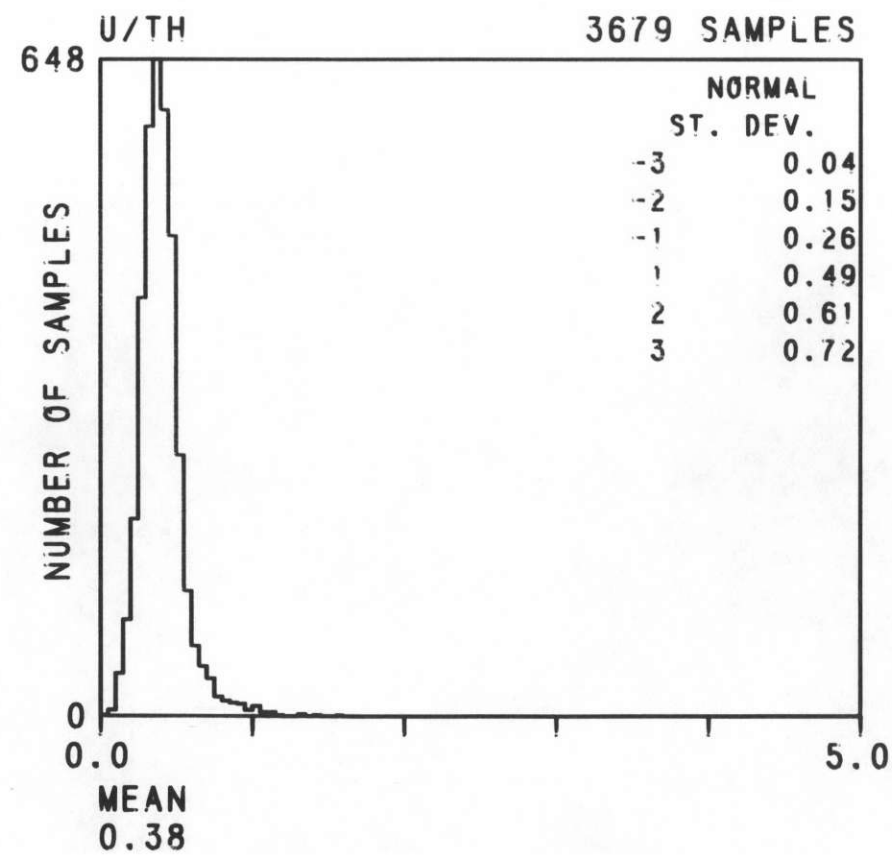
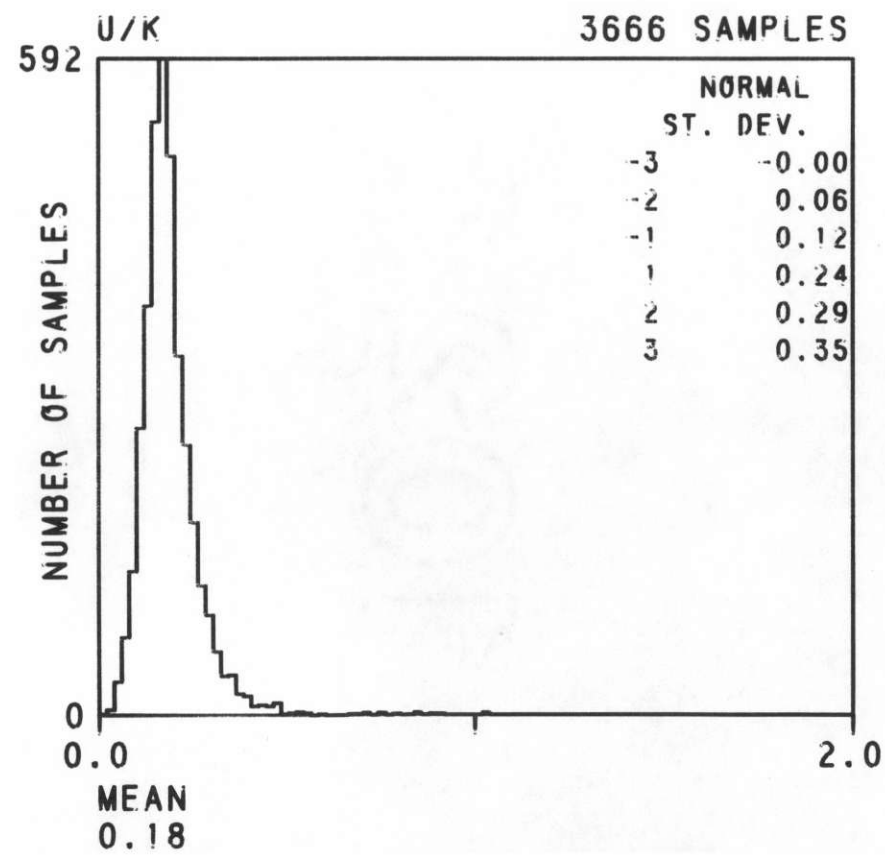
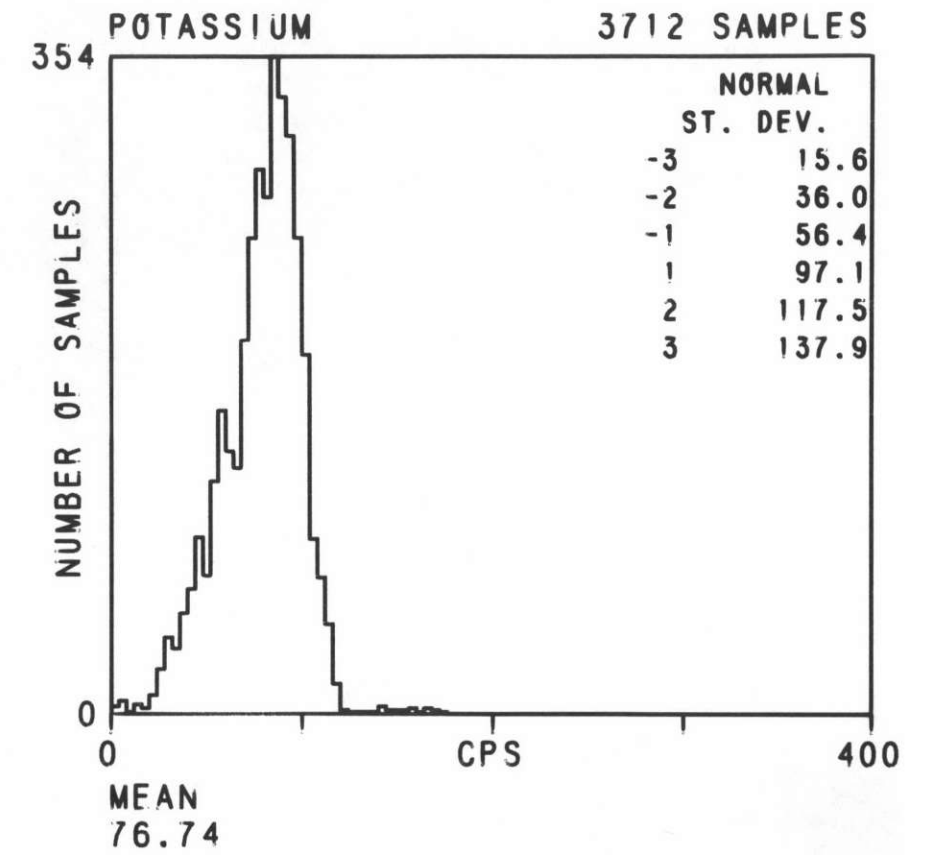
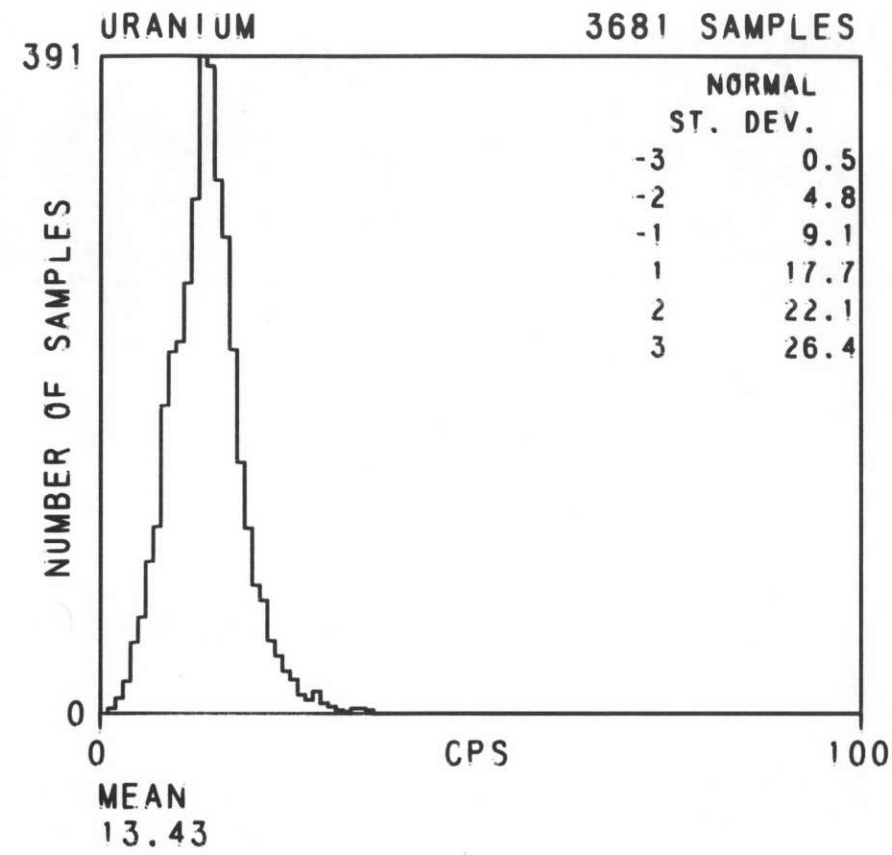
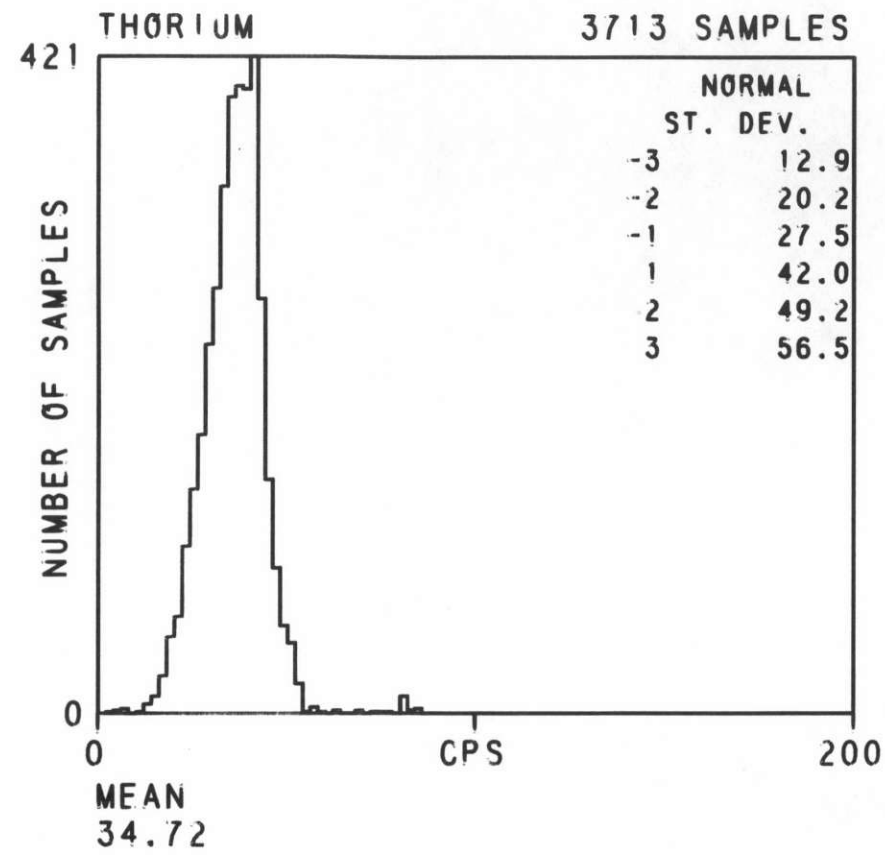


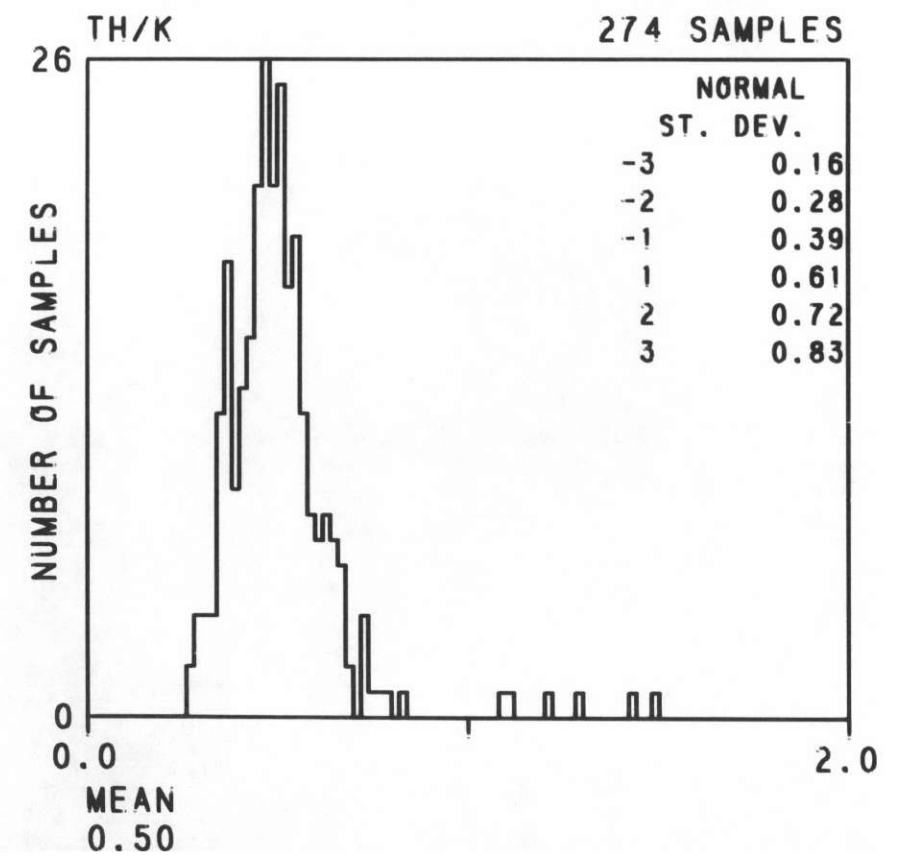
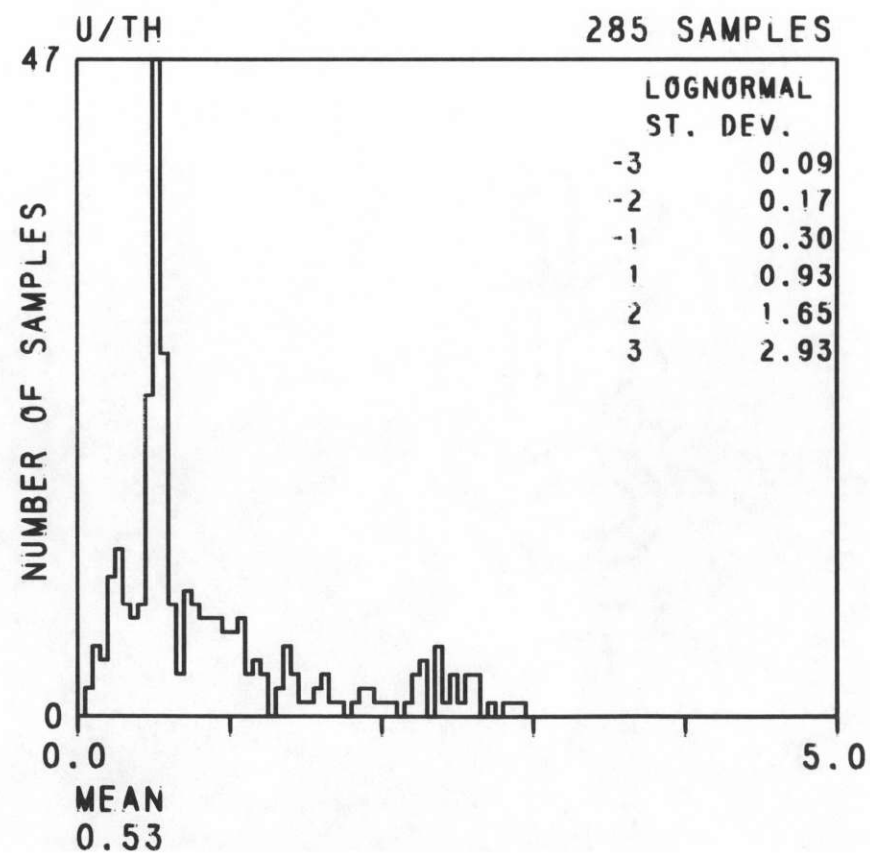
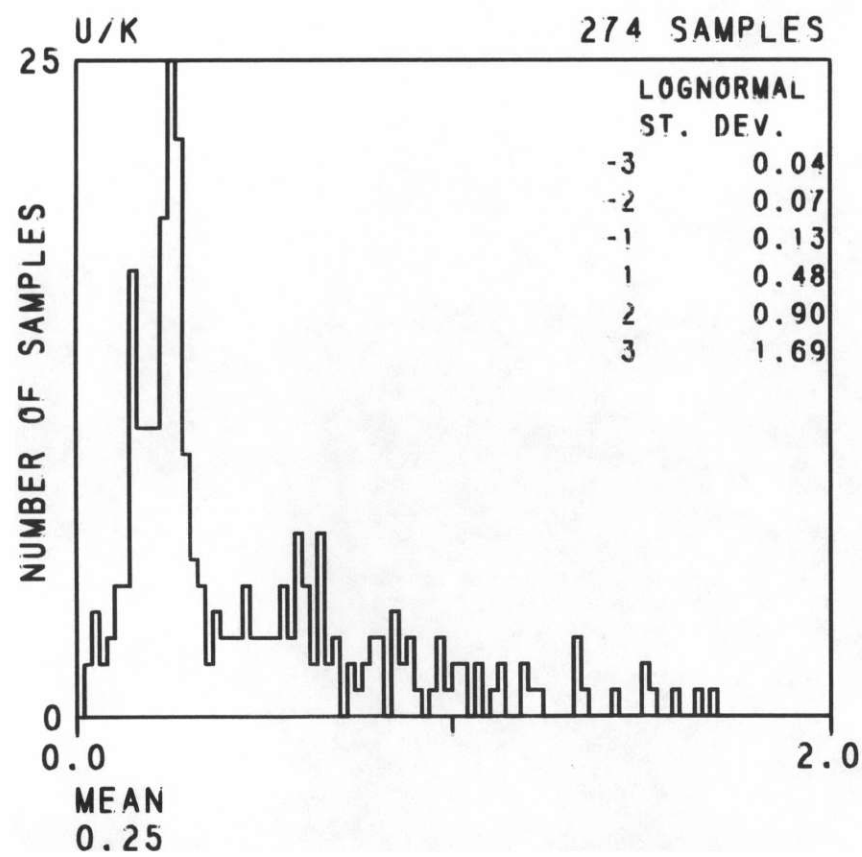
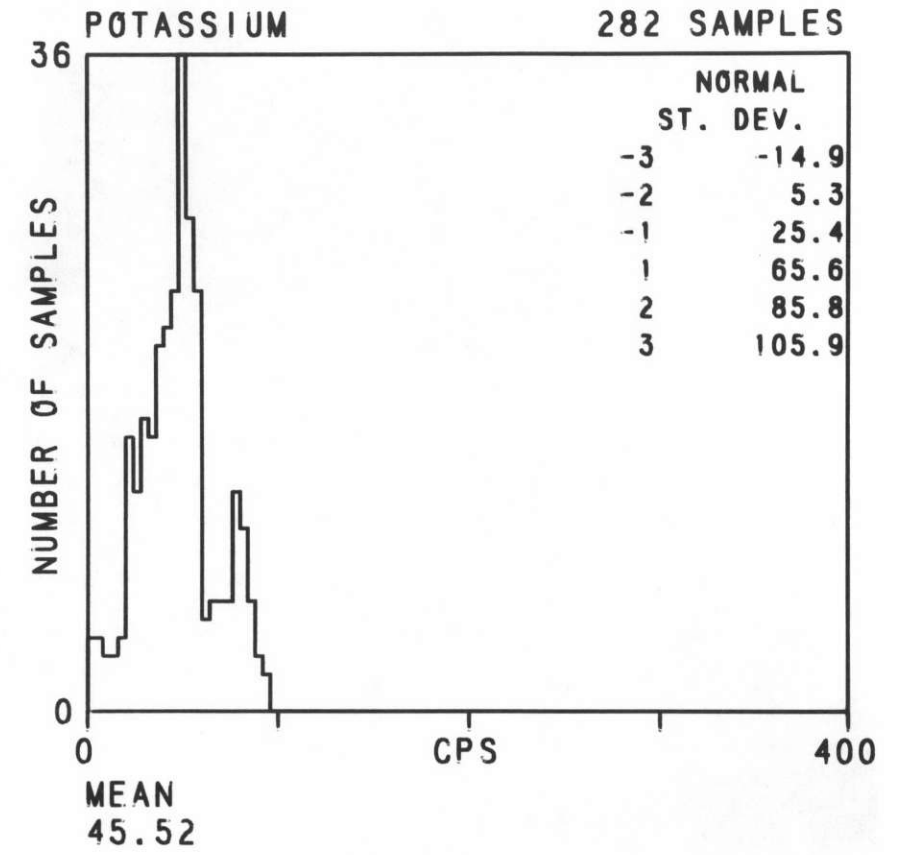
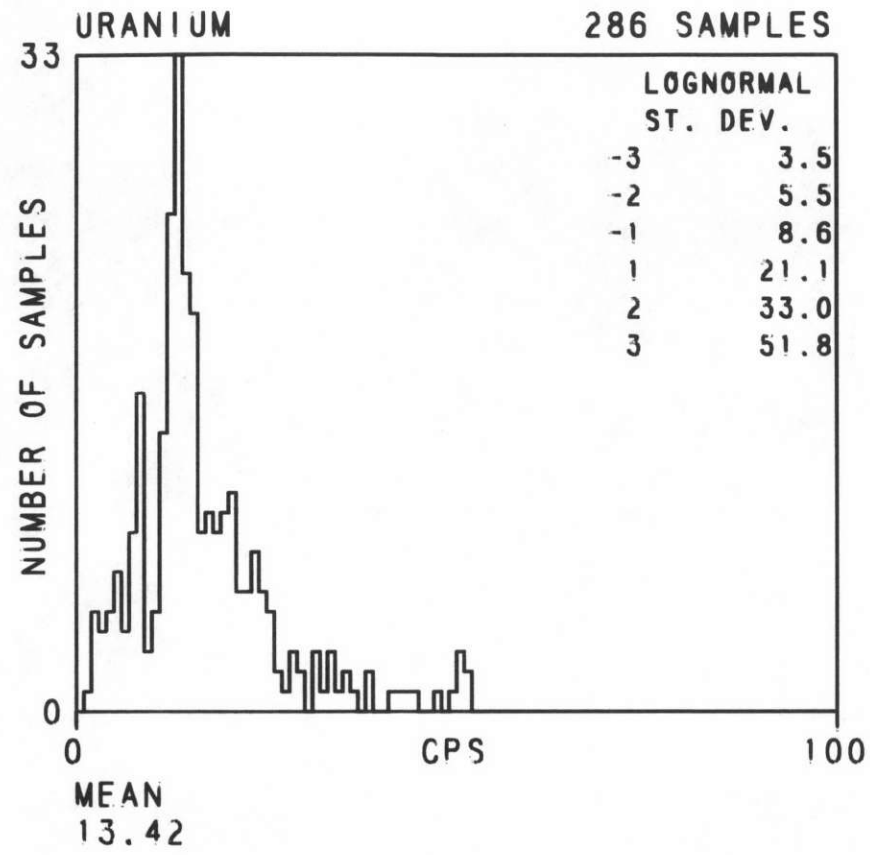
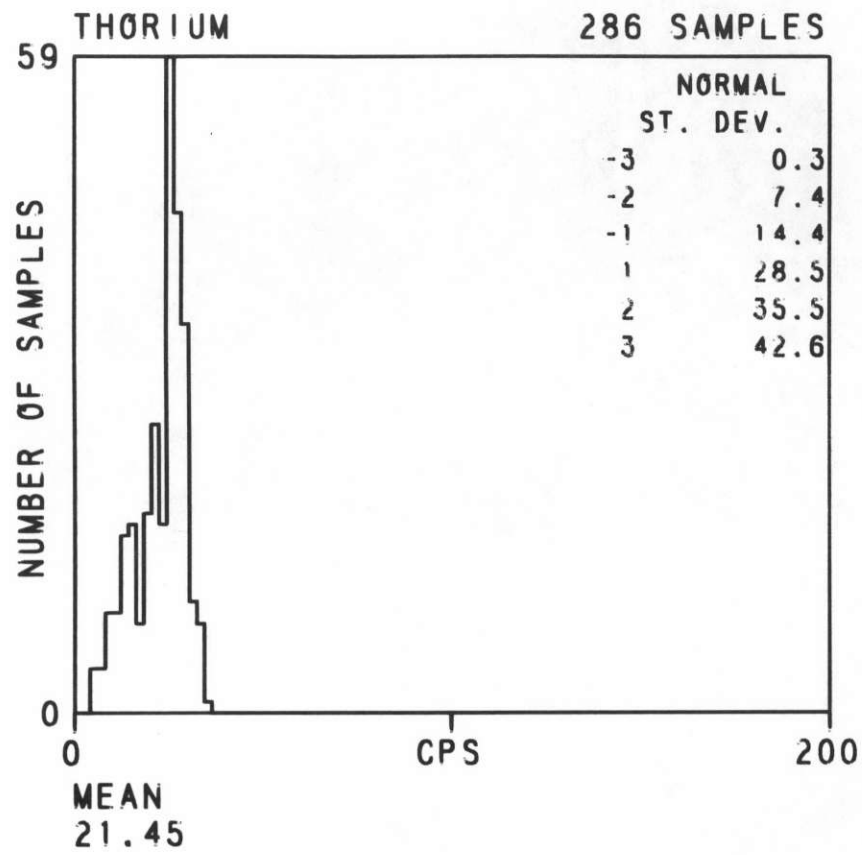


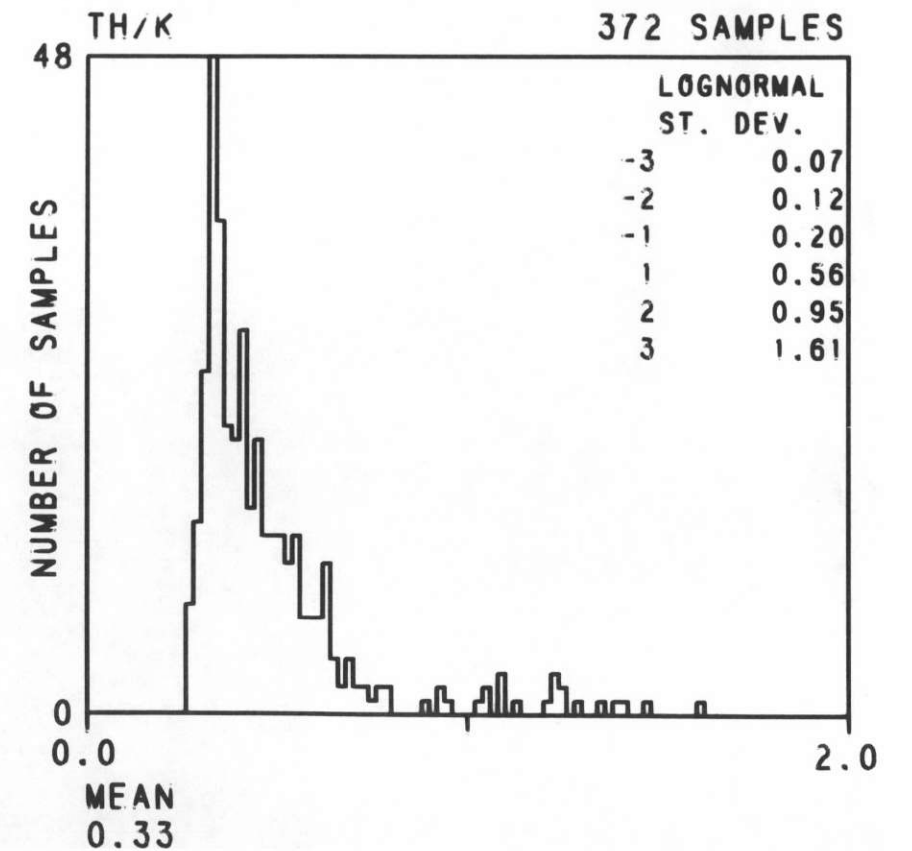
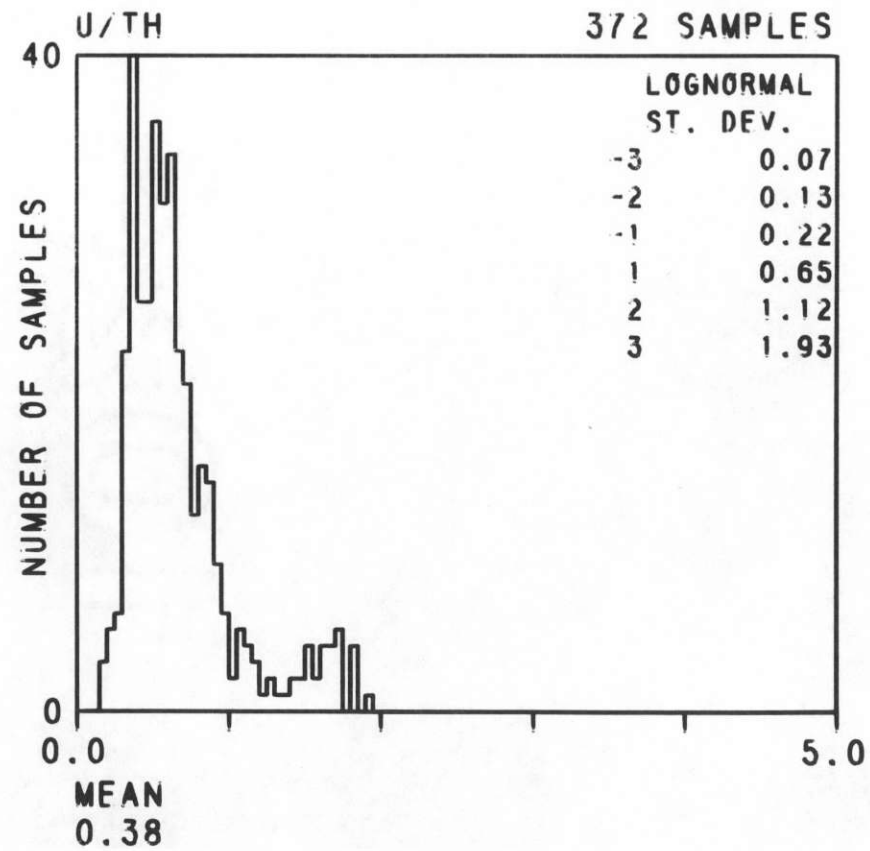
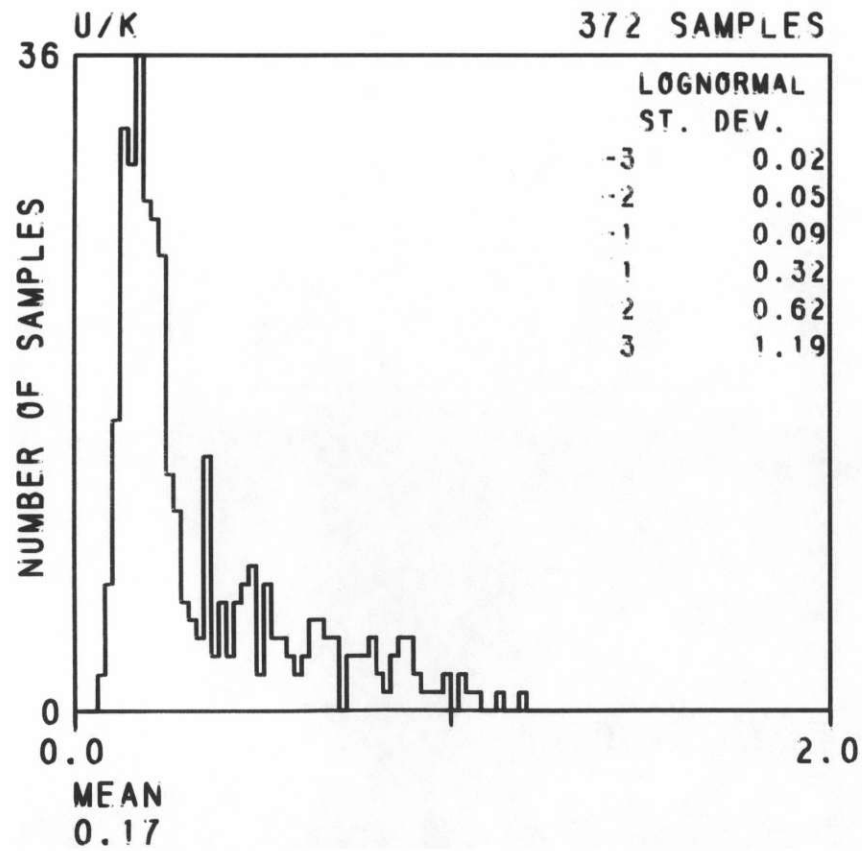
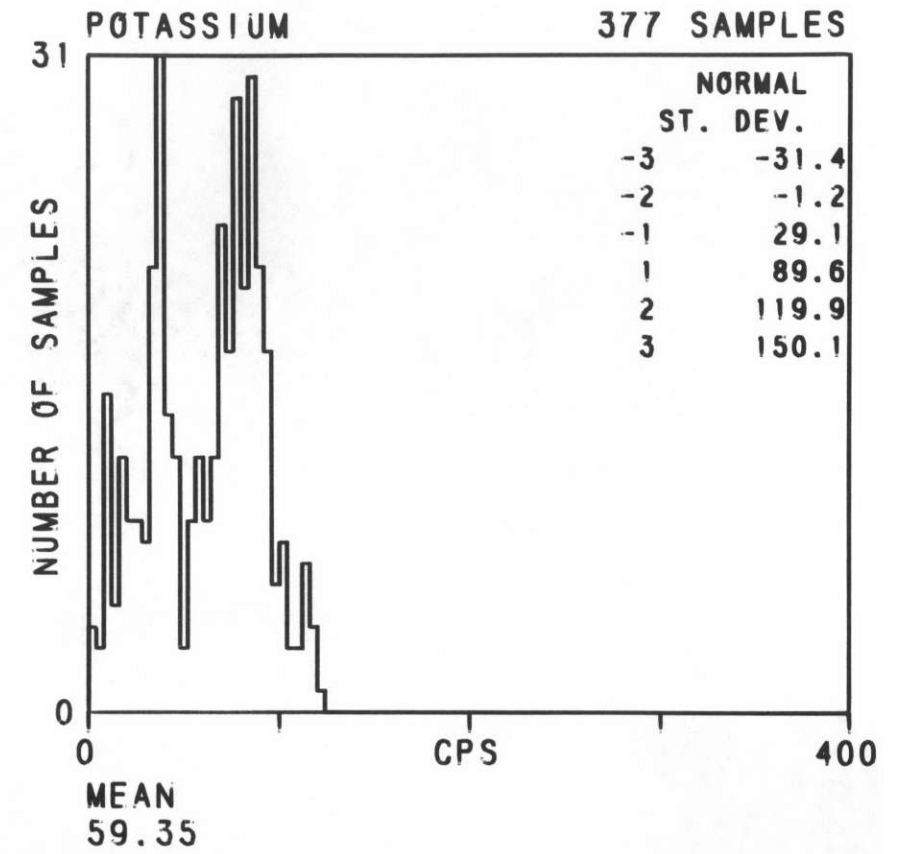
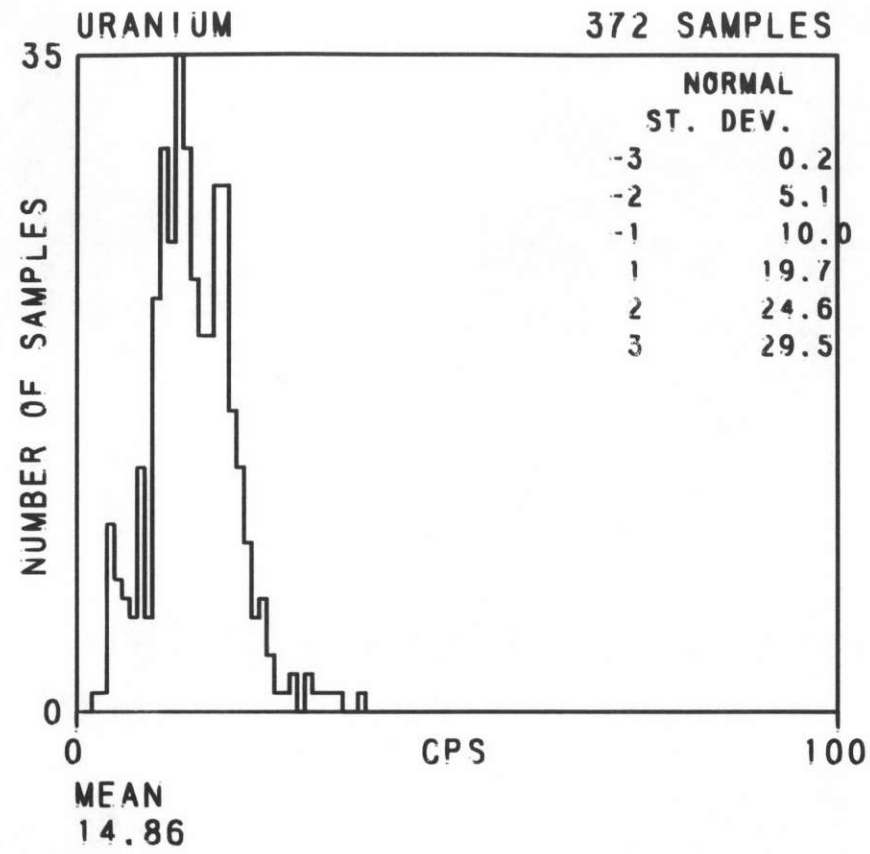
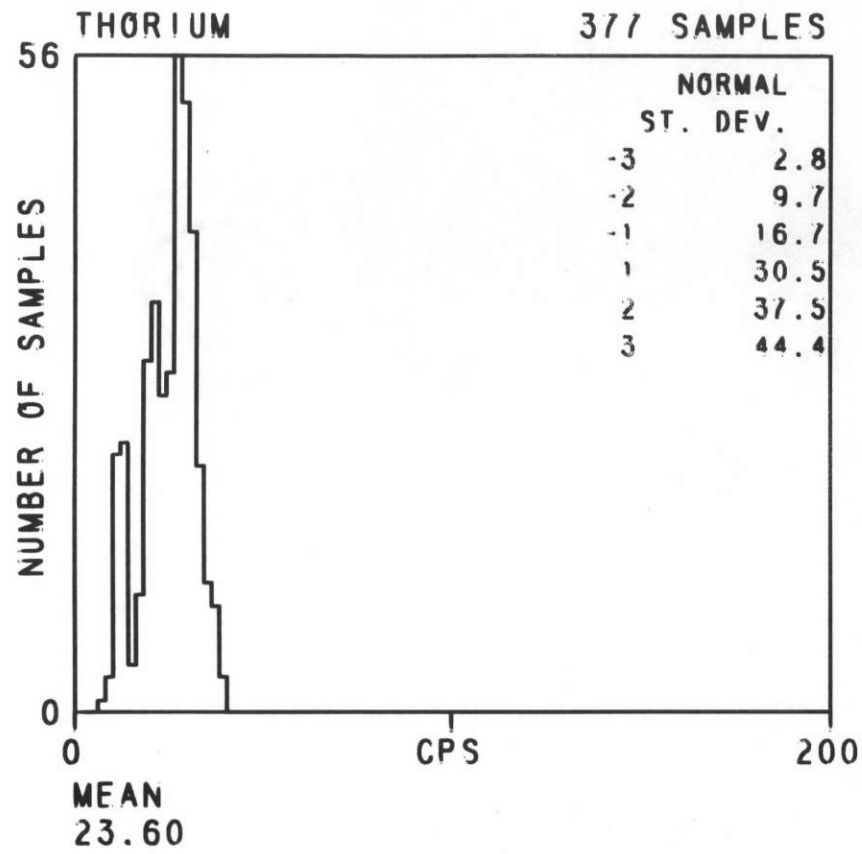
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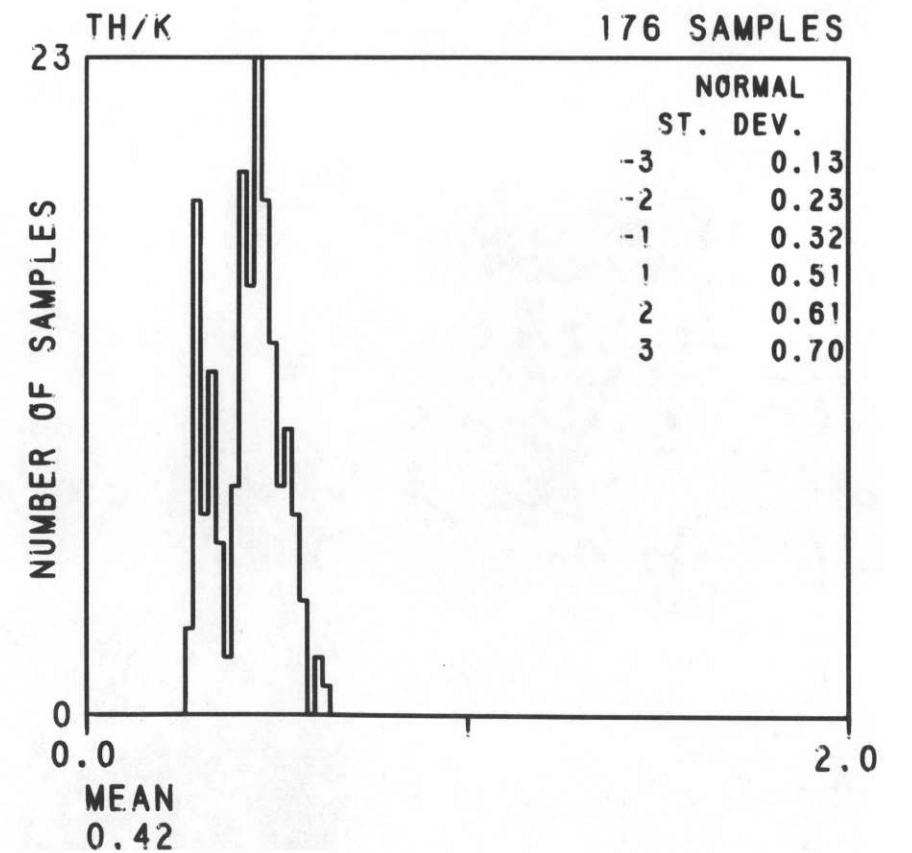
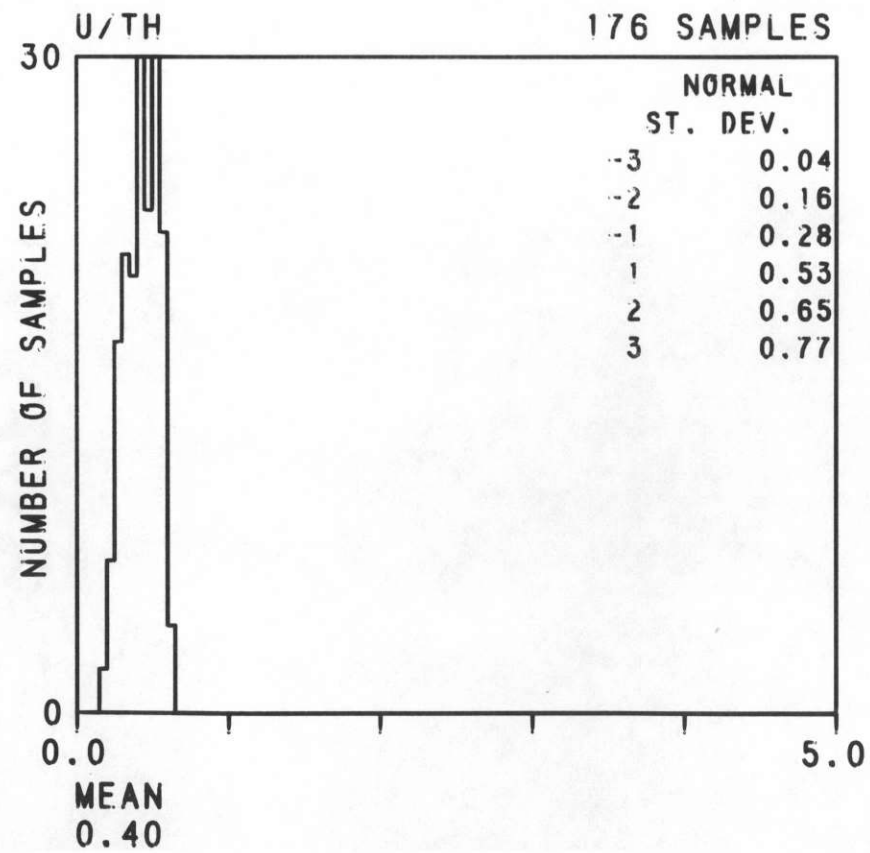
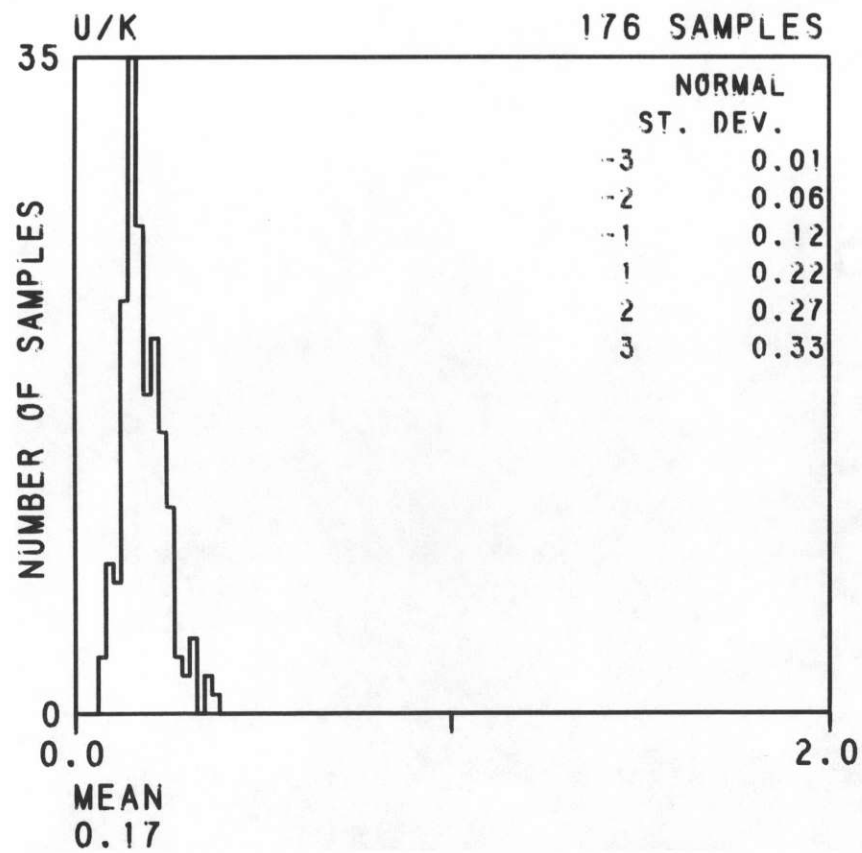
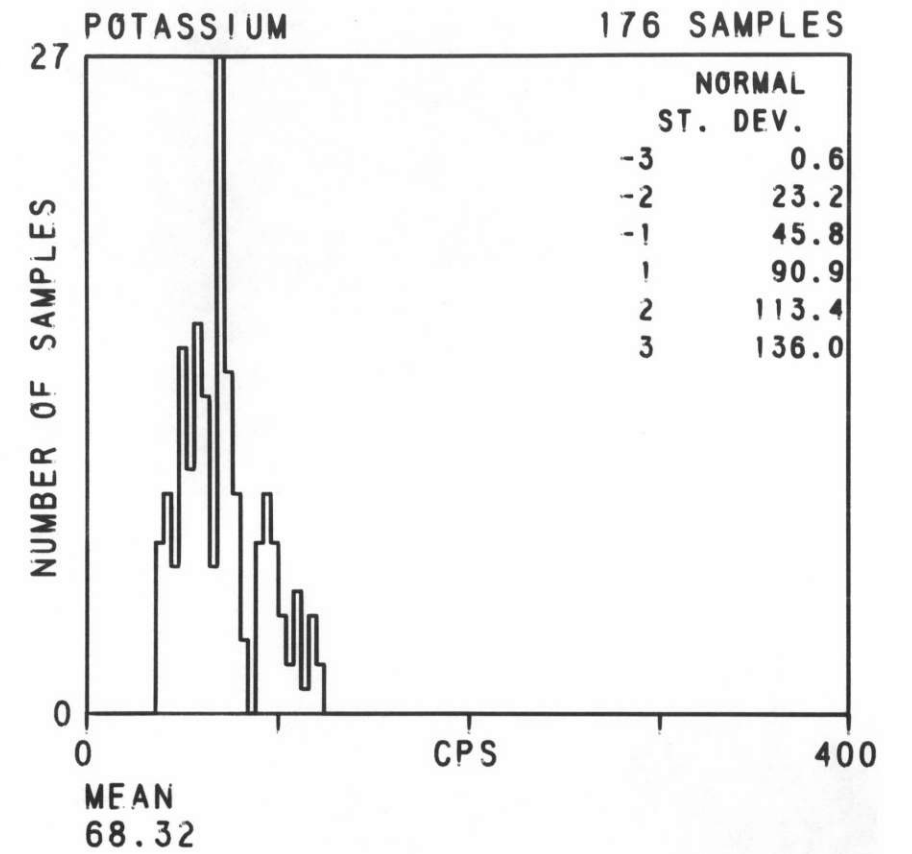
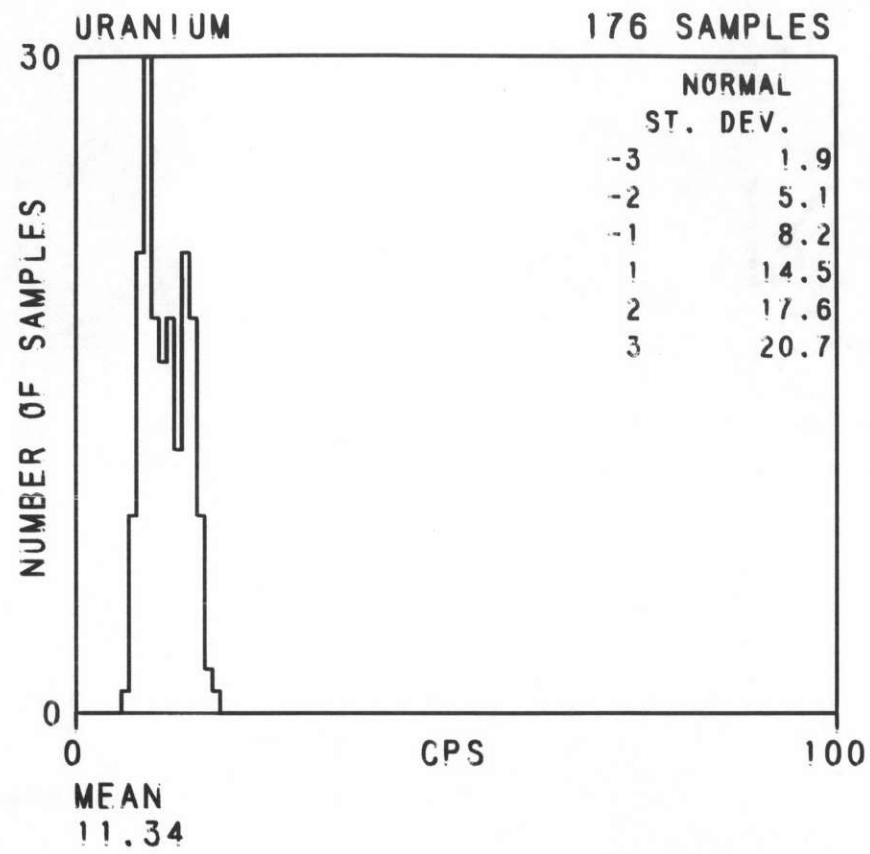
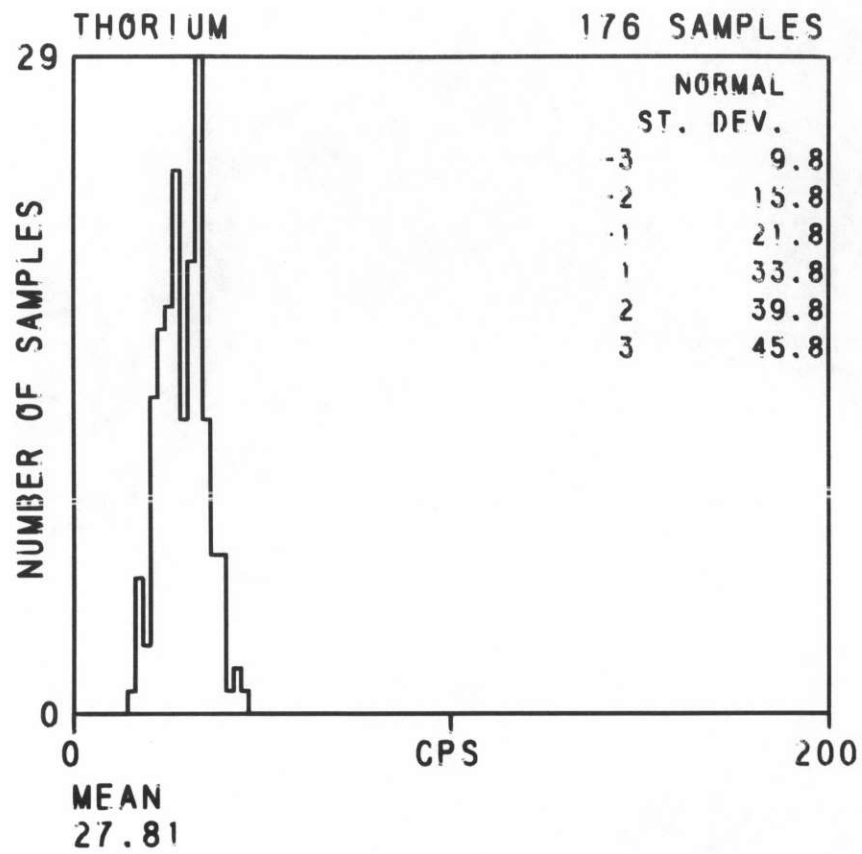
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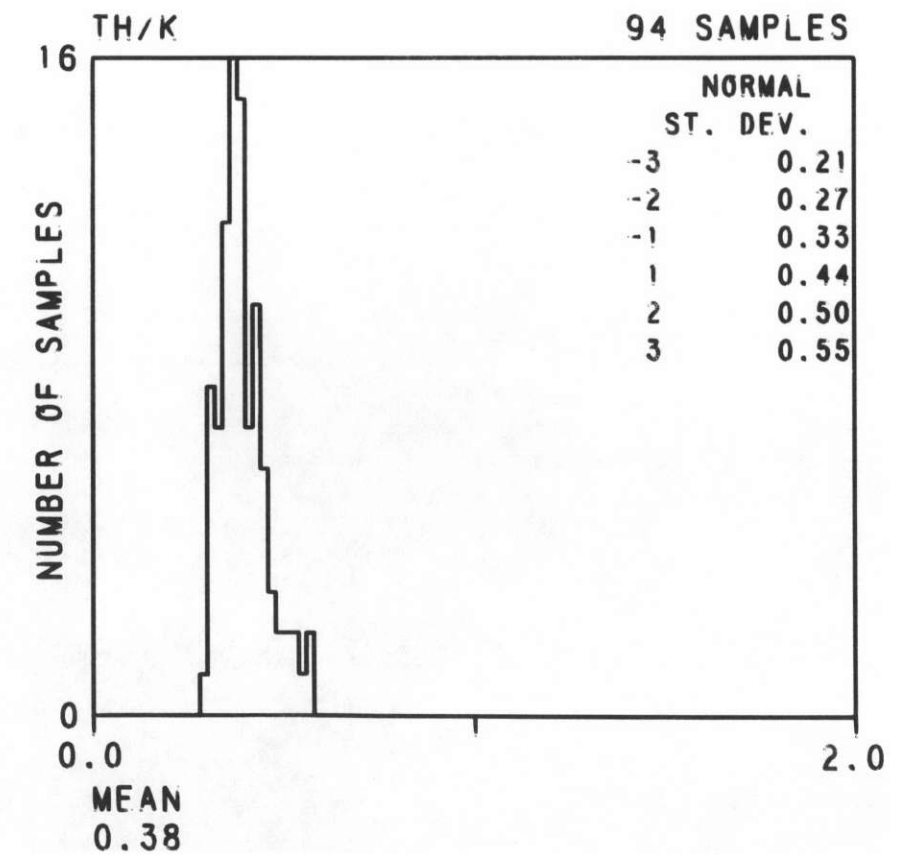
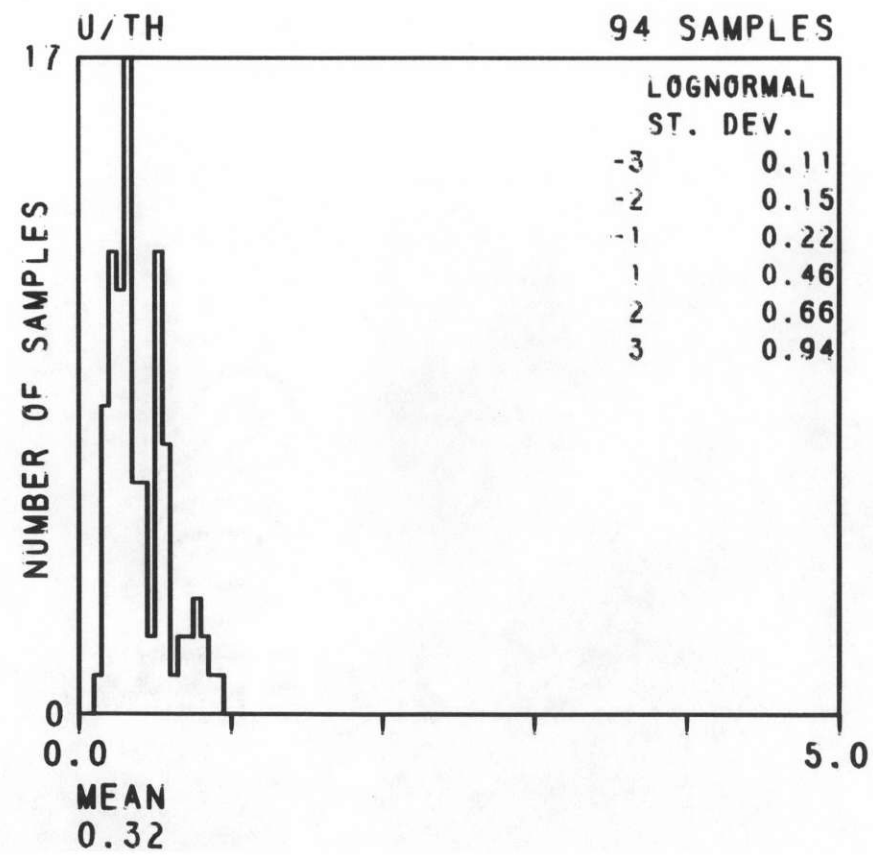
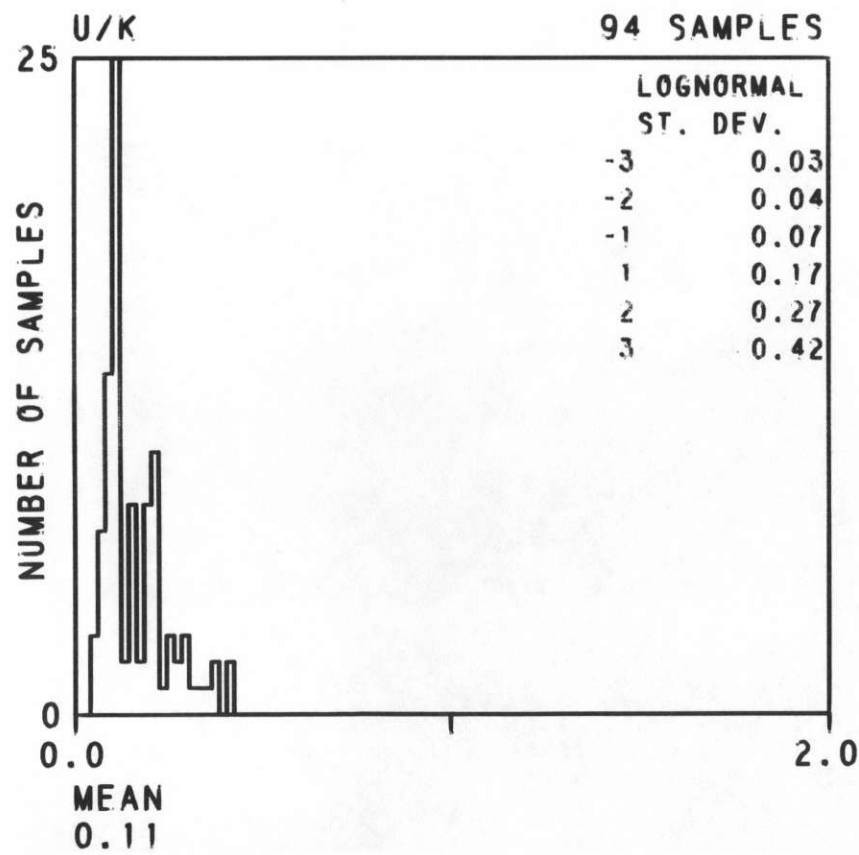
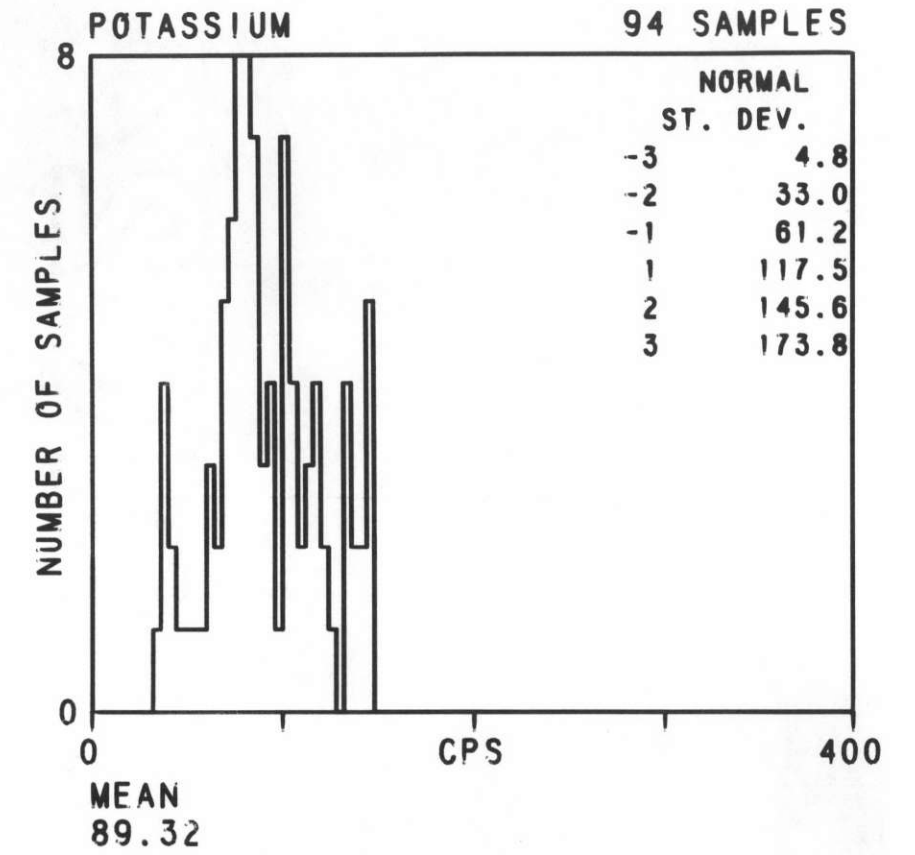
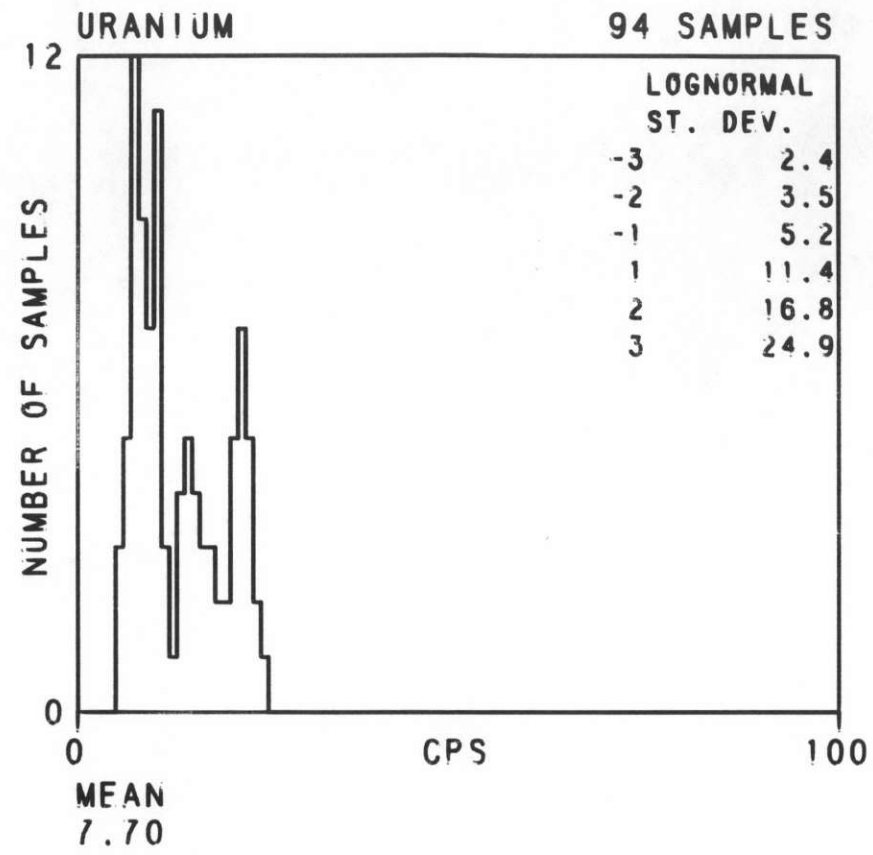
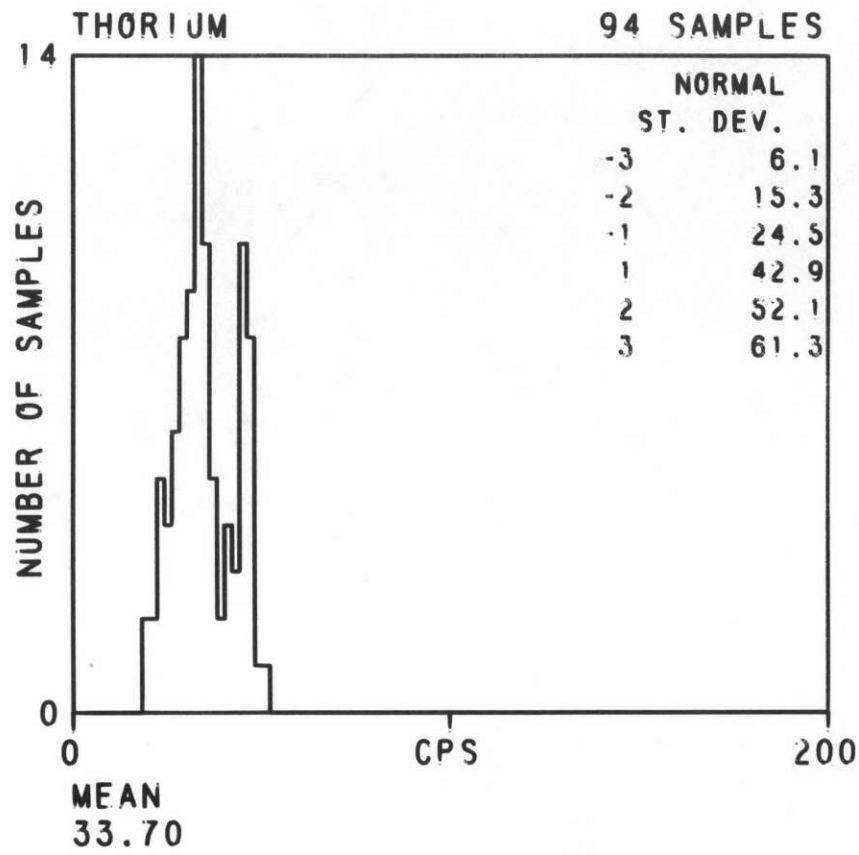
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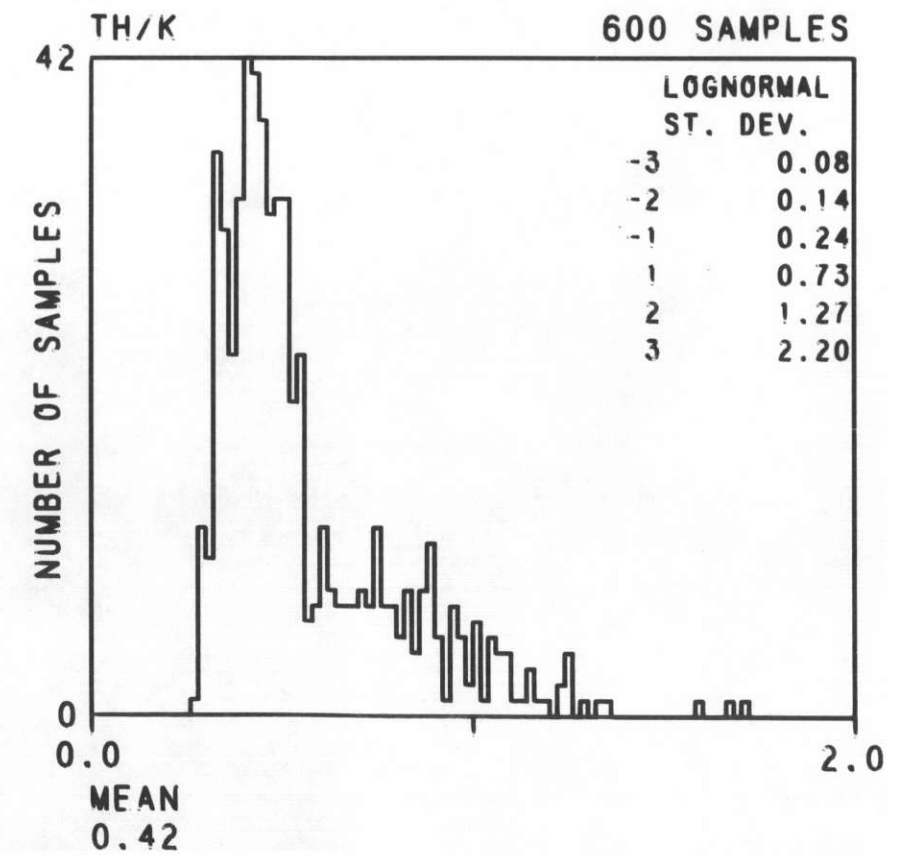
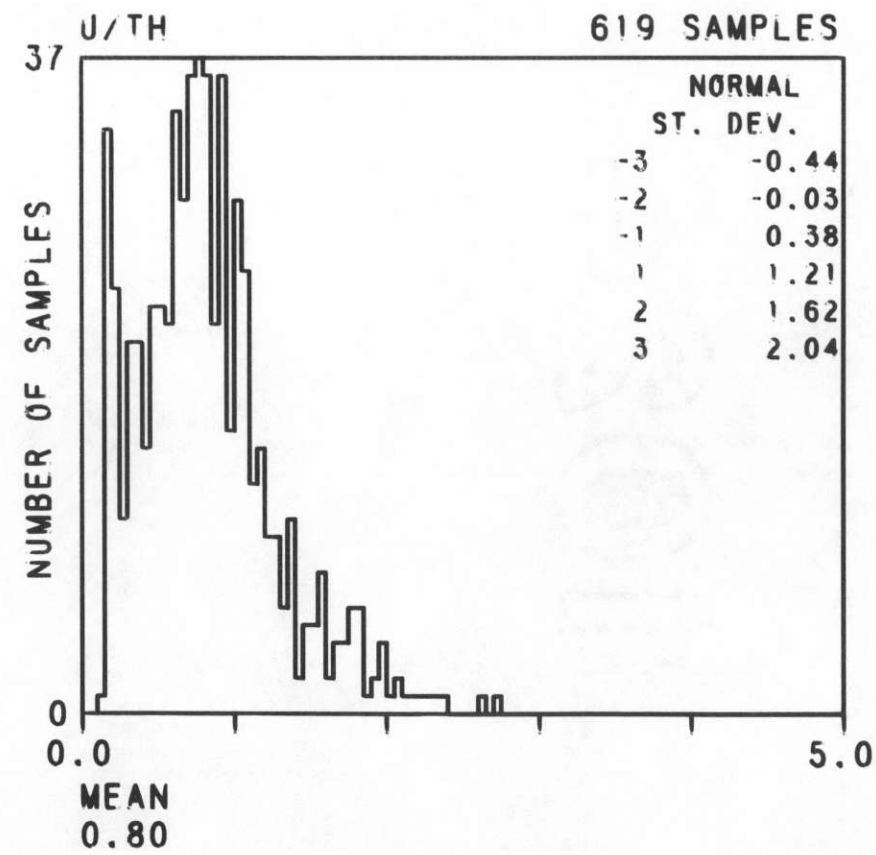
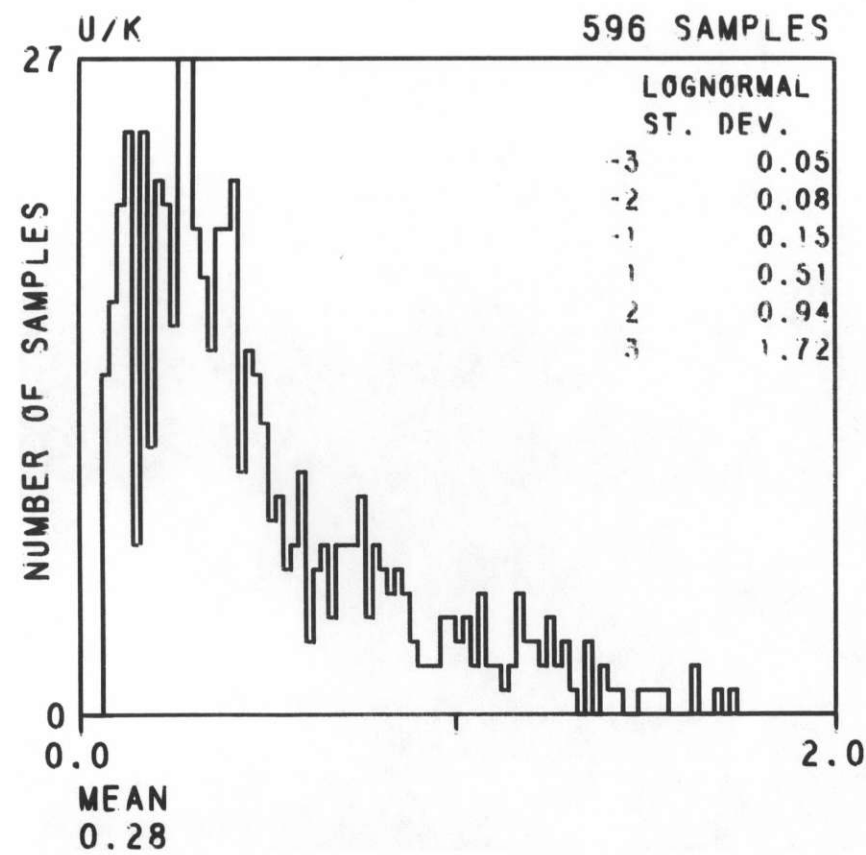
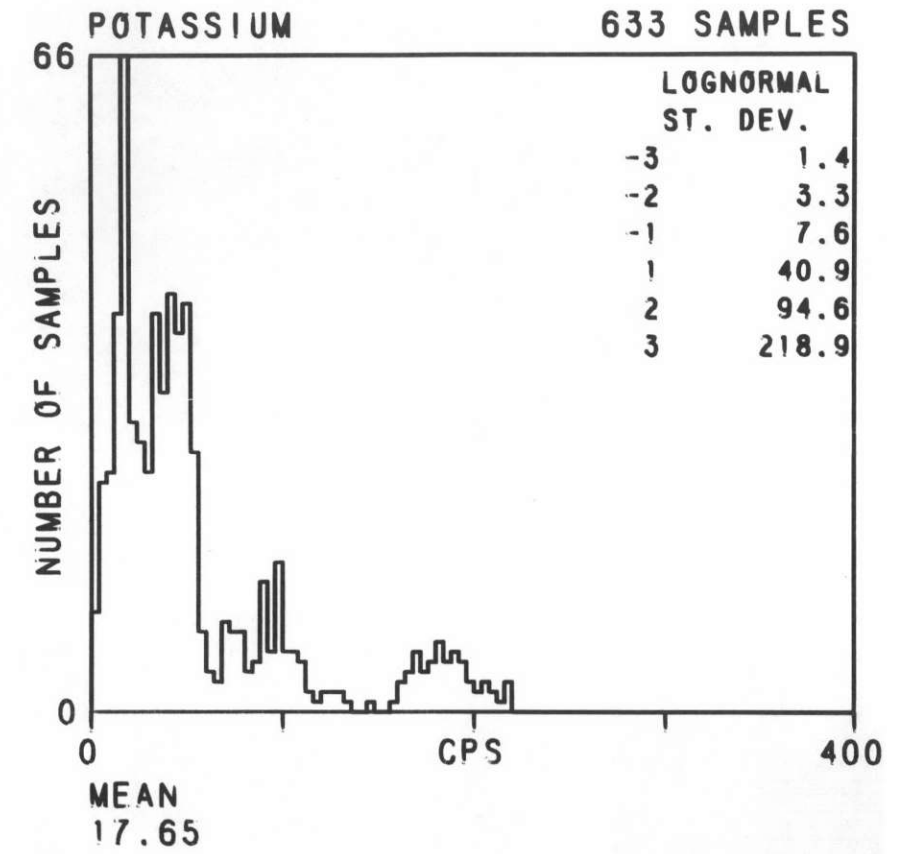
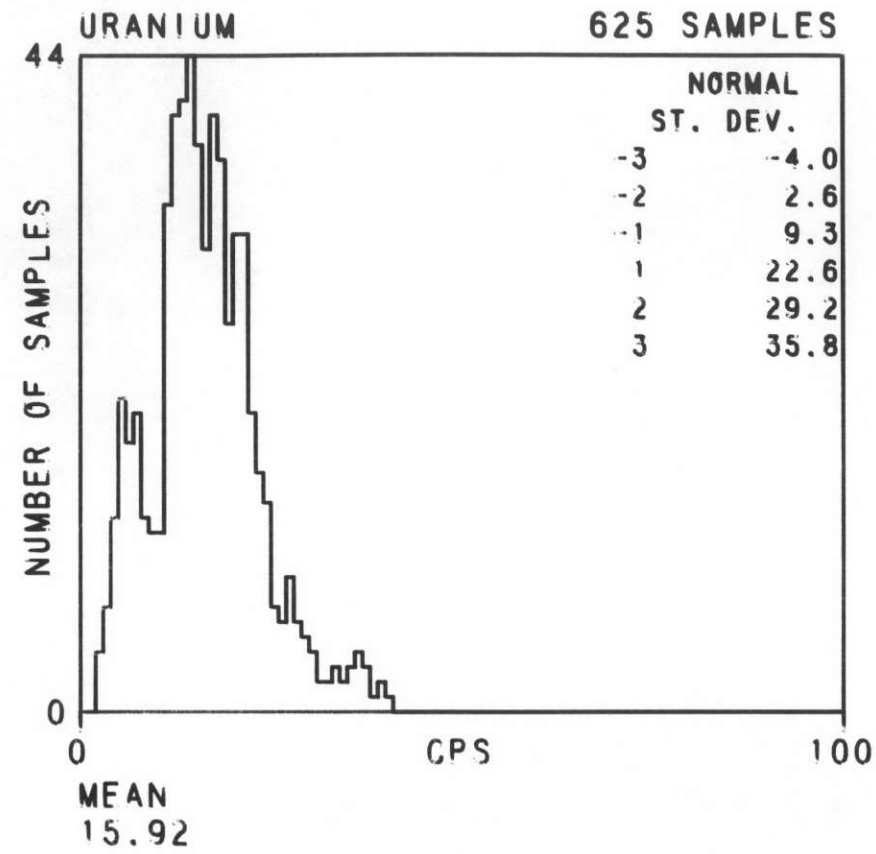
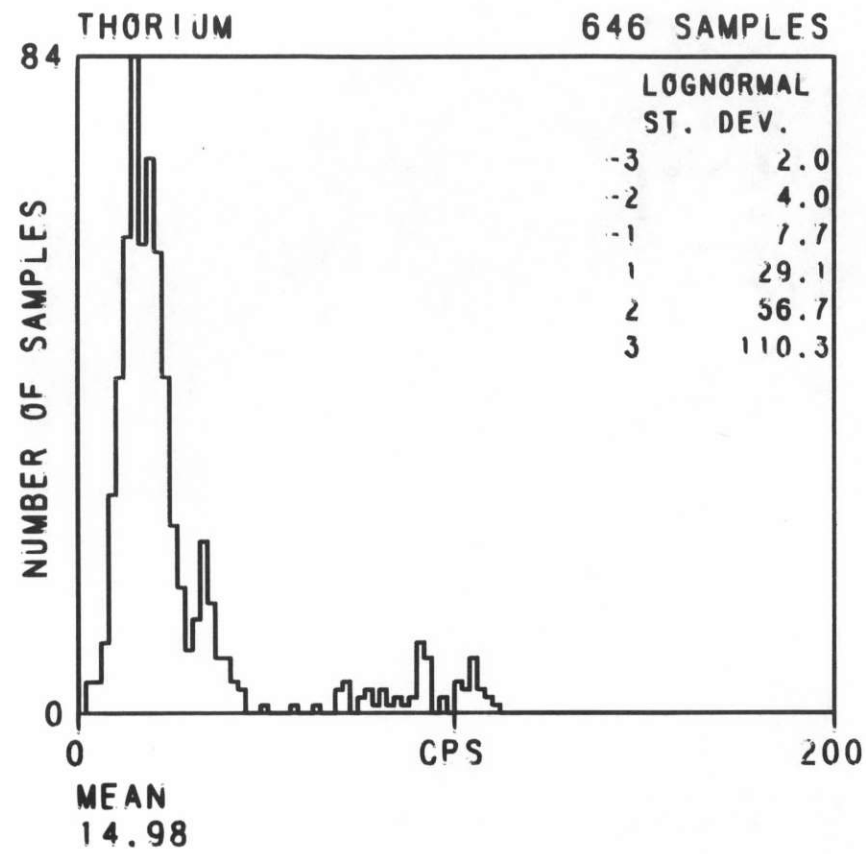


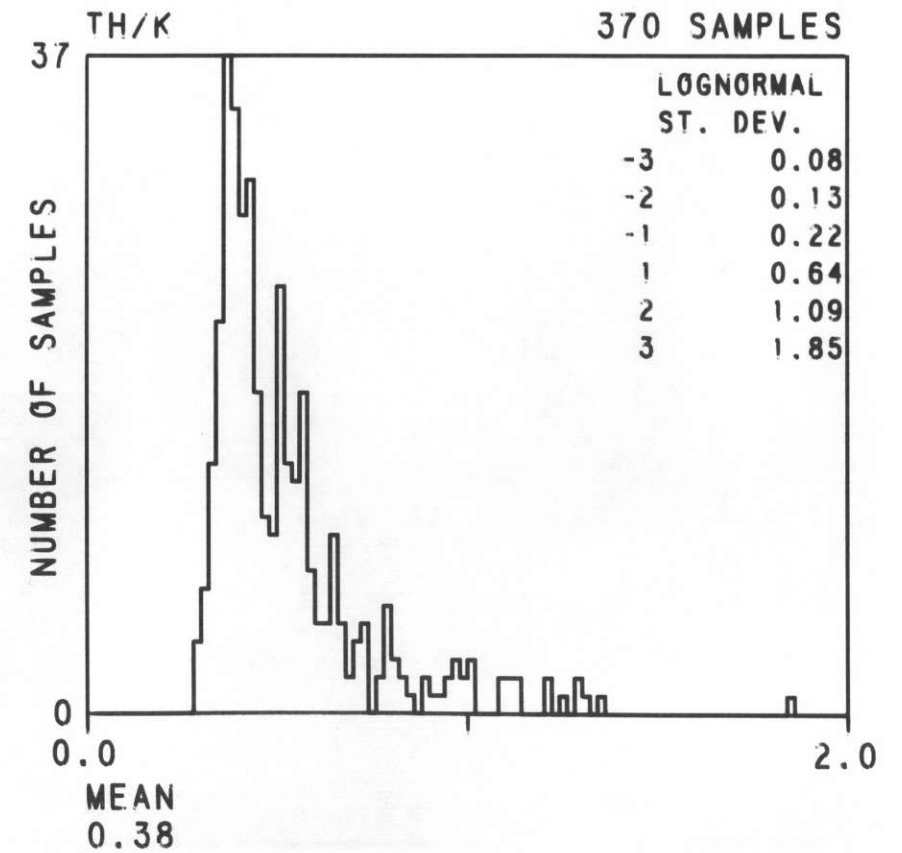
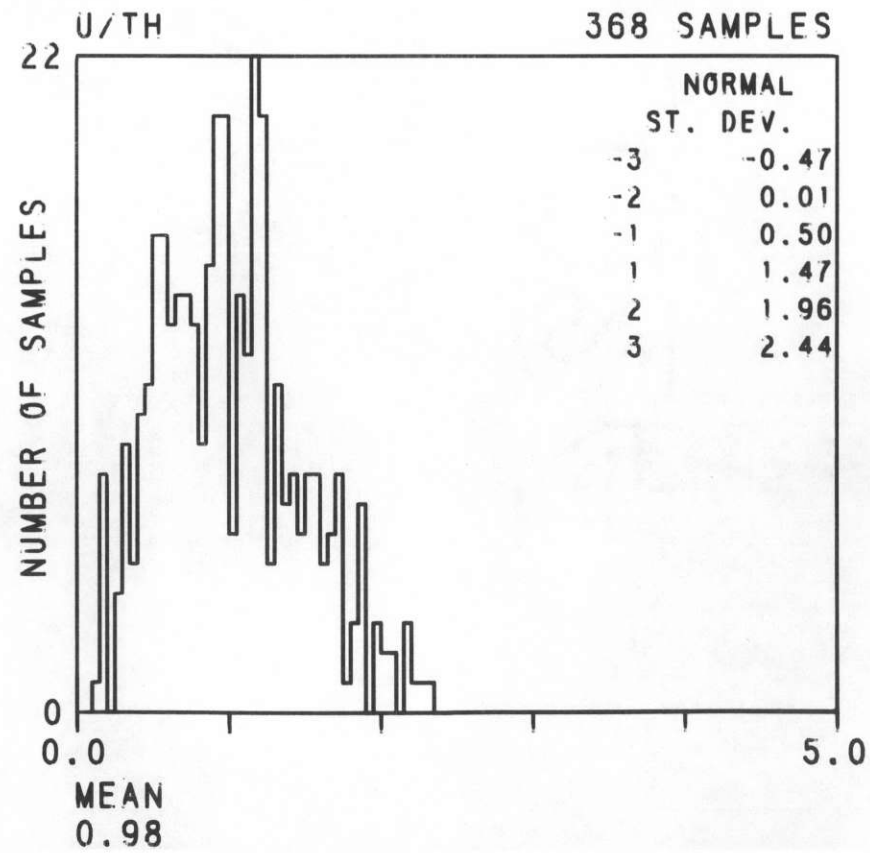
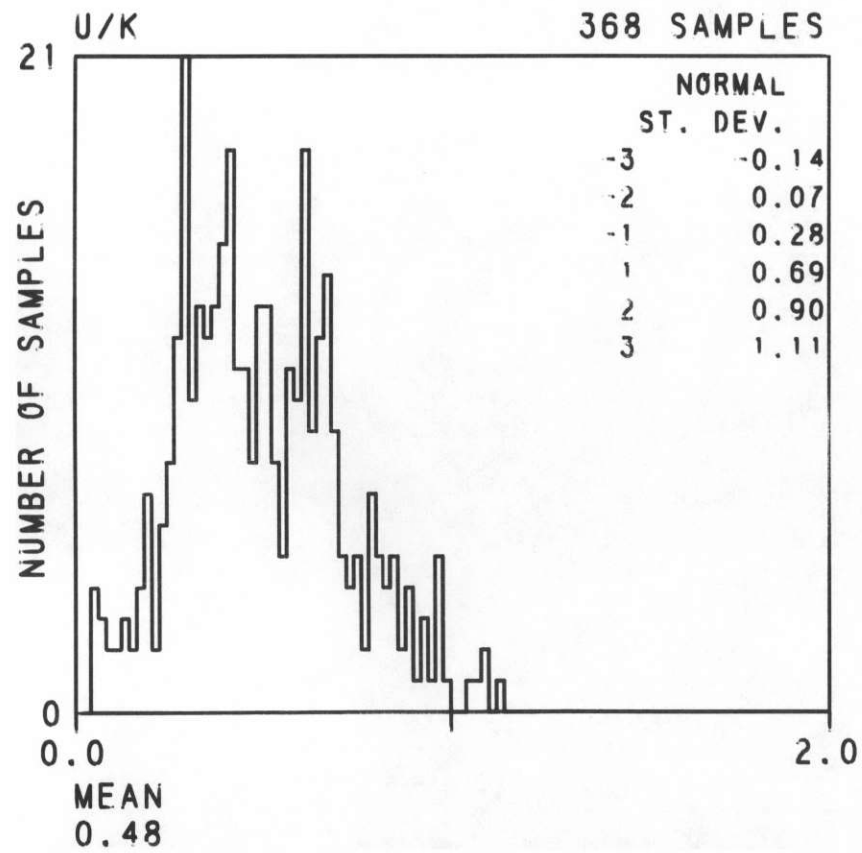
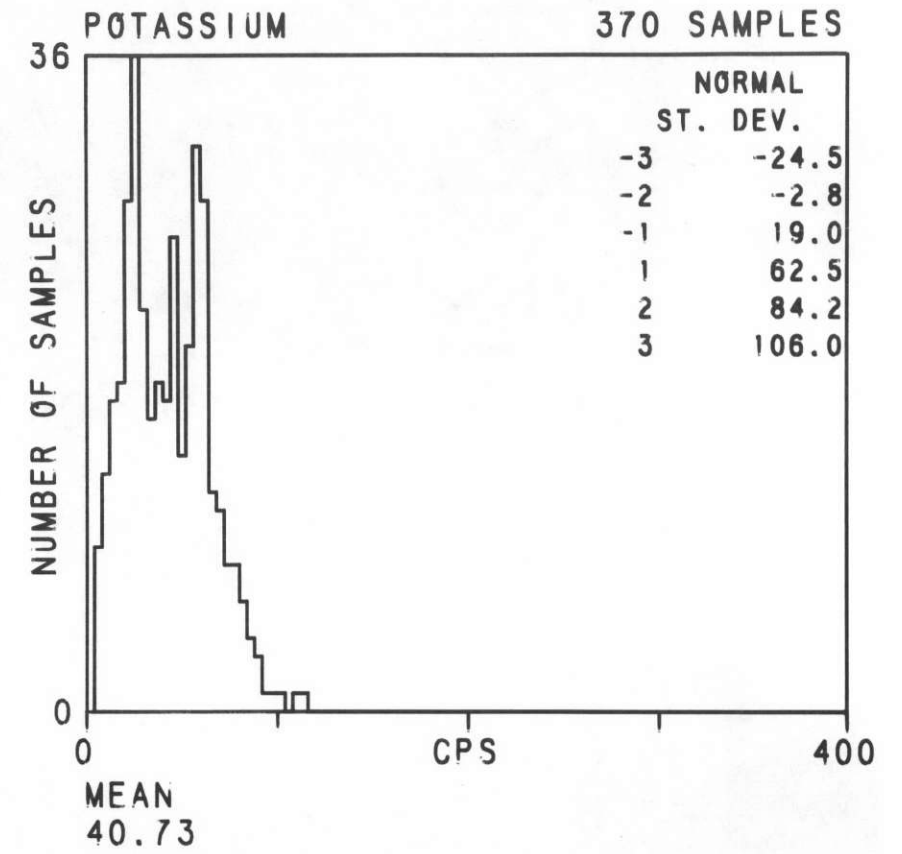
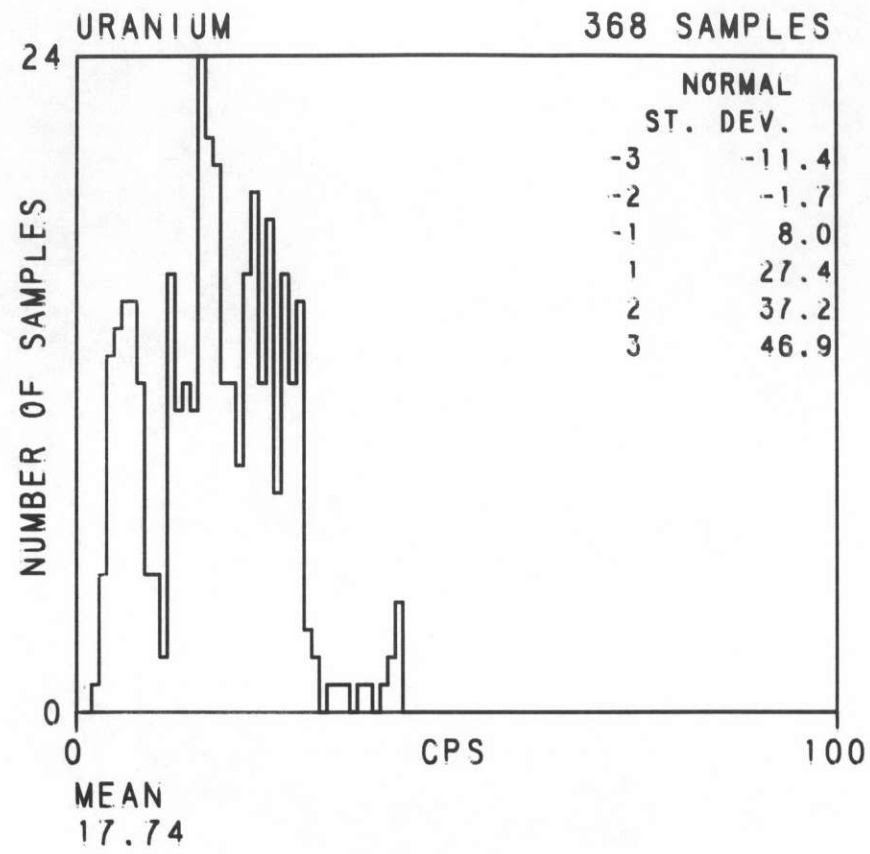
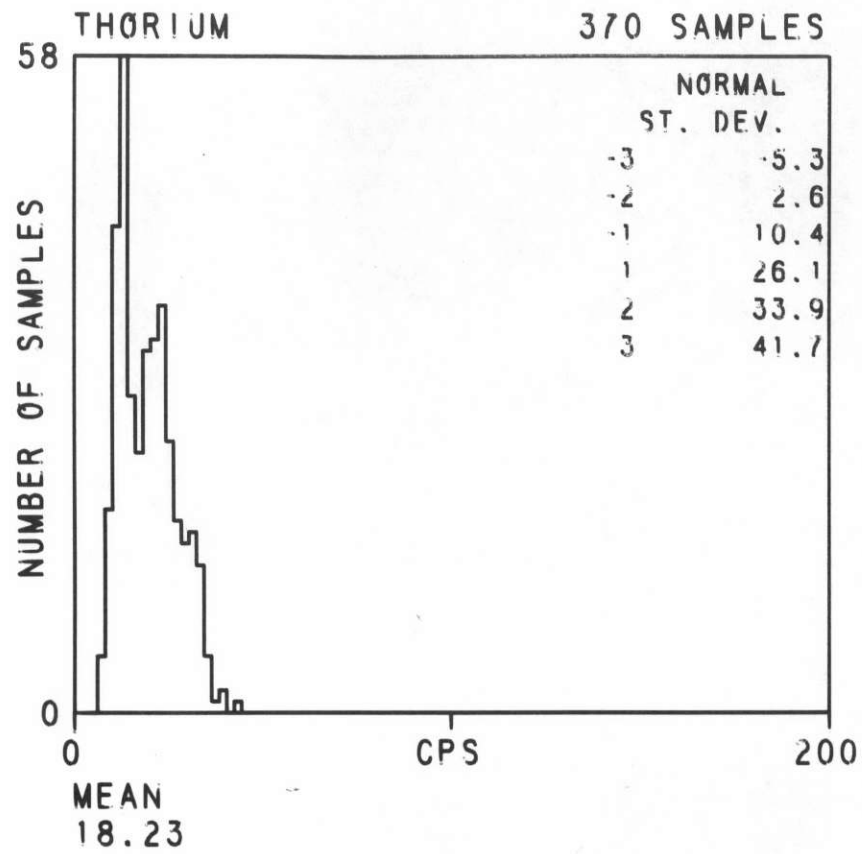


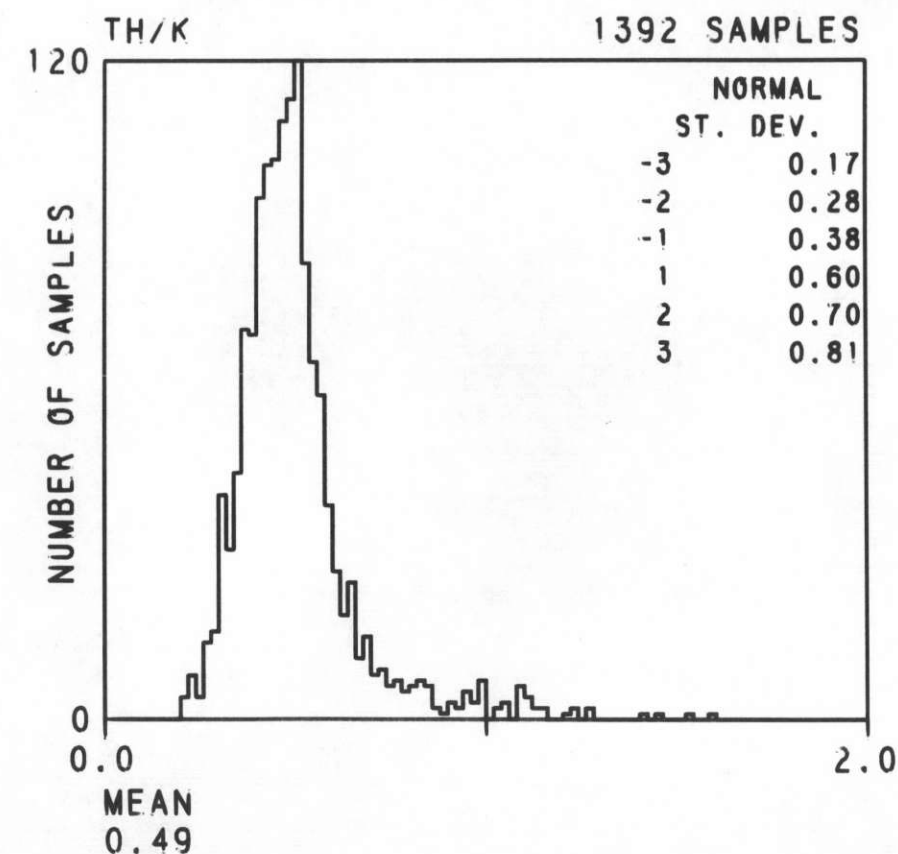
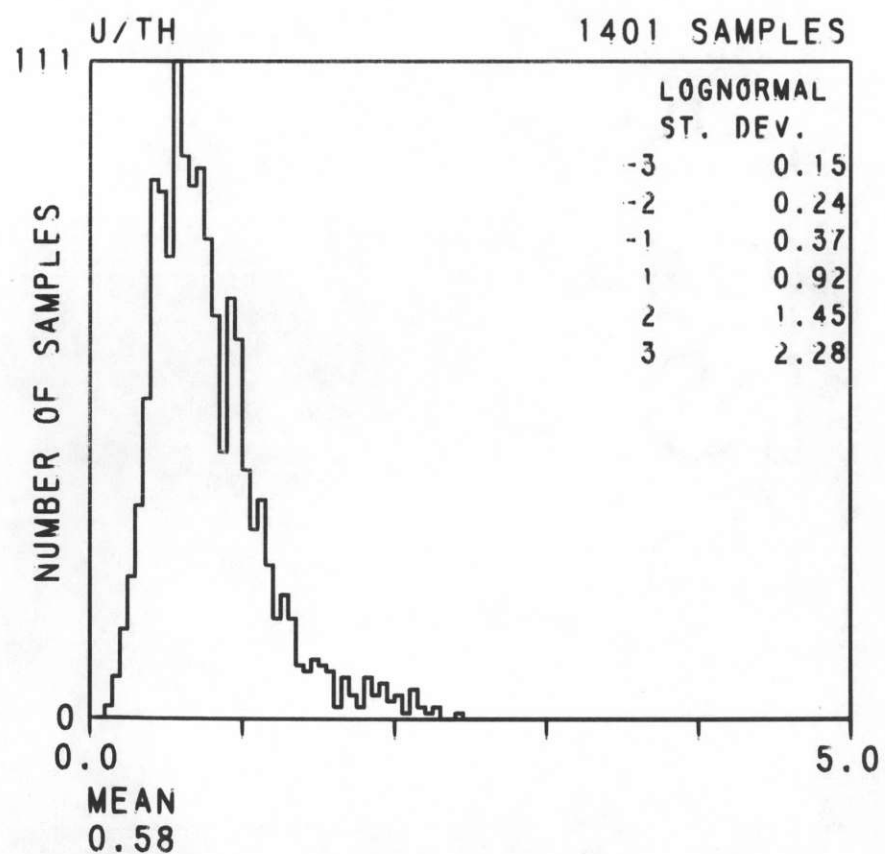
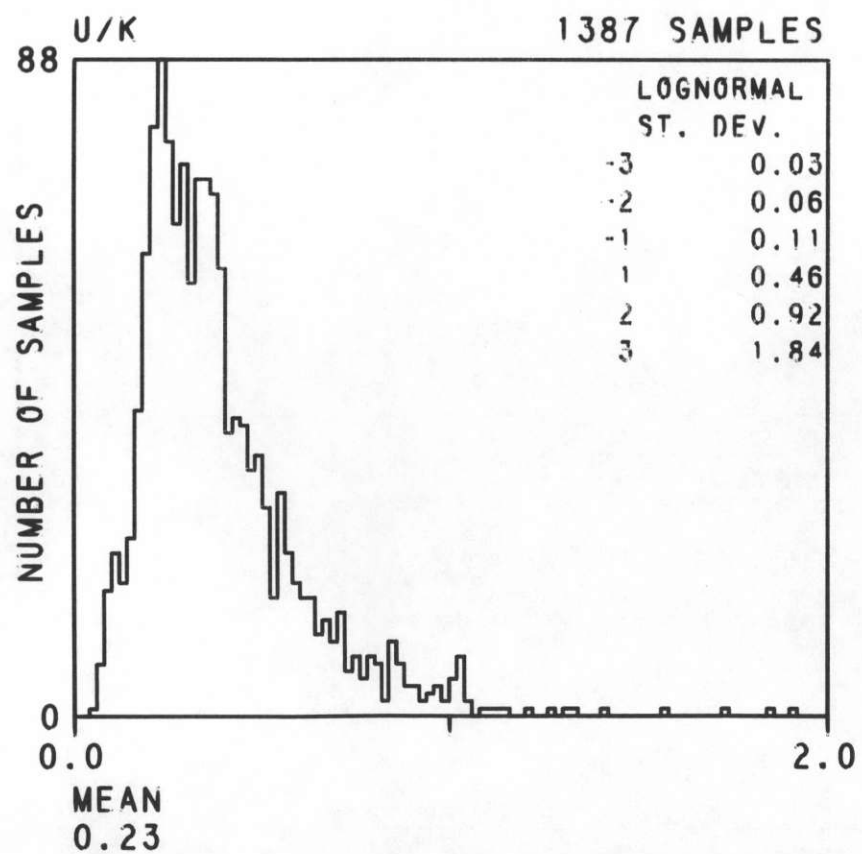
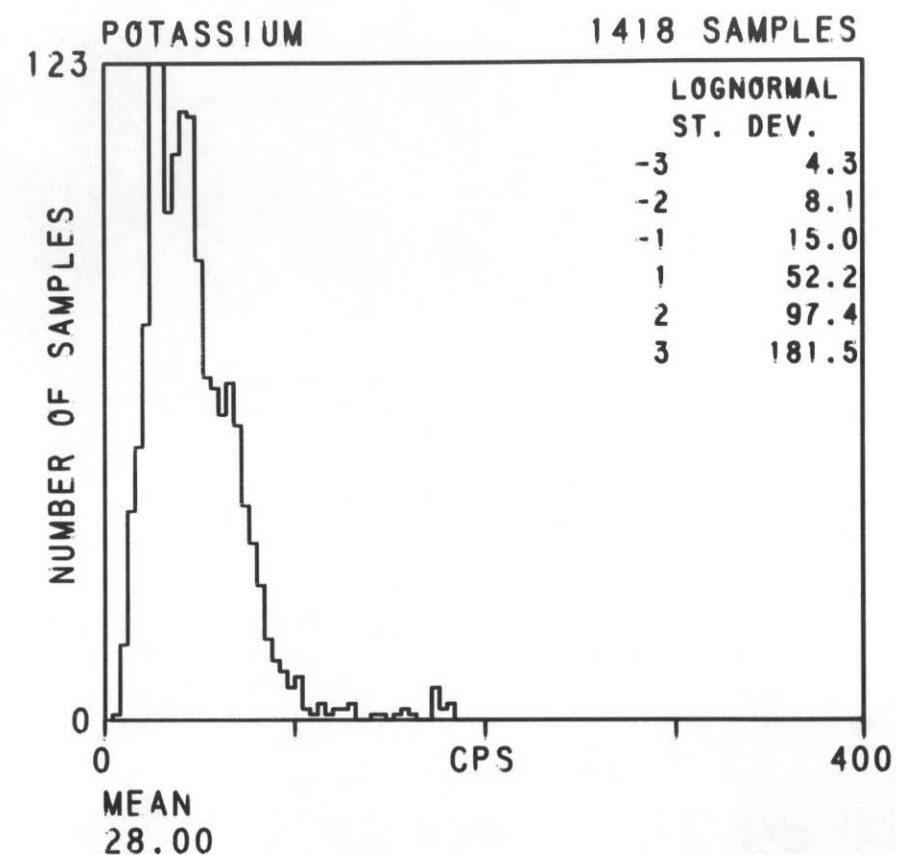
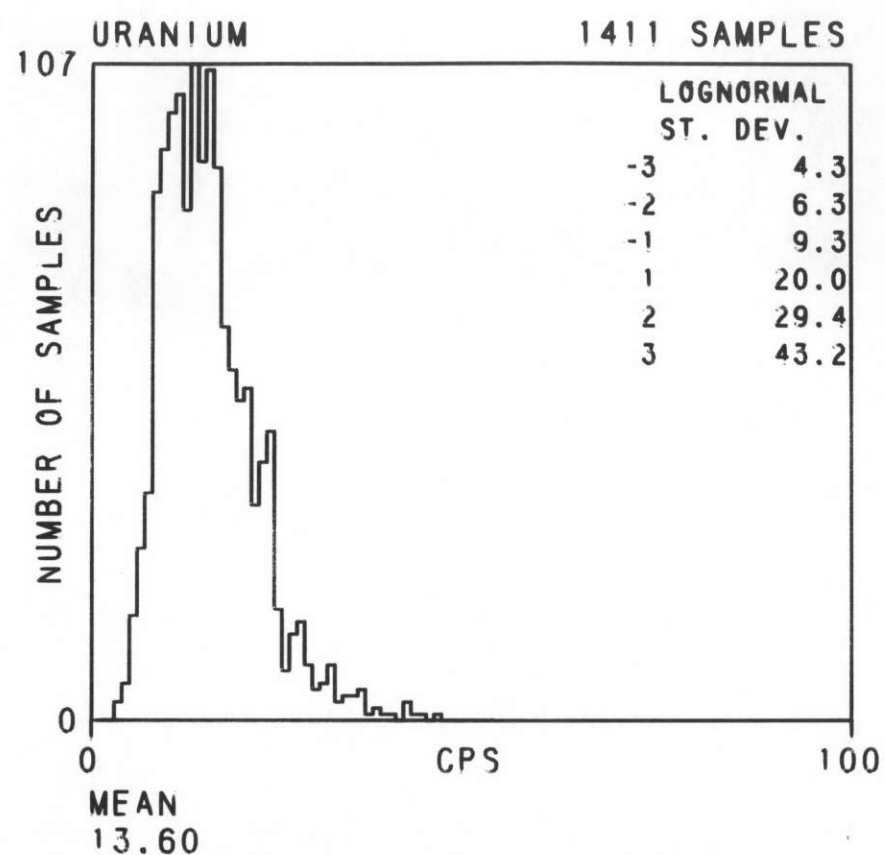
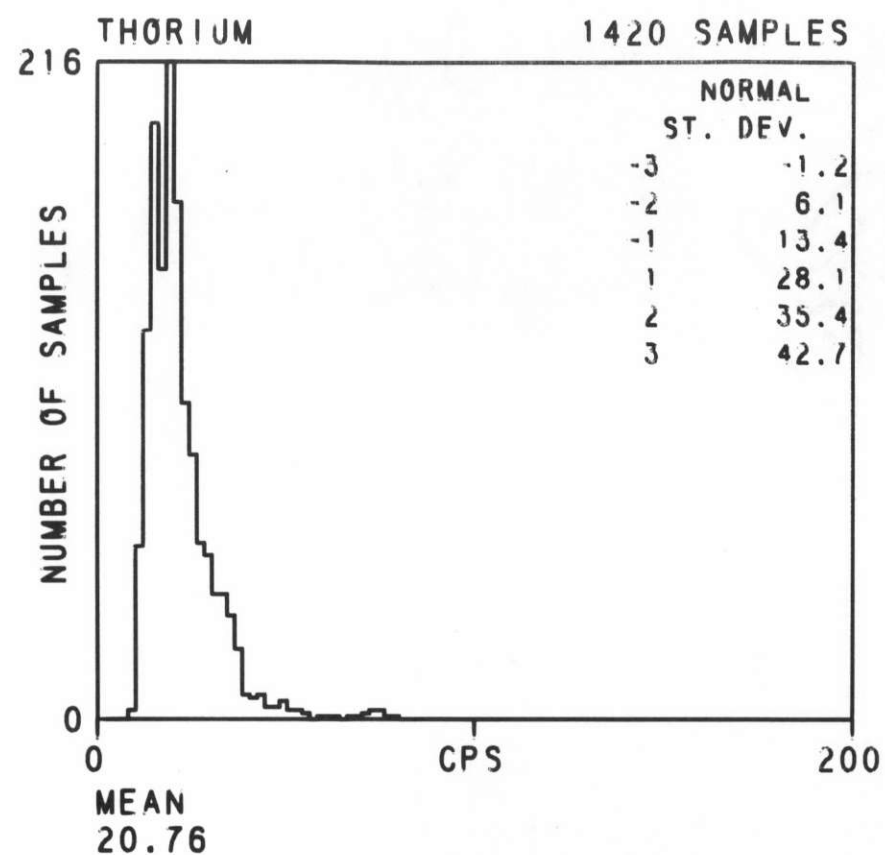


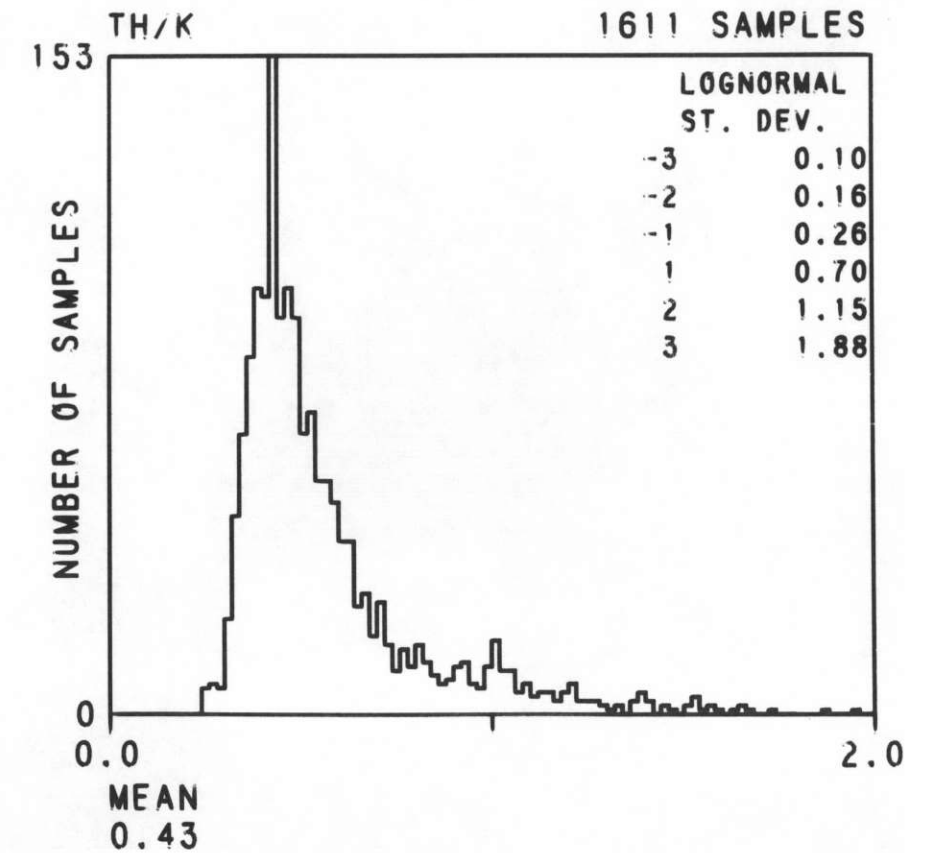
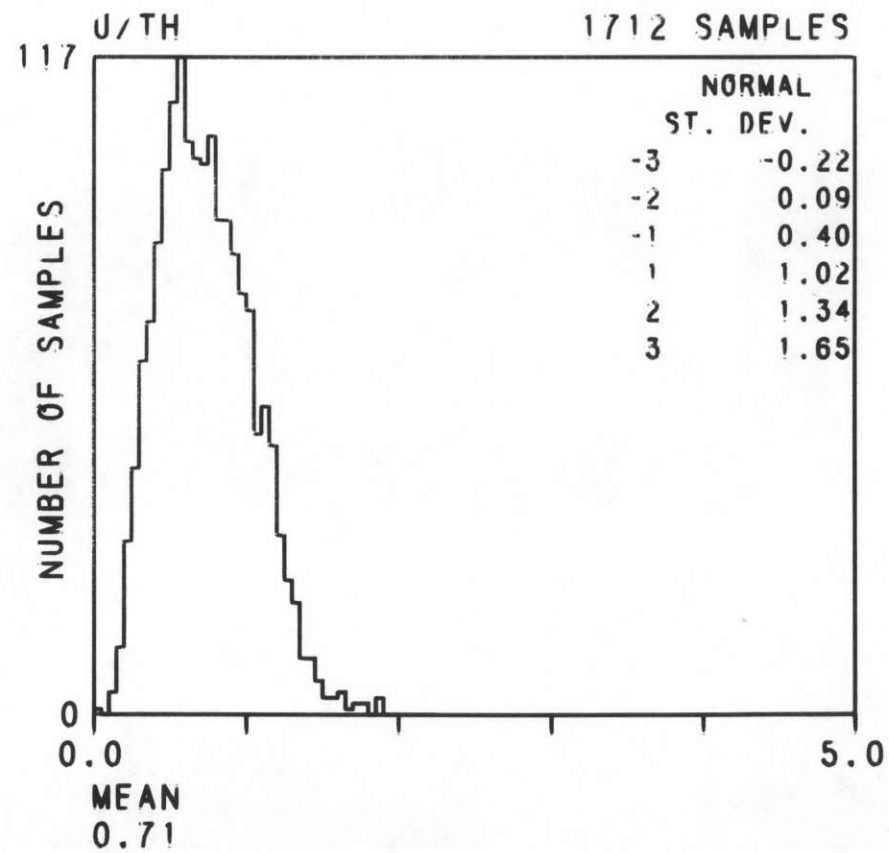
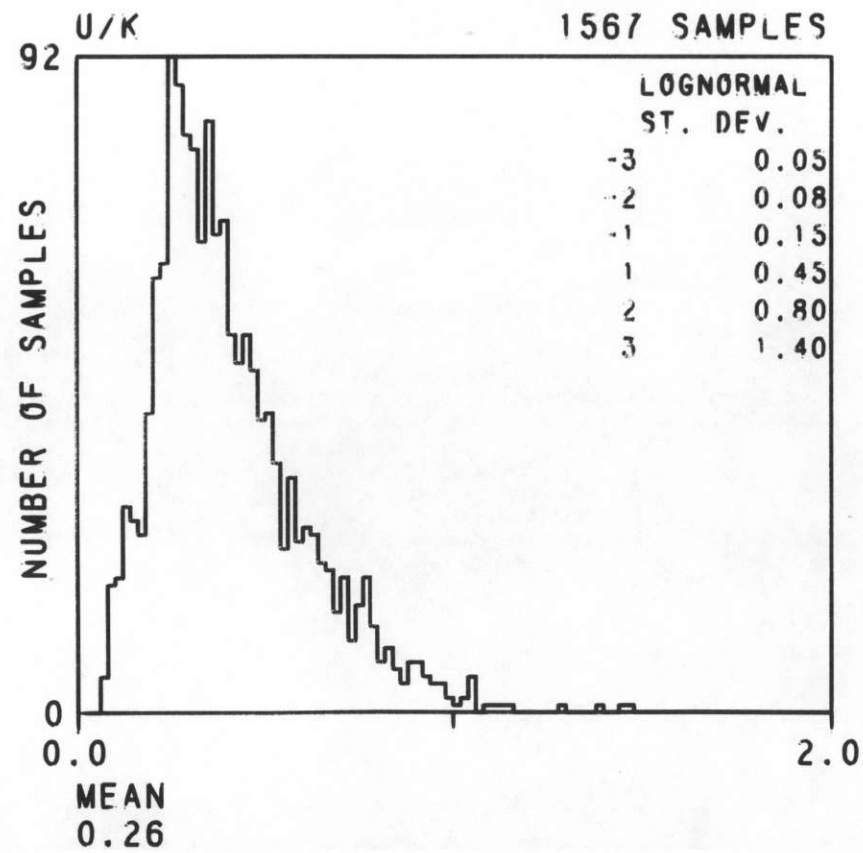
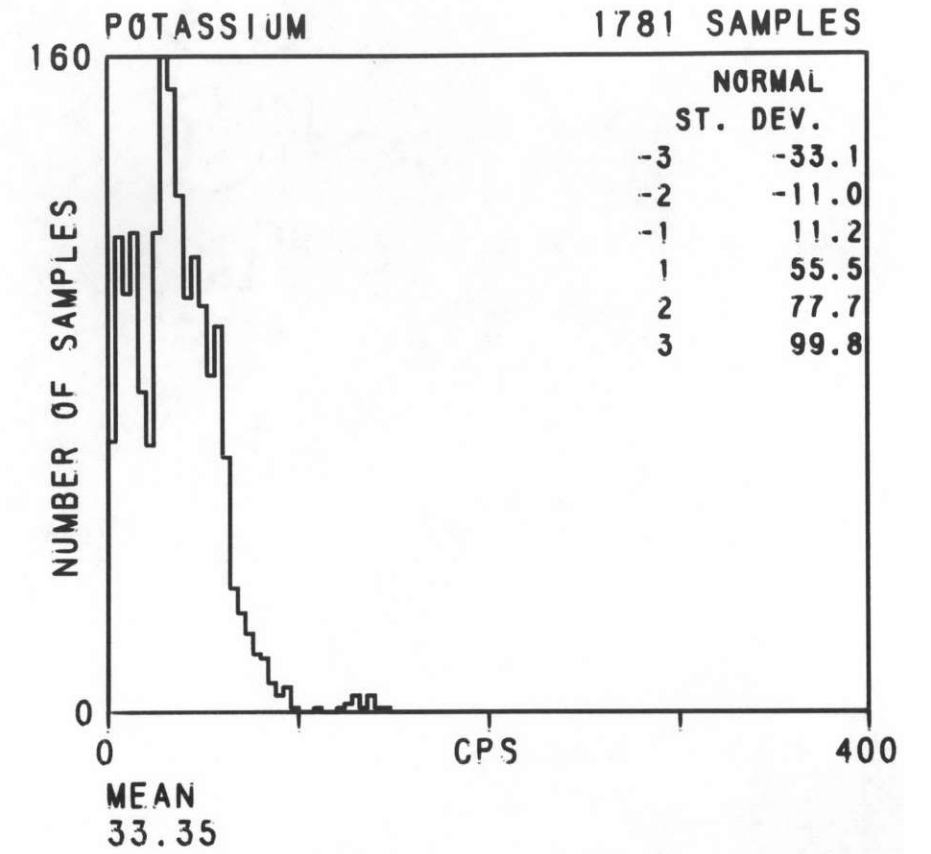
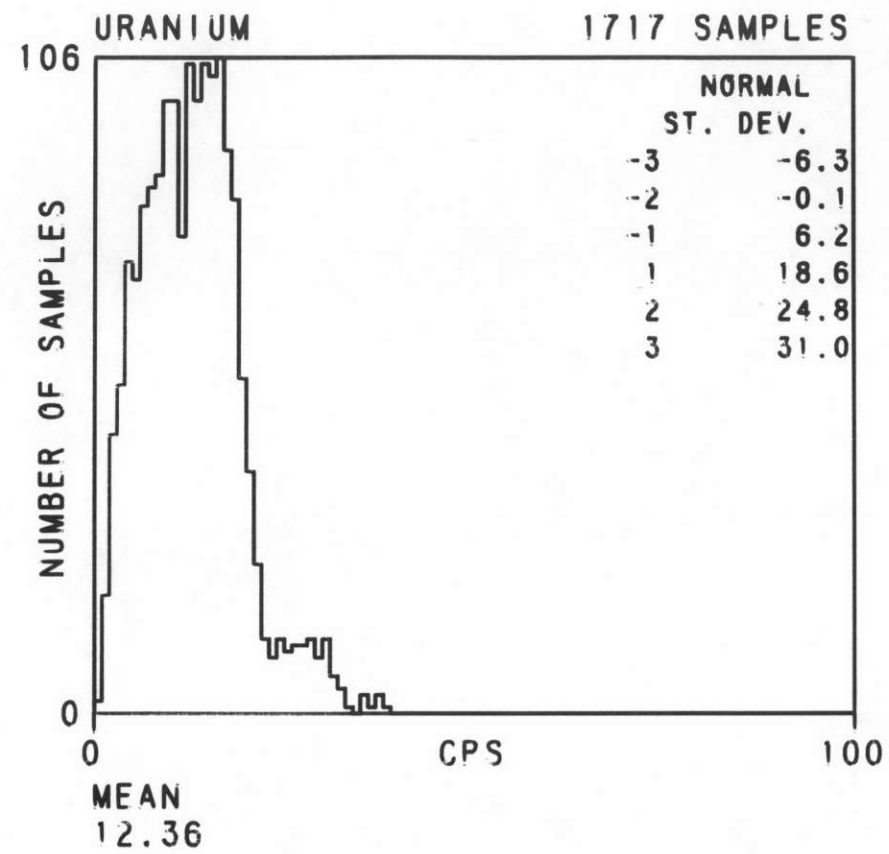
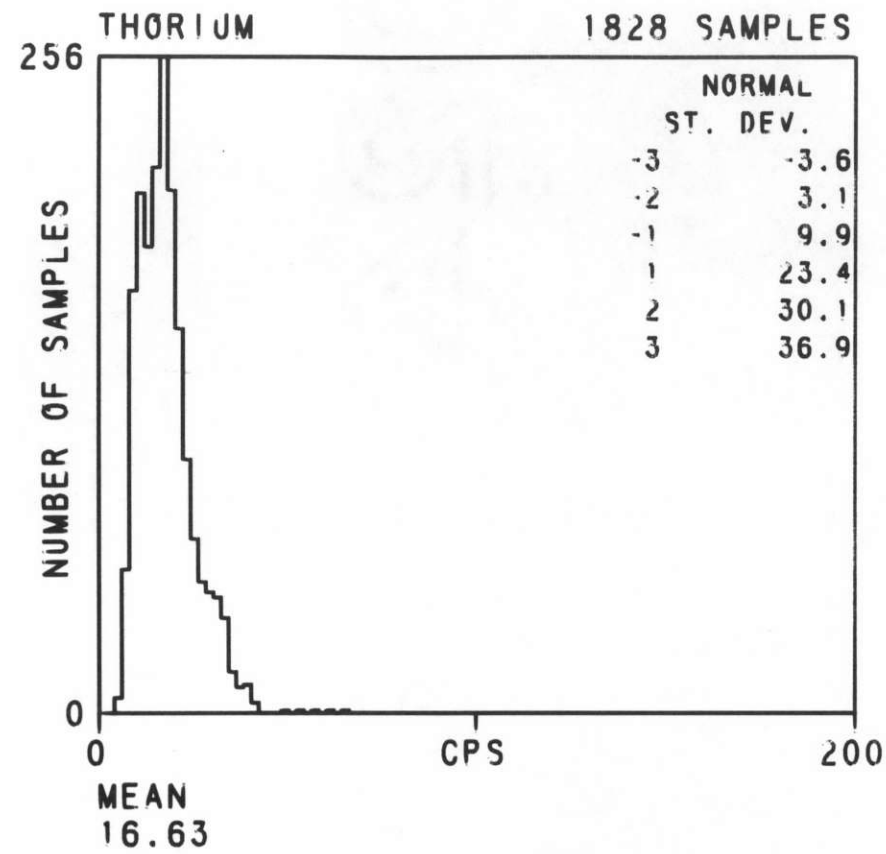


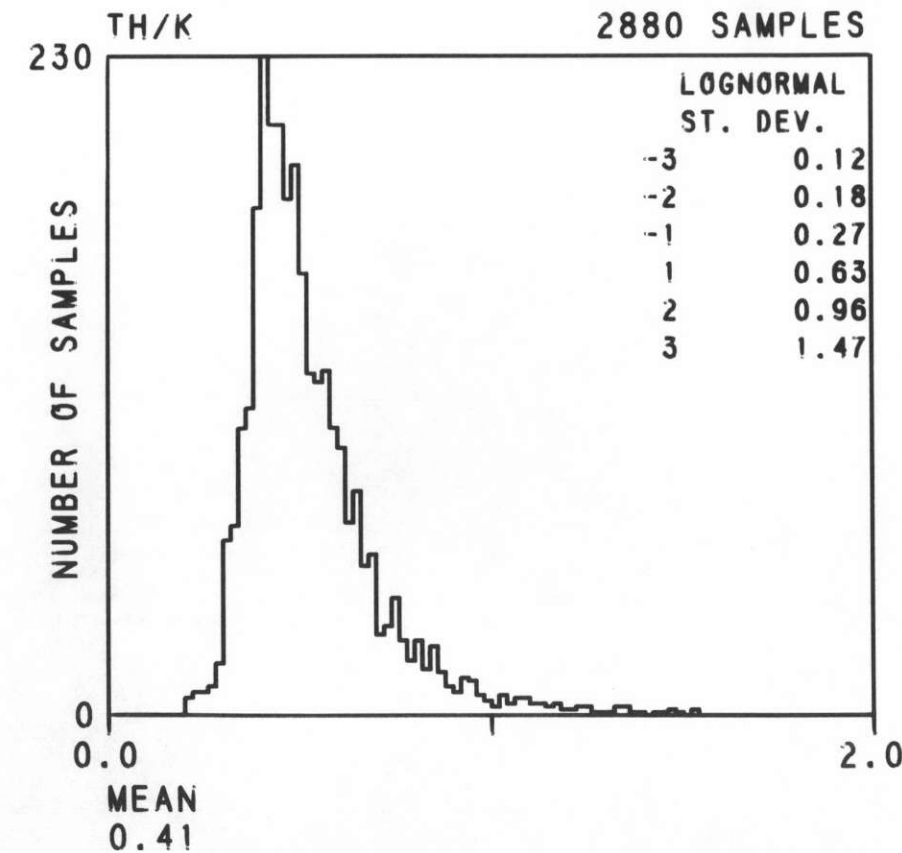
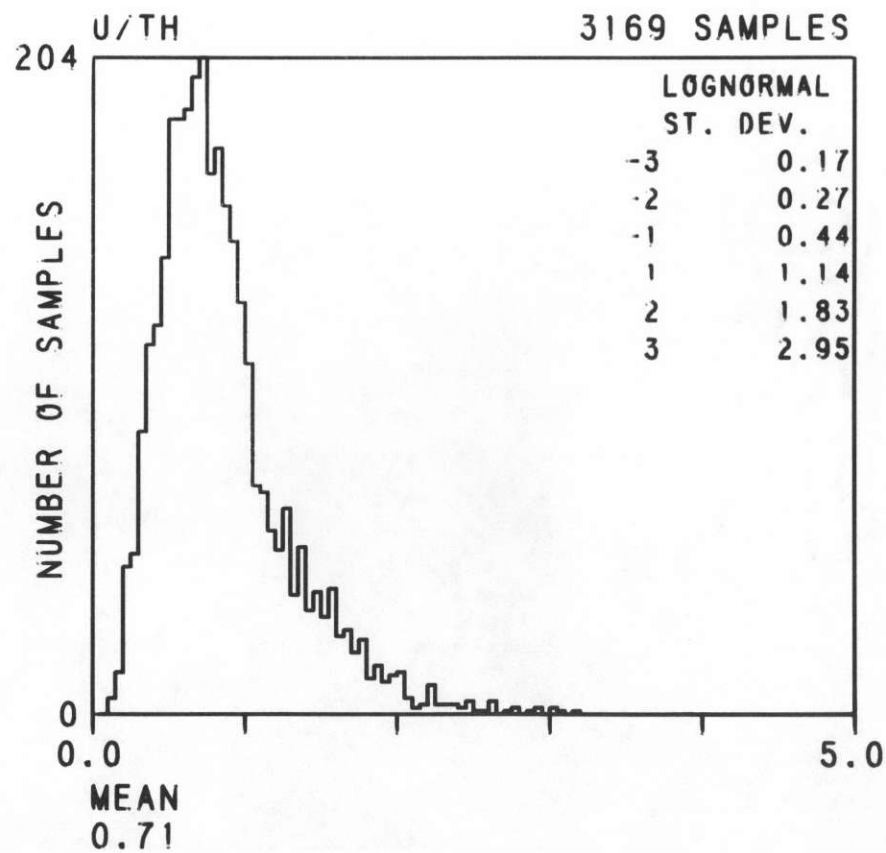
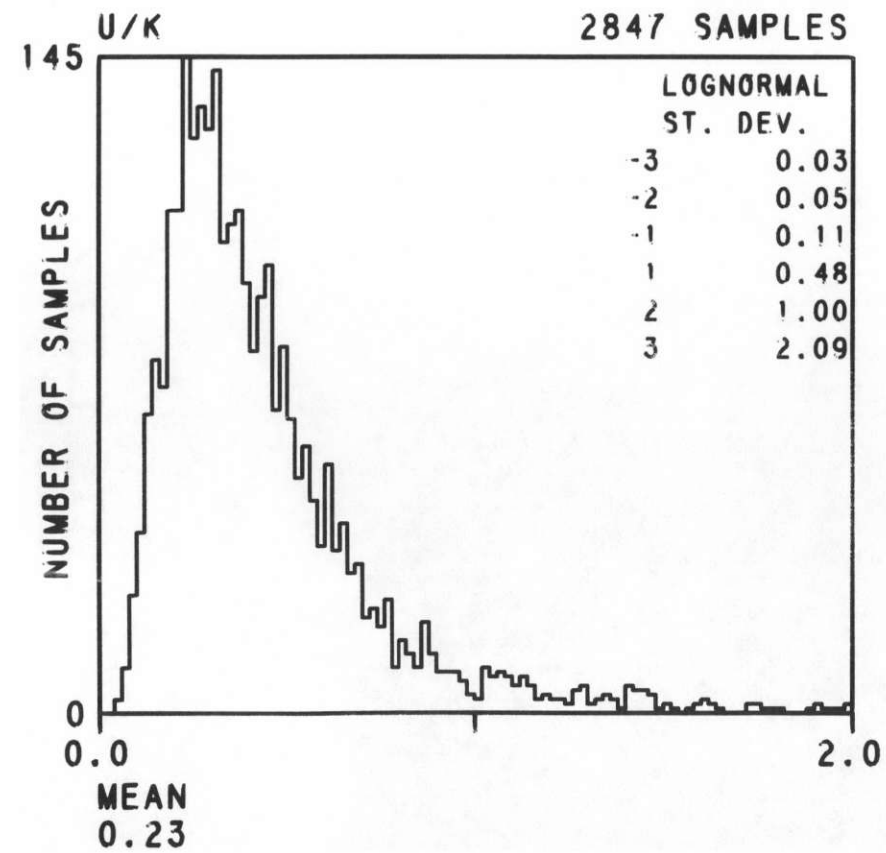
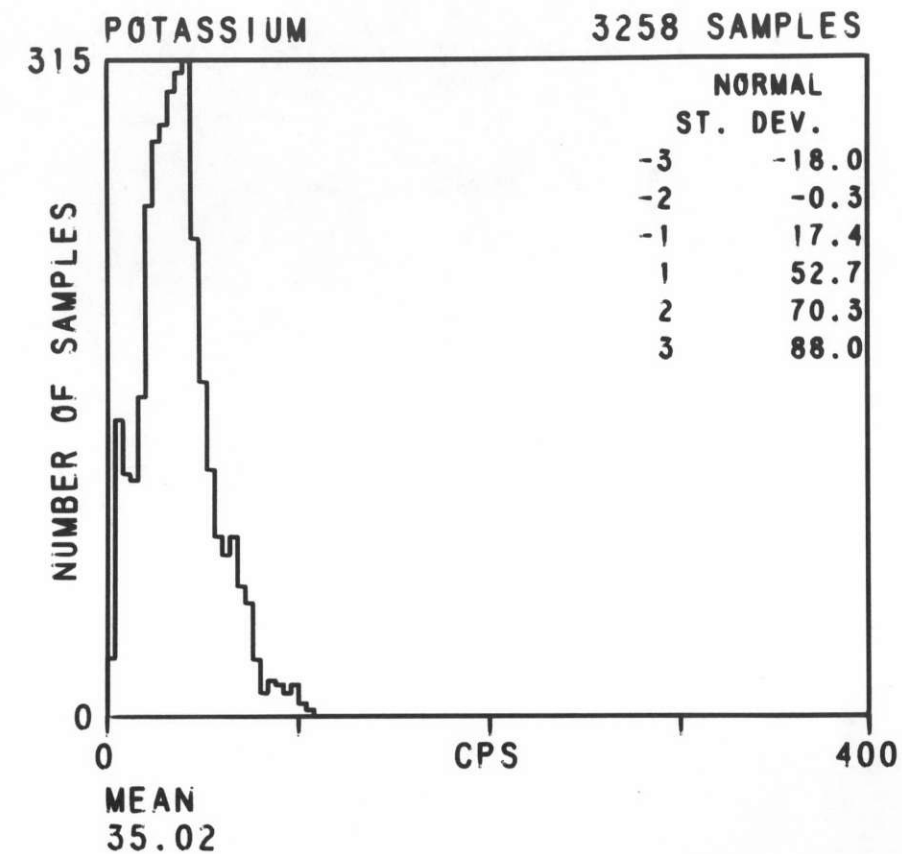
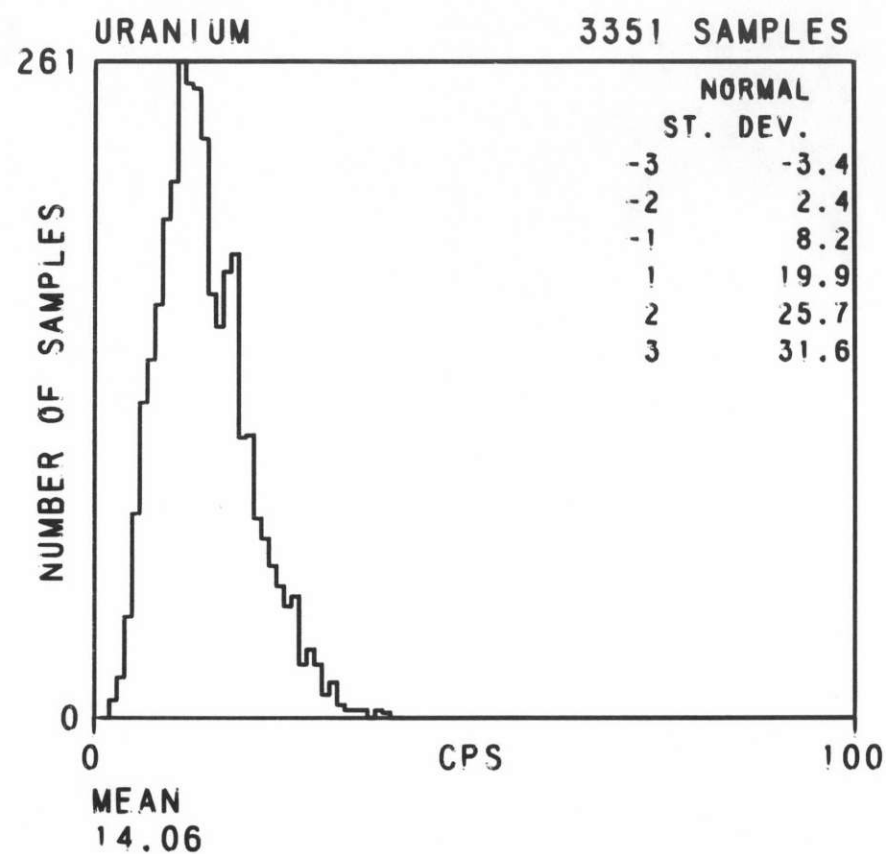
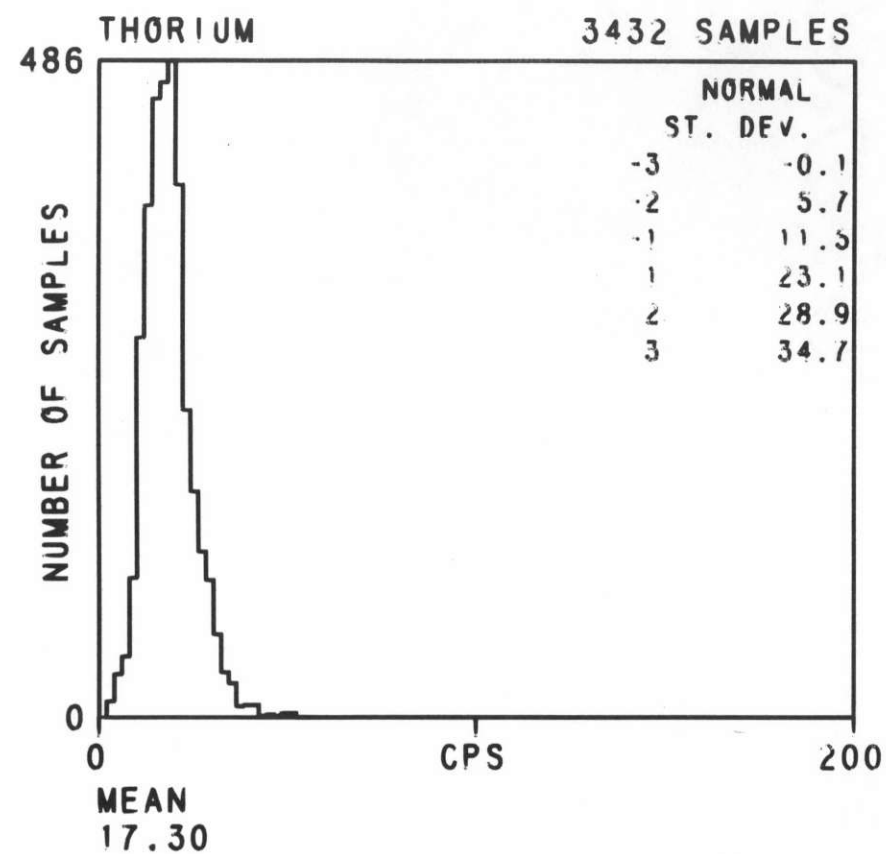


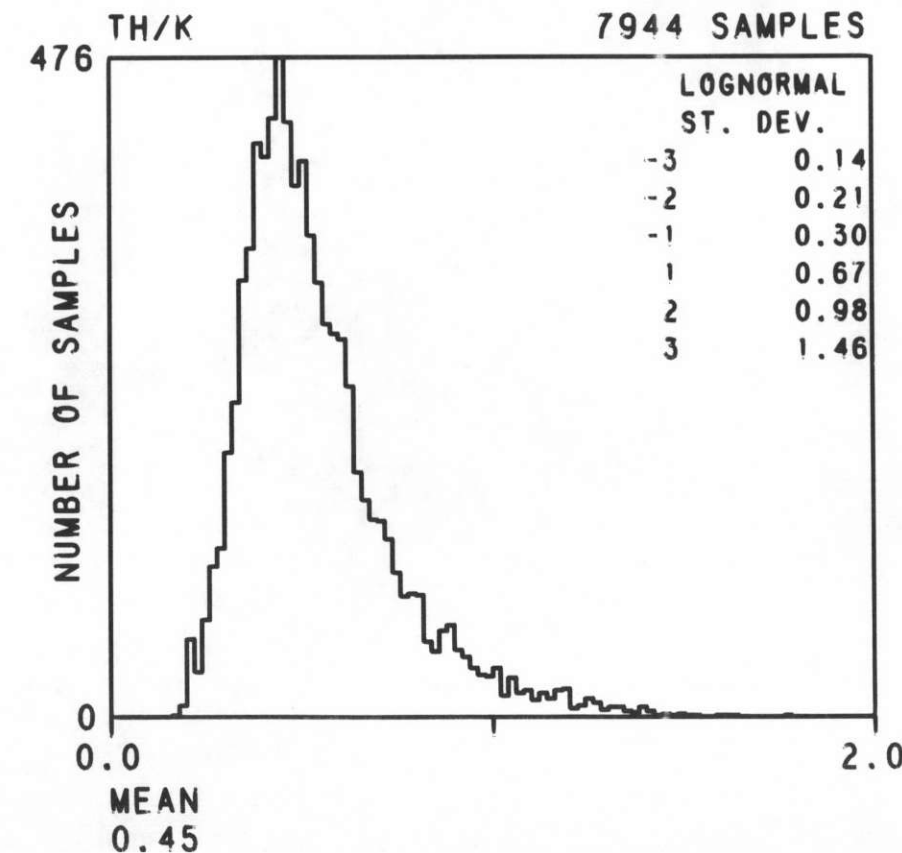
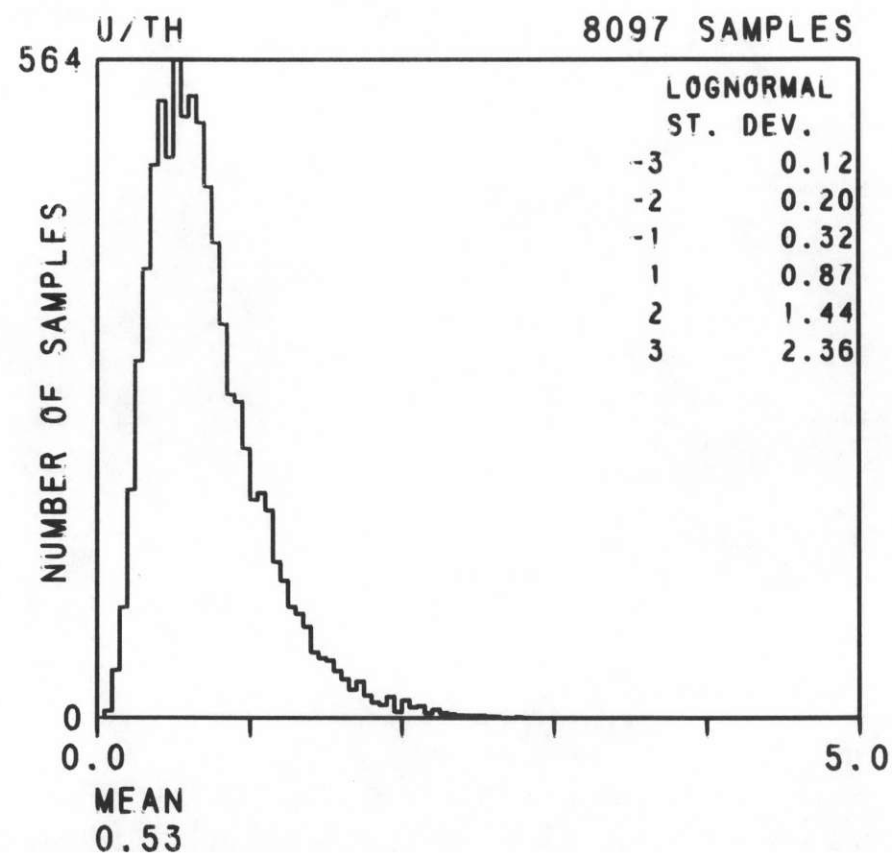
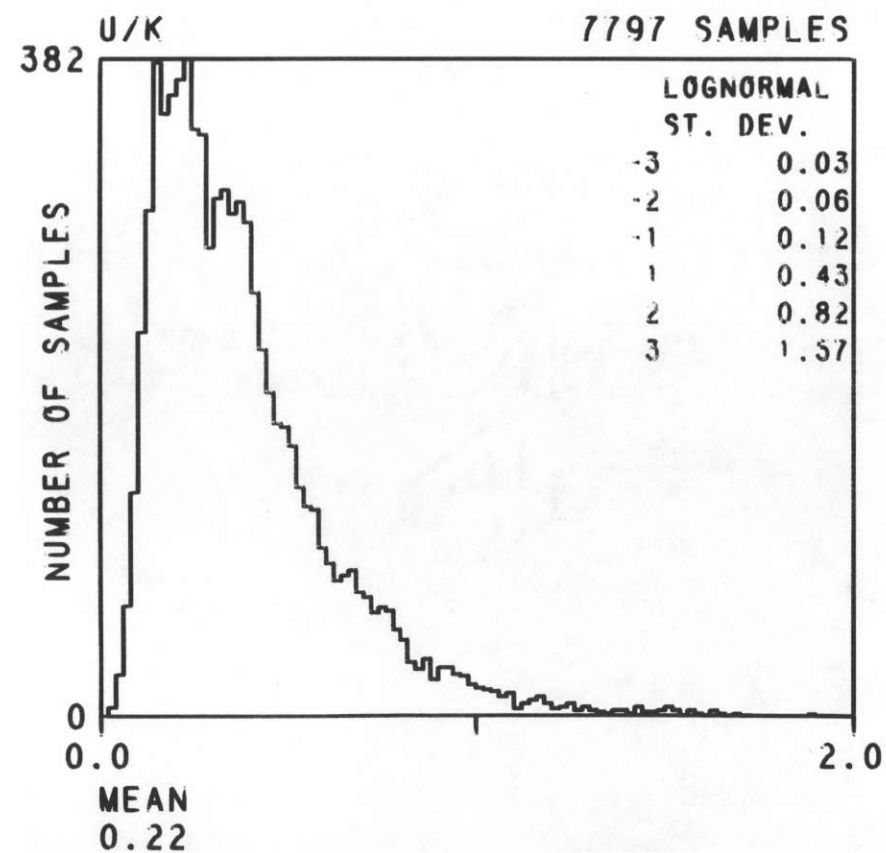
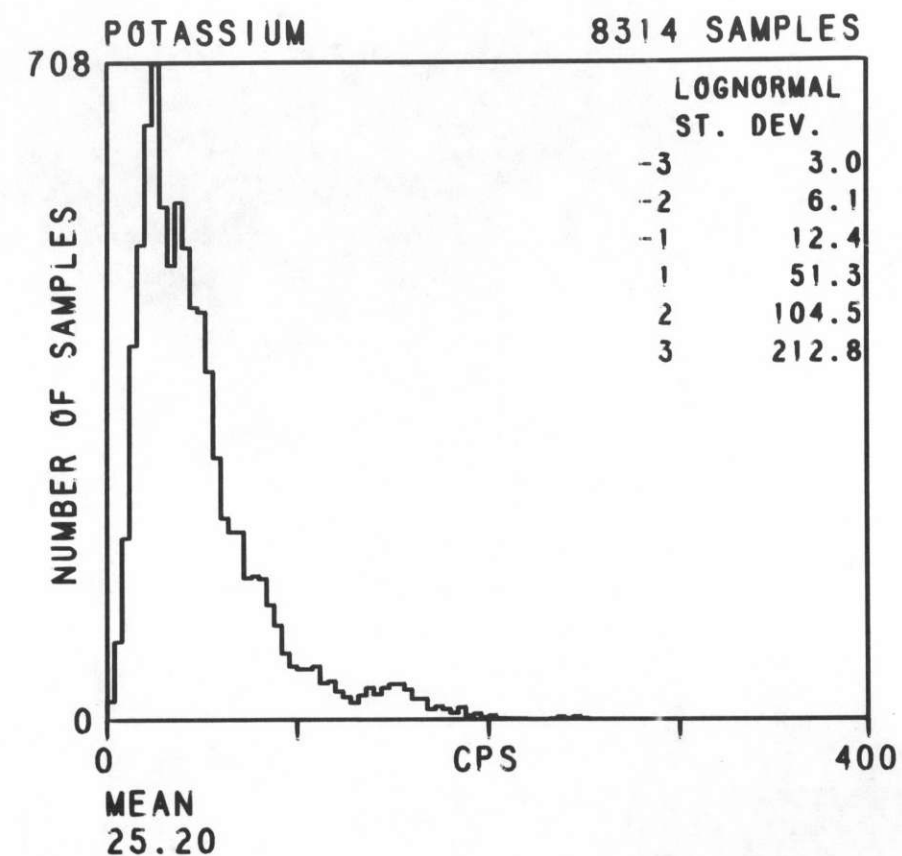
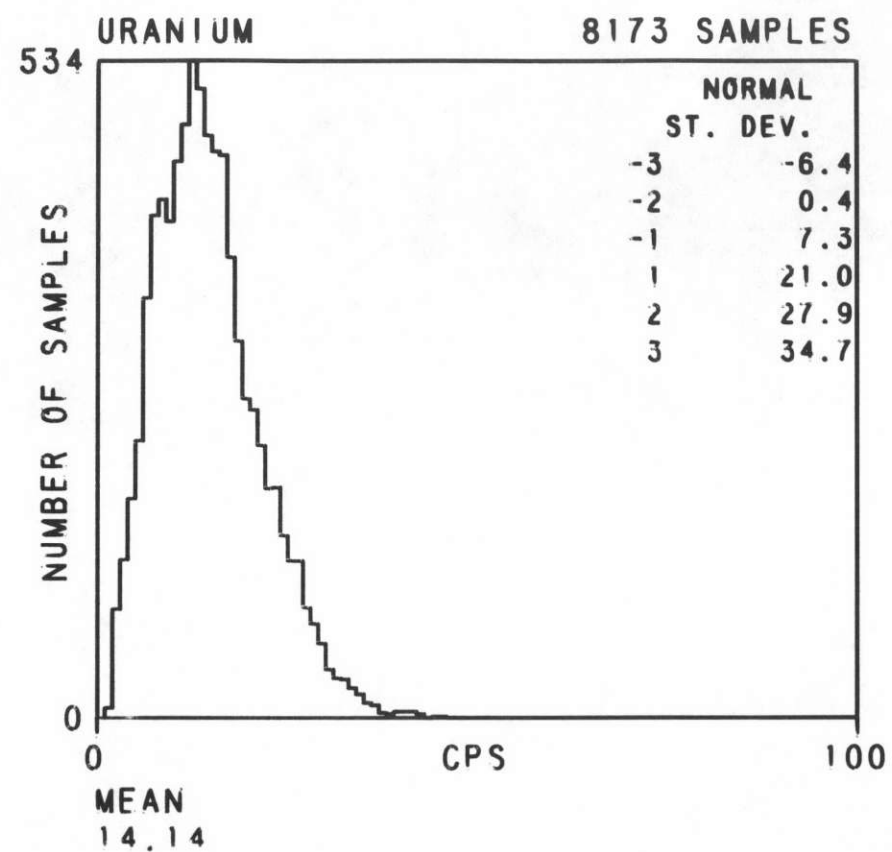
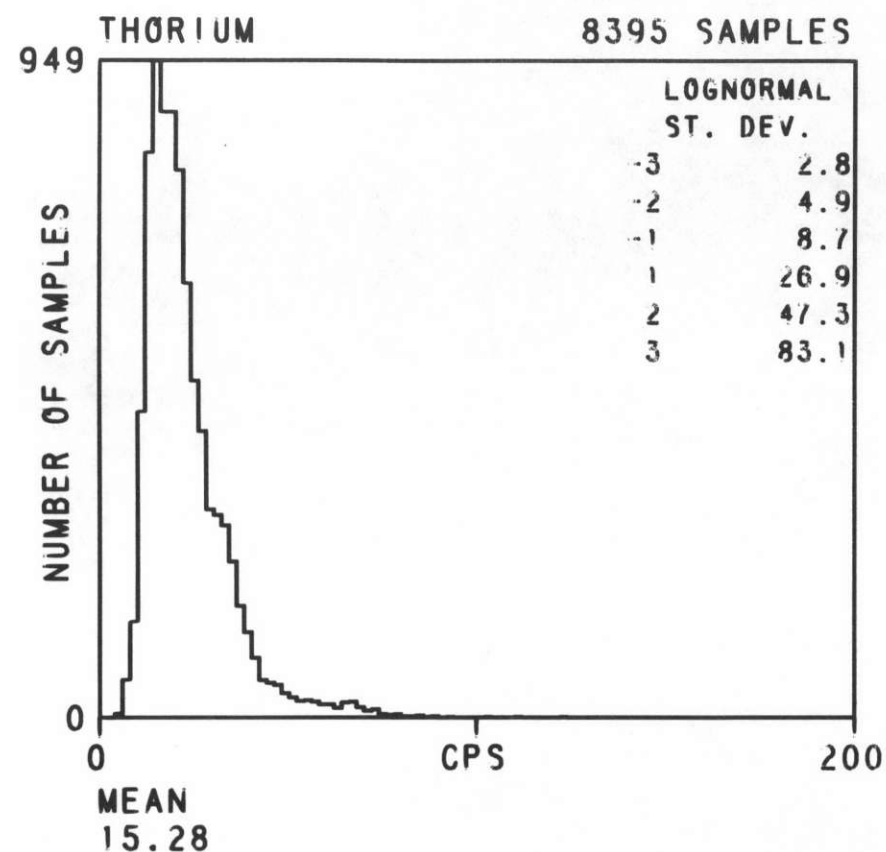


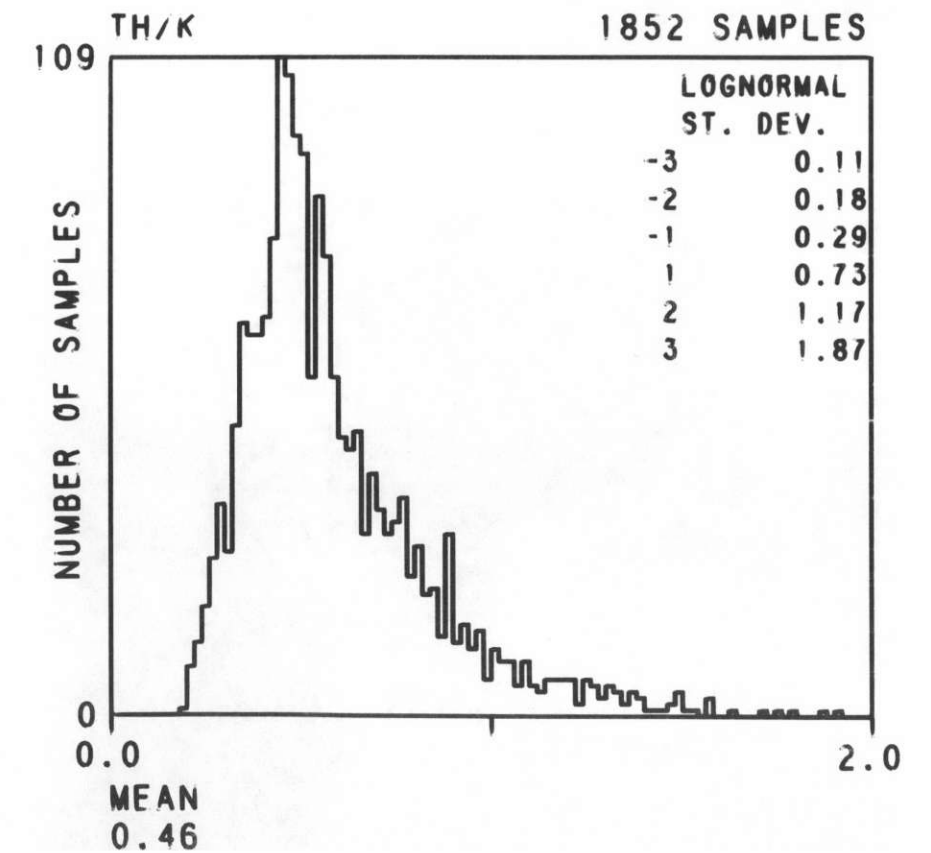
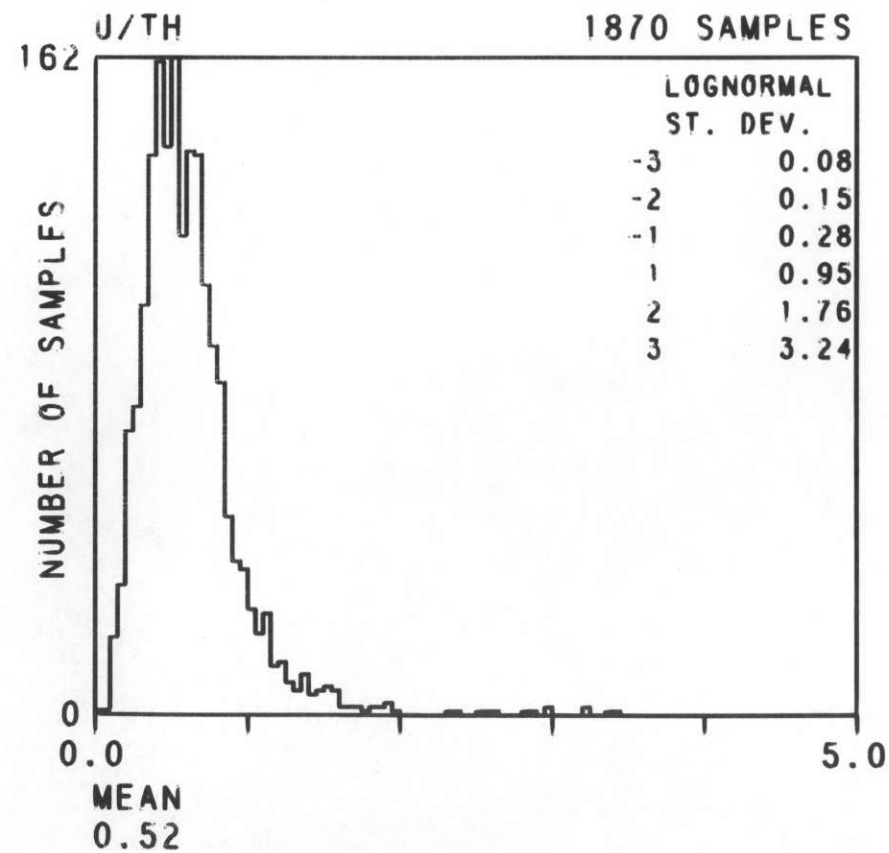
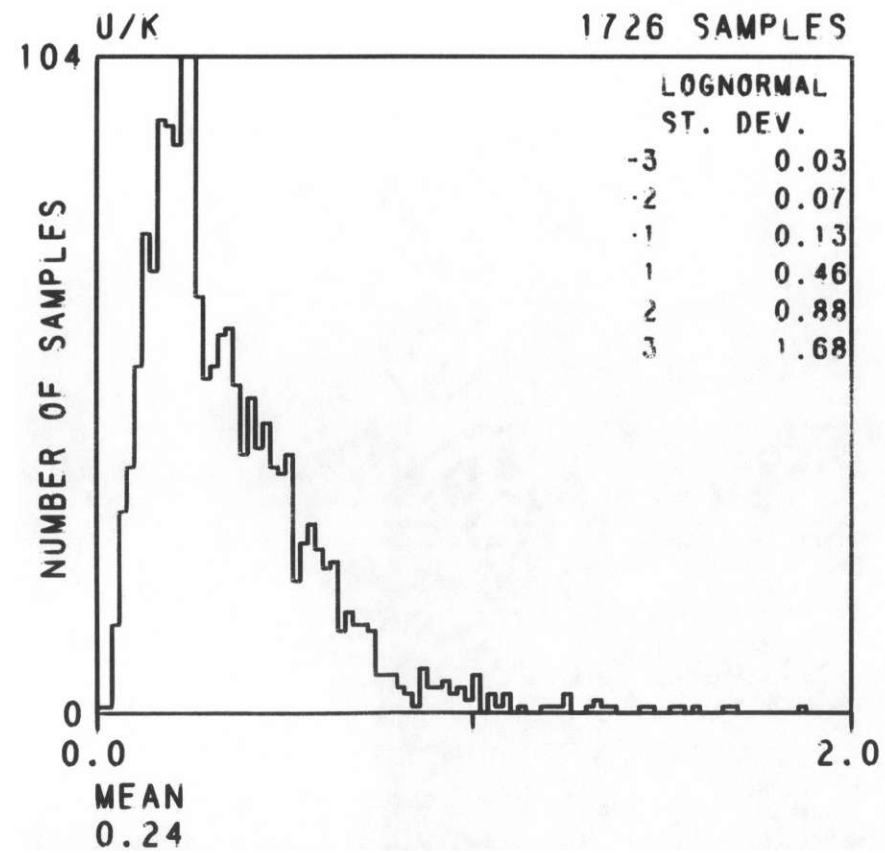
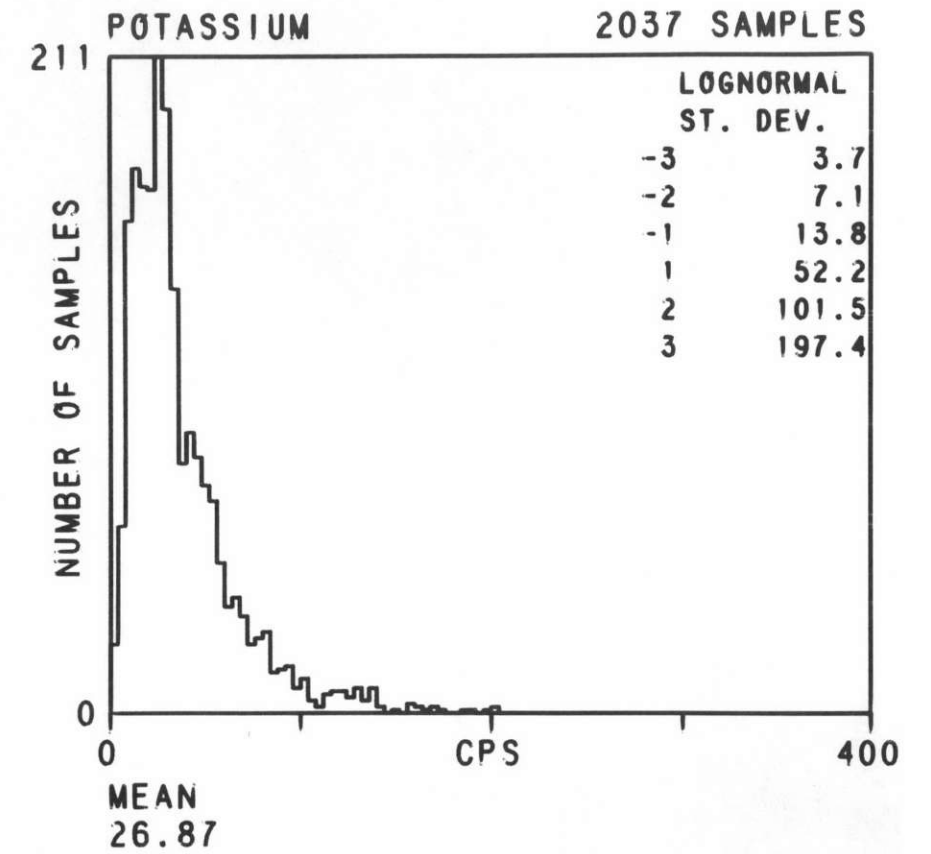
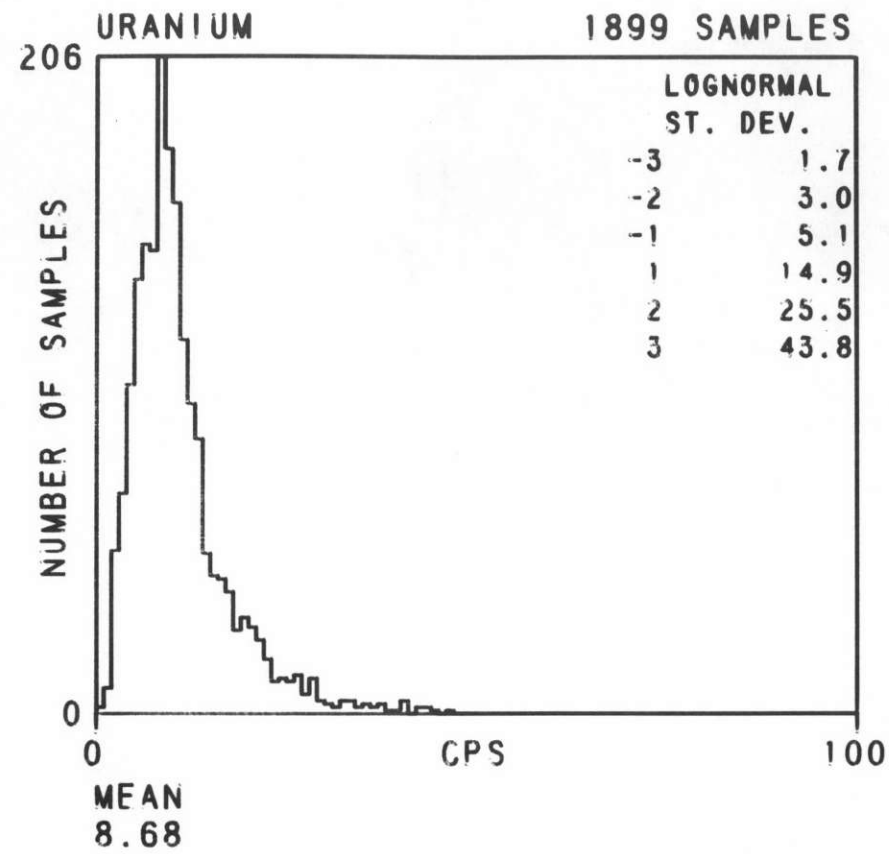
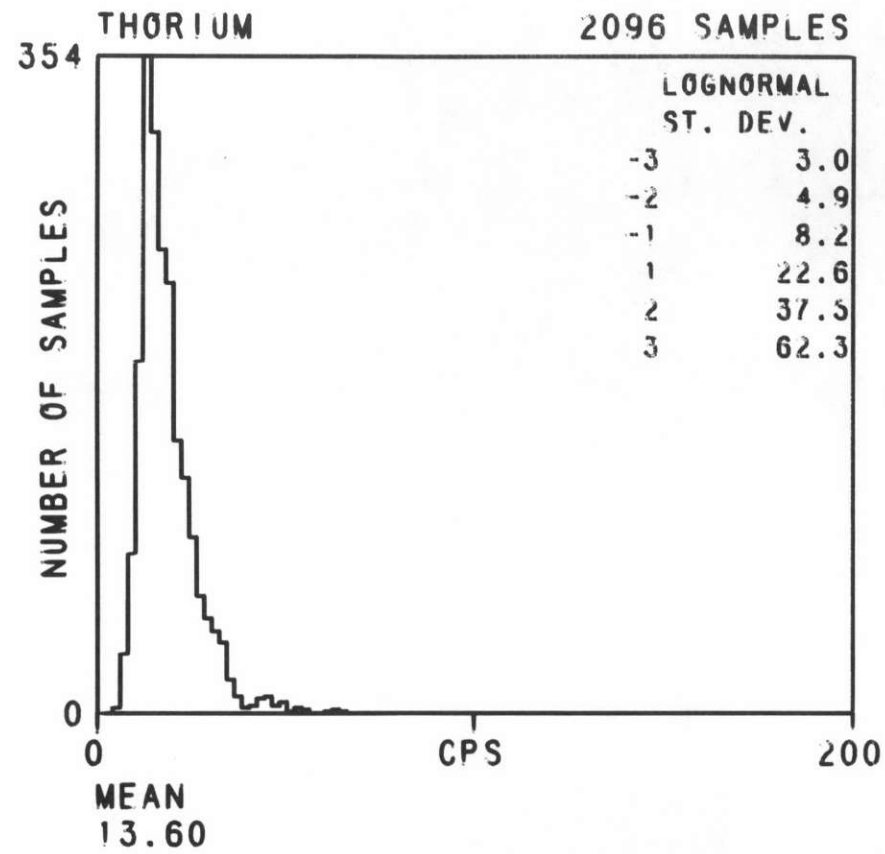


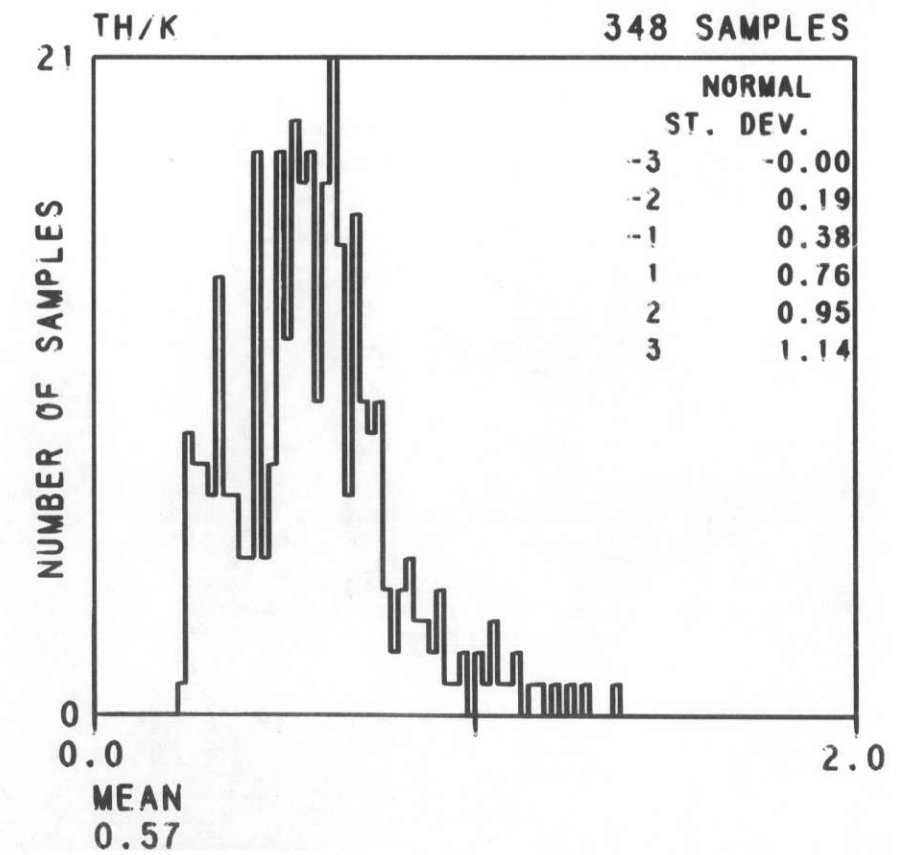
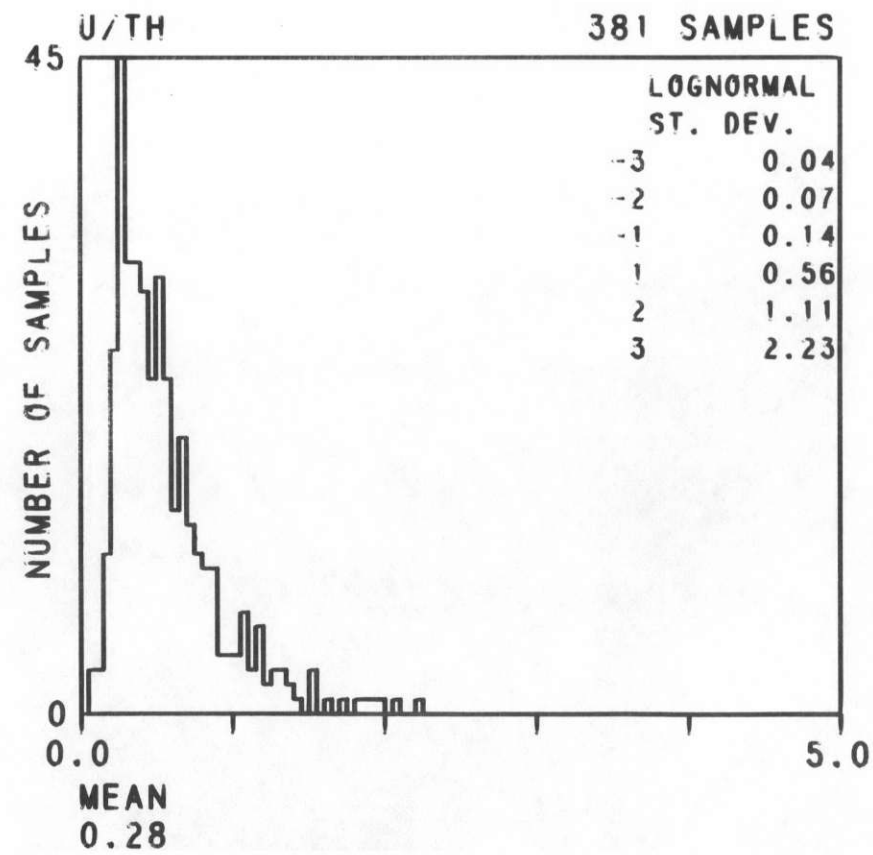
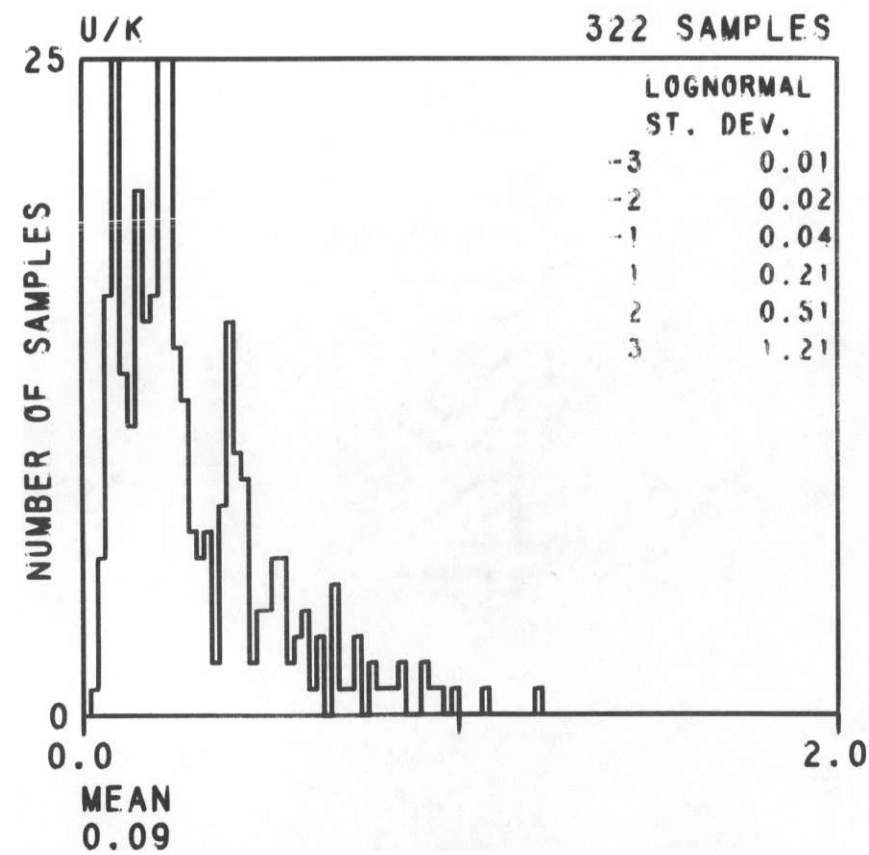
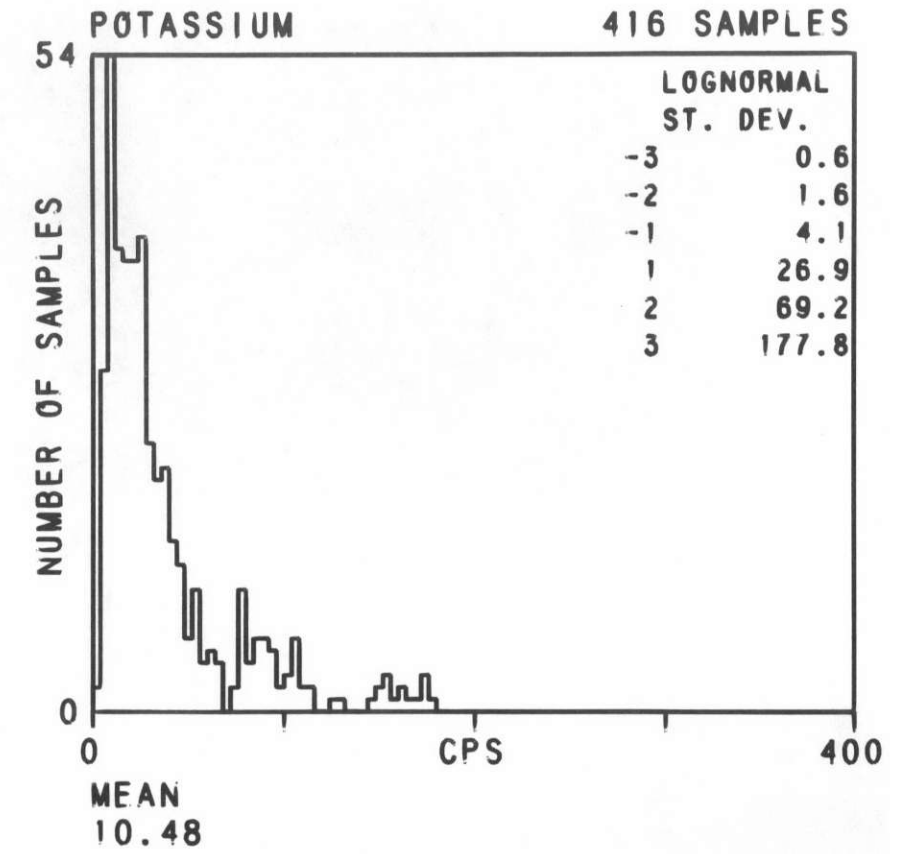
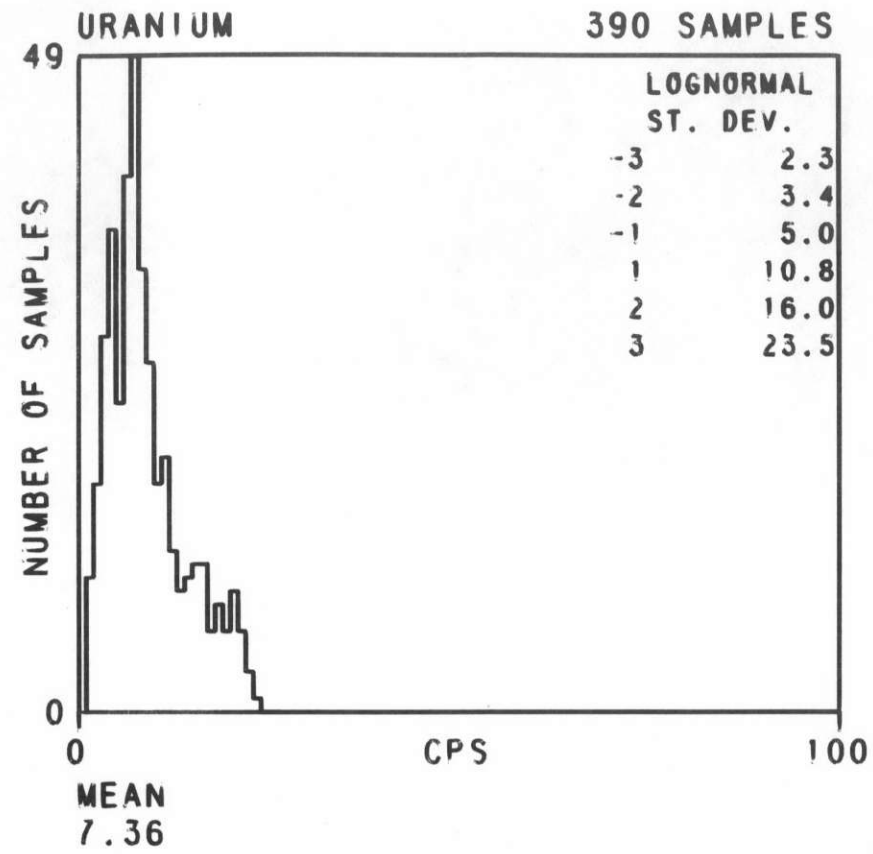
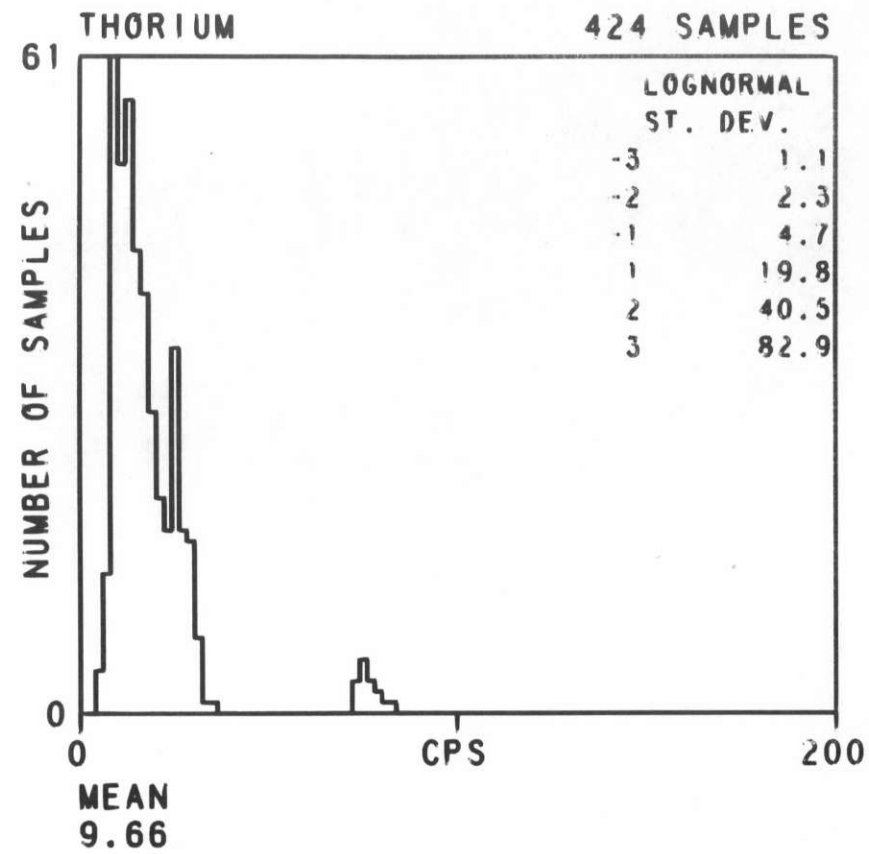


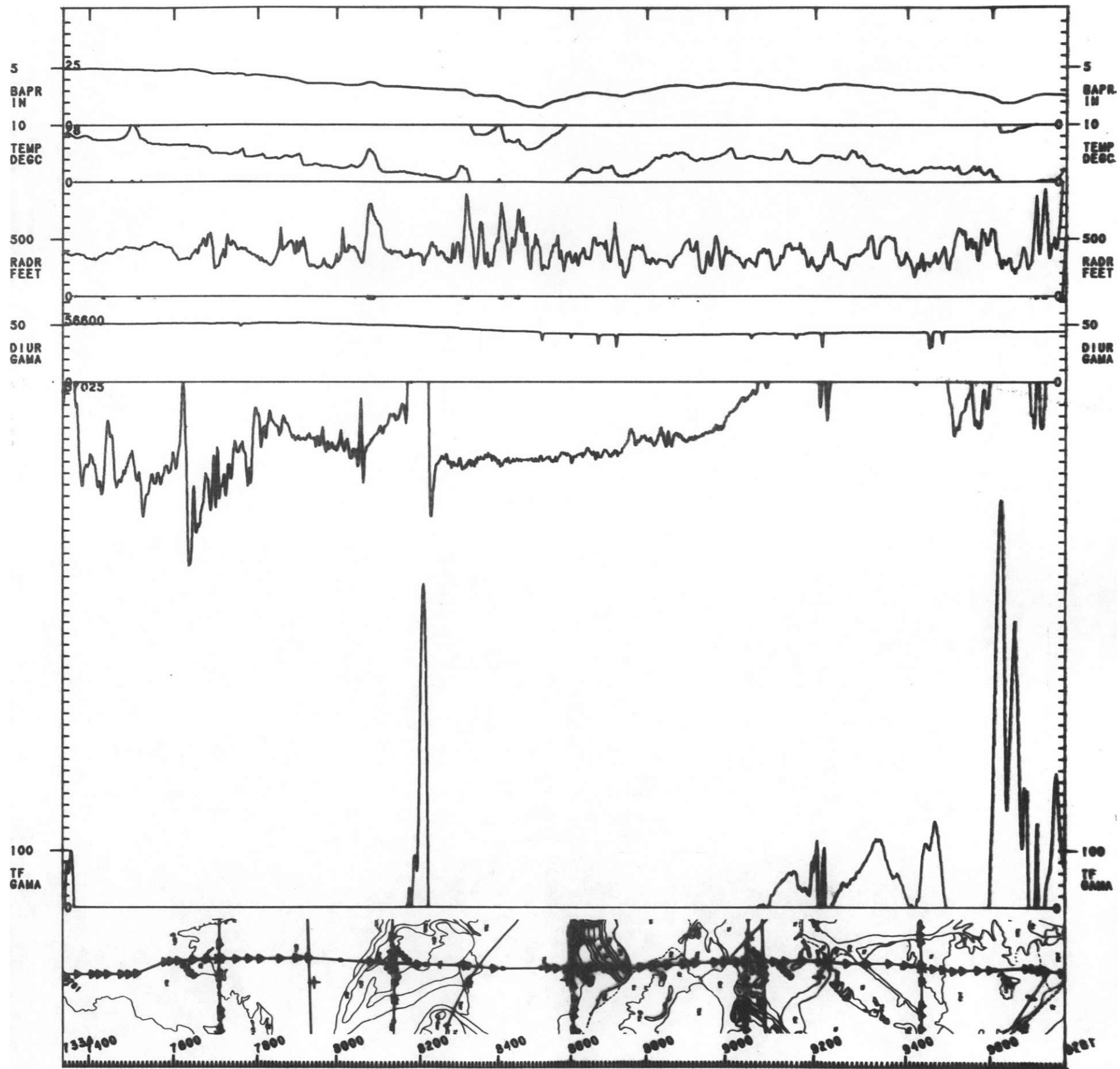










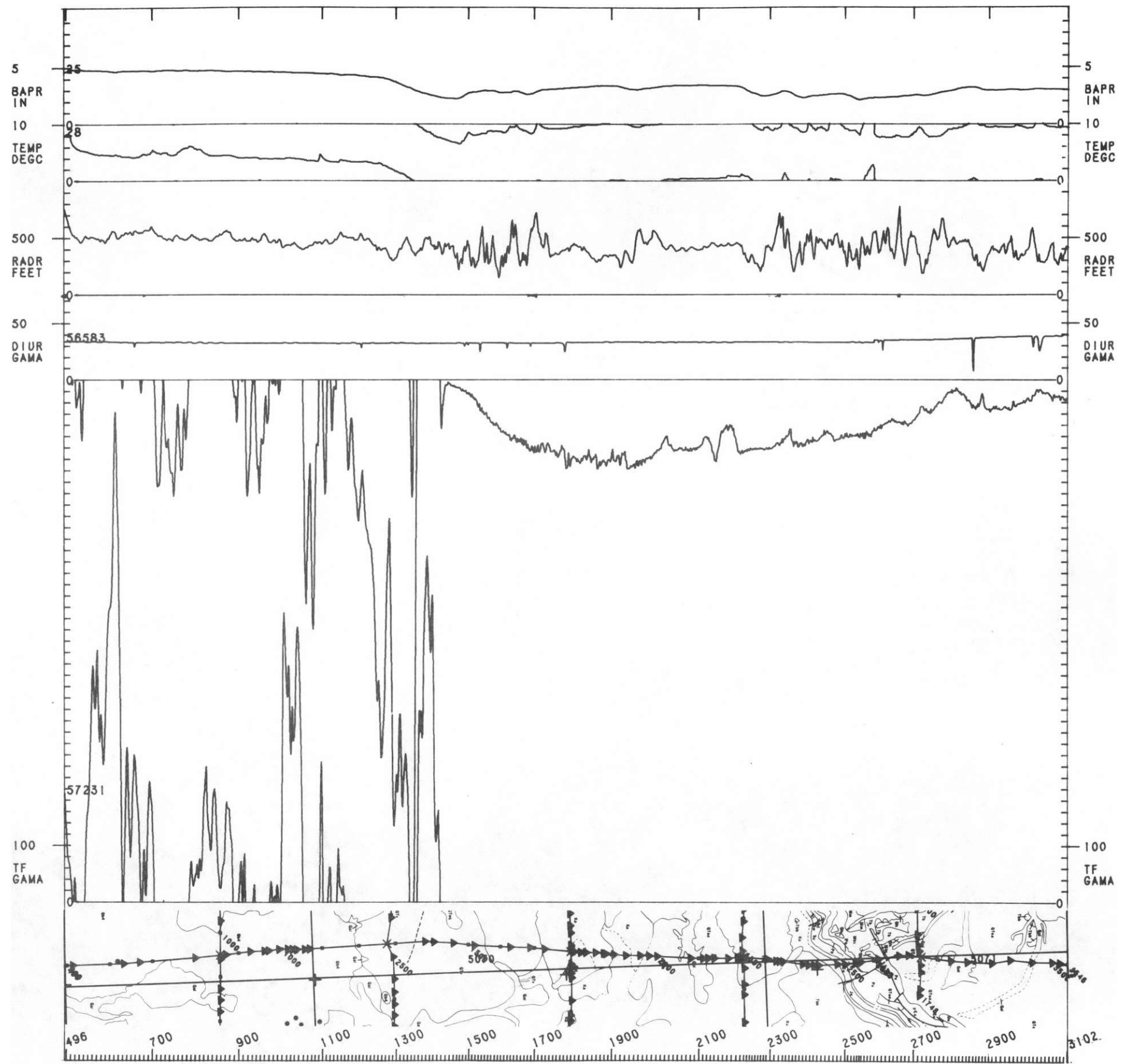


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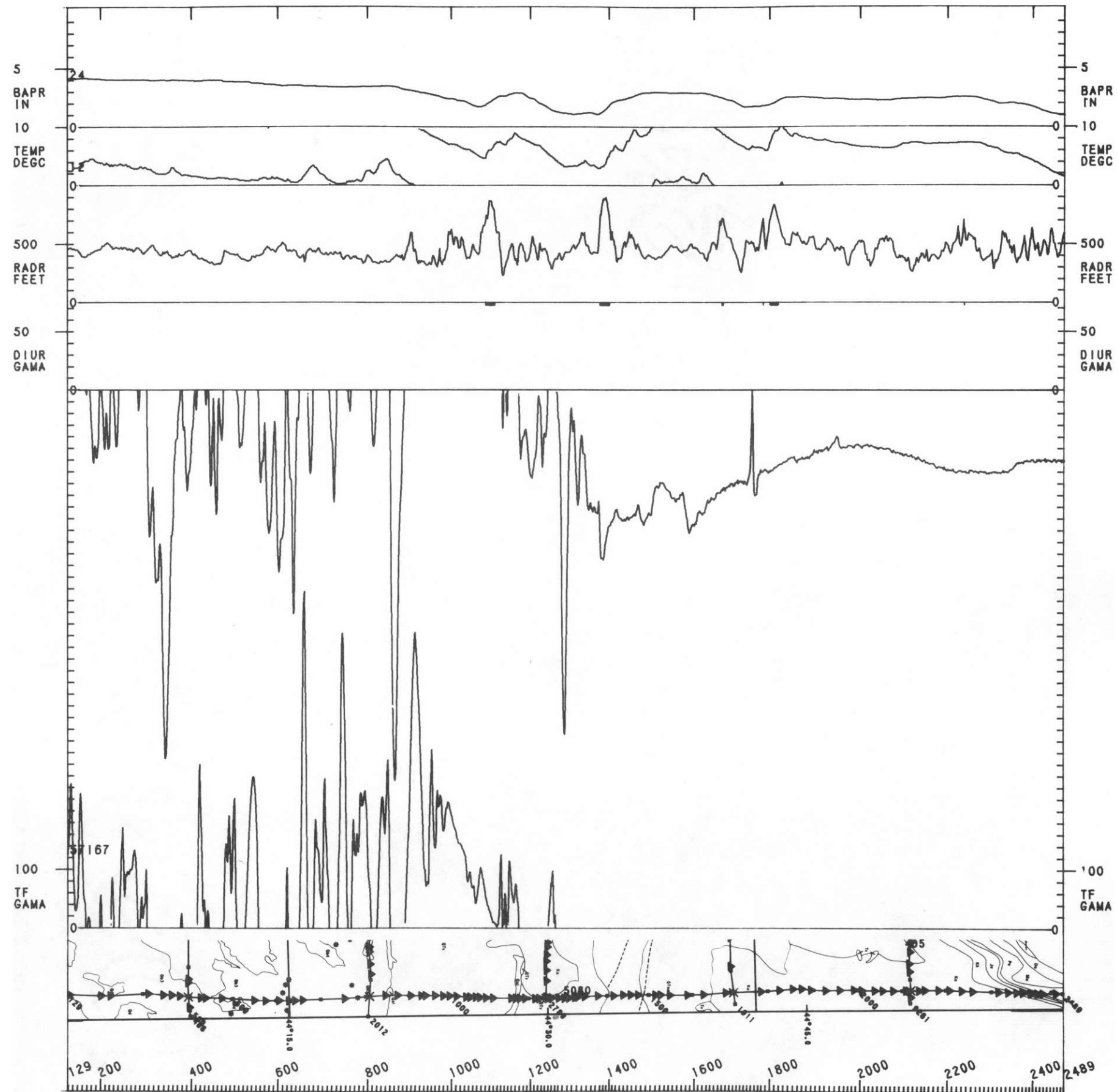


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NL 12-10
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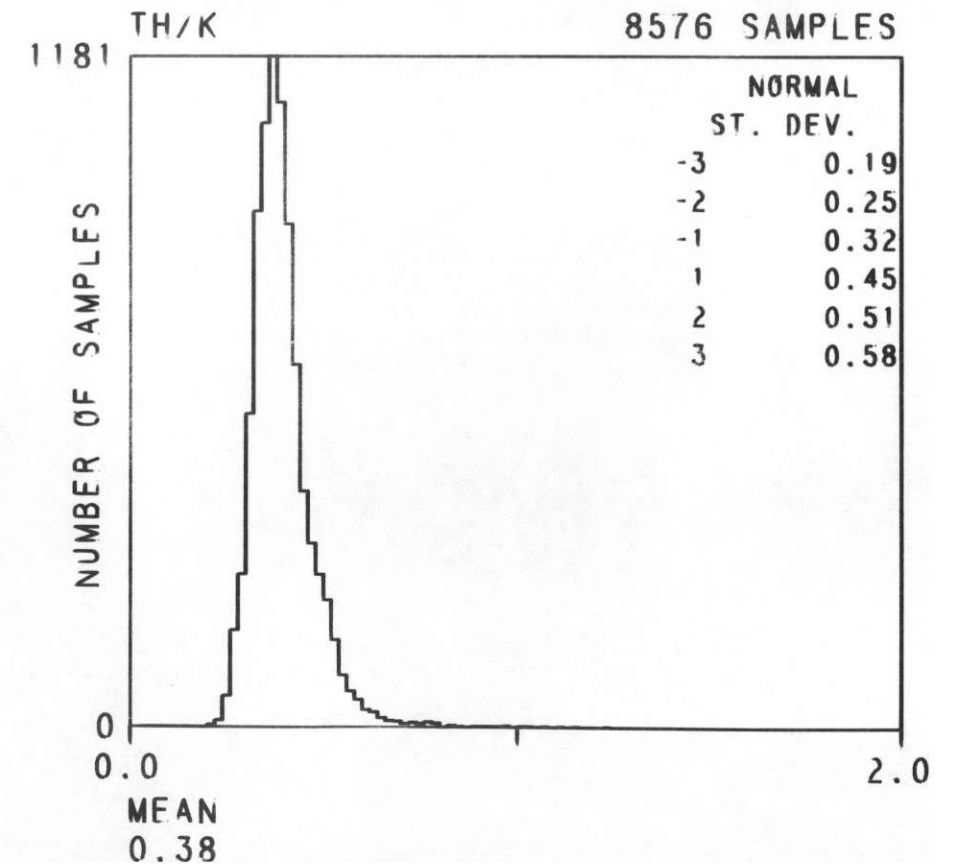
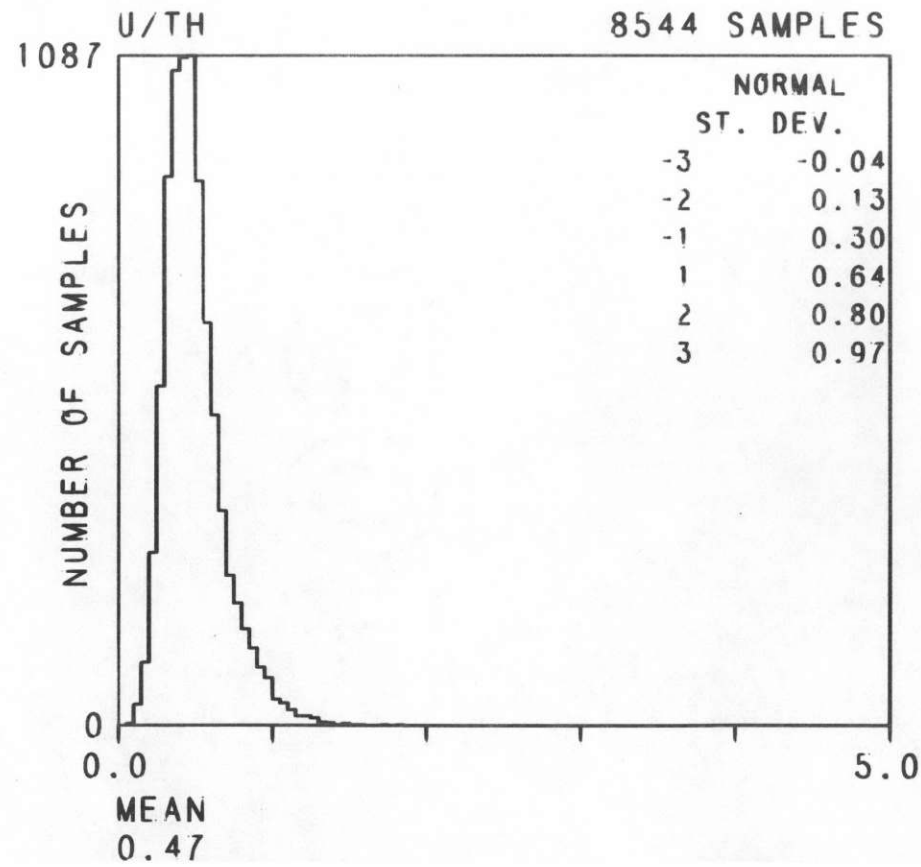
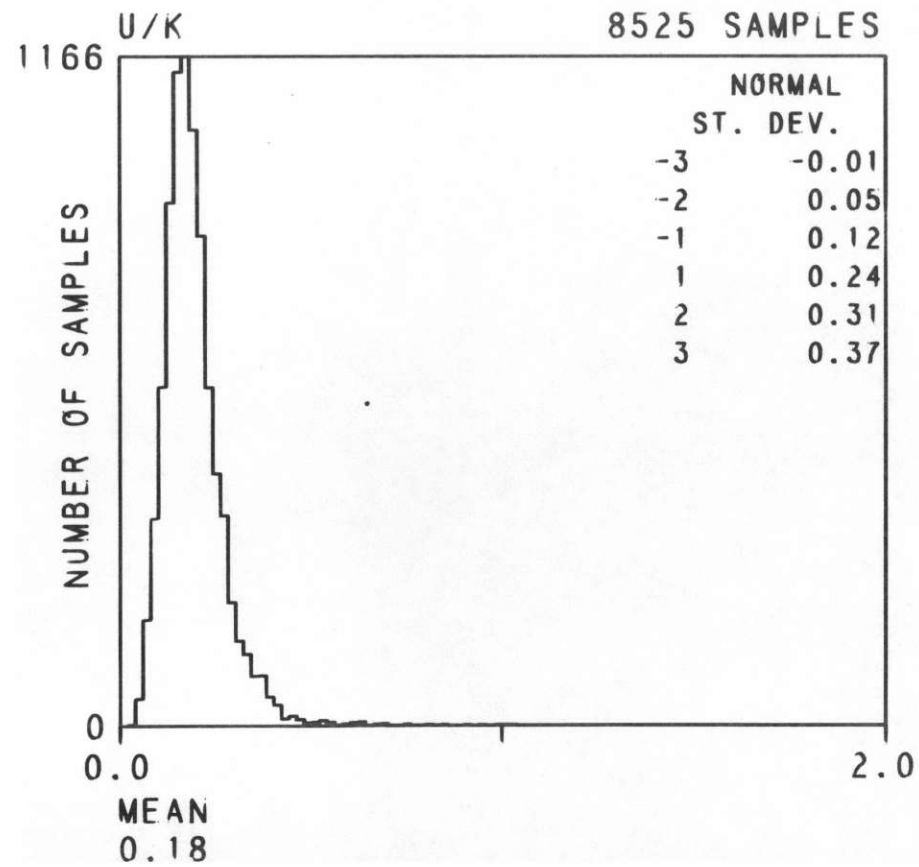
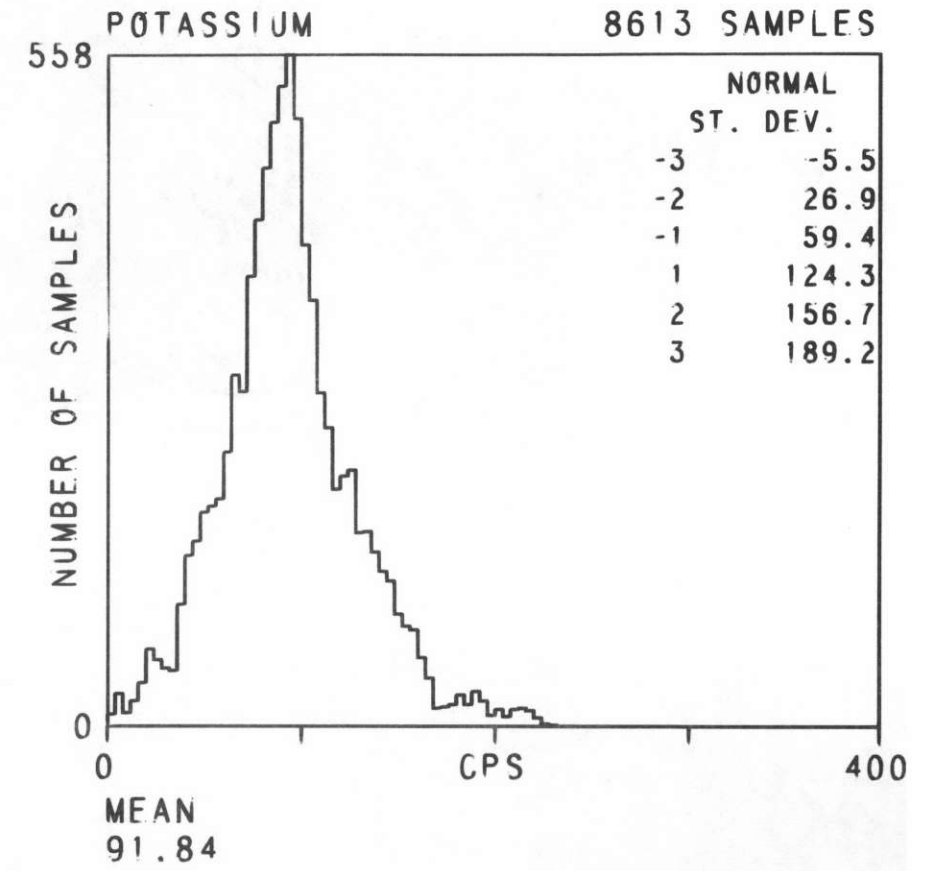
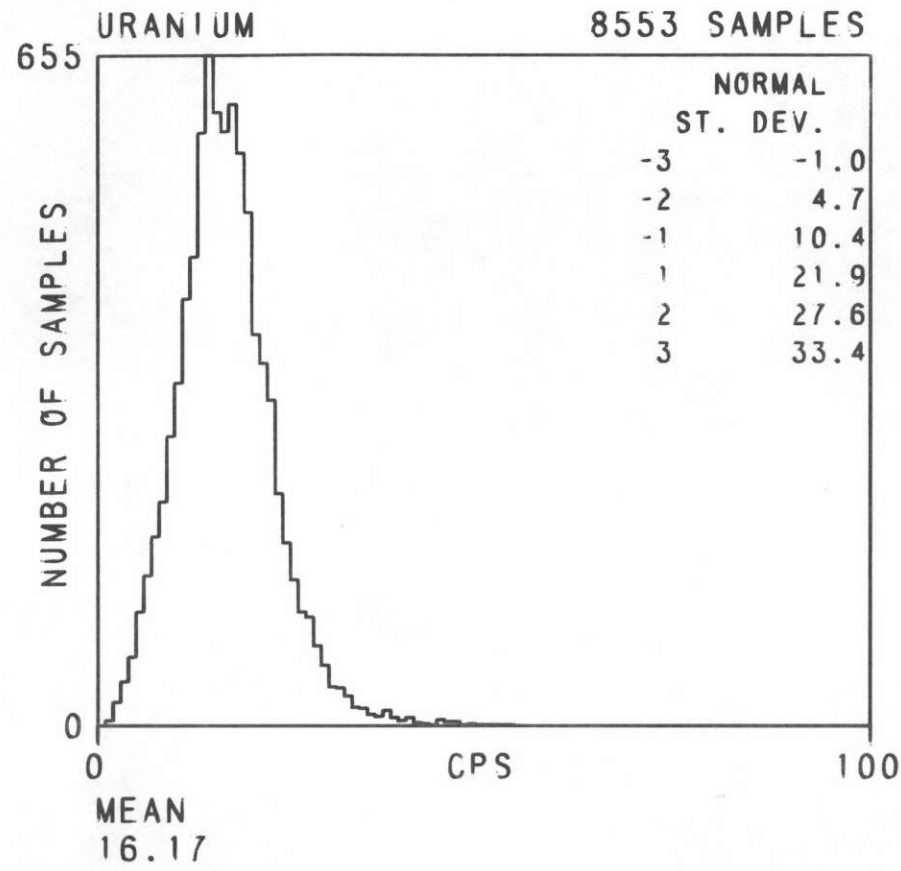
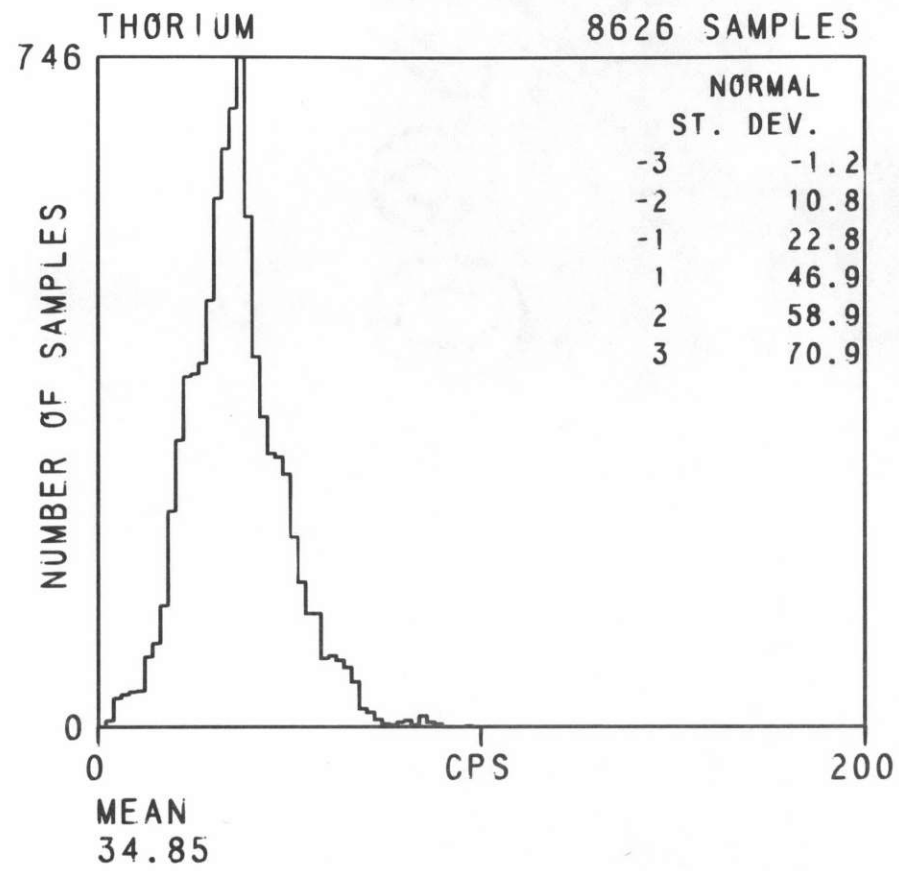


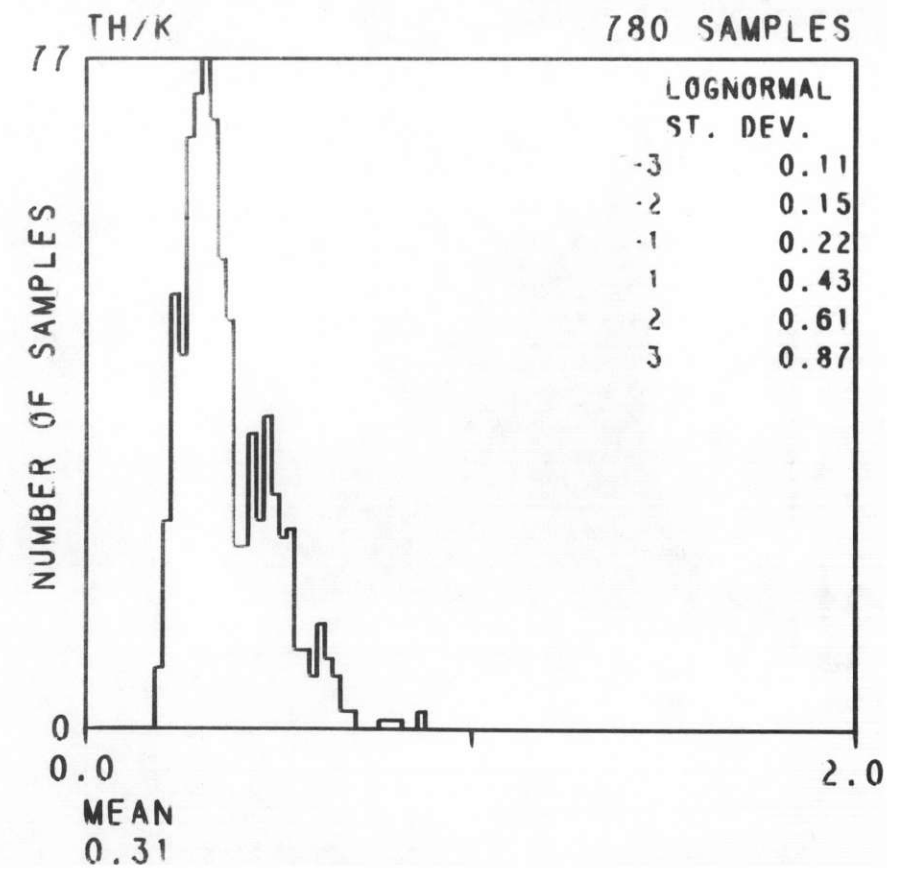
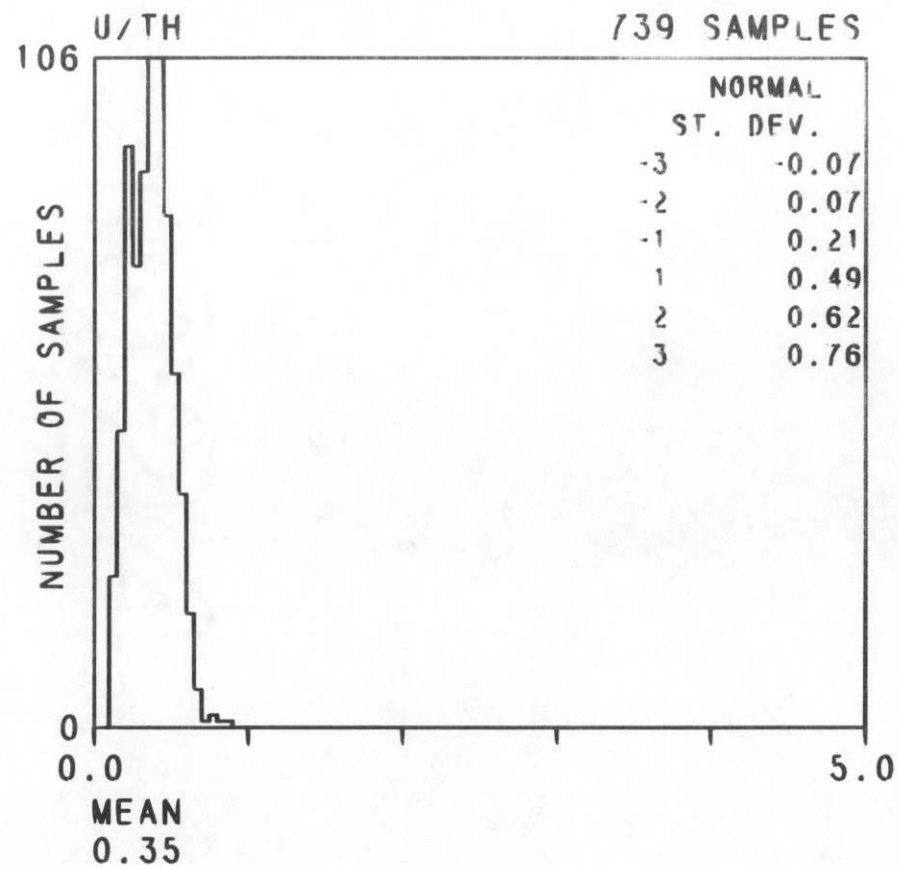
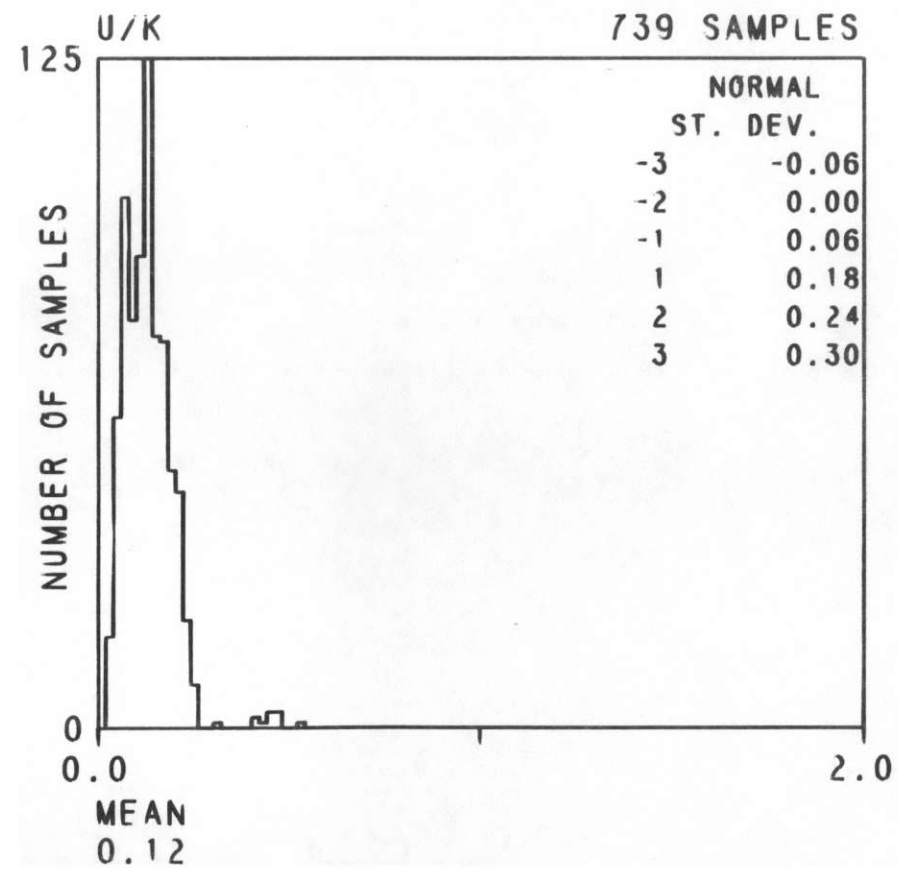
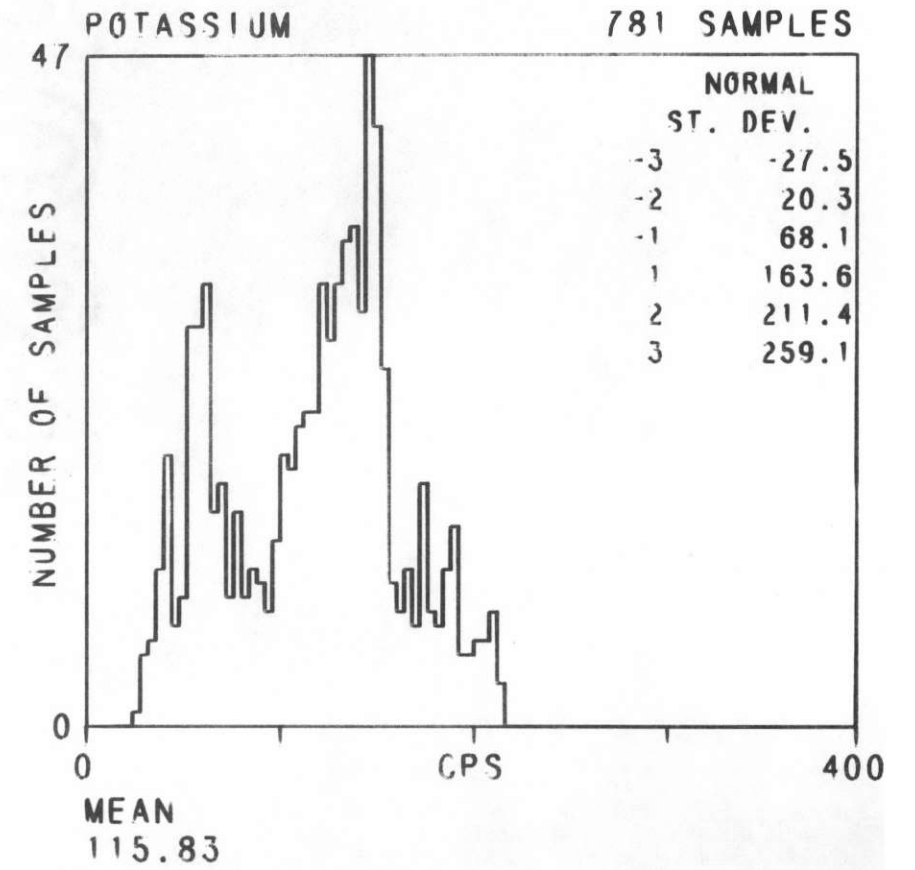
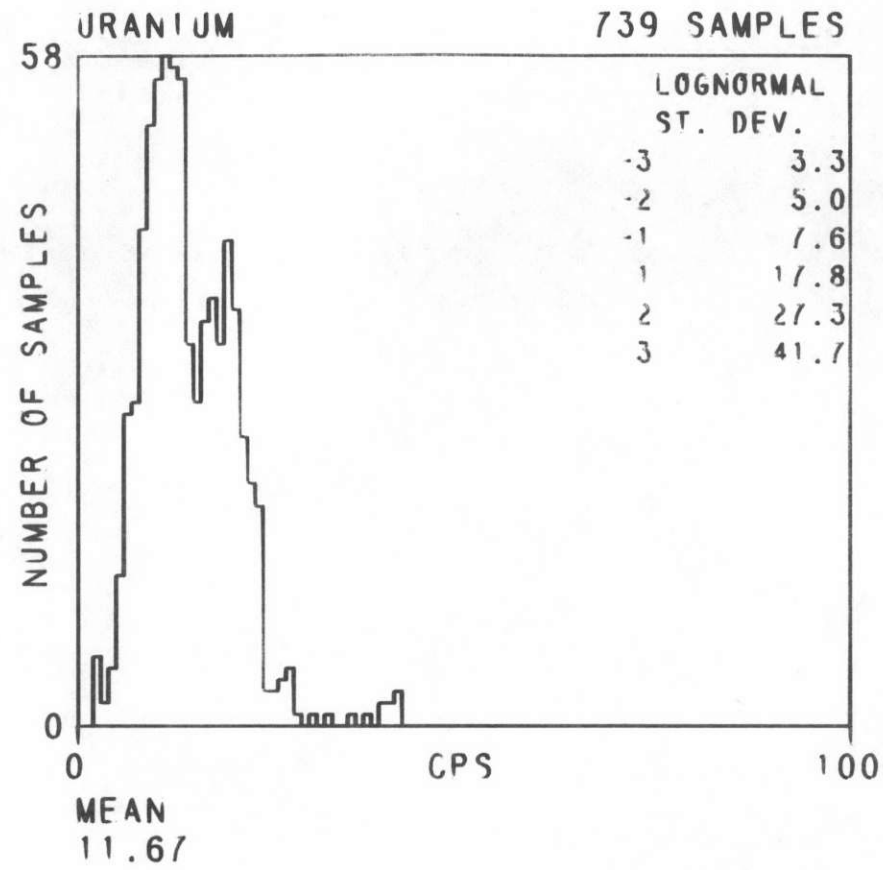
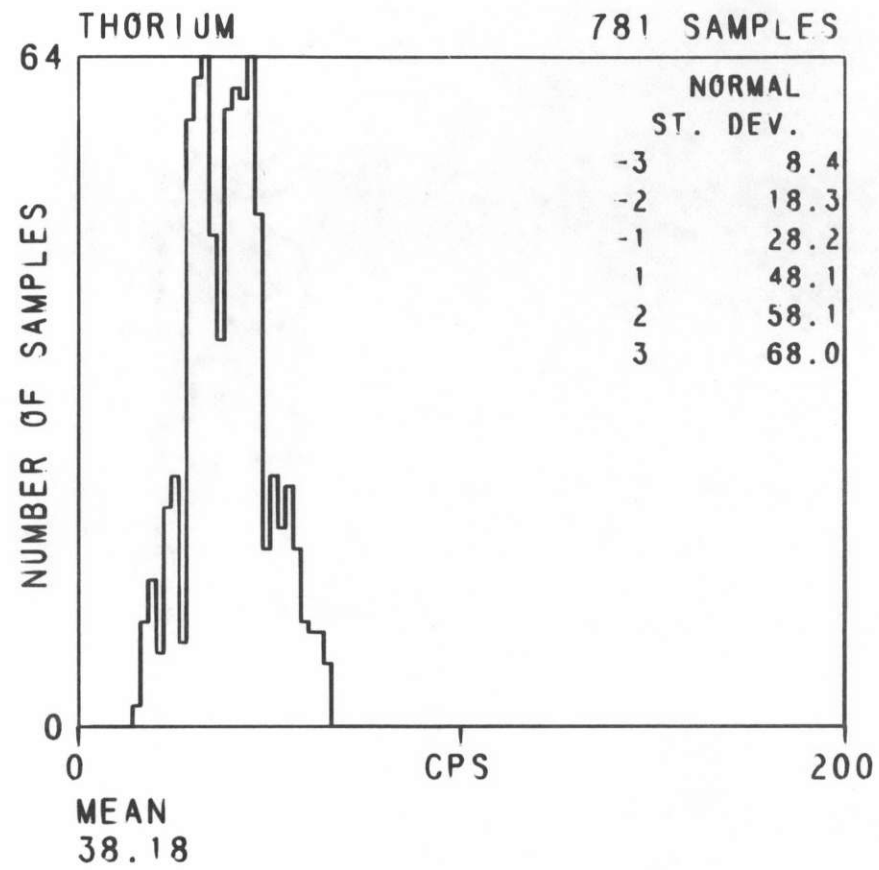
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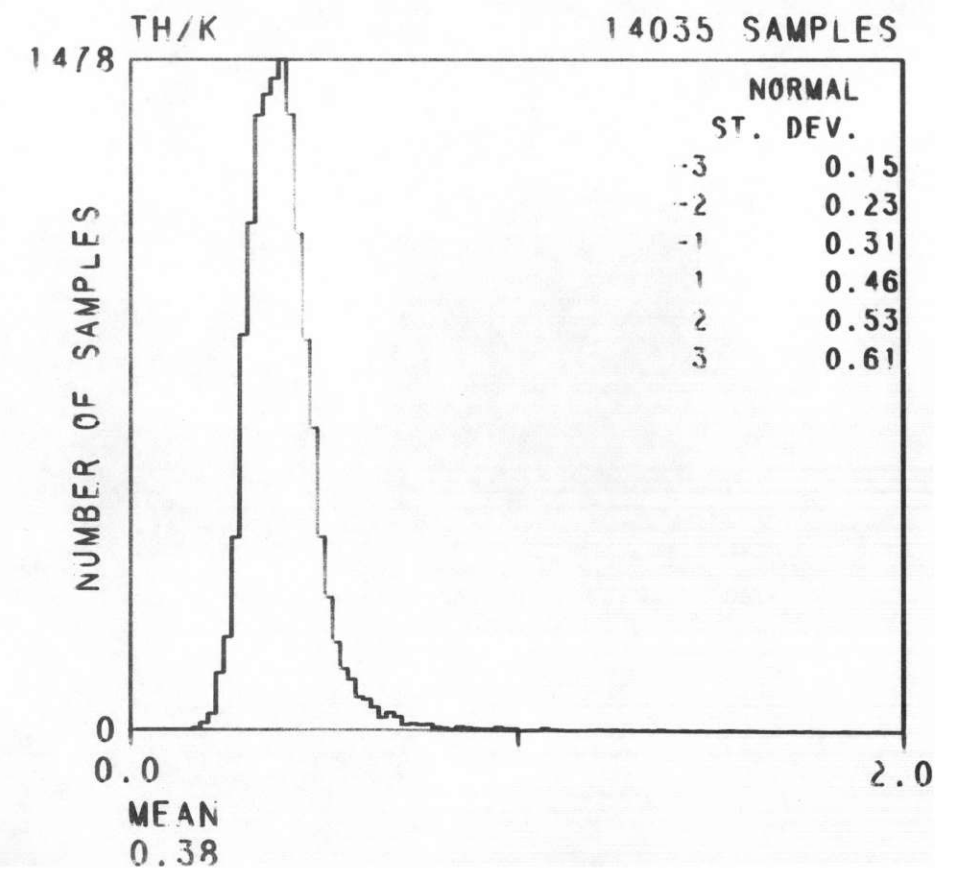
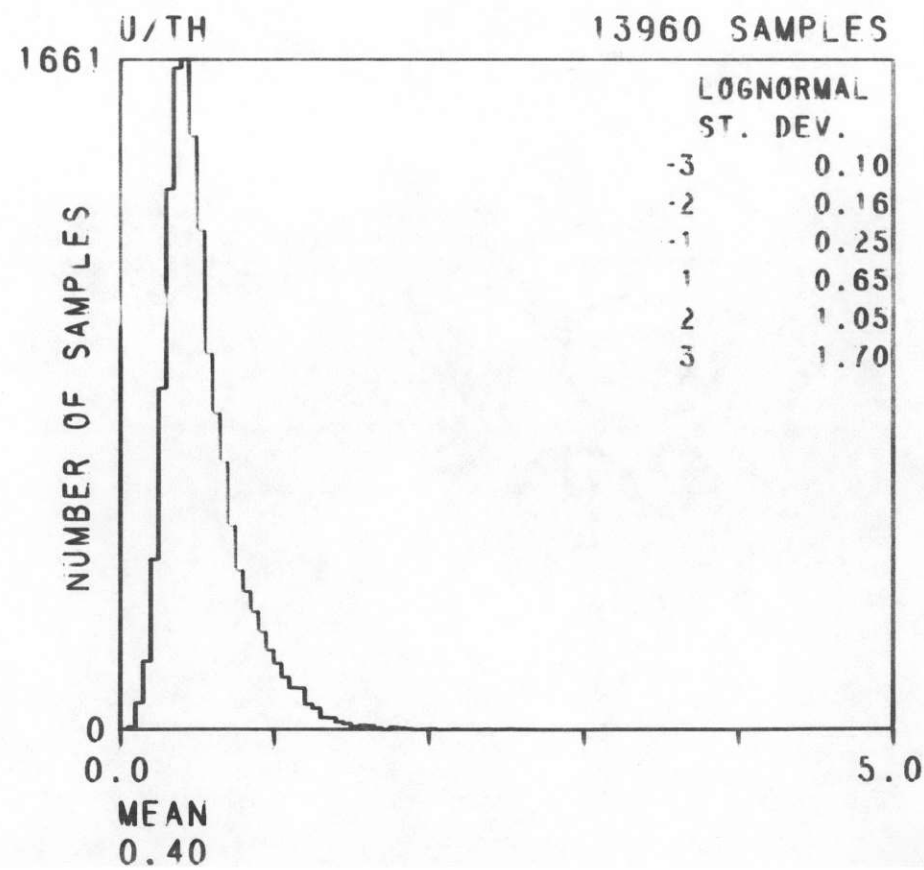
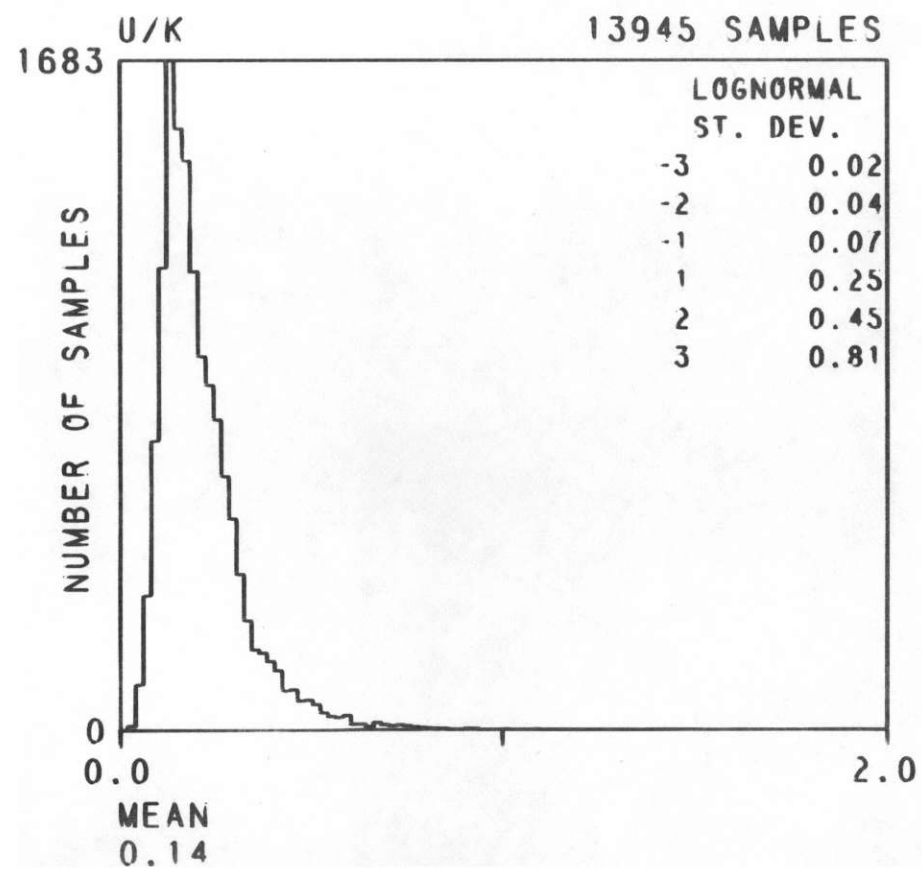
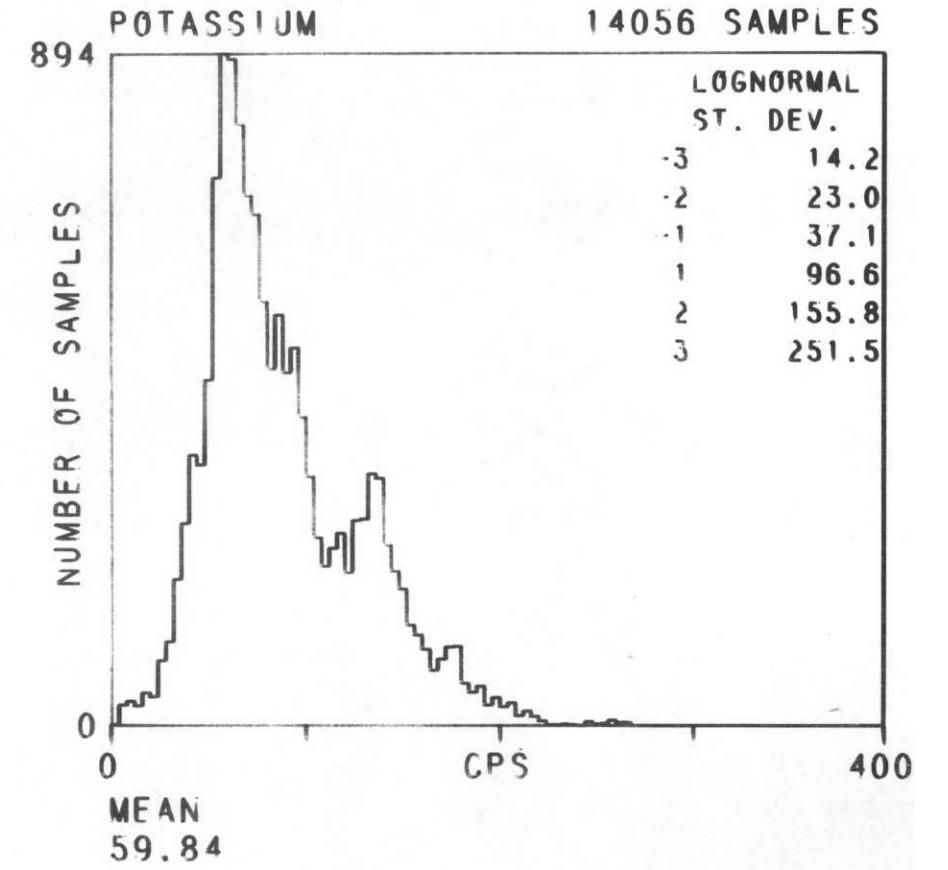
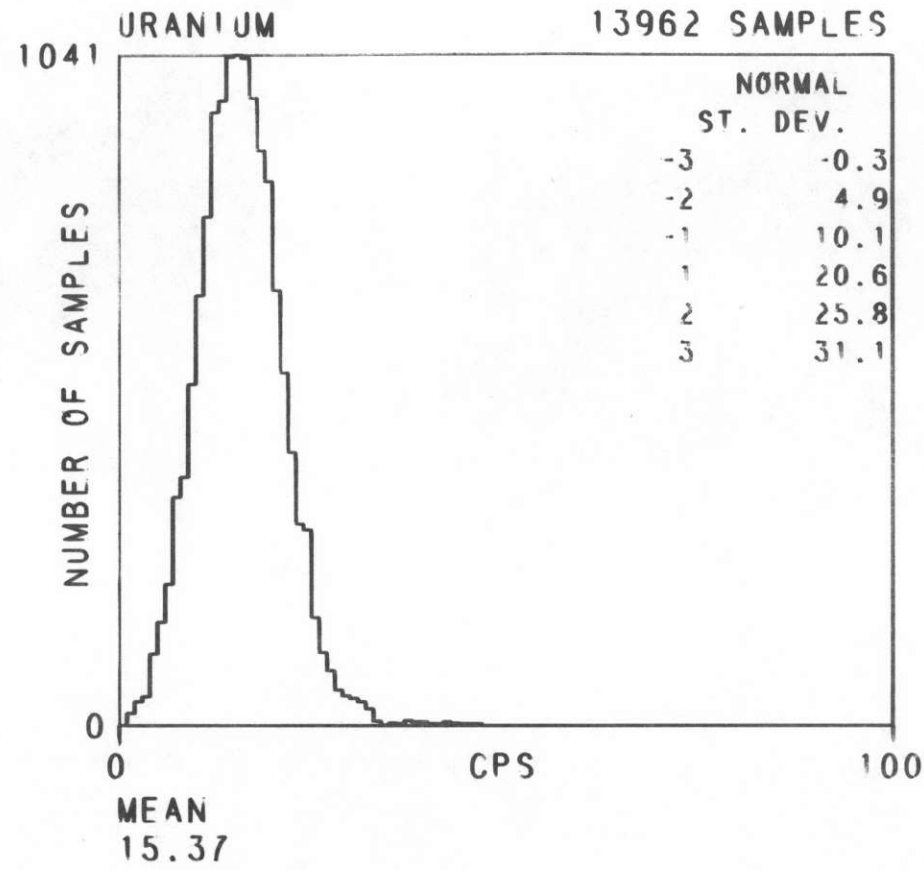
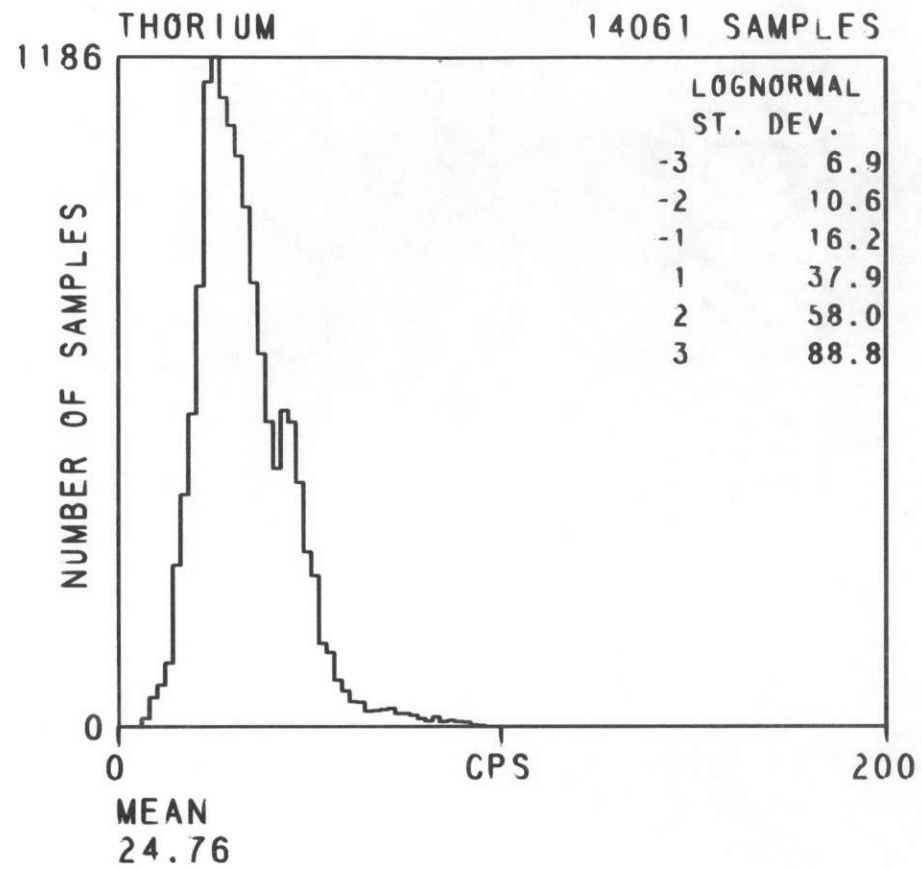
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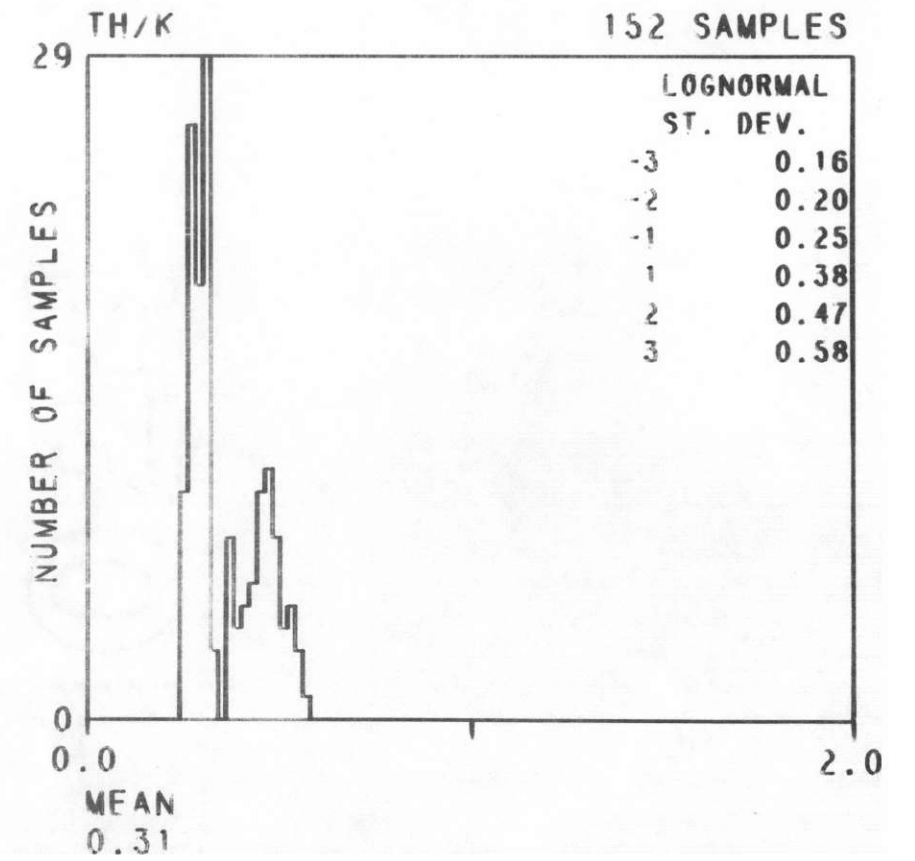
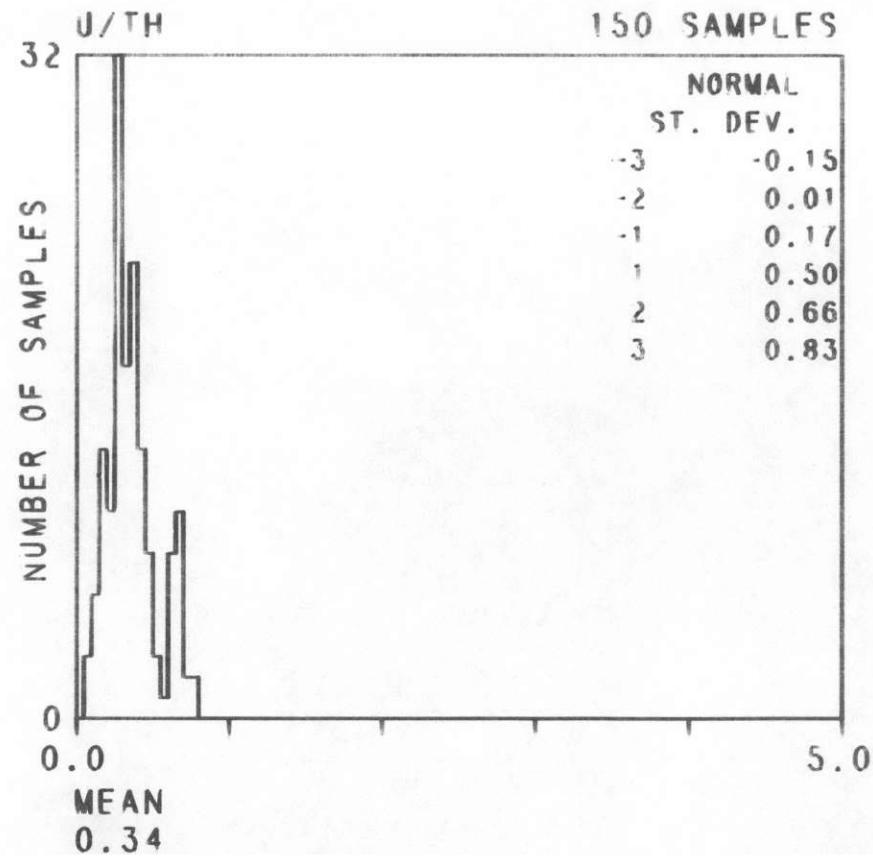
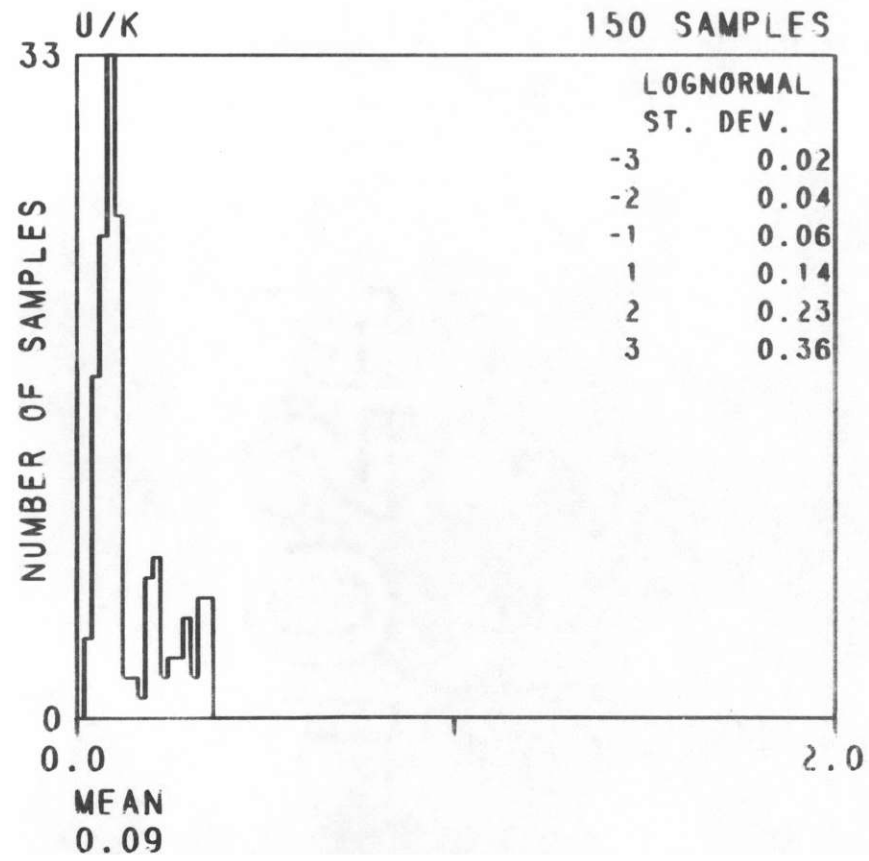
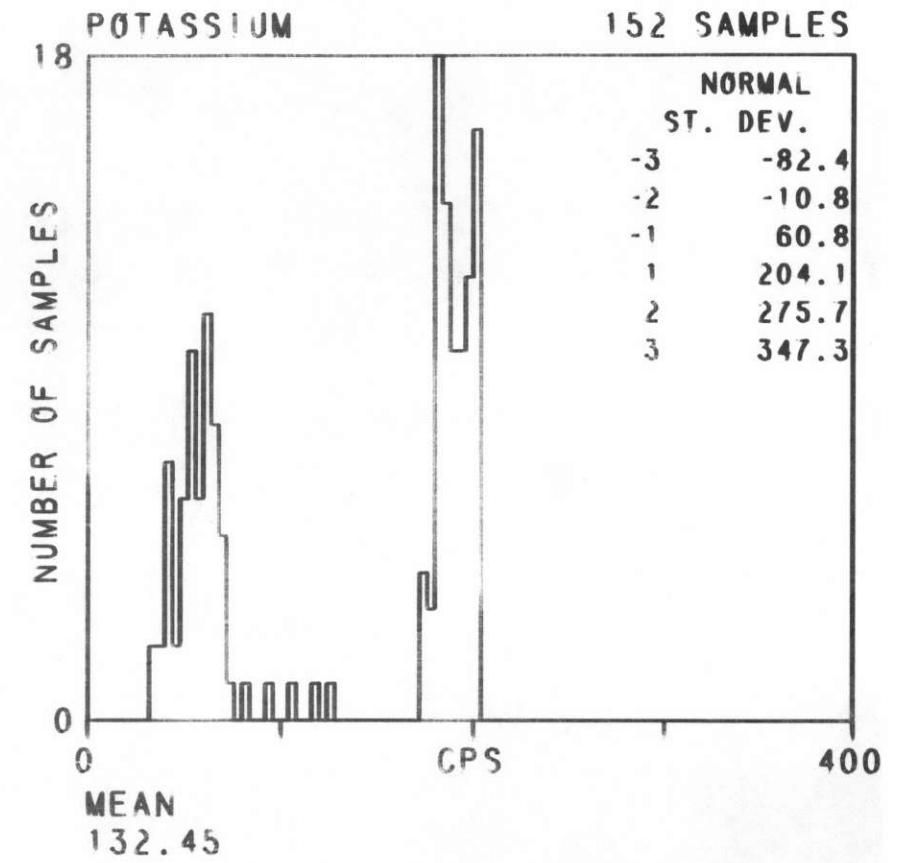
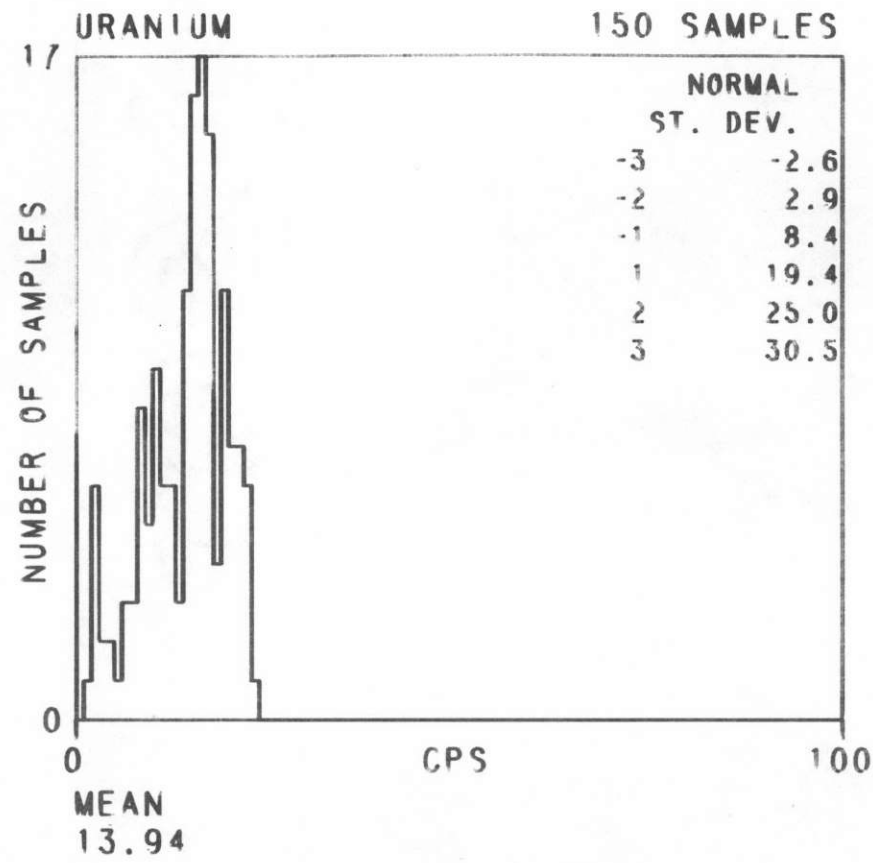
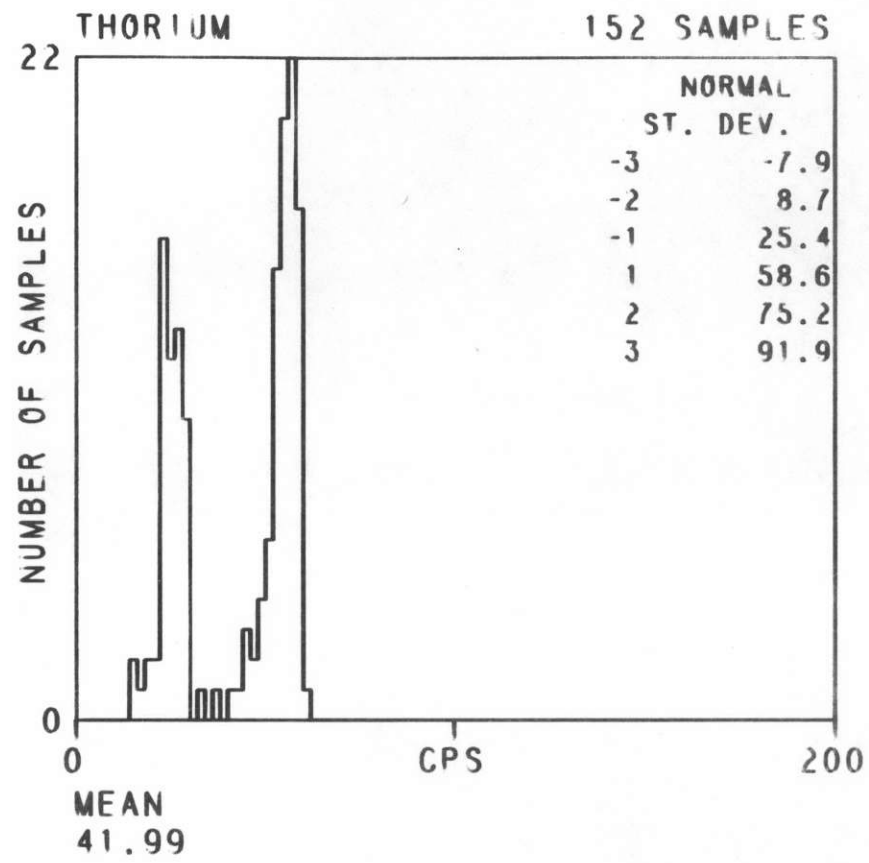
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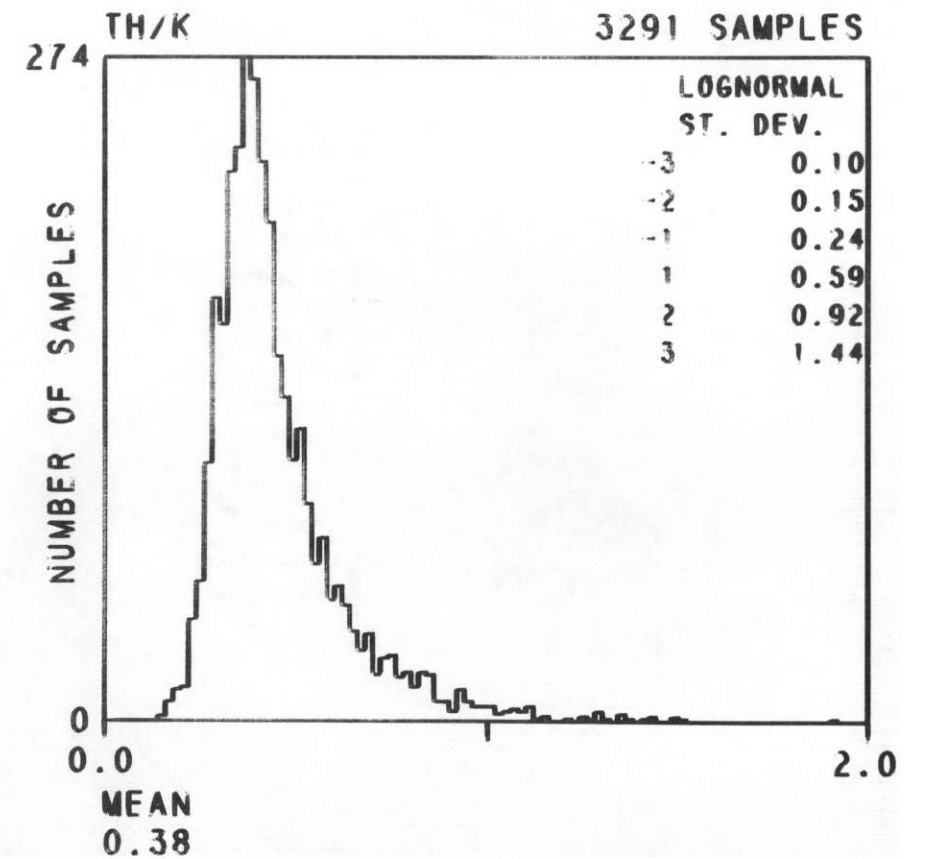
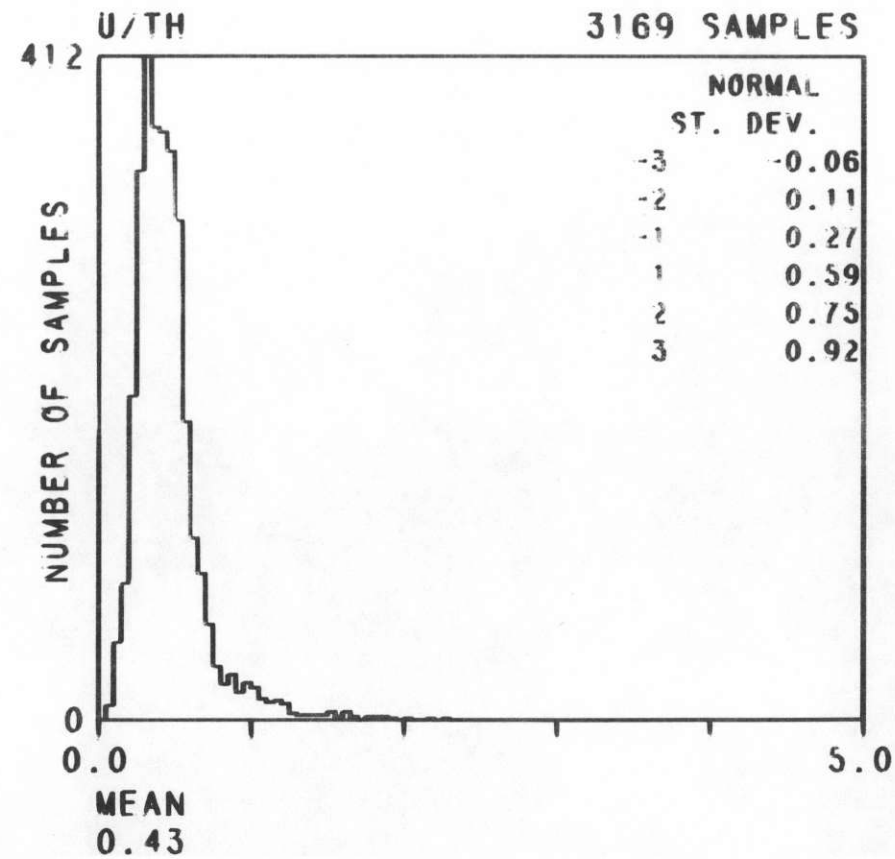
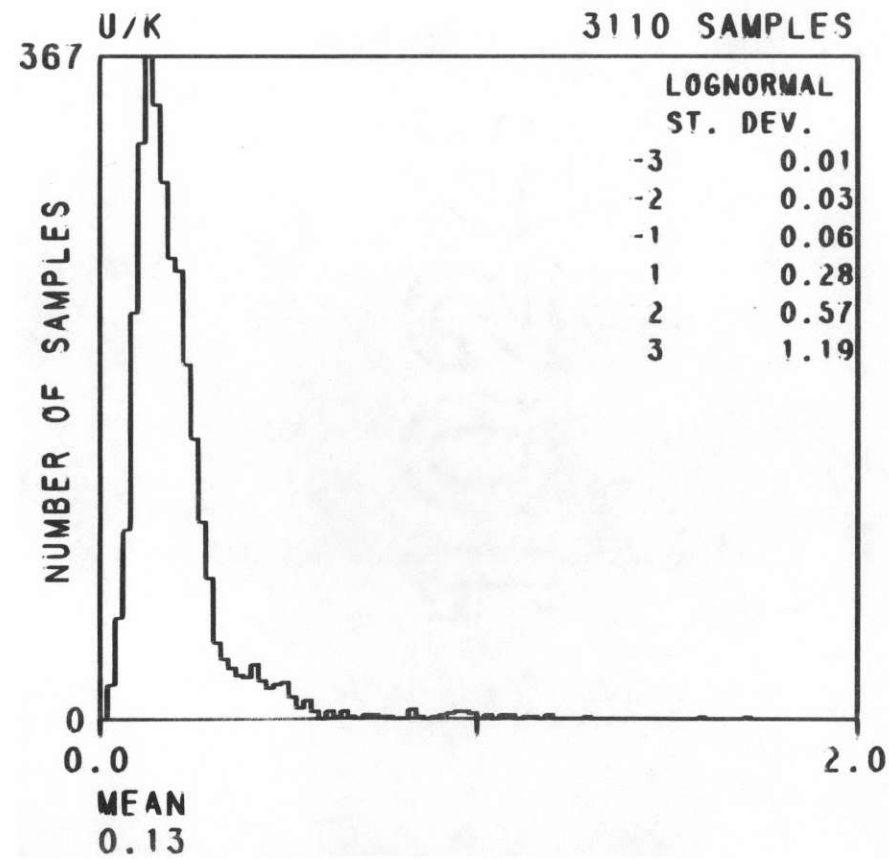
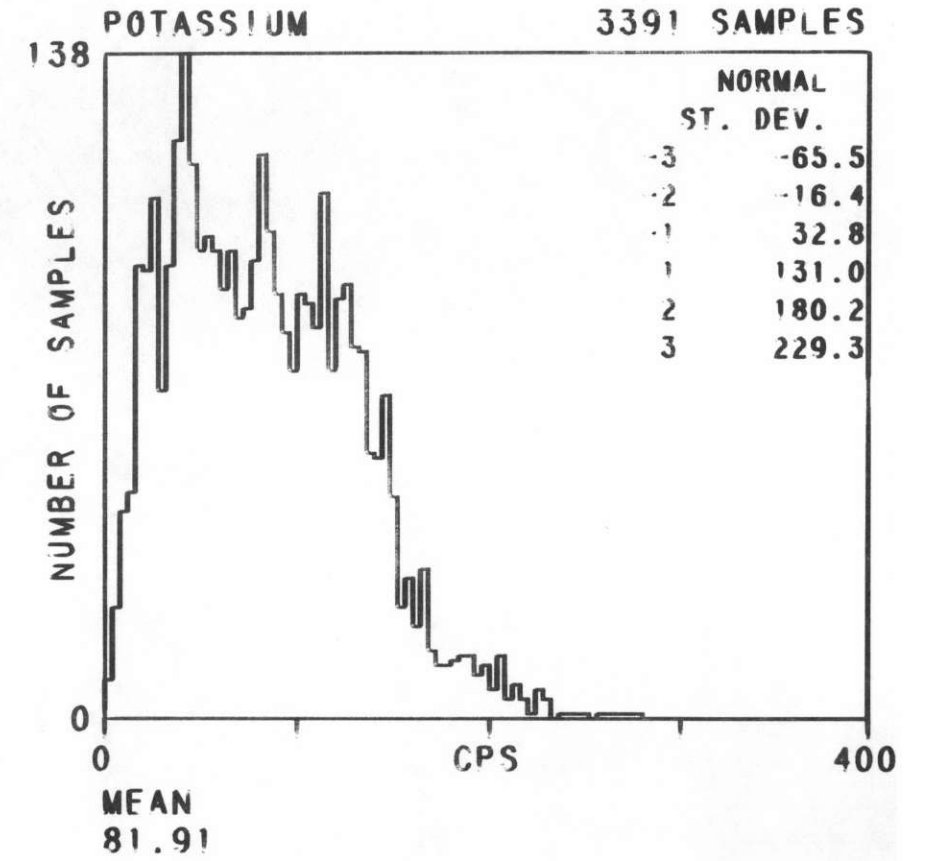
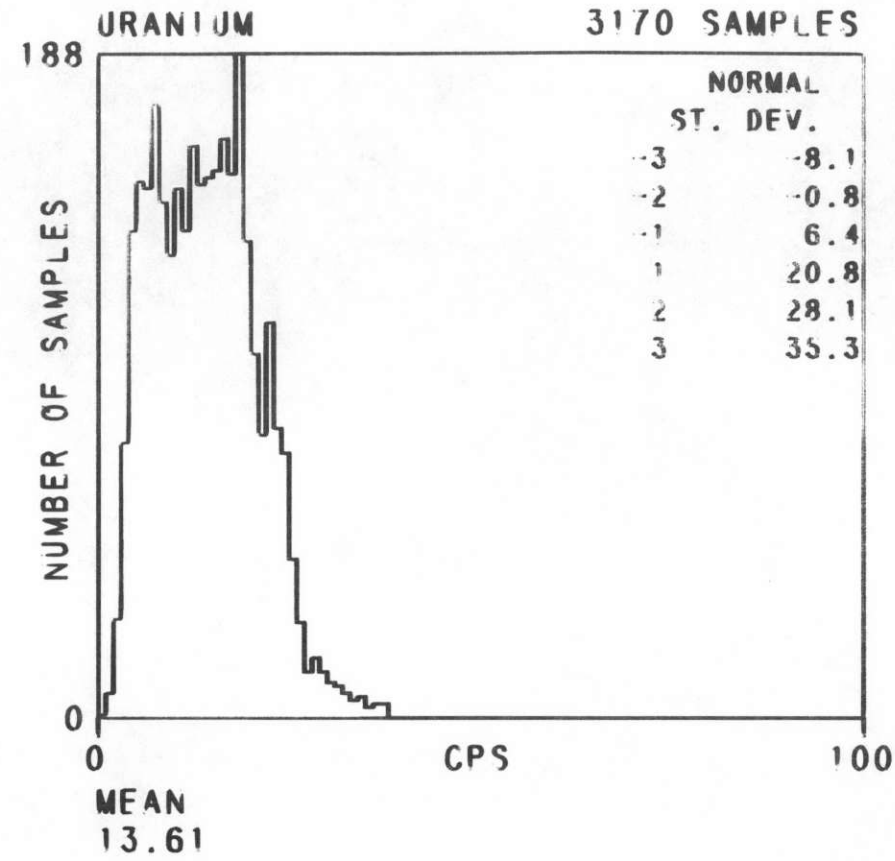
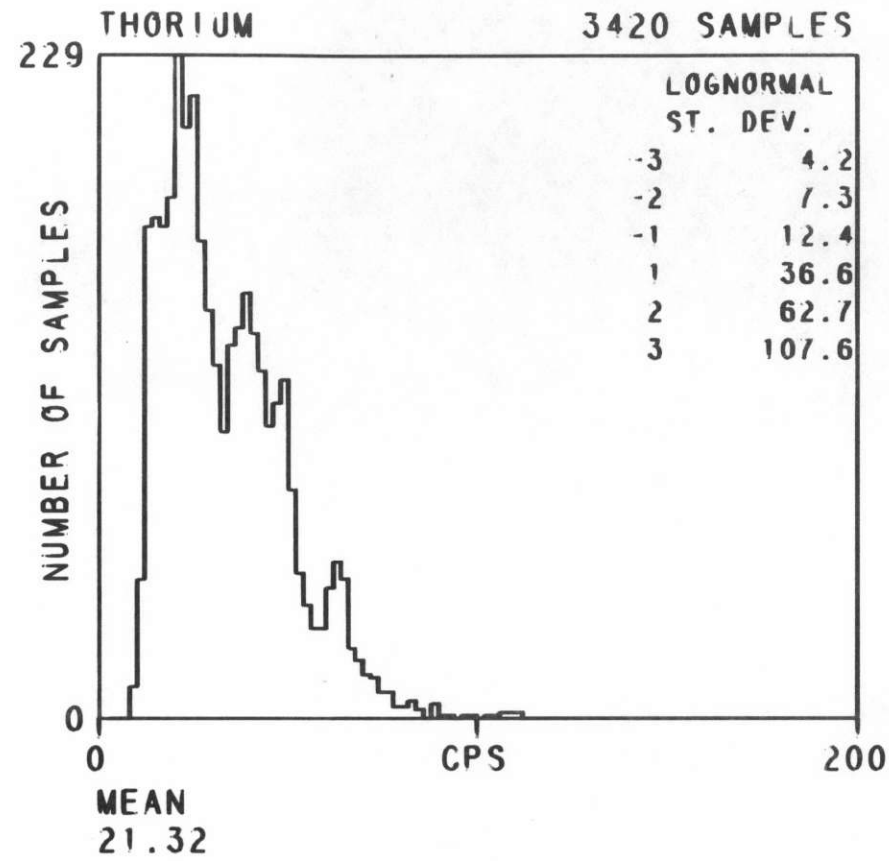
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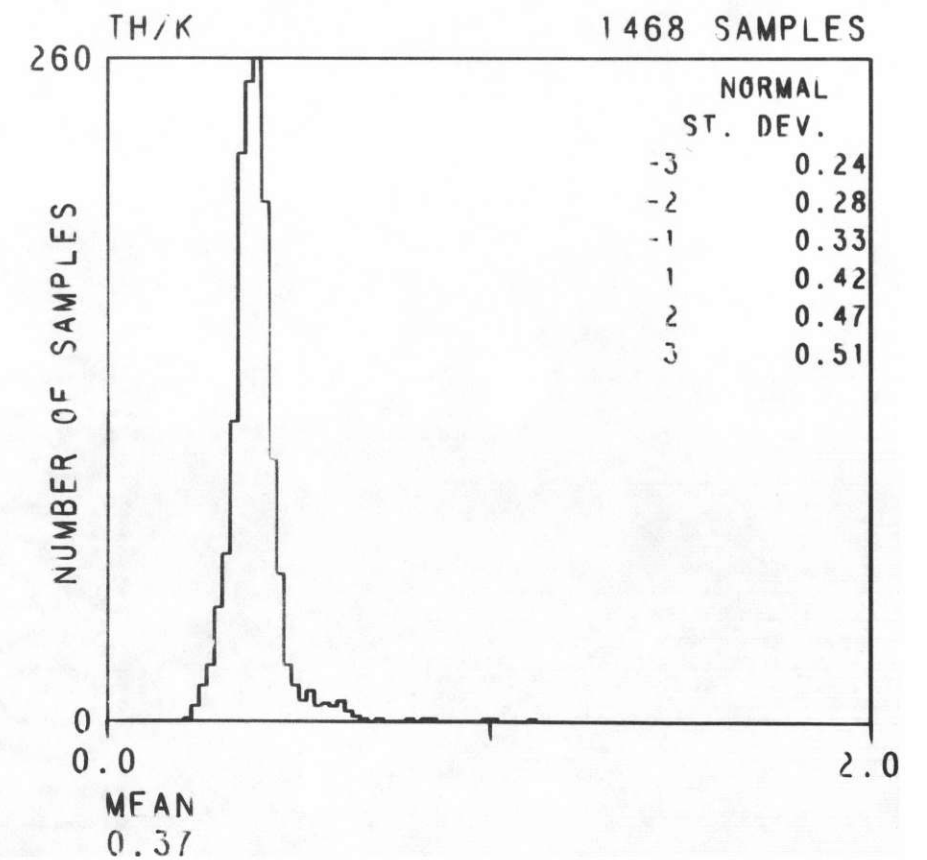
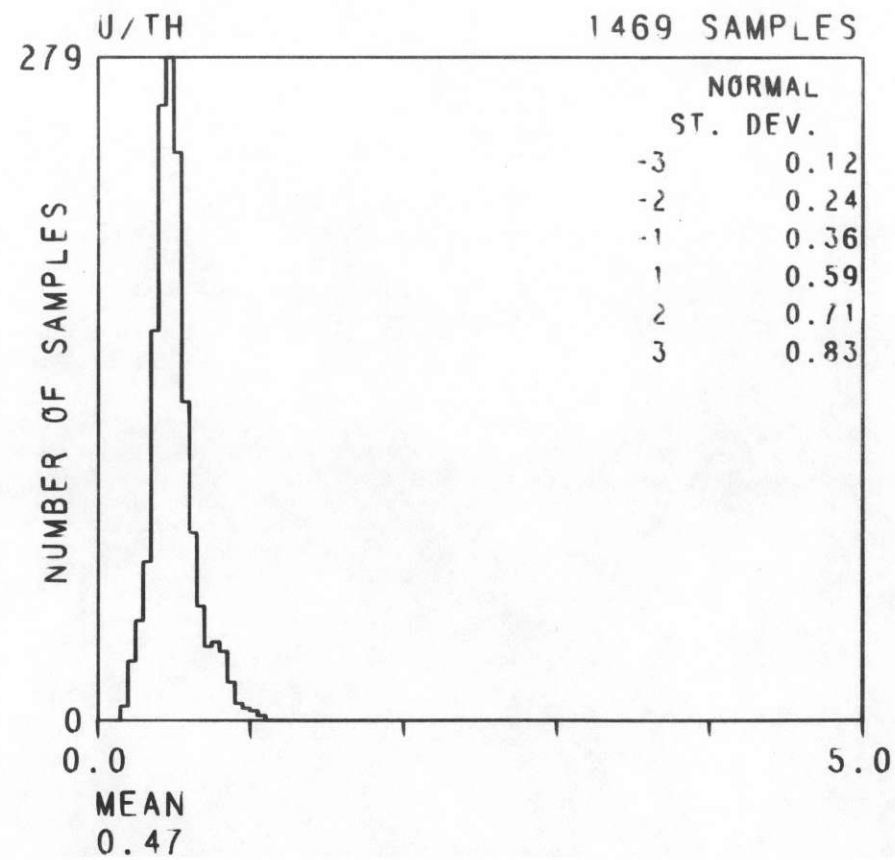
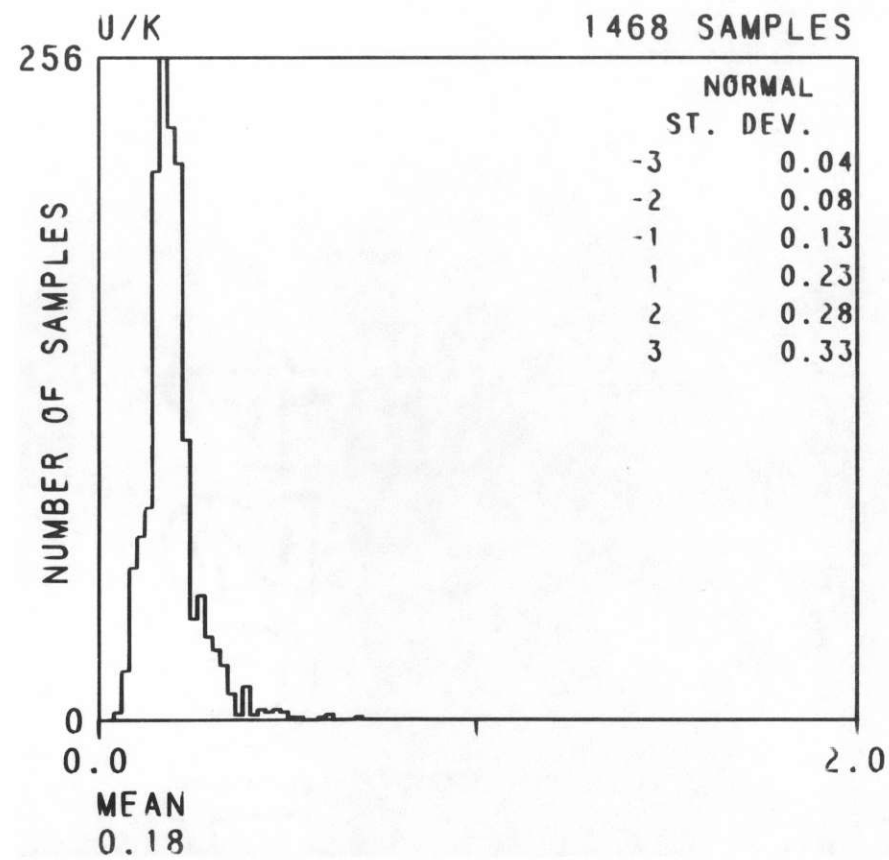
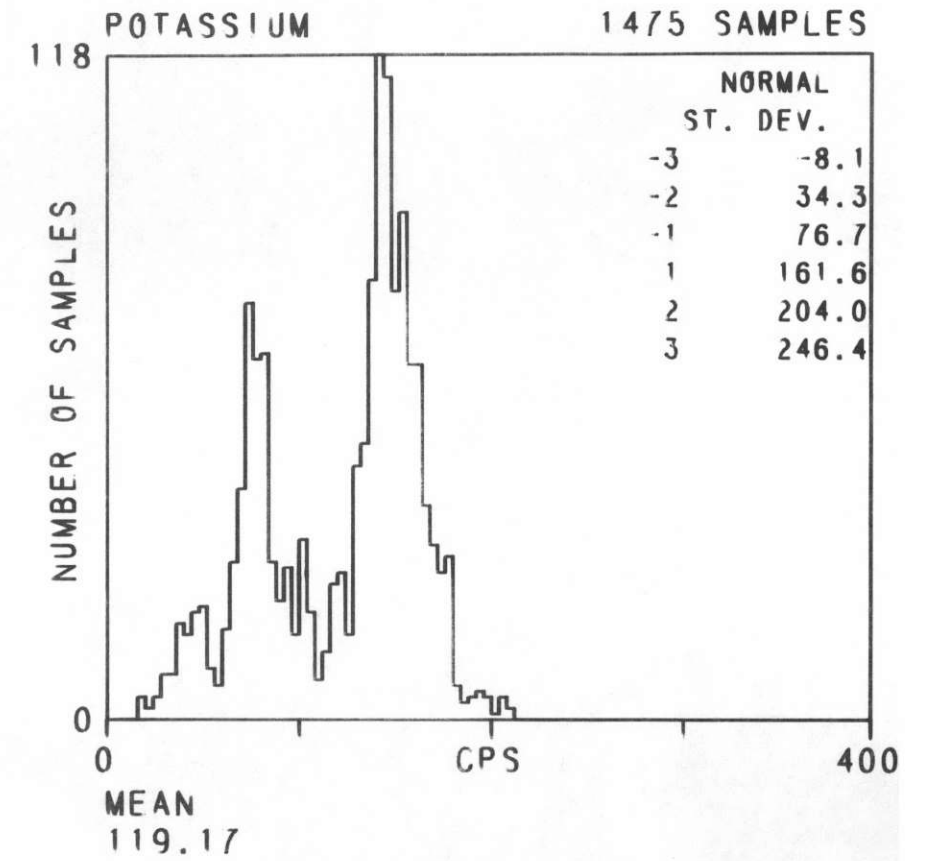
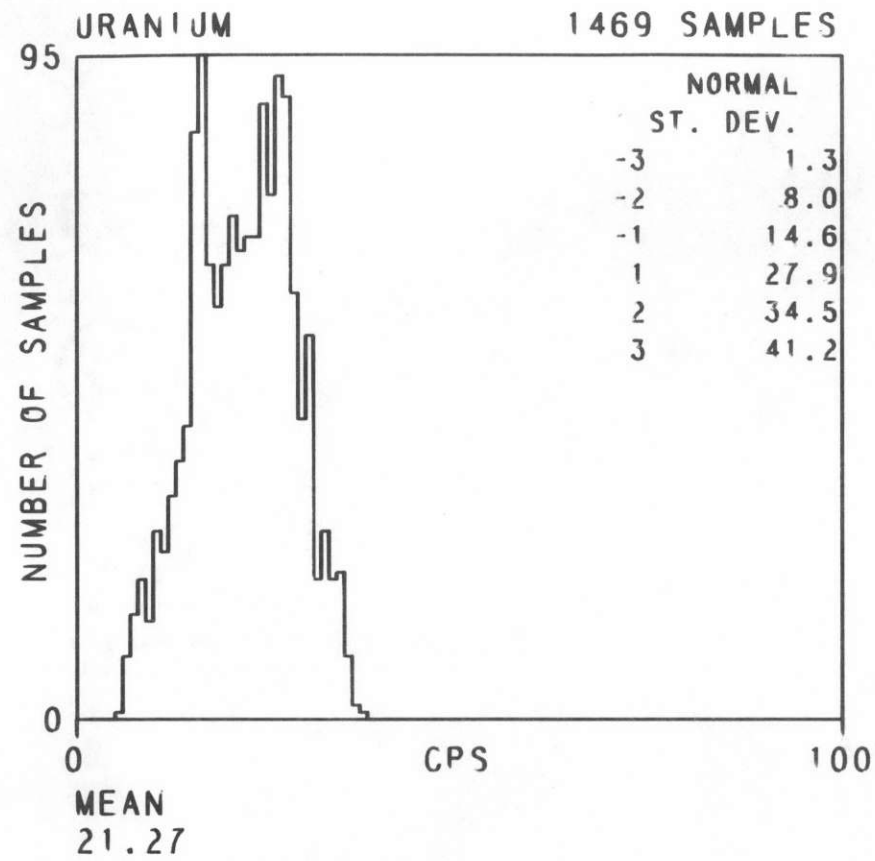
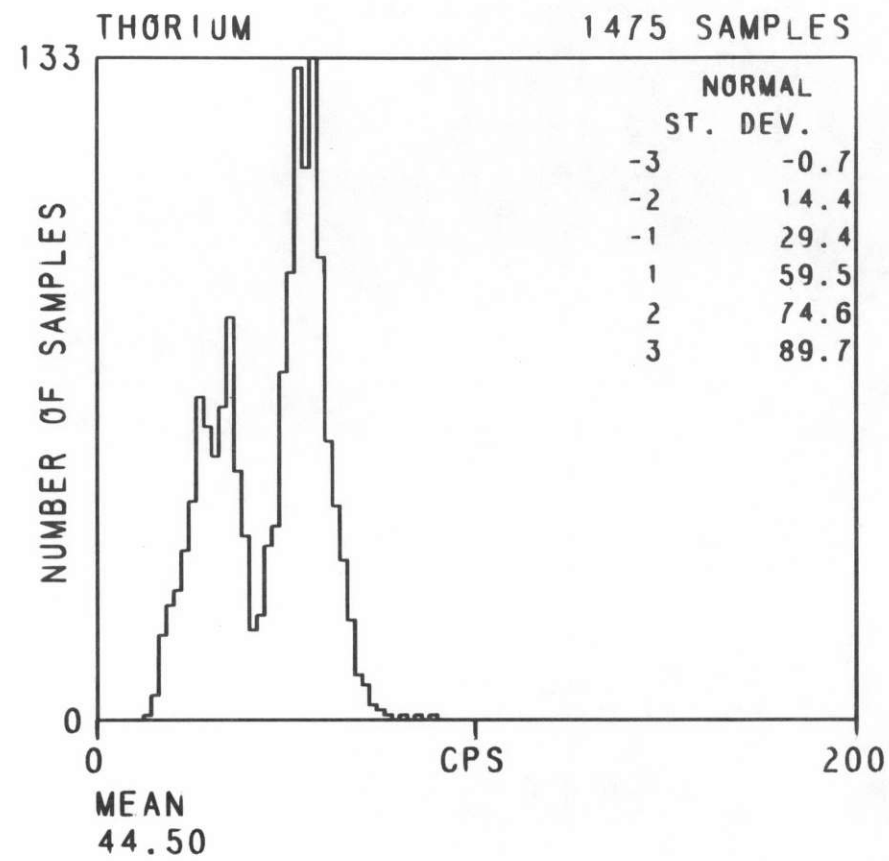


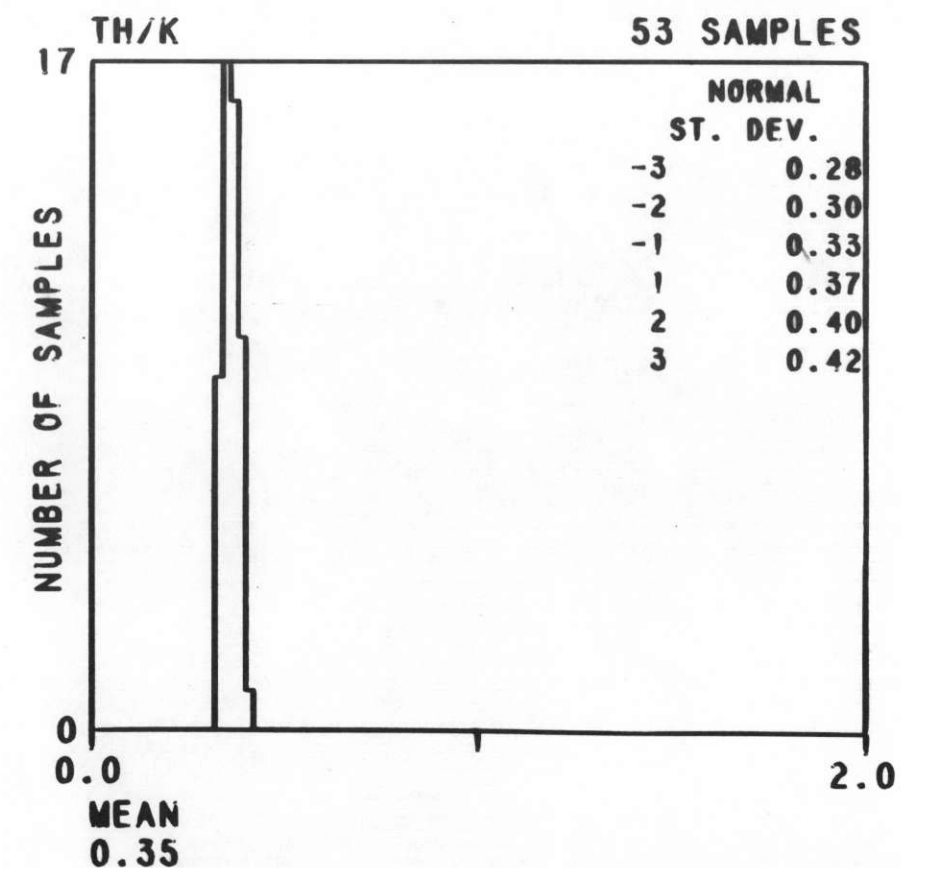
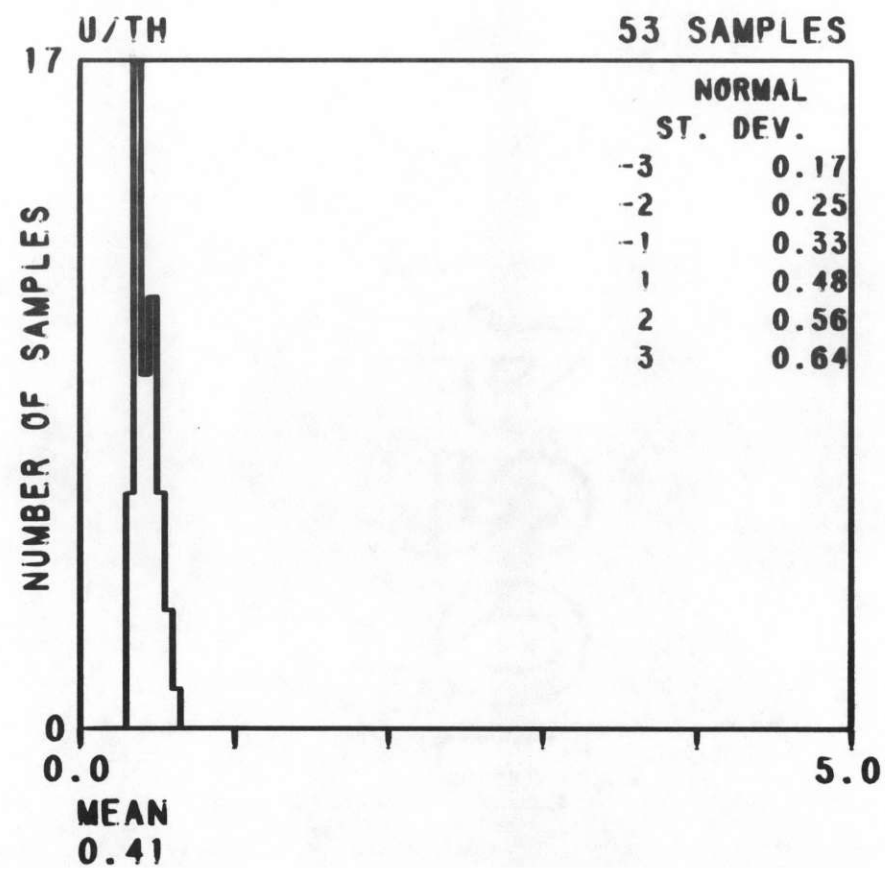
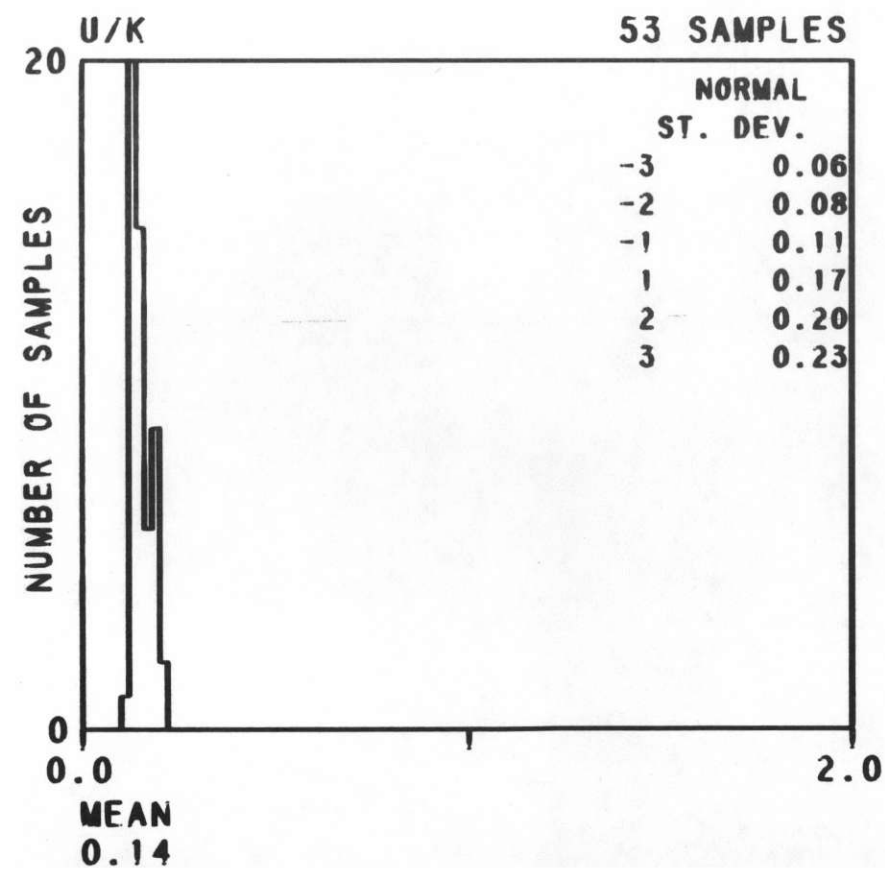
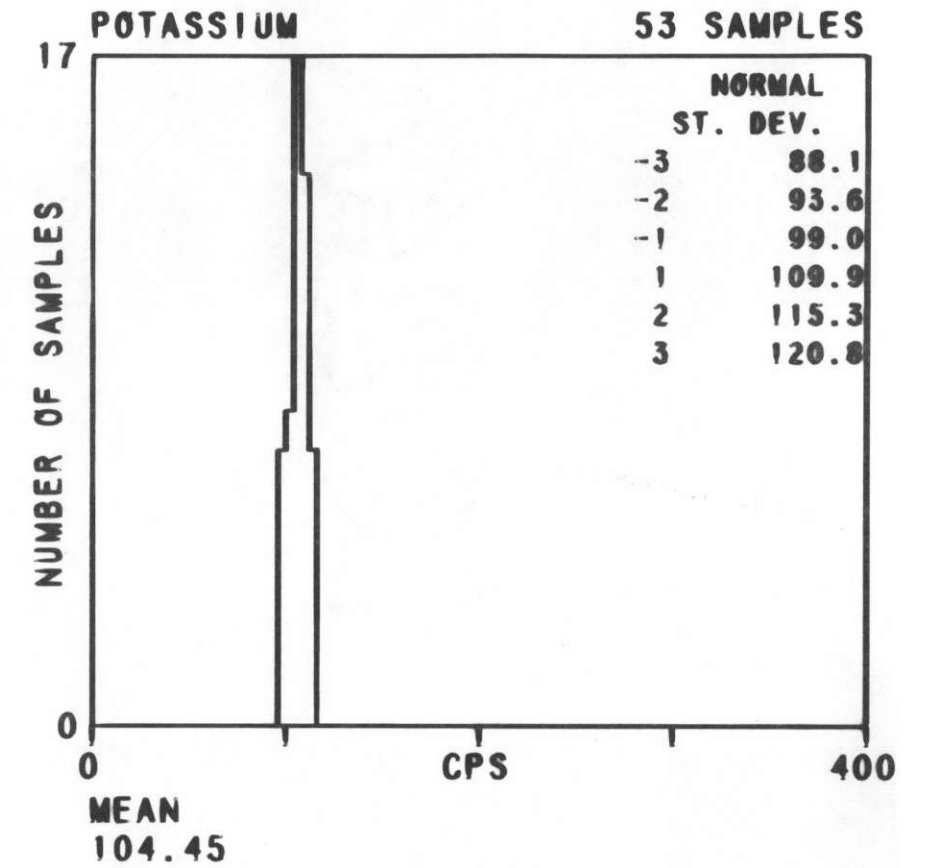
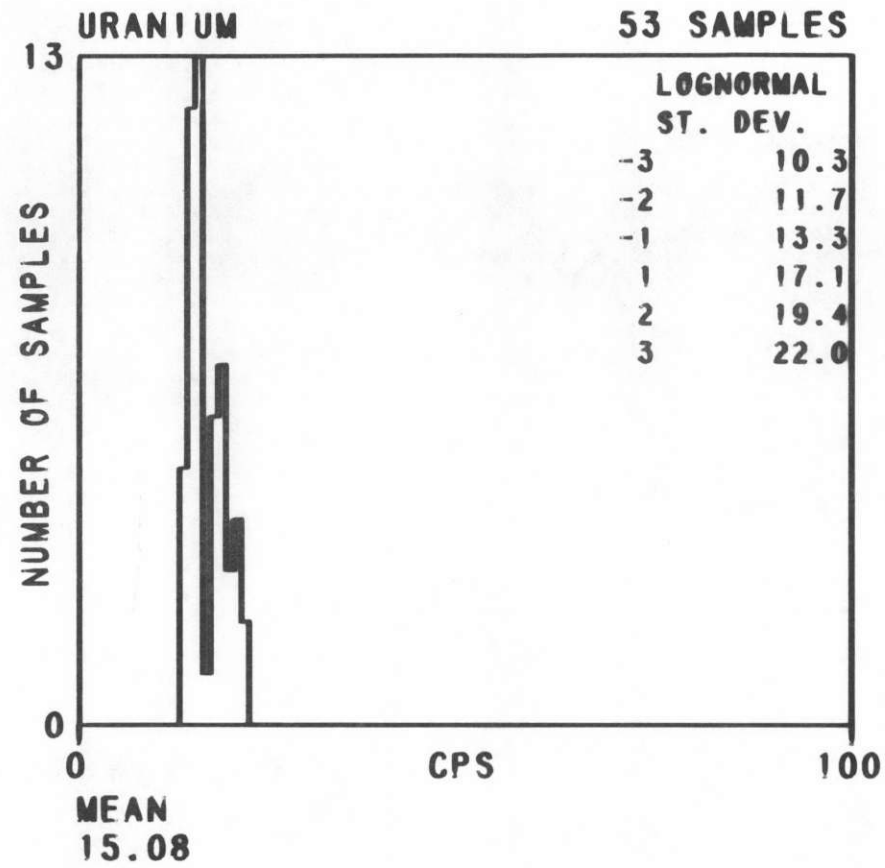
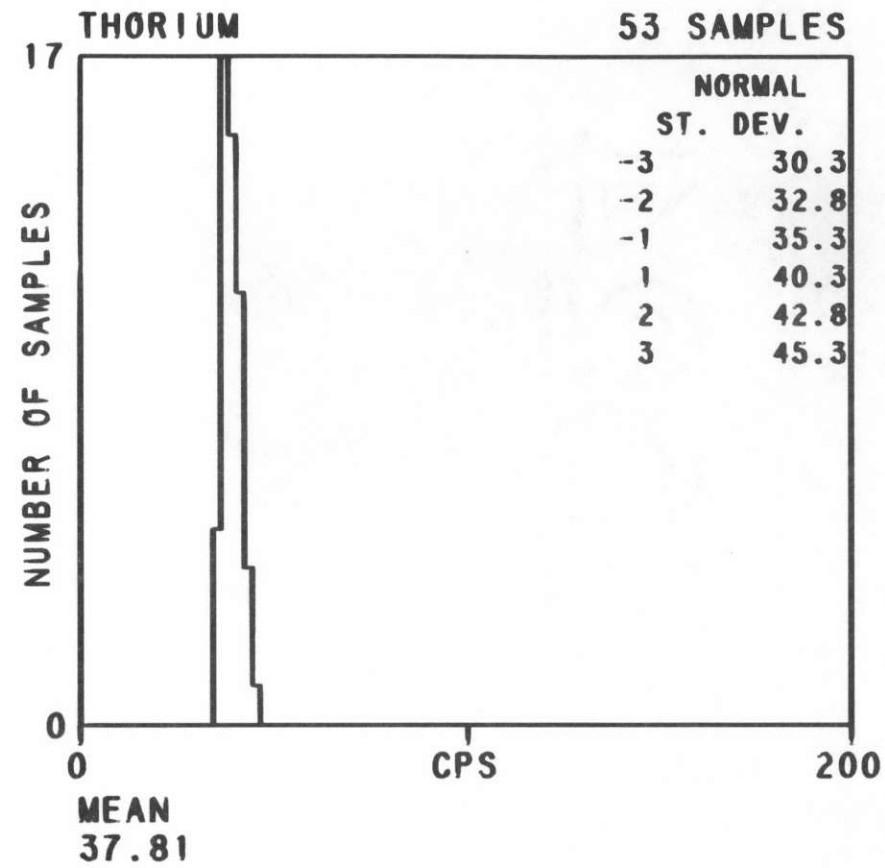


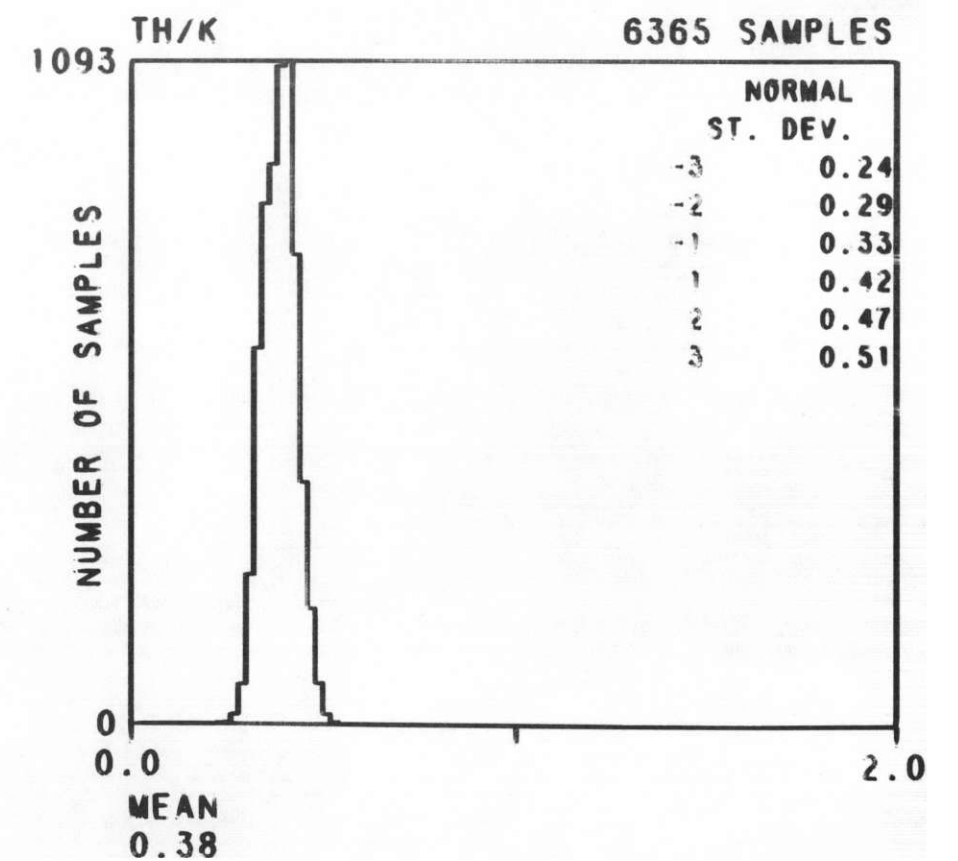
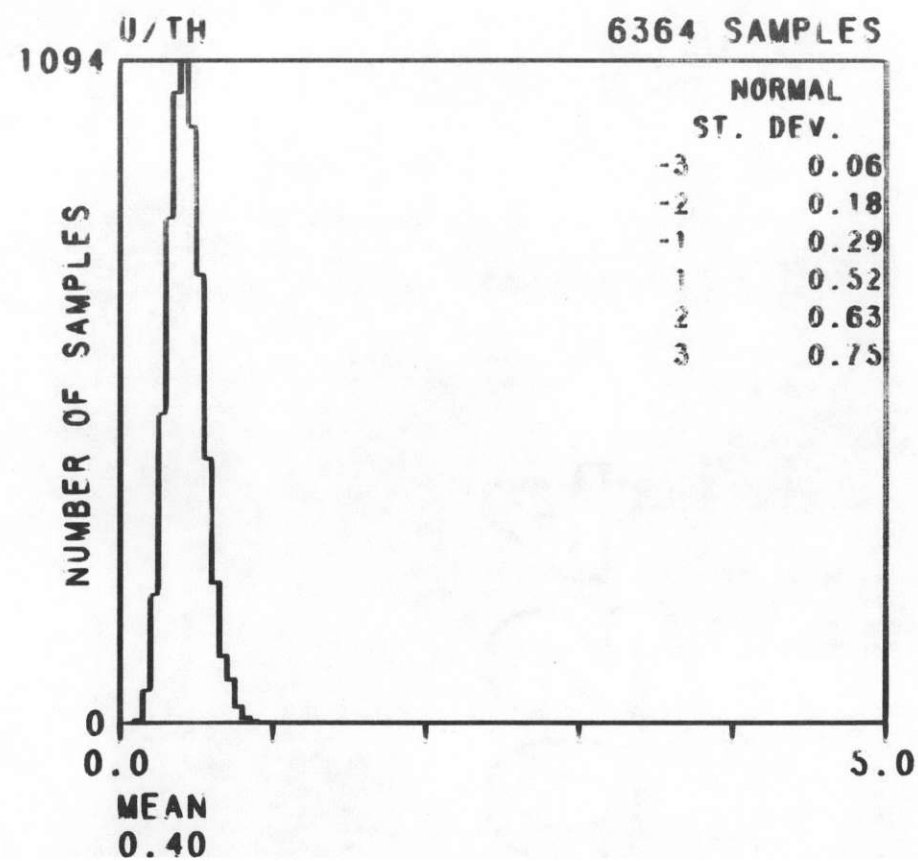
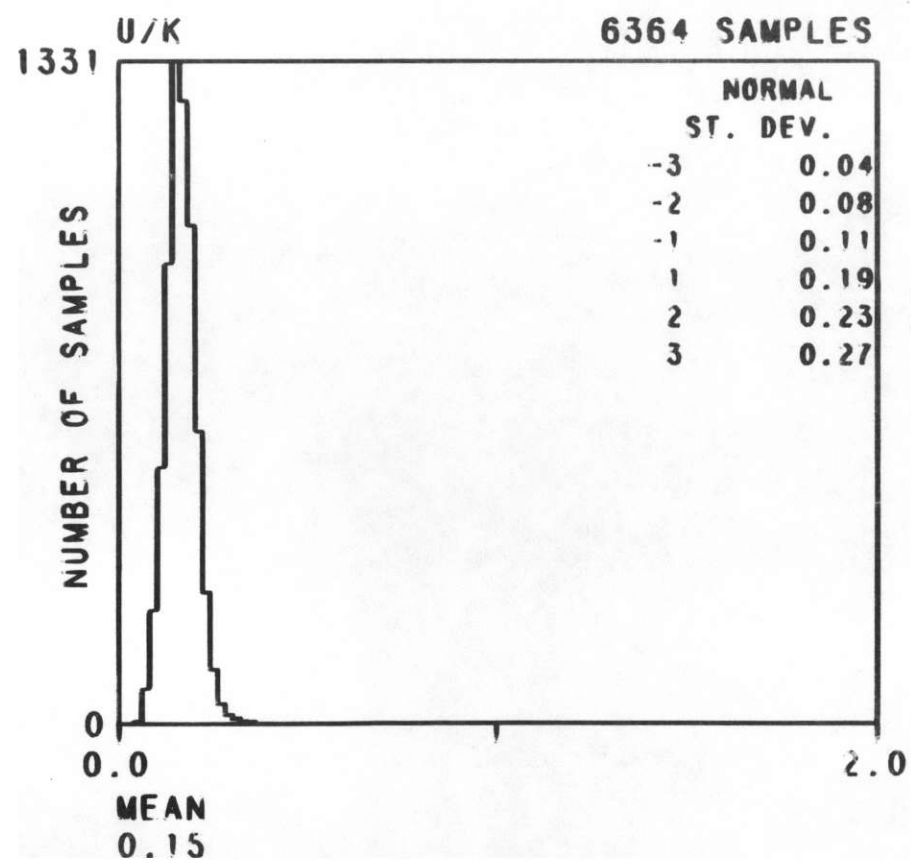
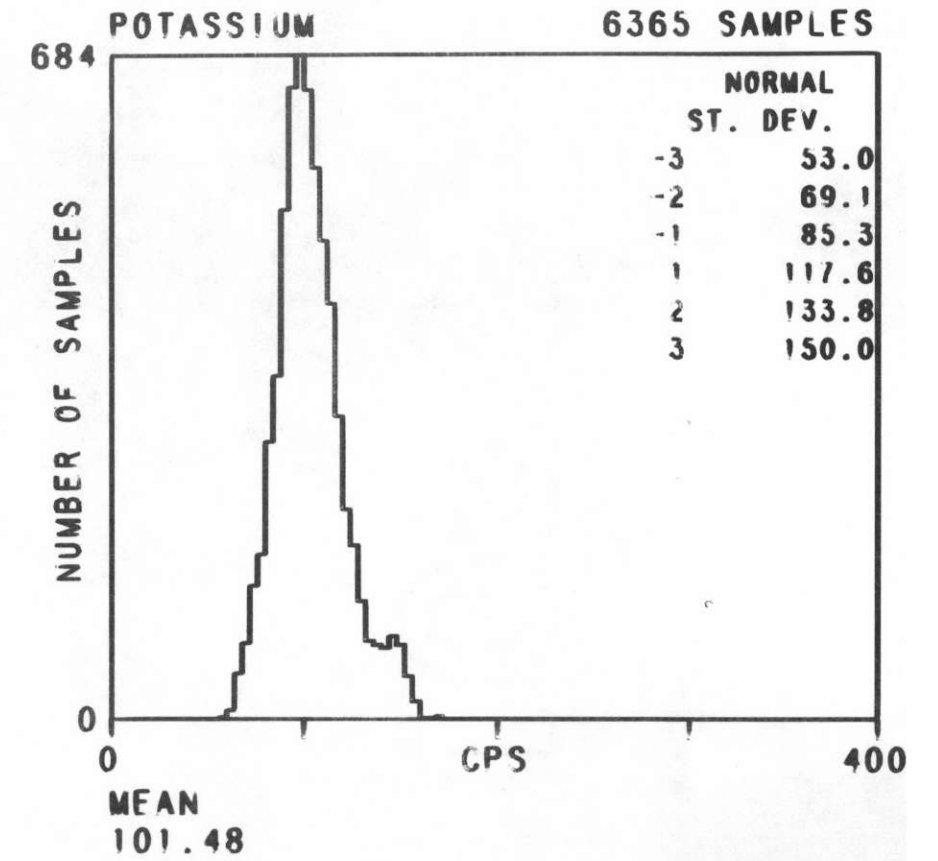
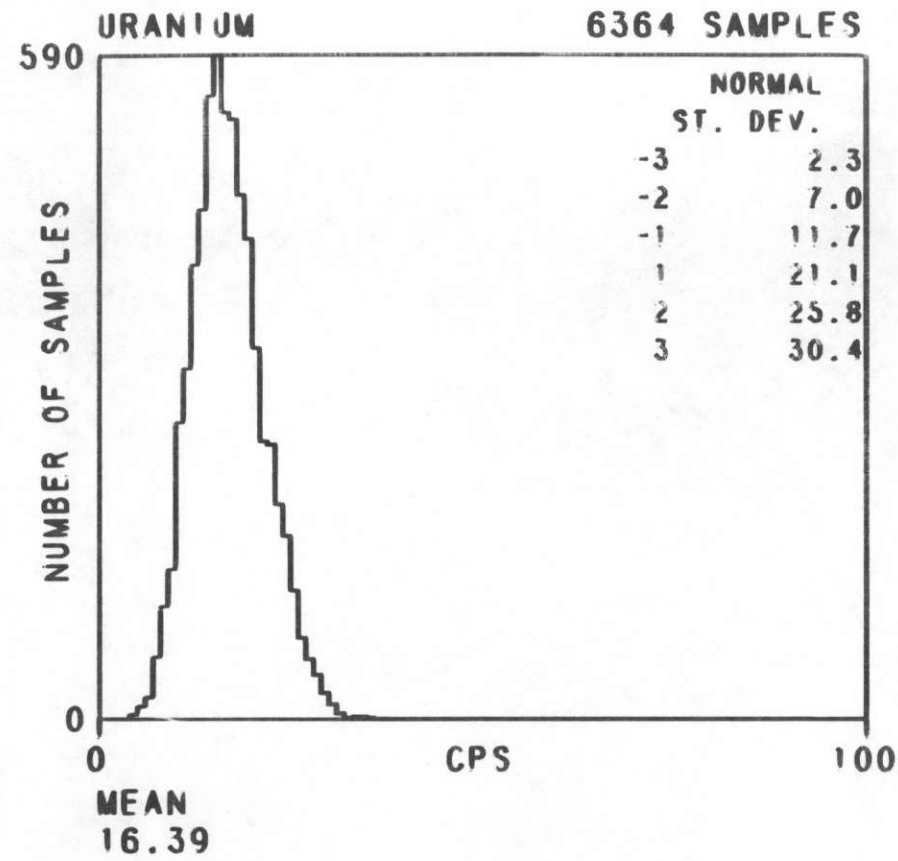
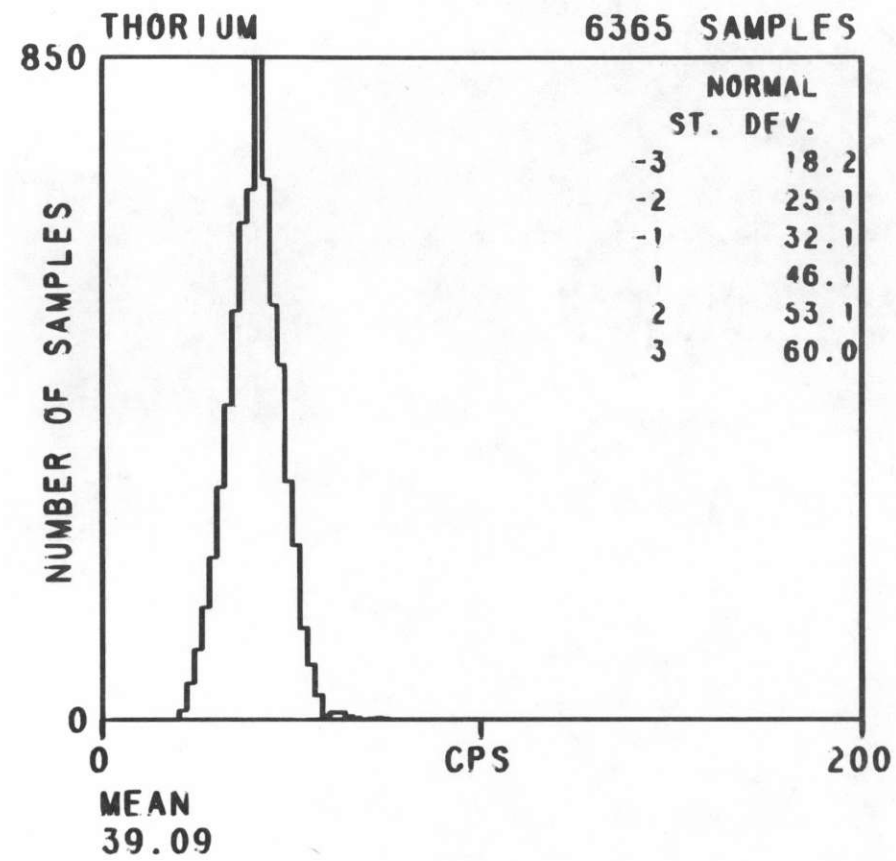


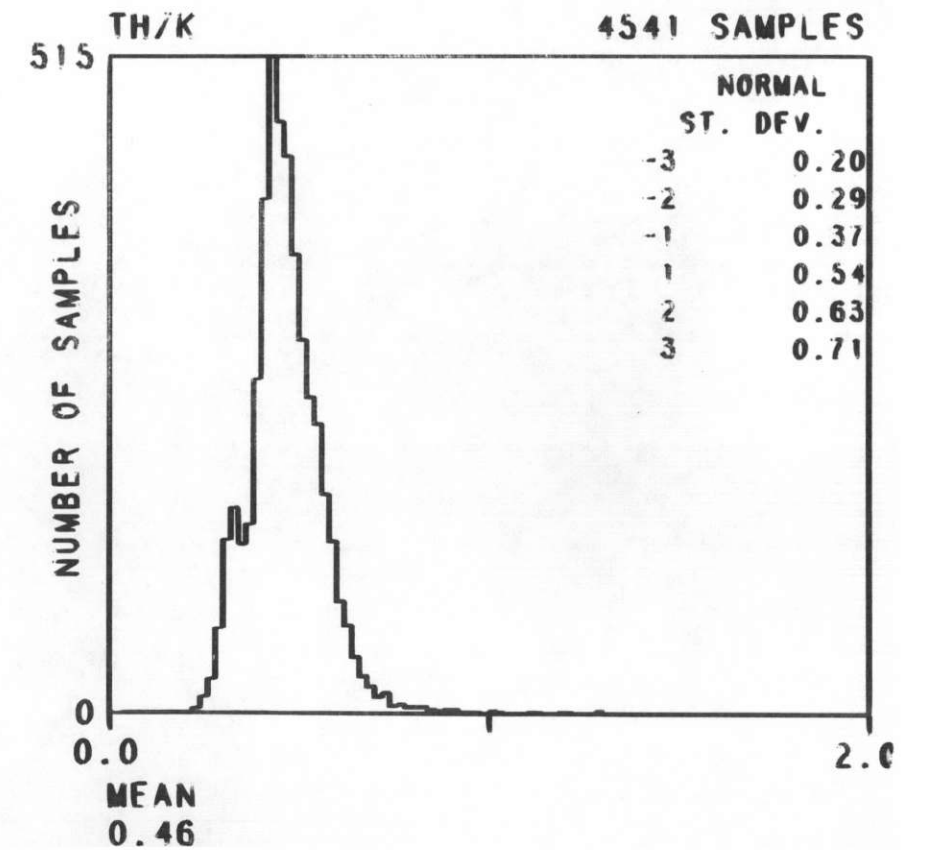
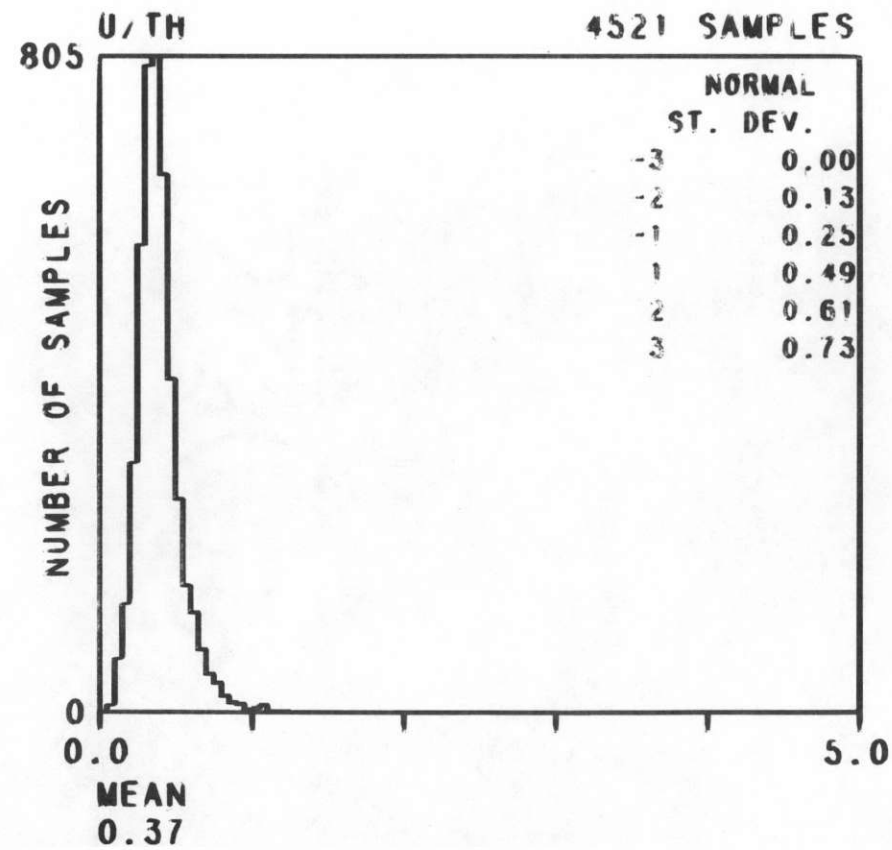
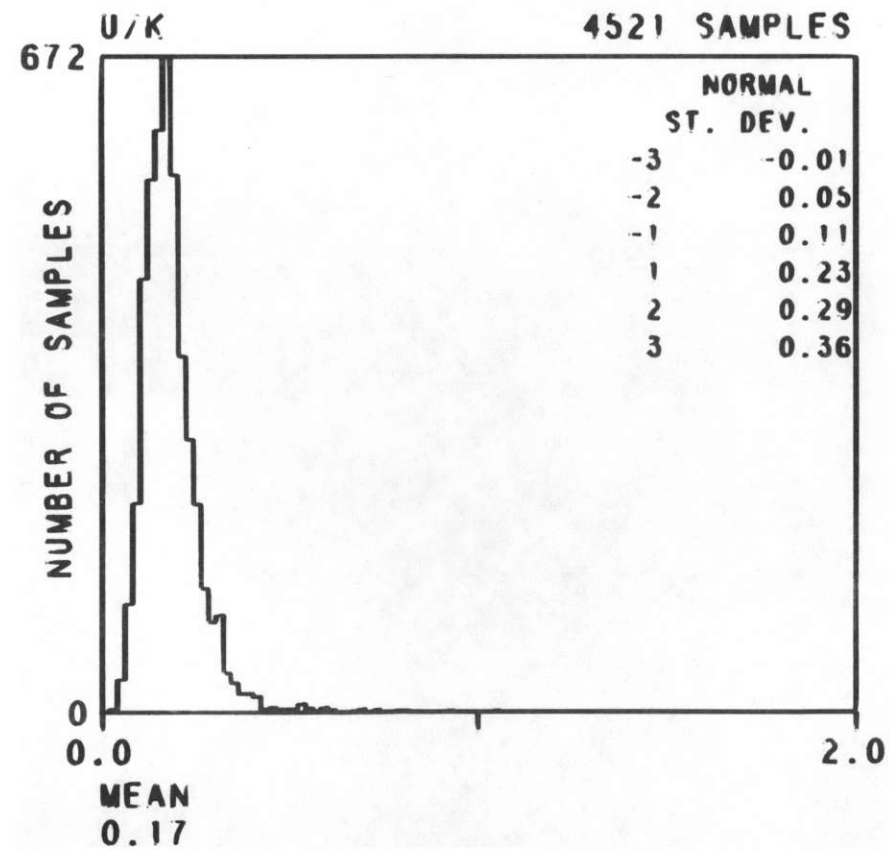
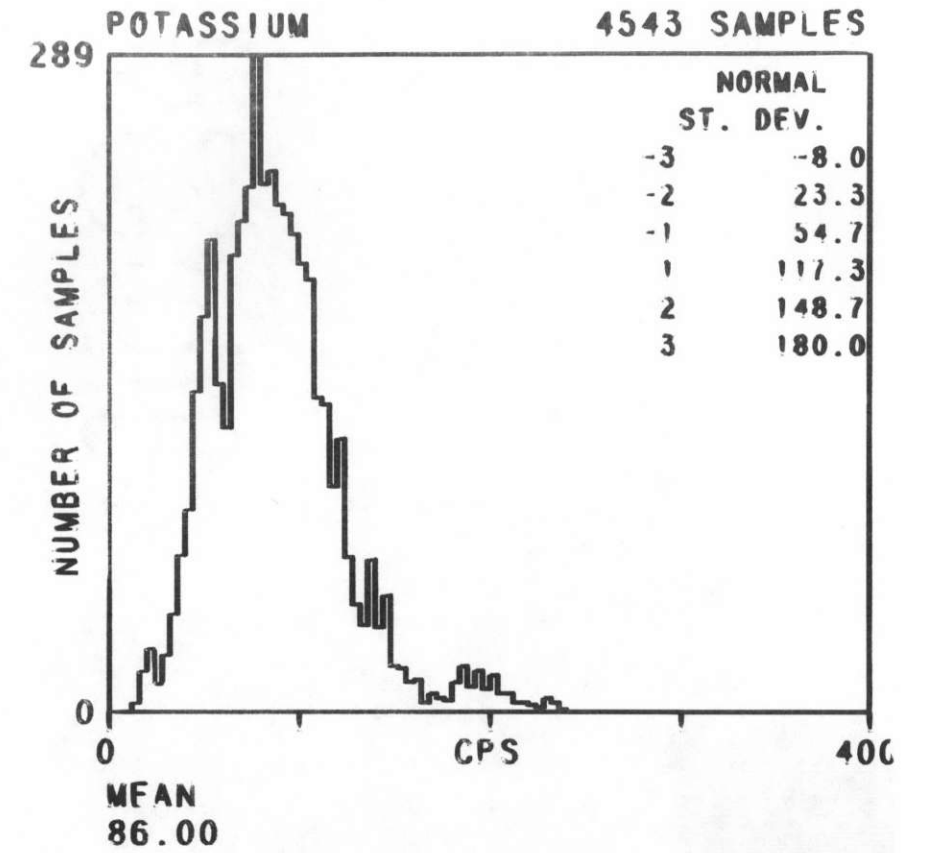
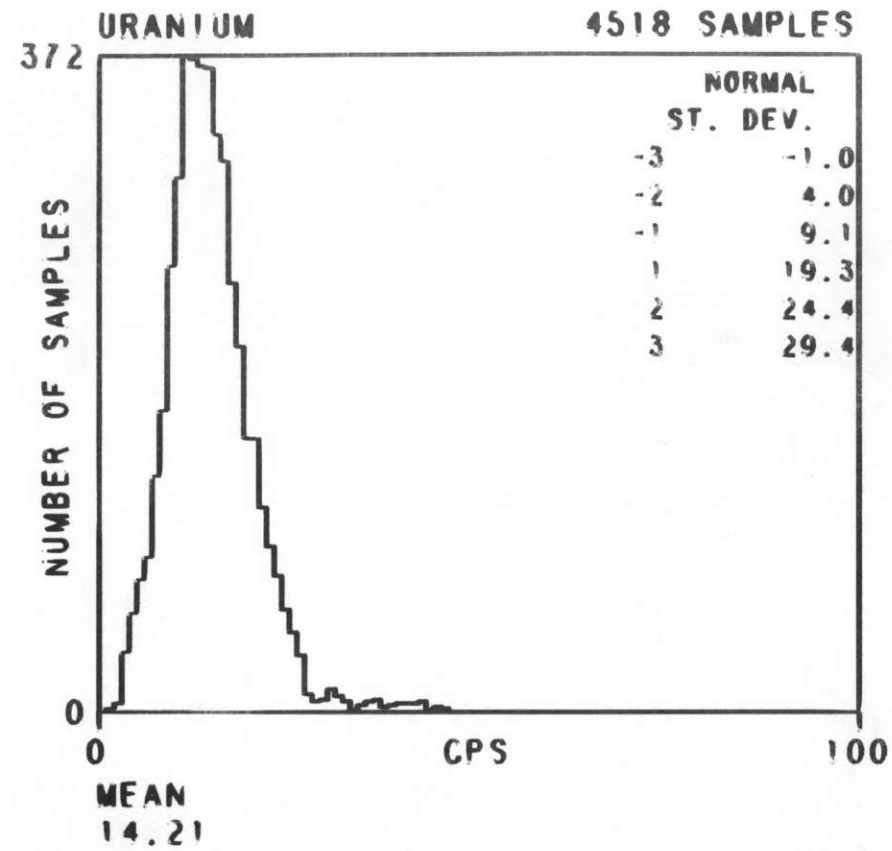
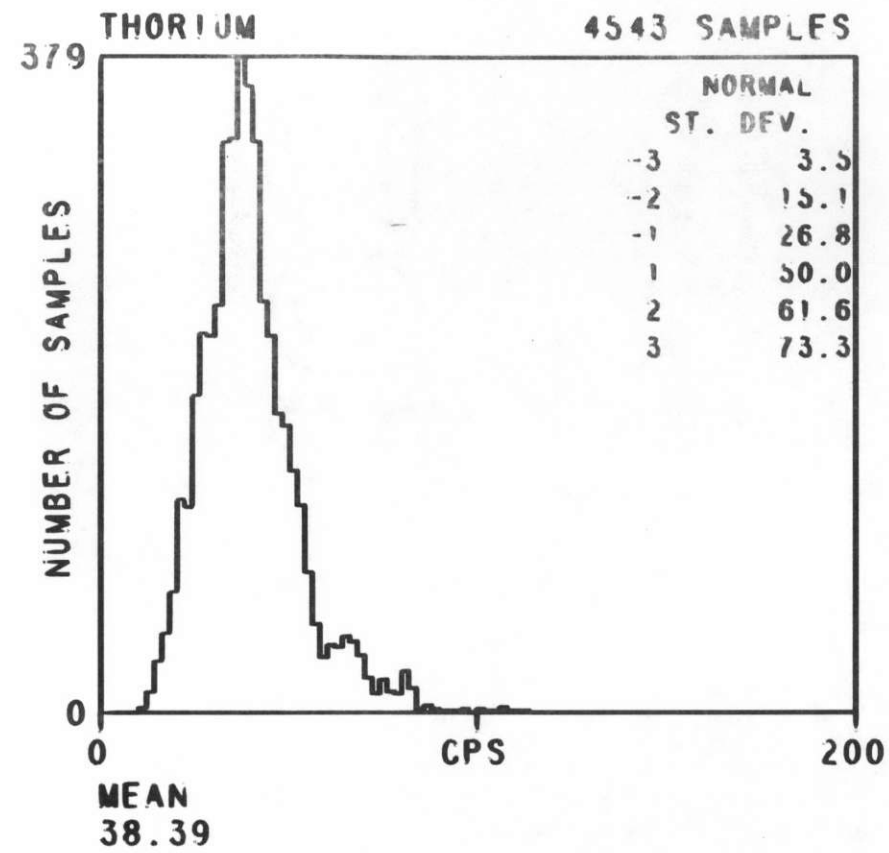


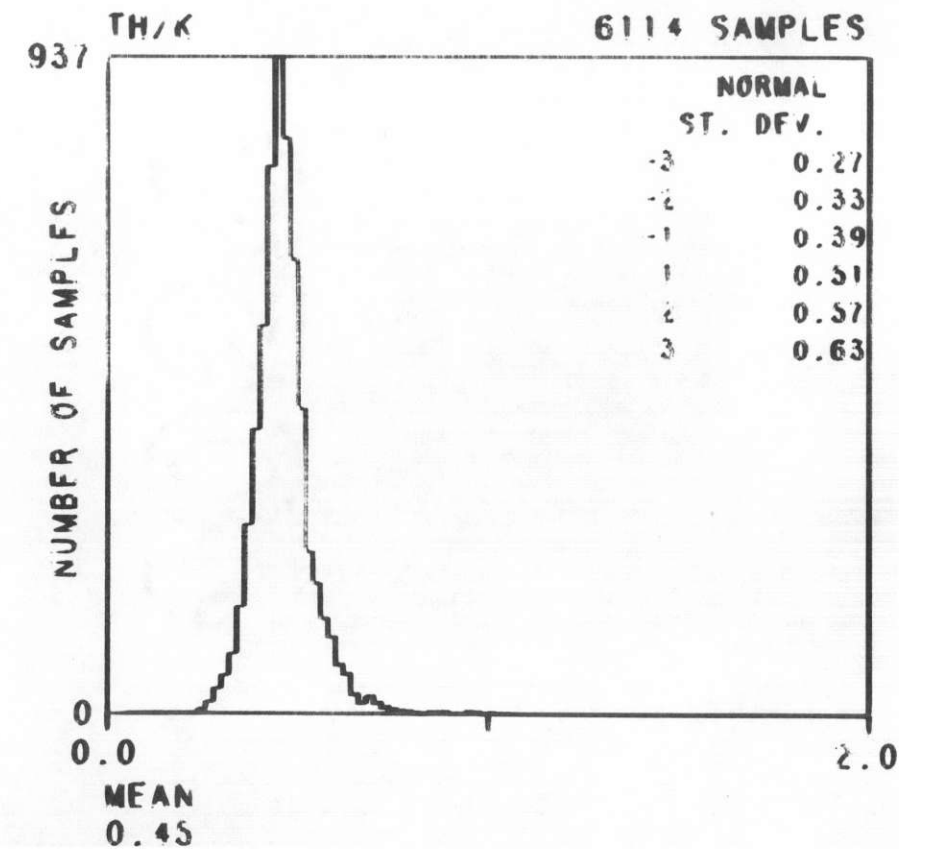
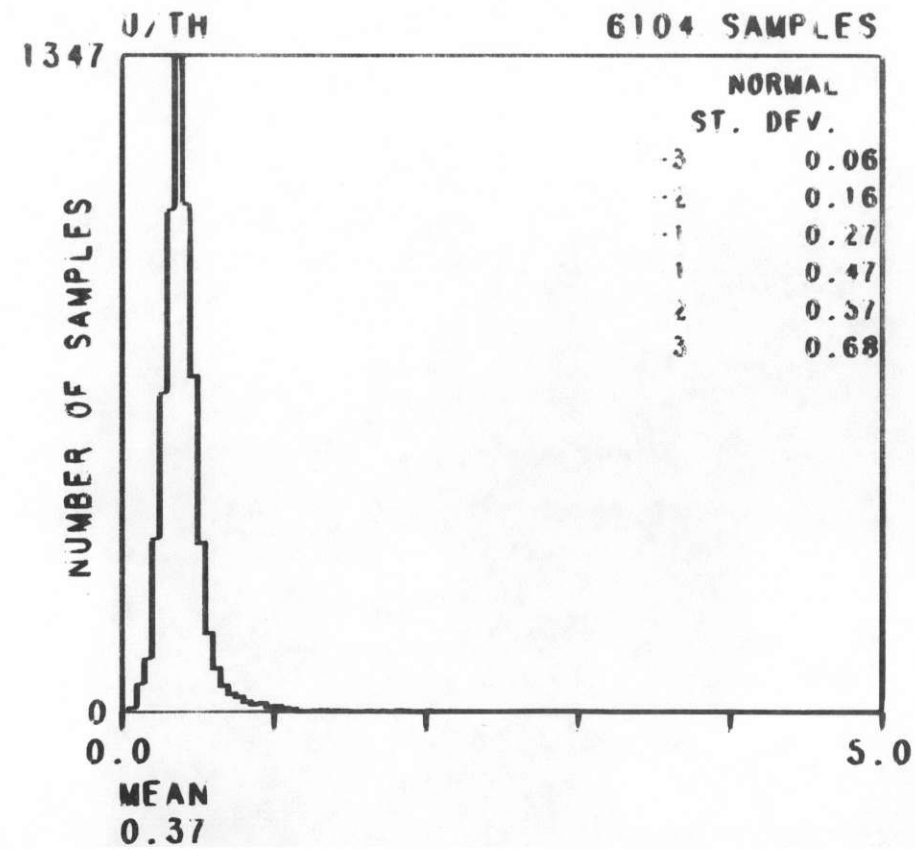
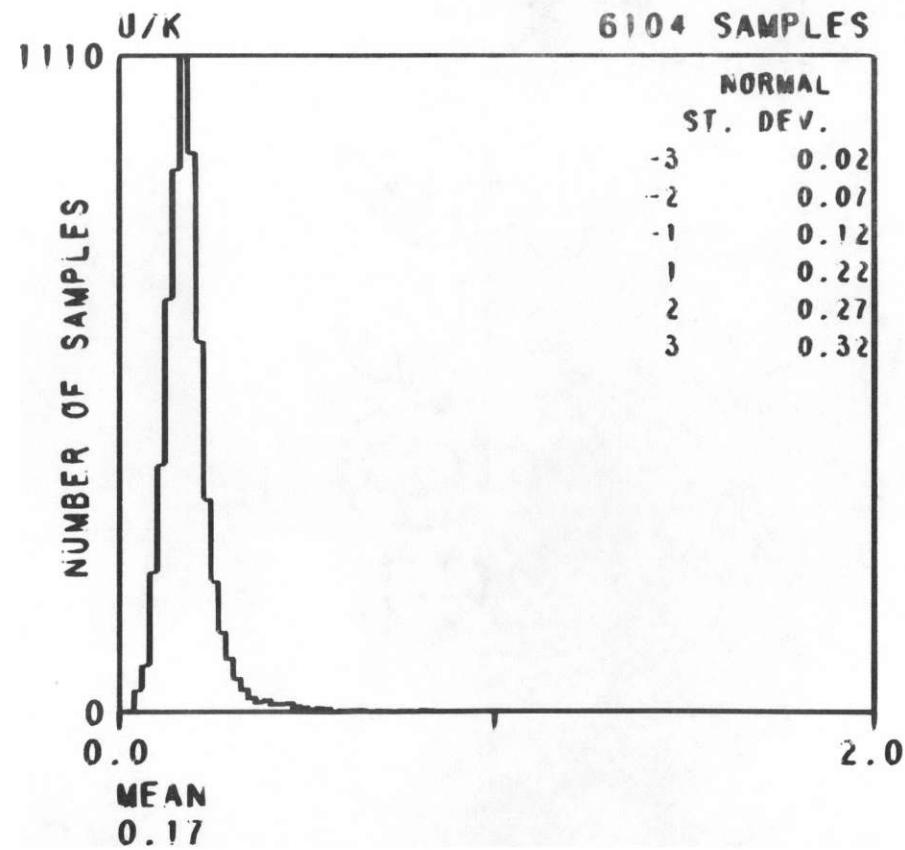
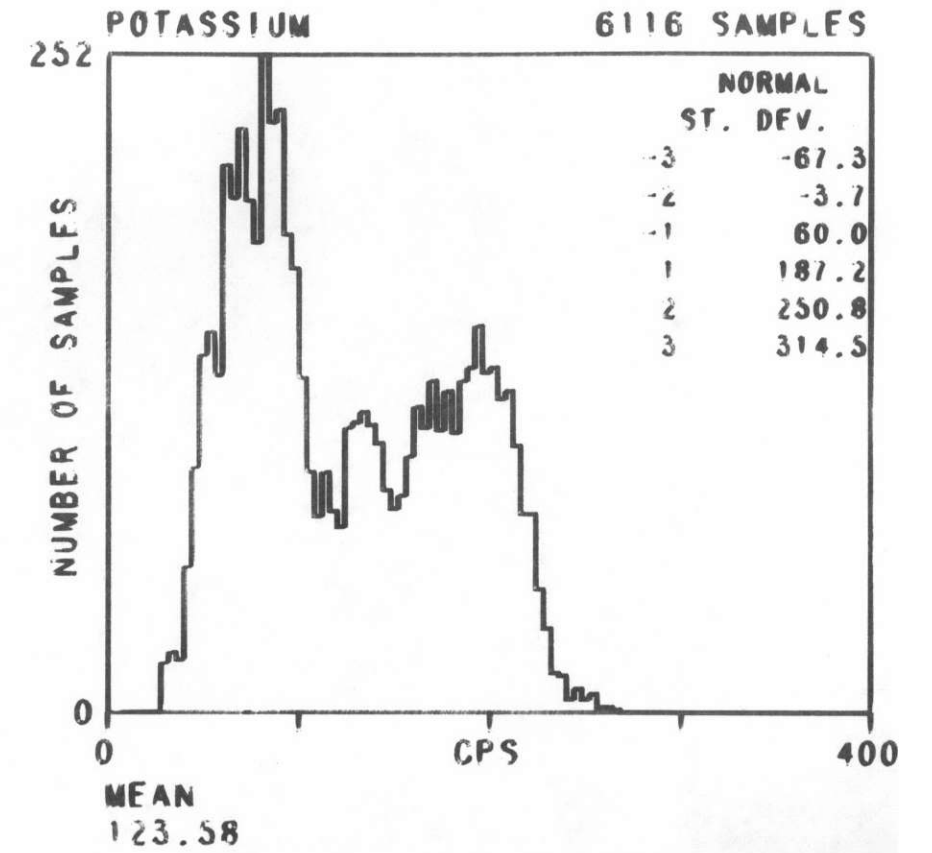
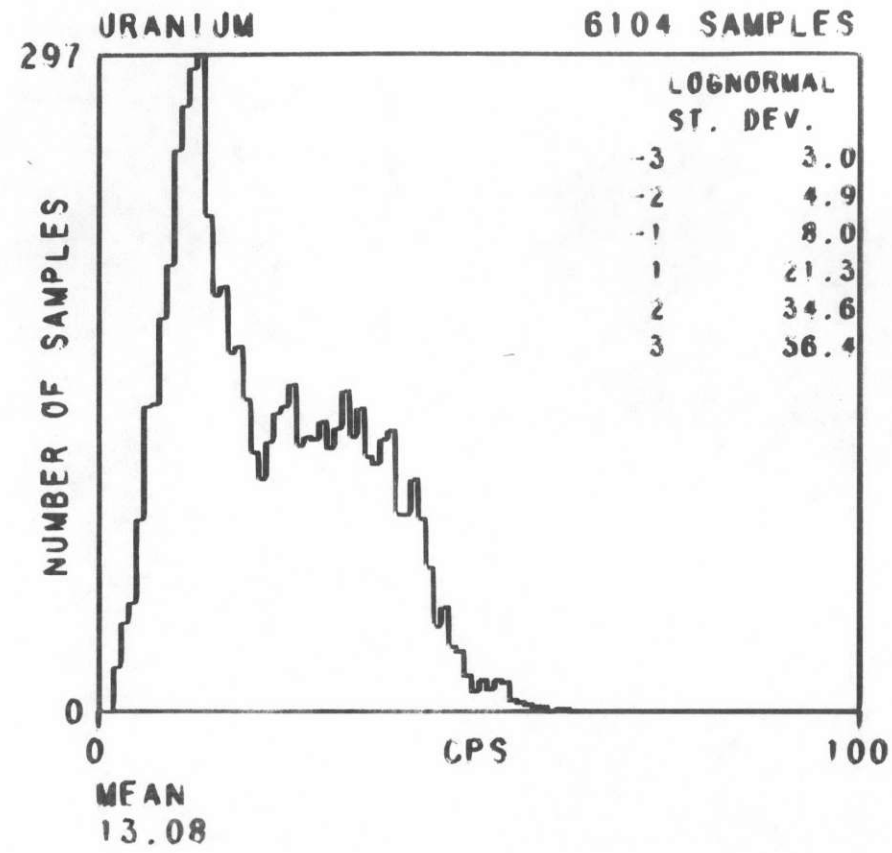
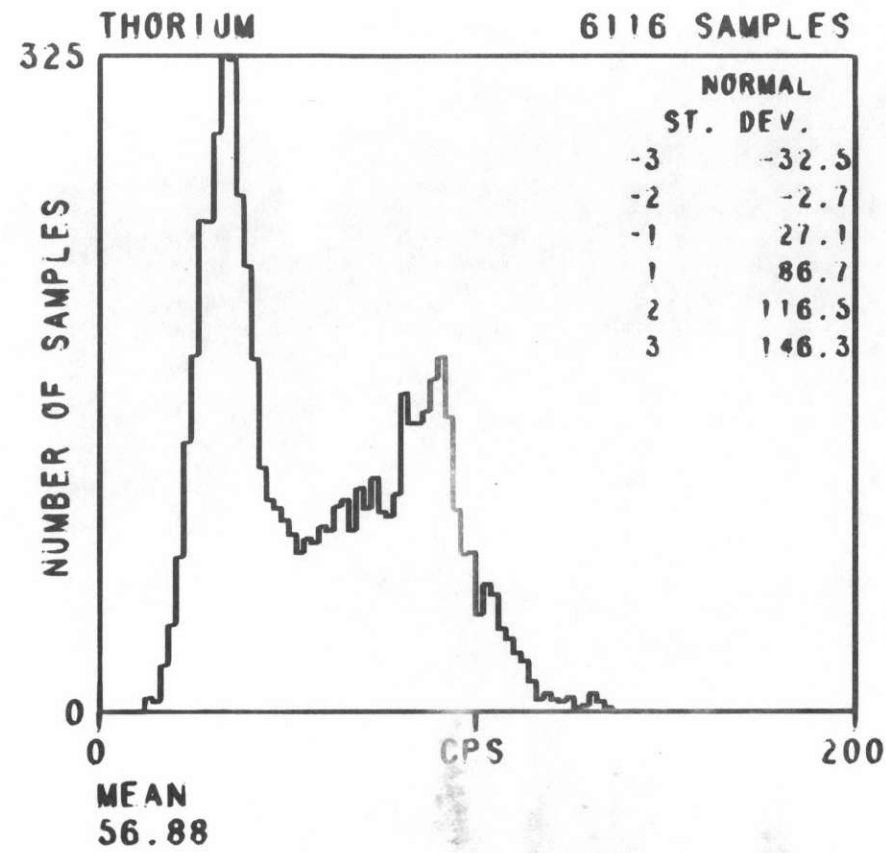


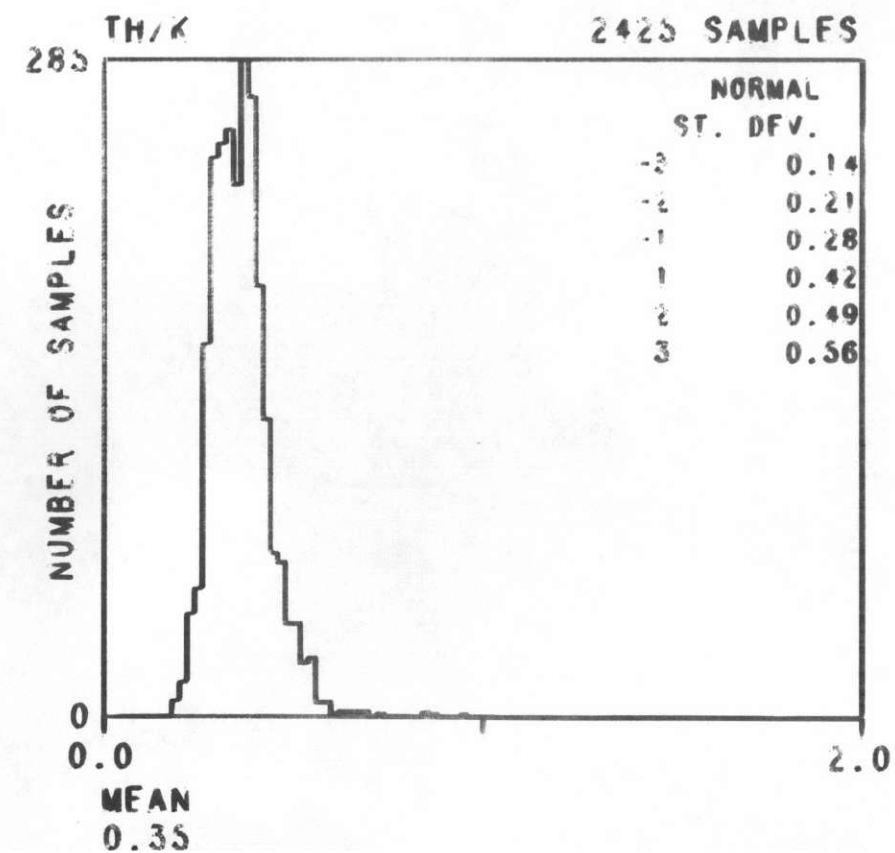
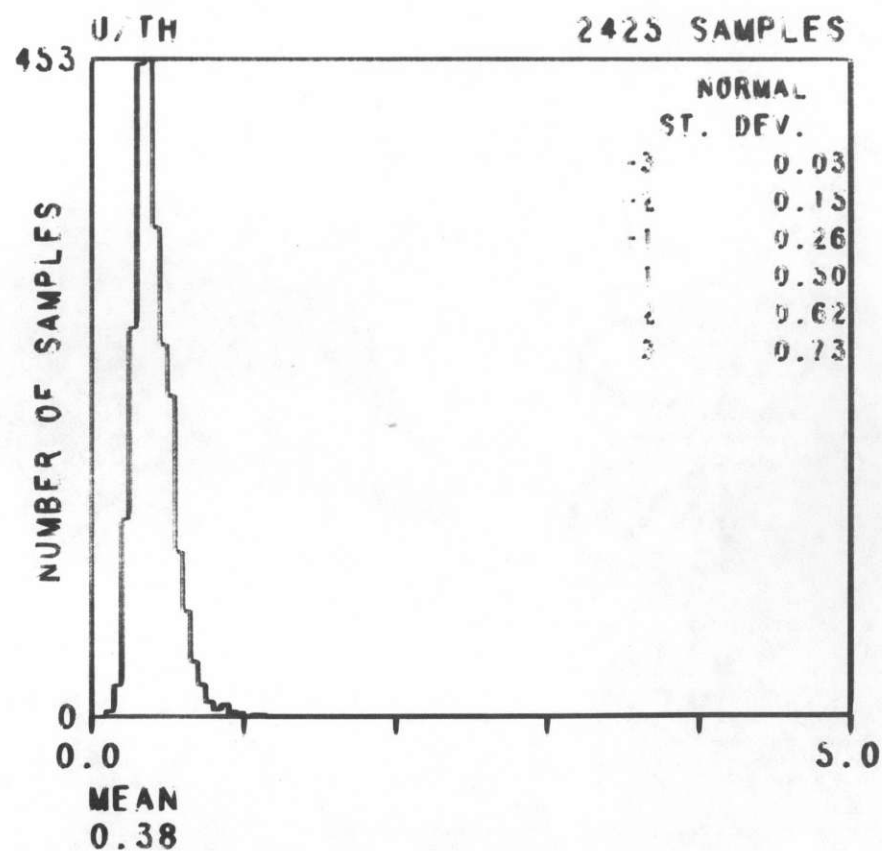
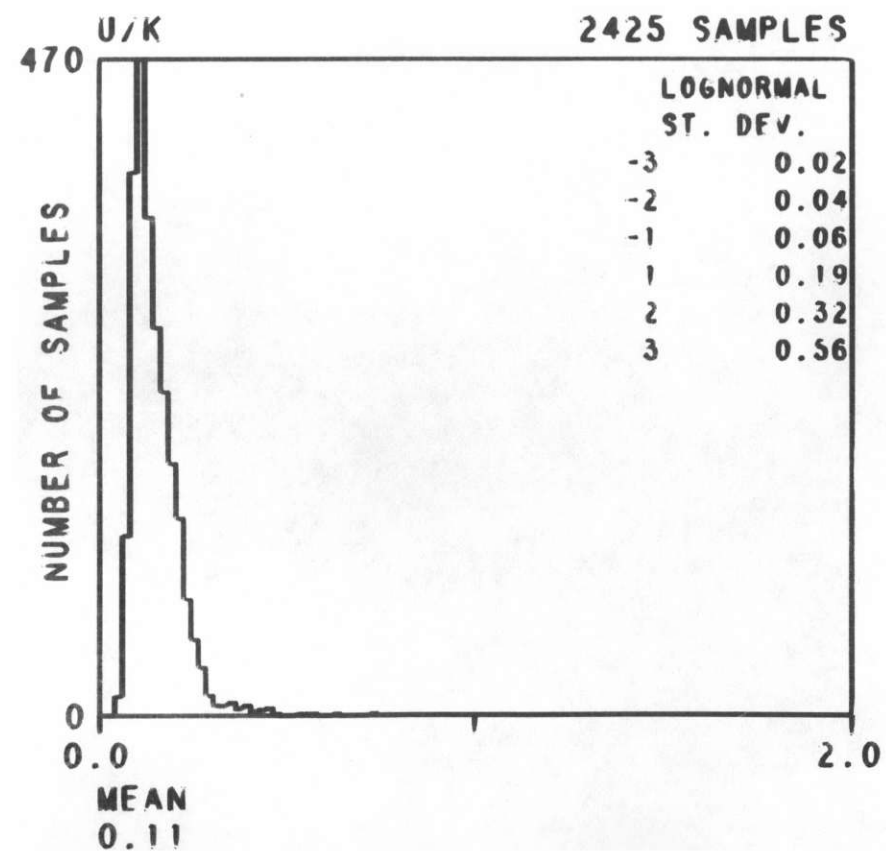
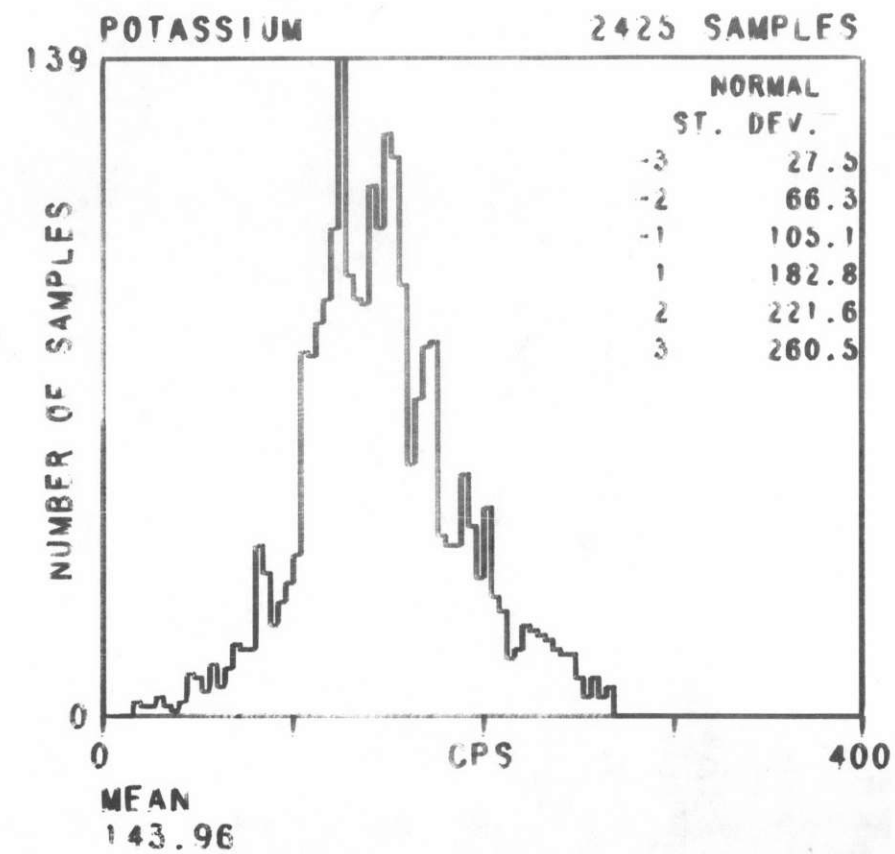
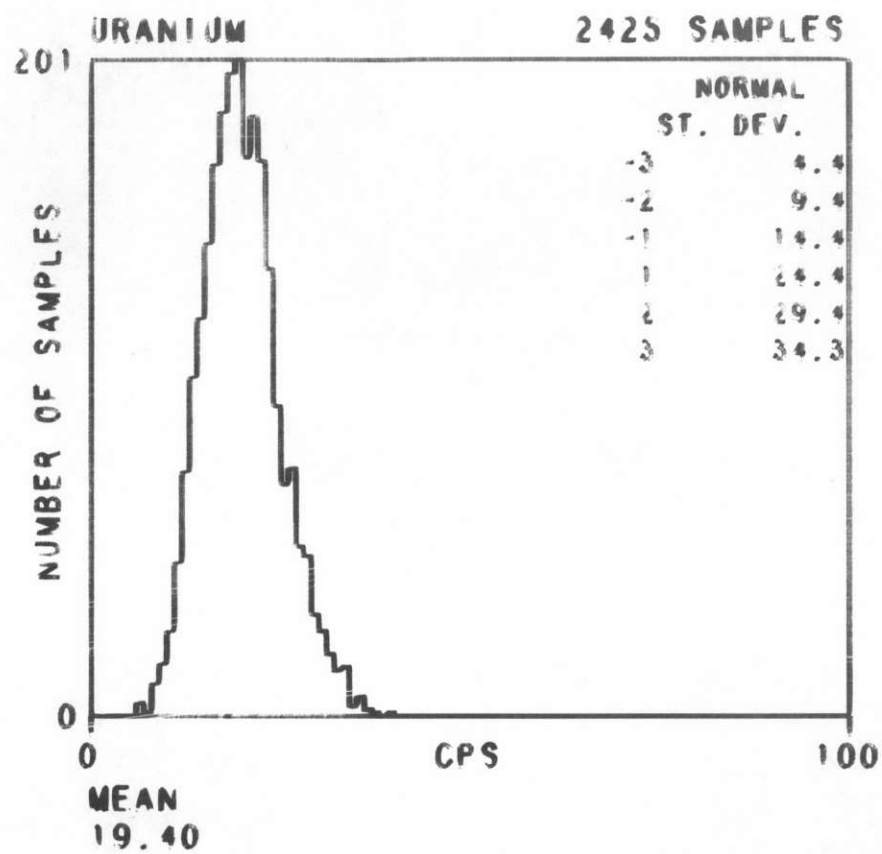
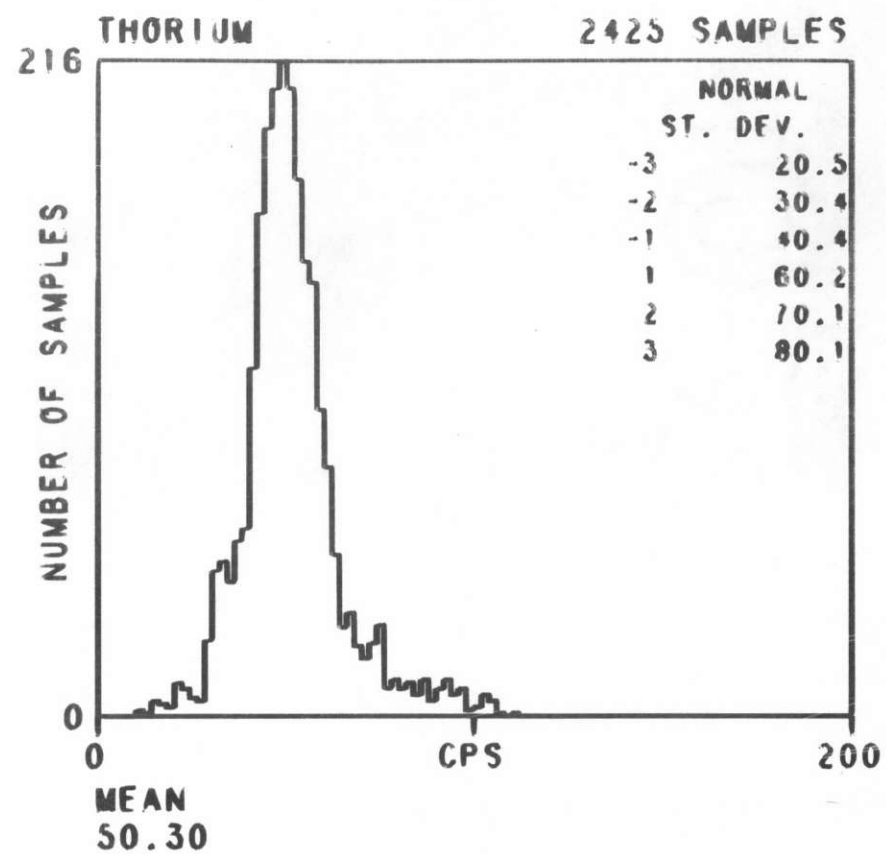


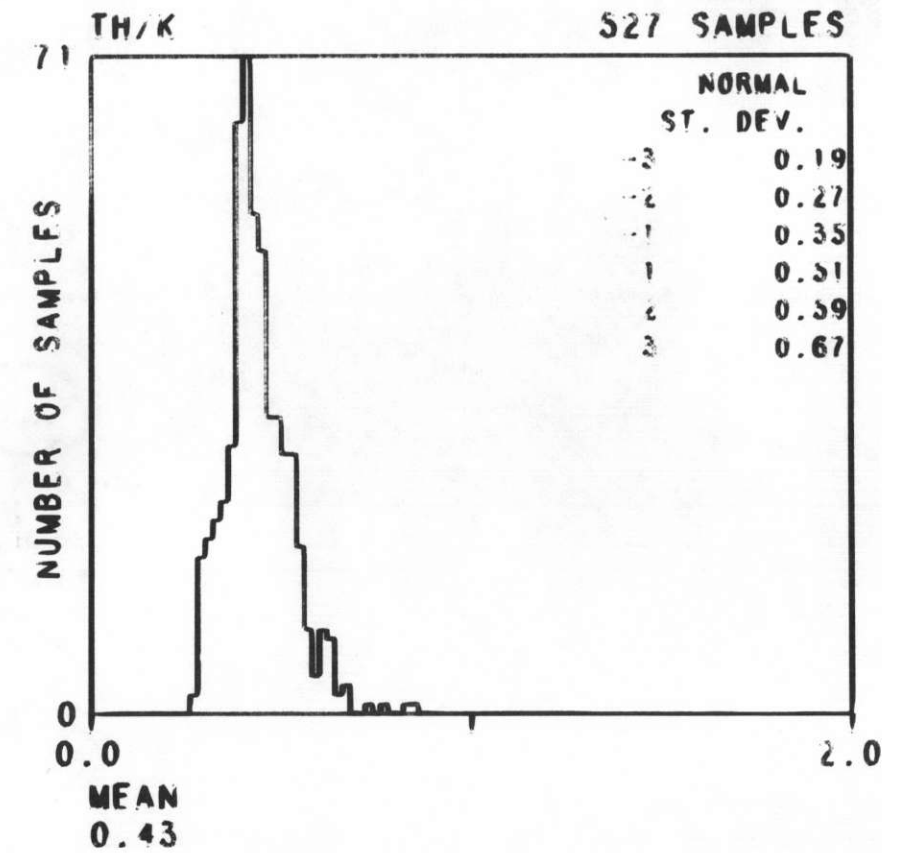
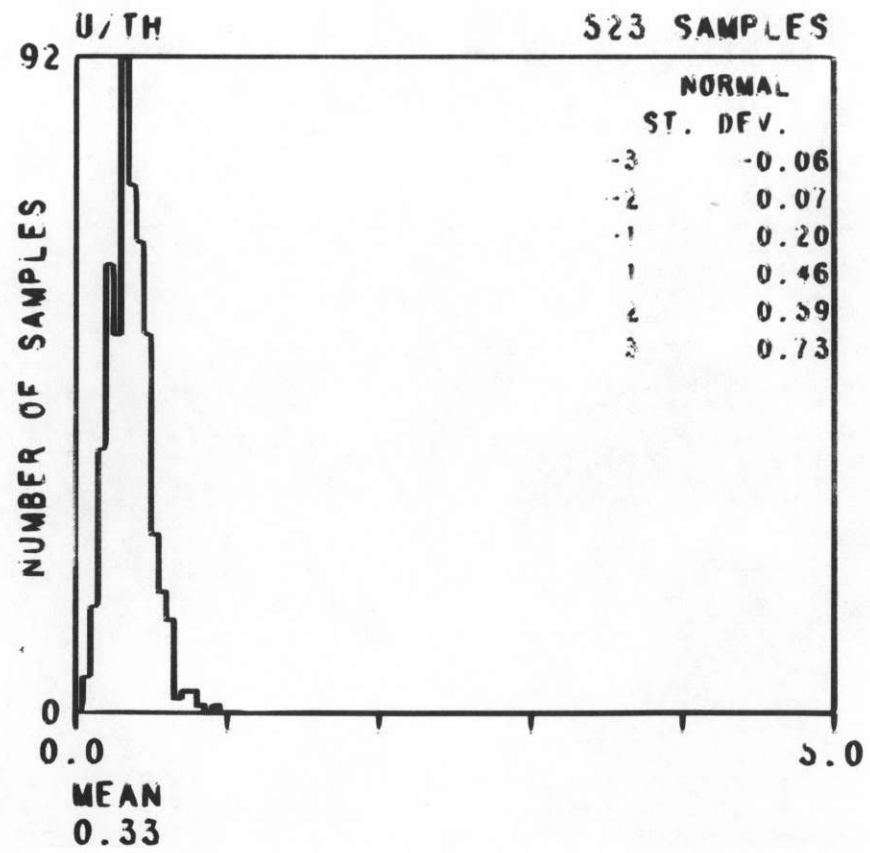
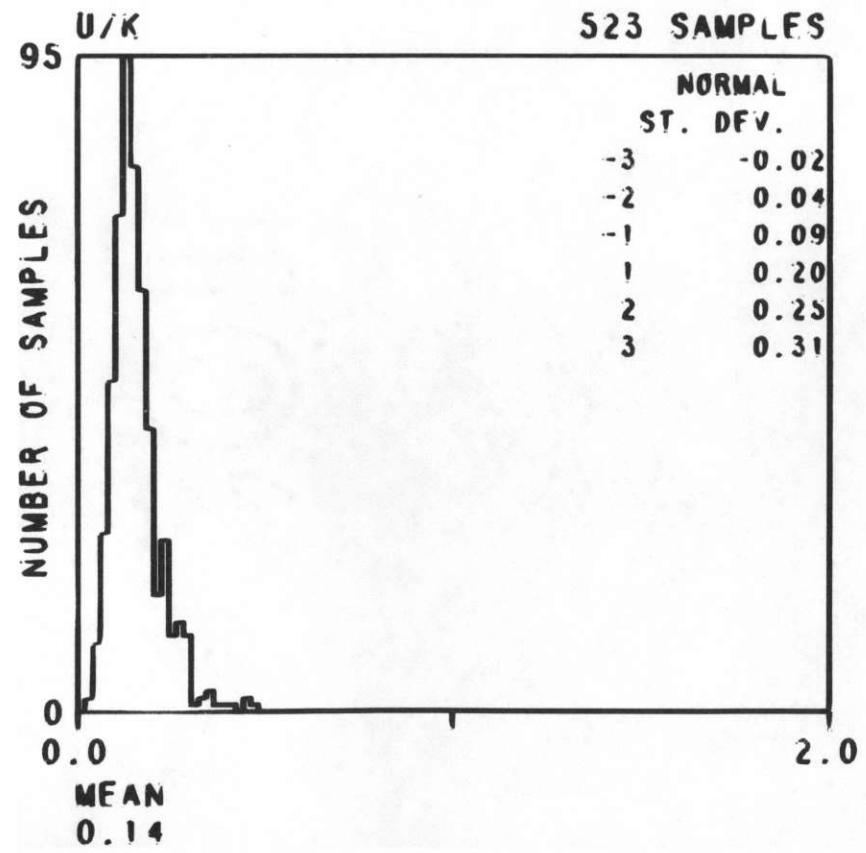
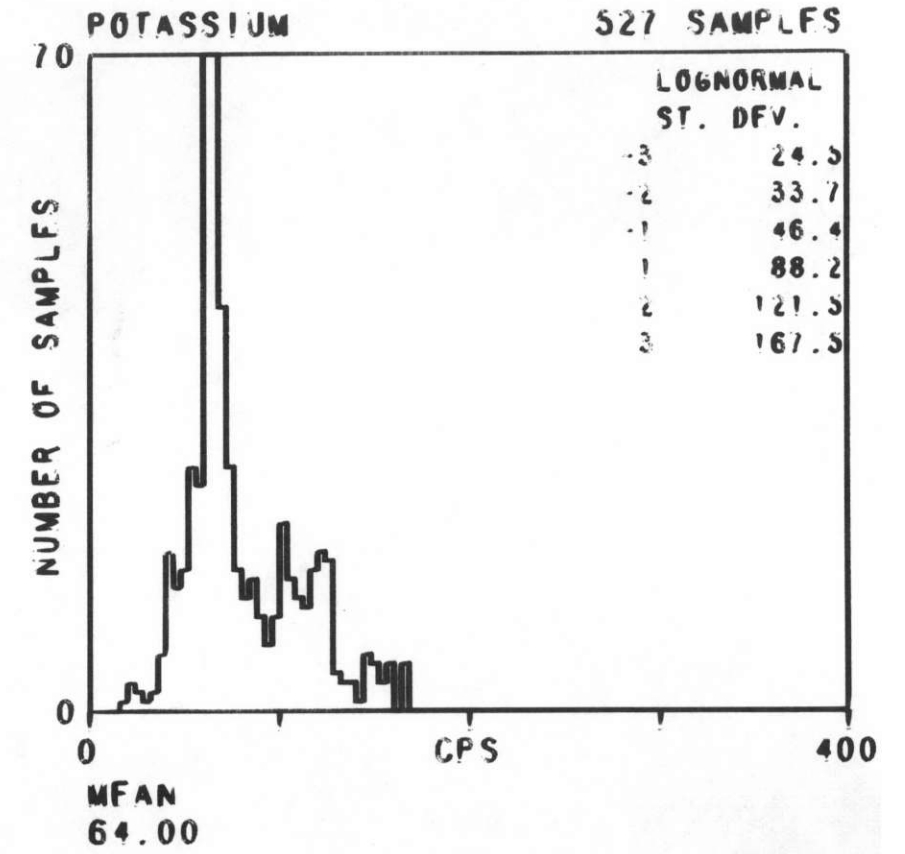
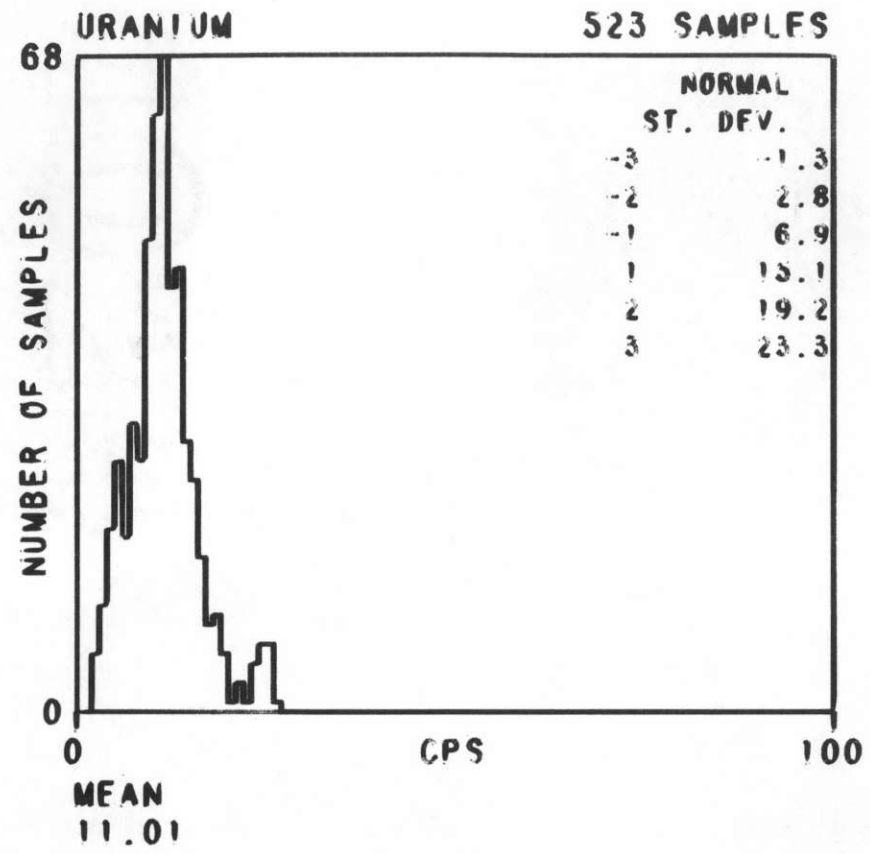
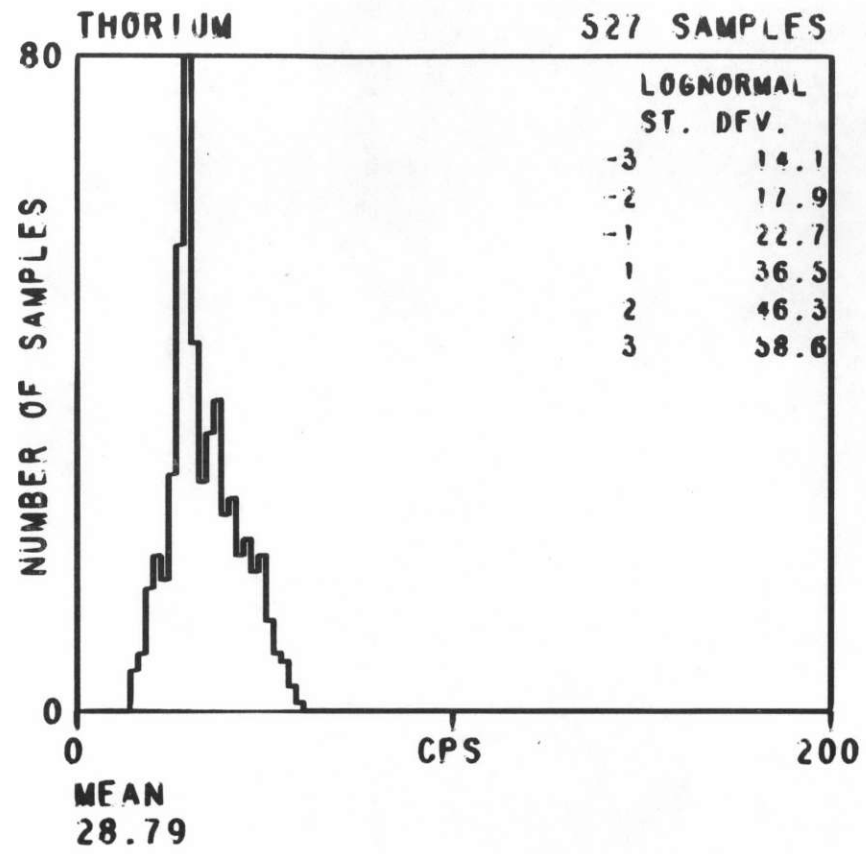


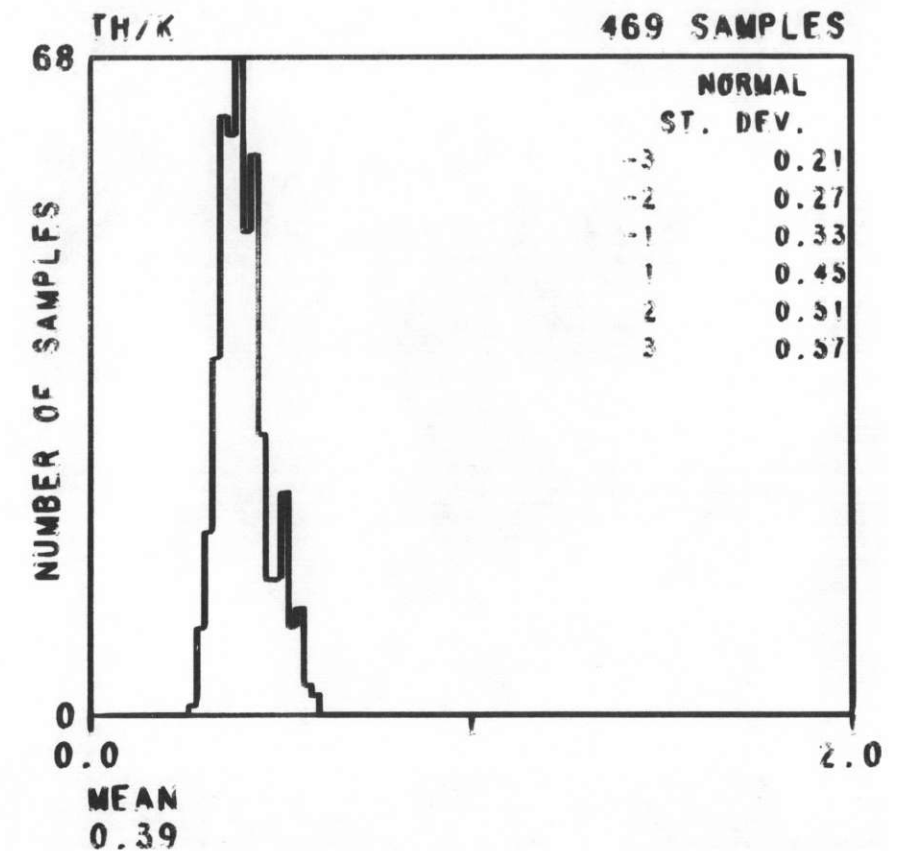
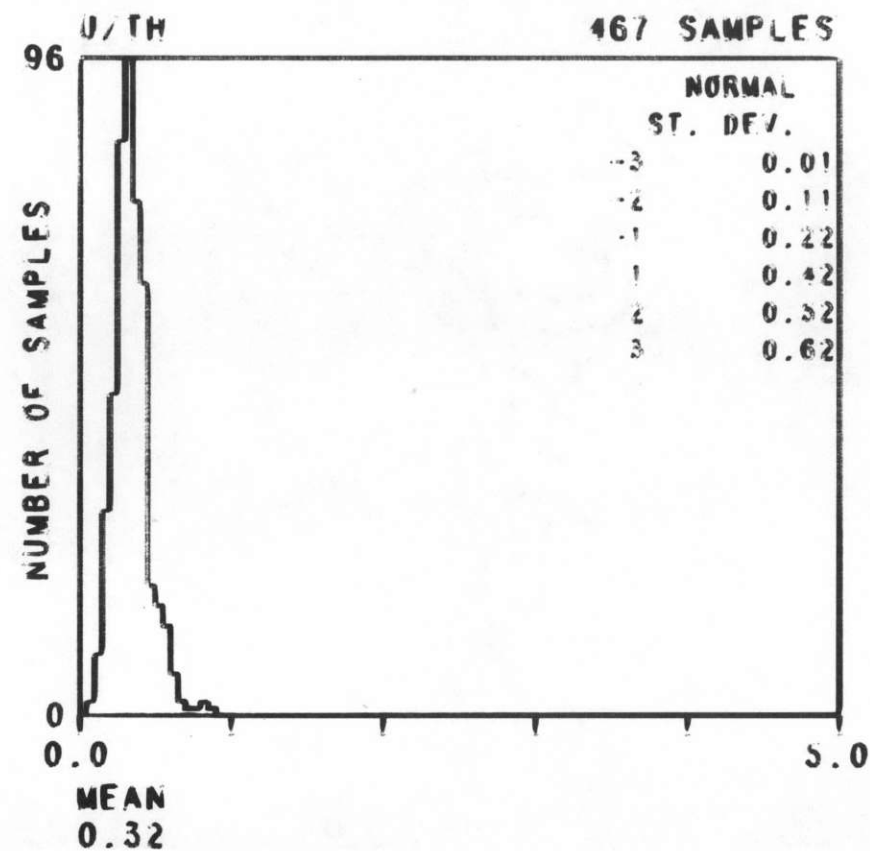
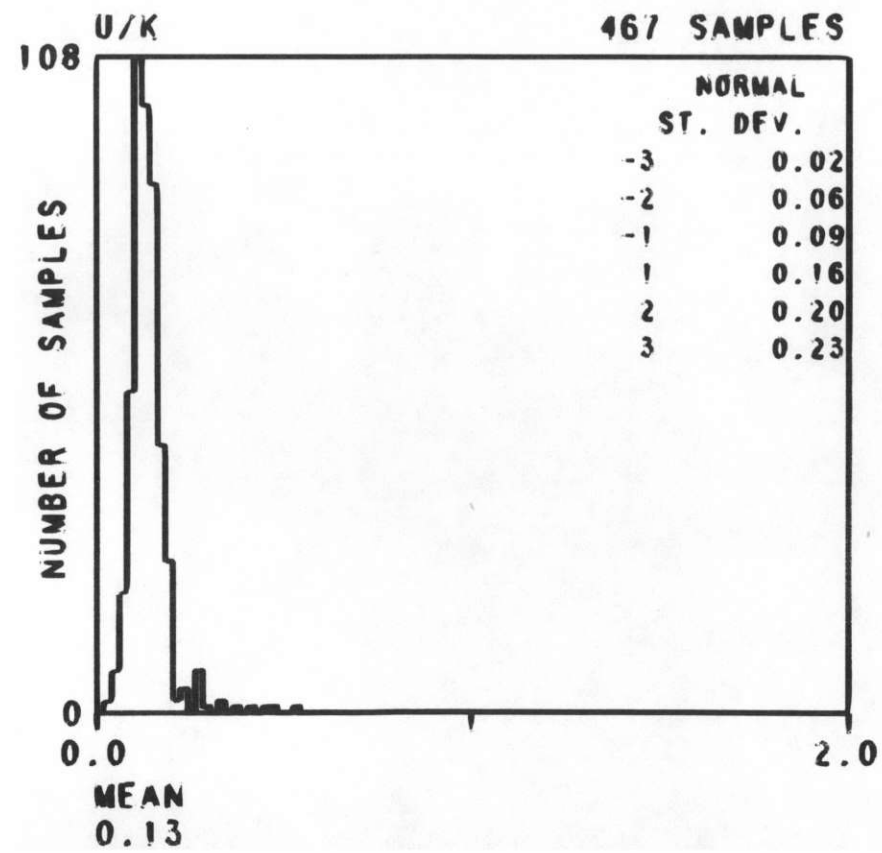
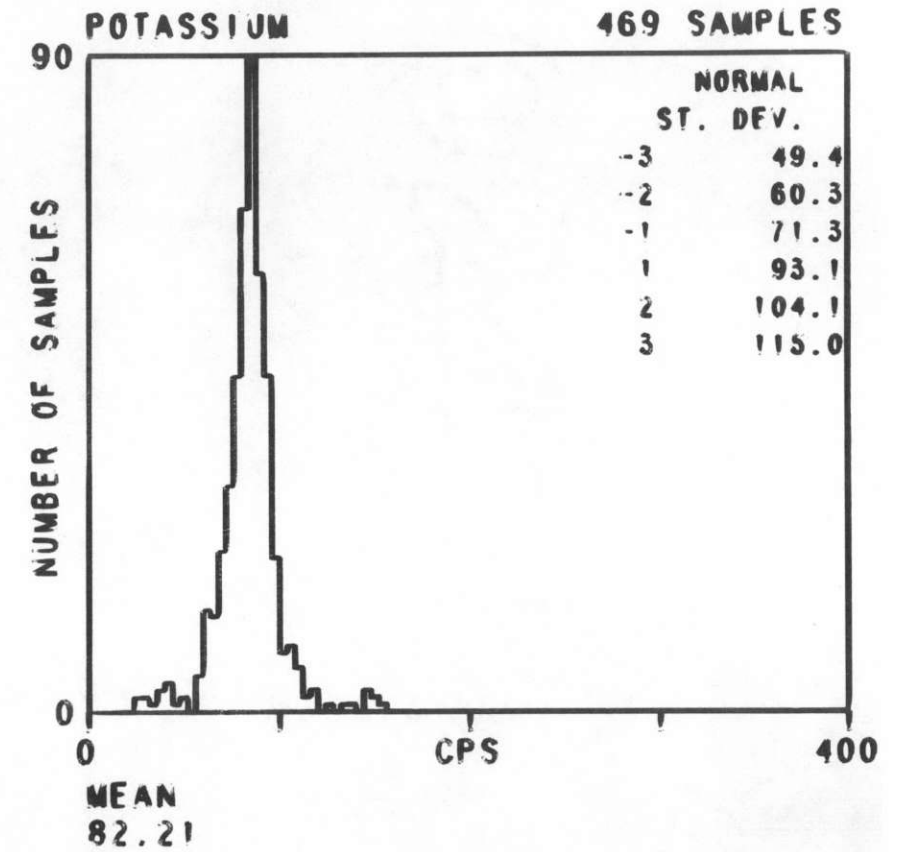
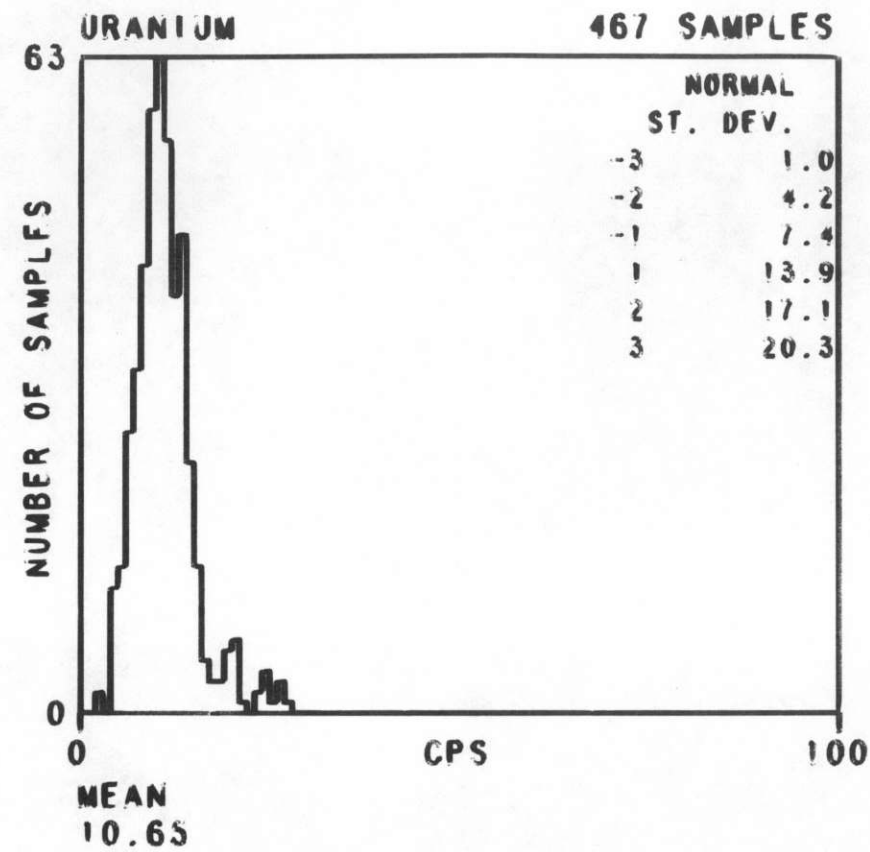
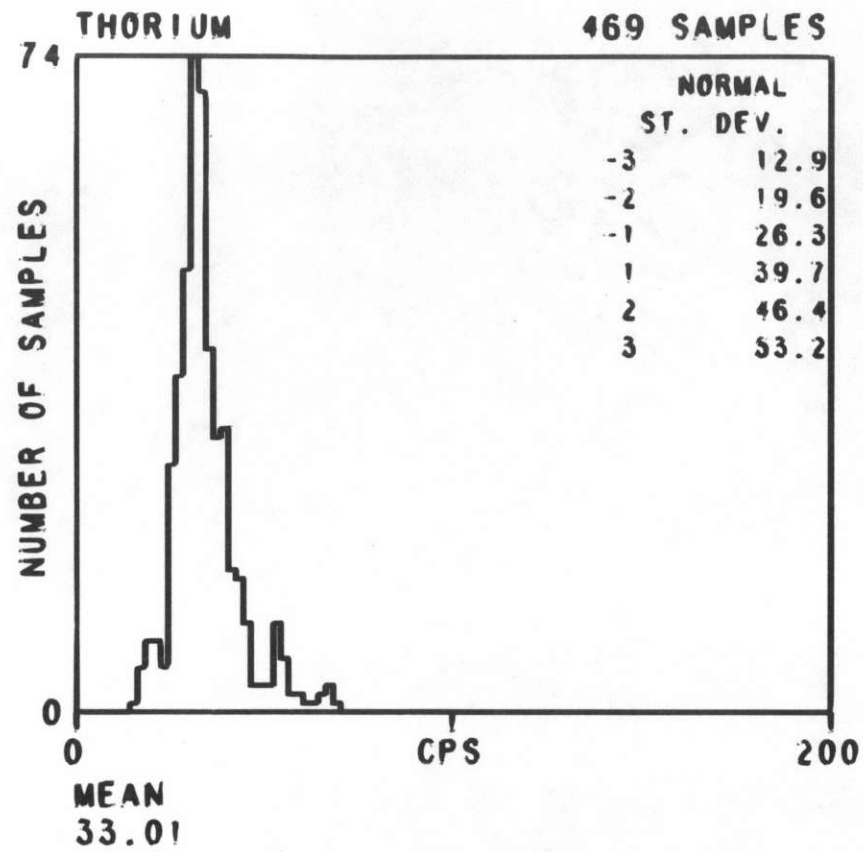


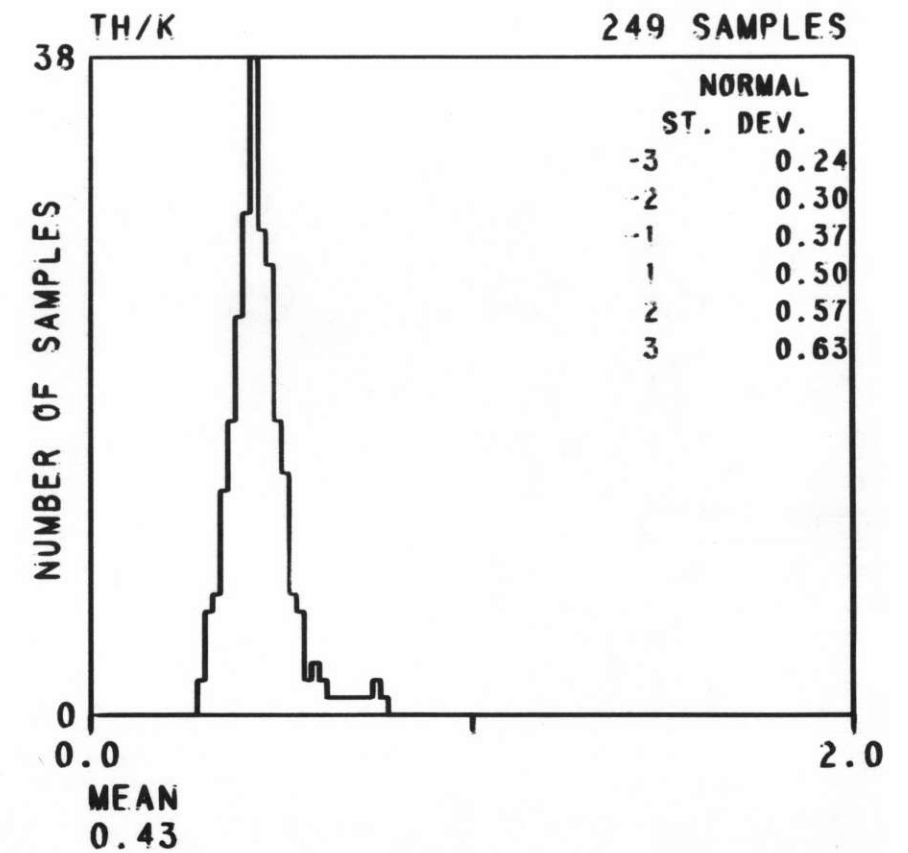
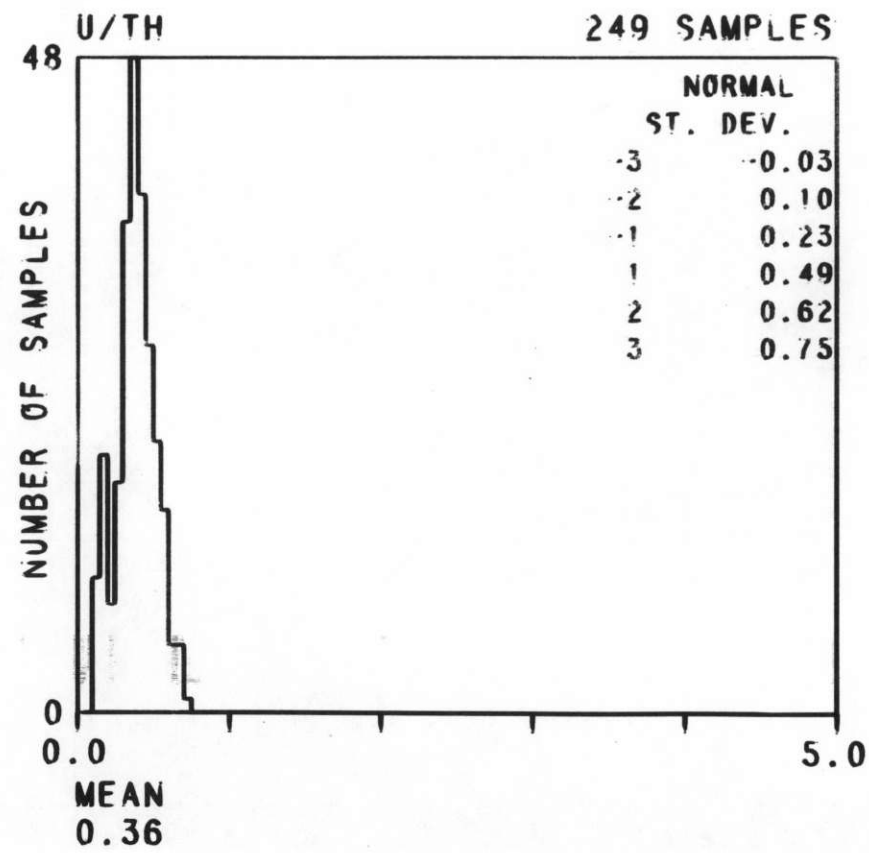
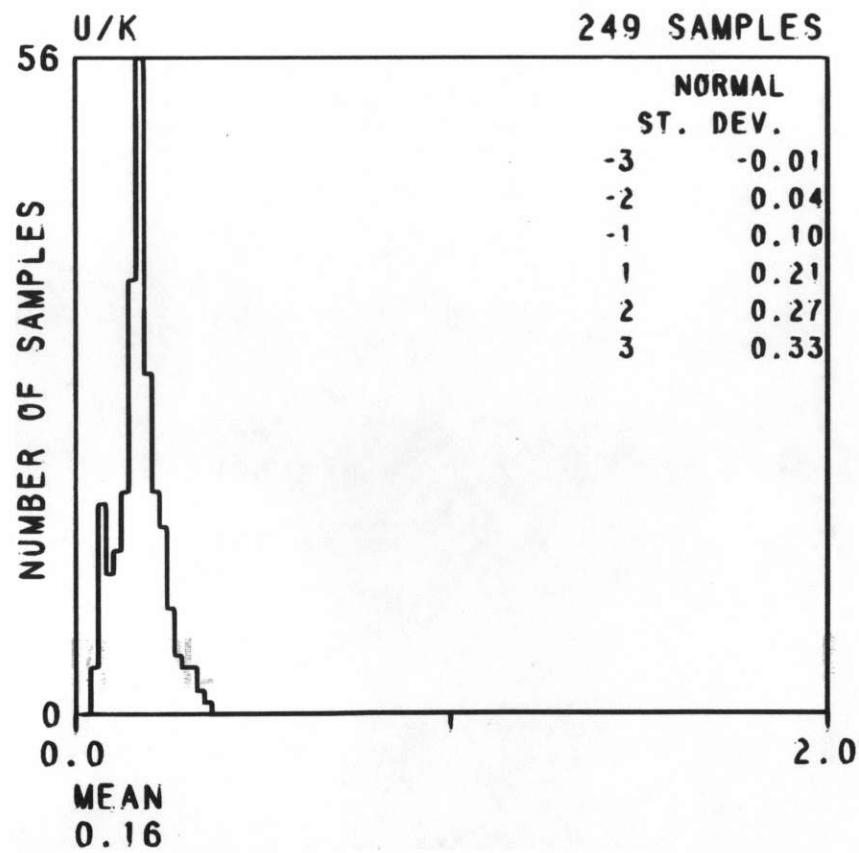
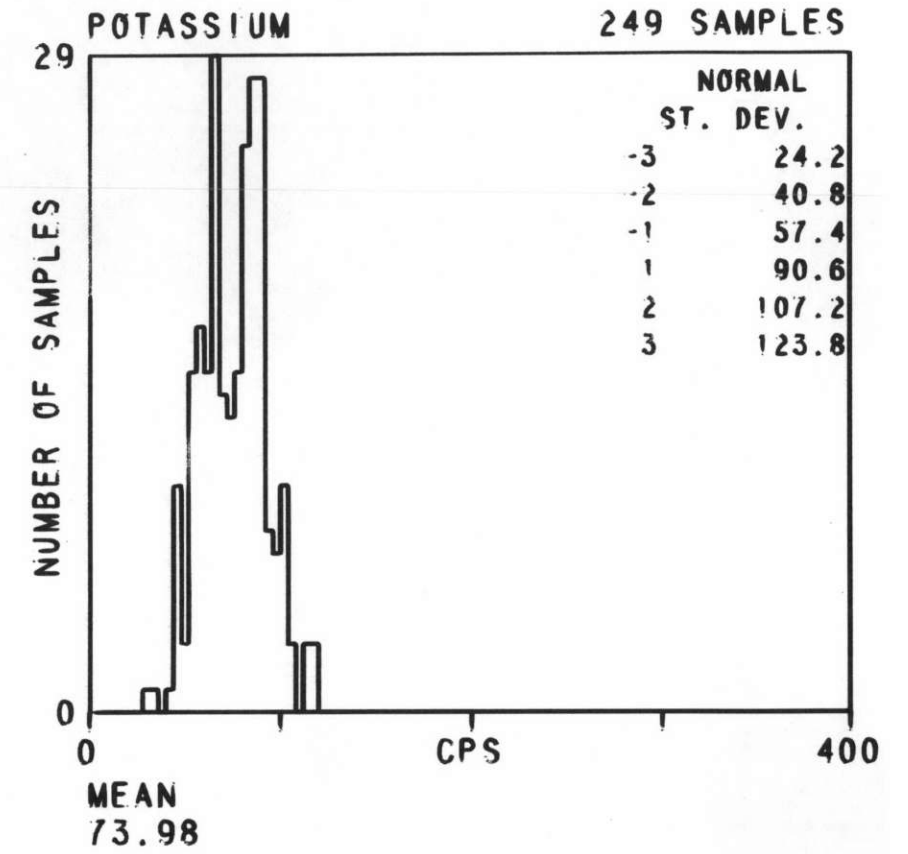
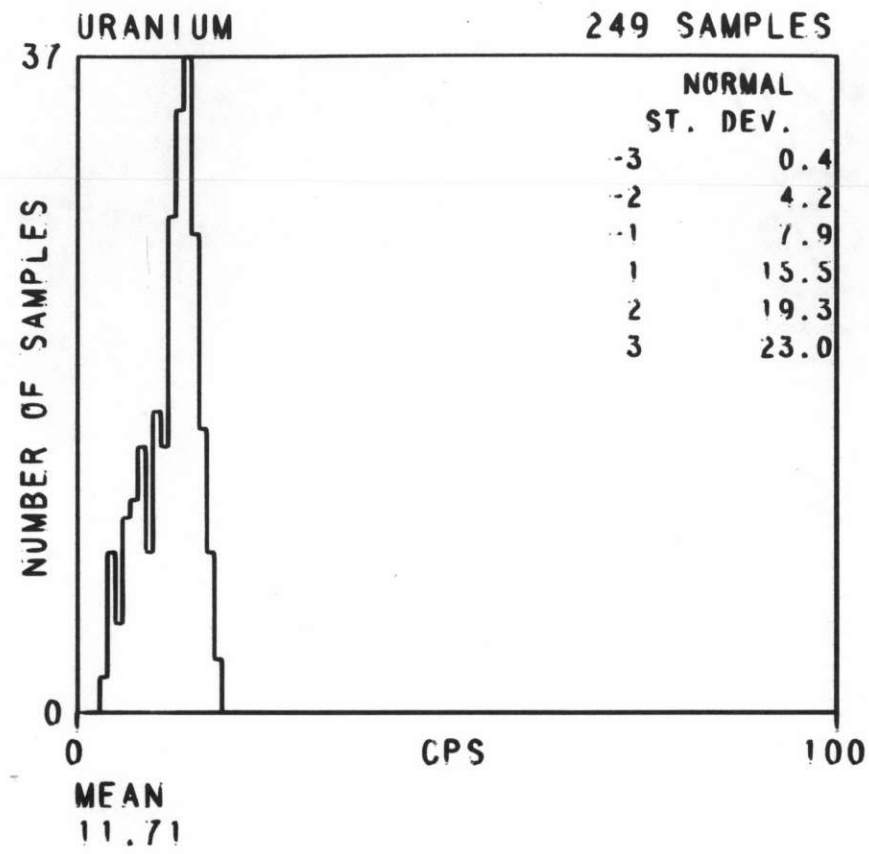
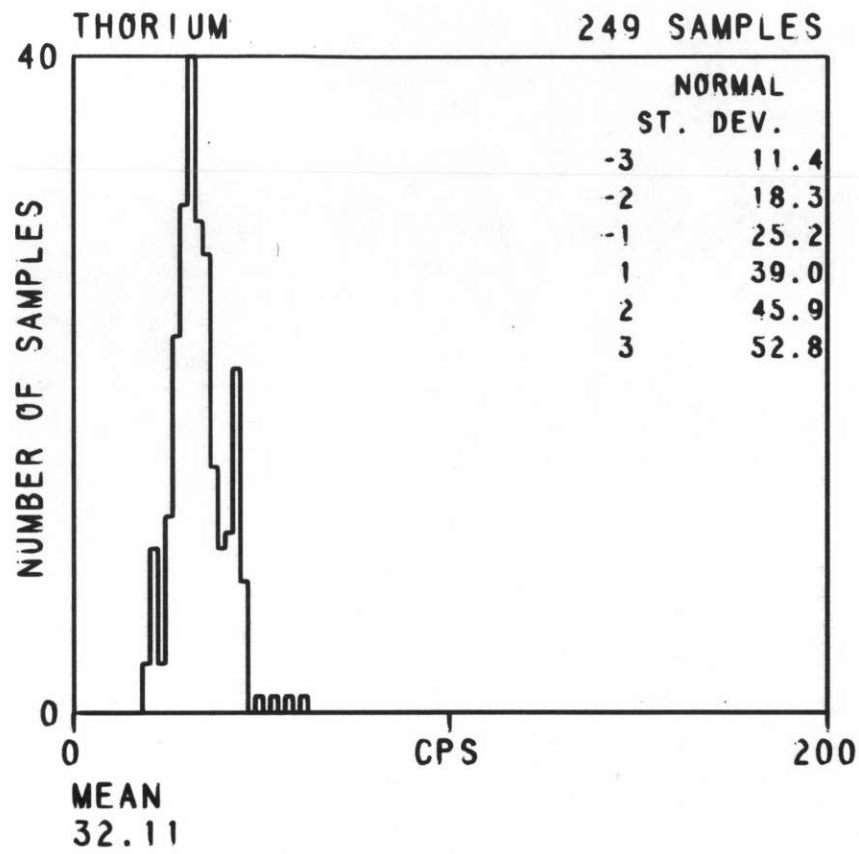


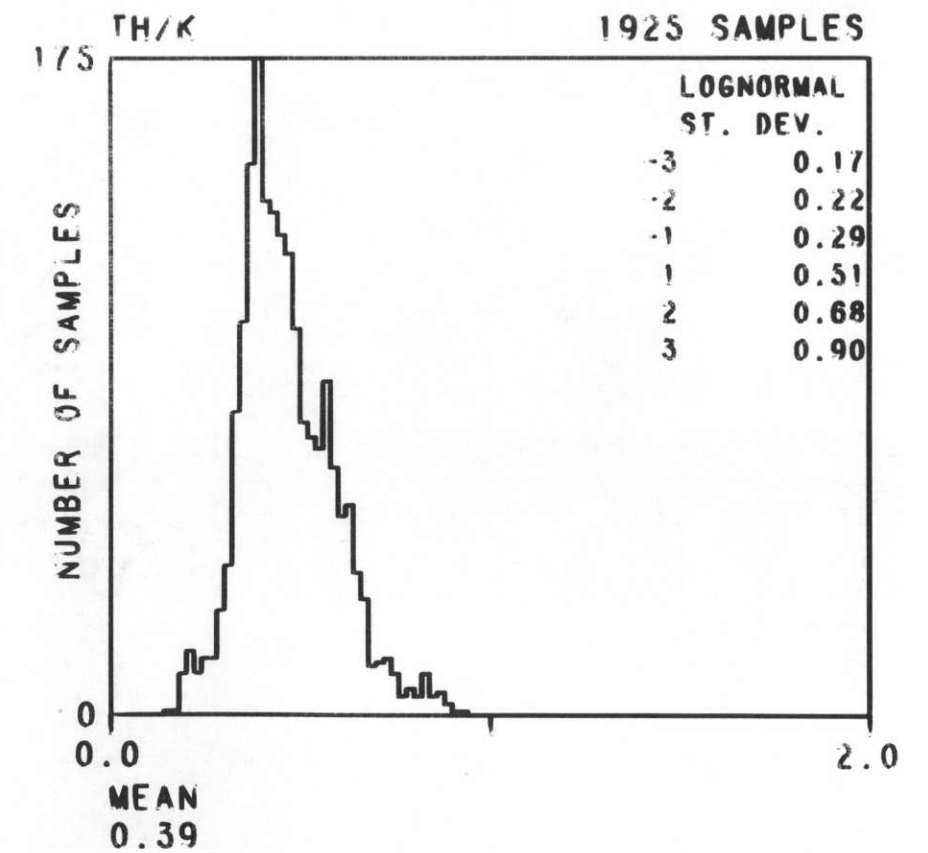
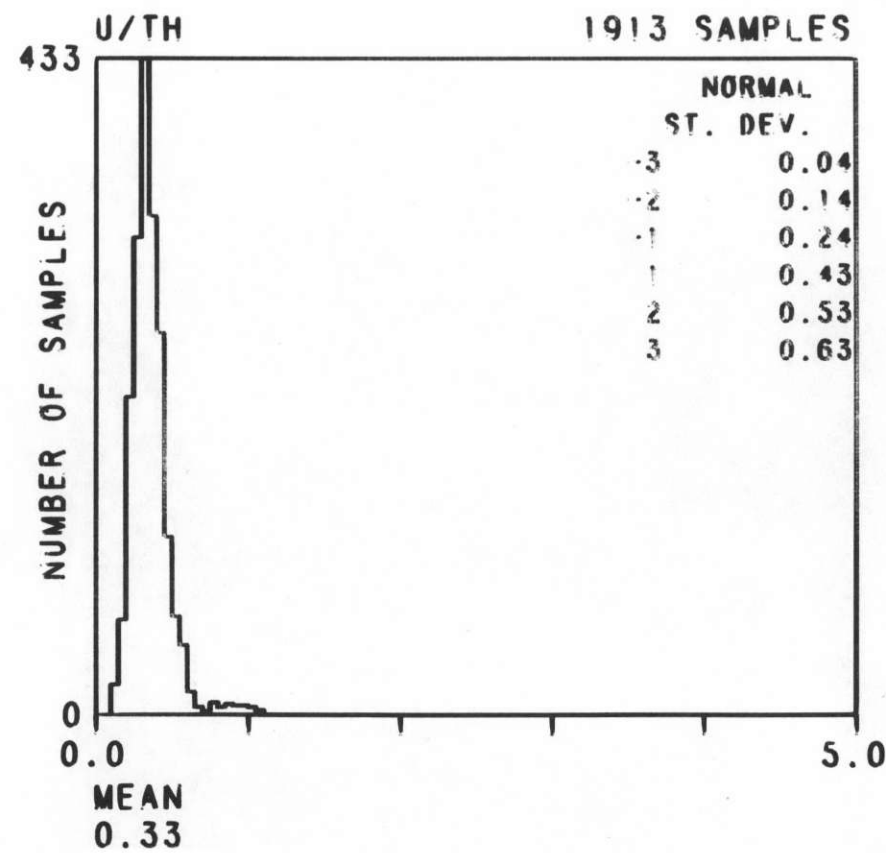
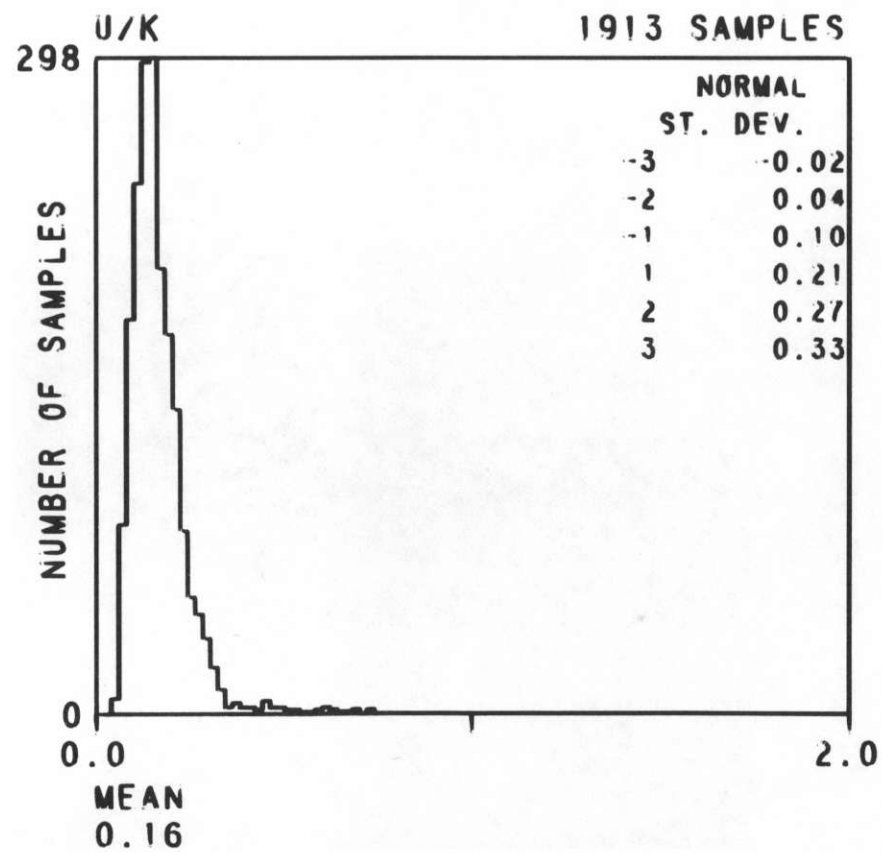
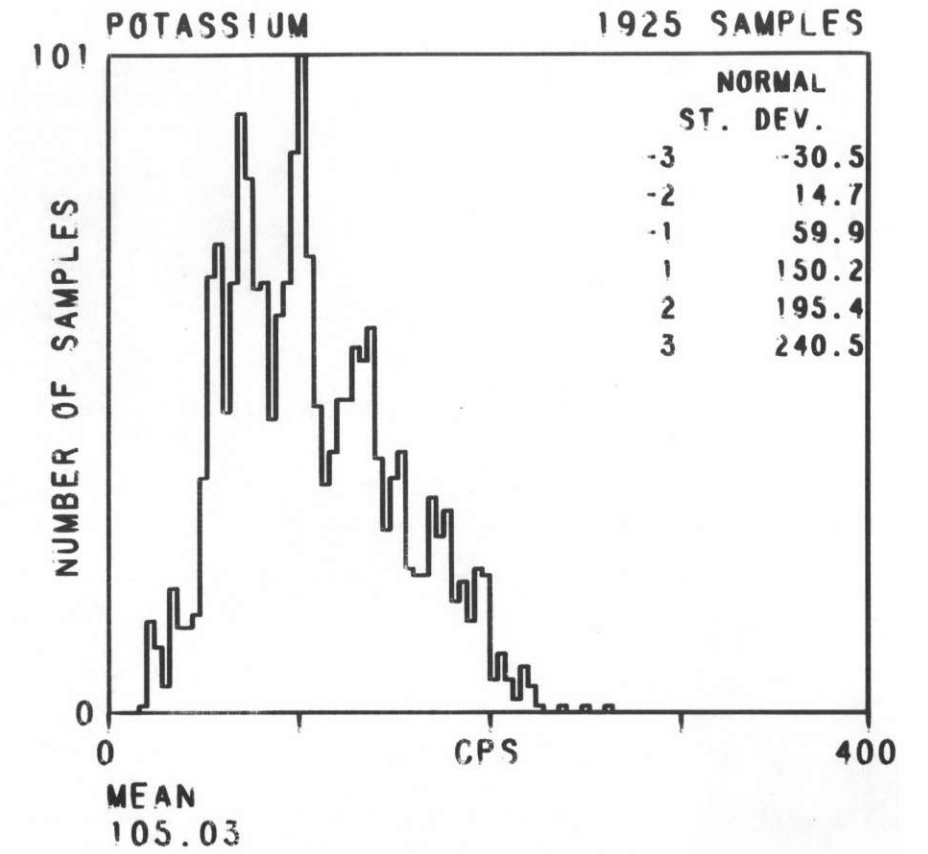
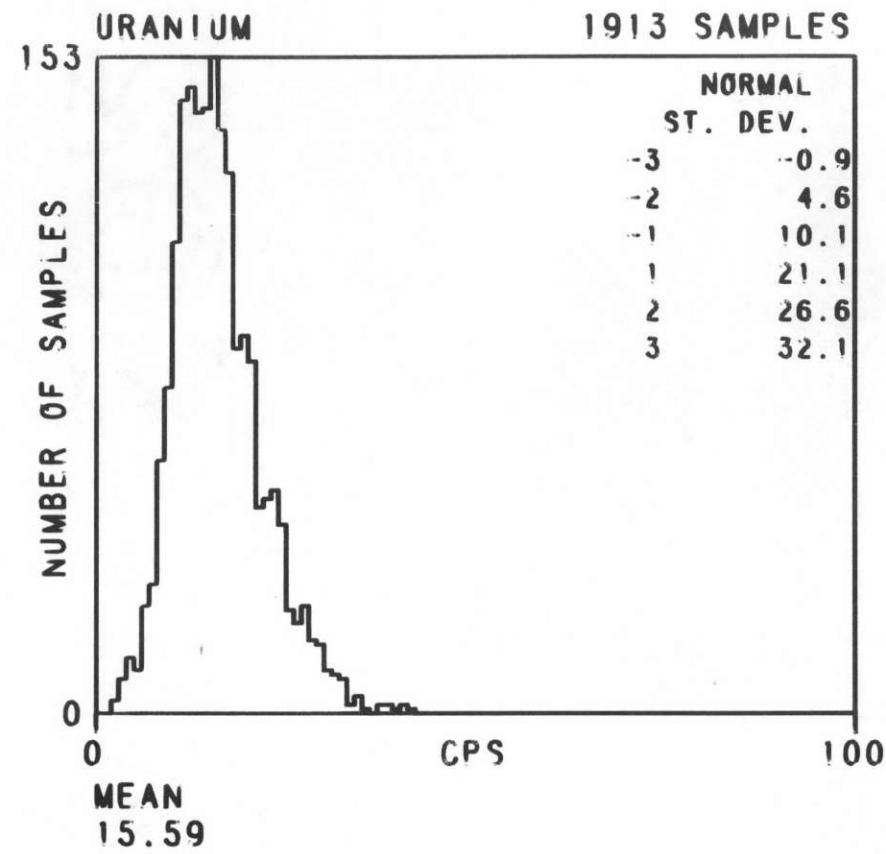
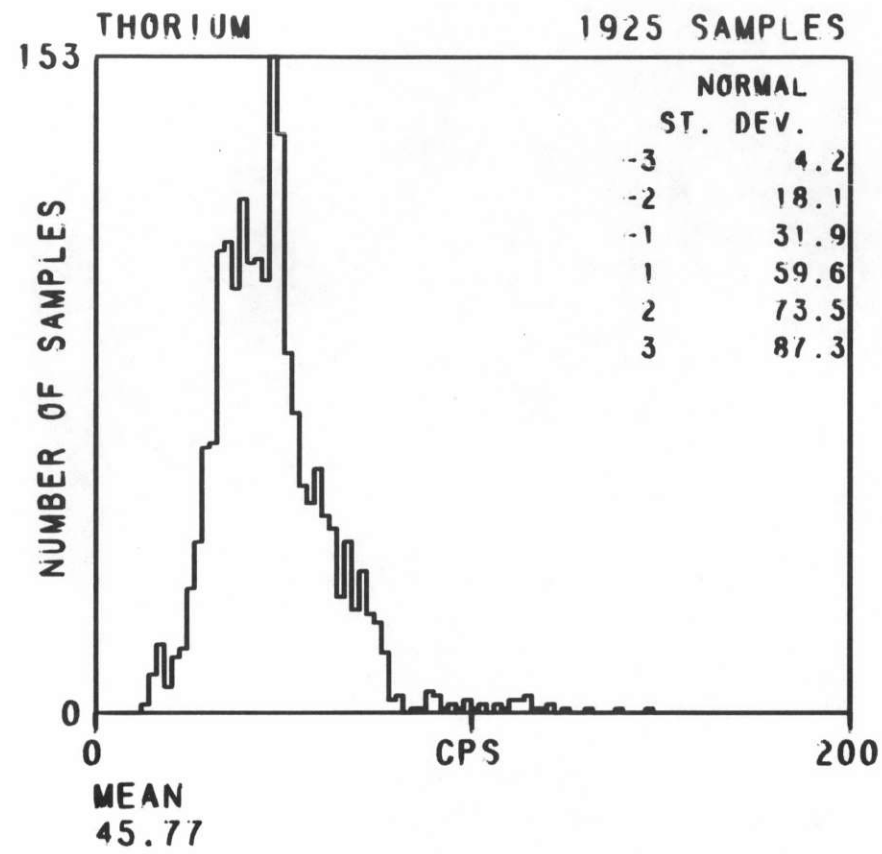


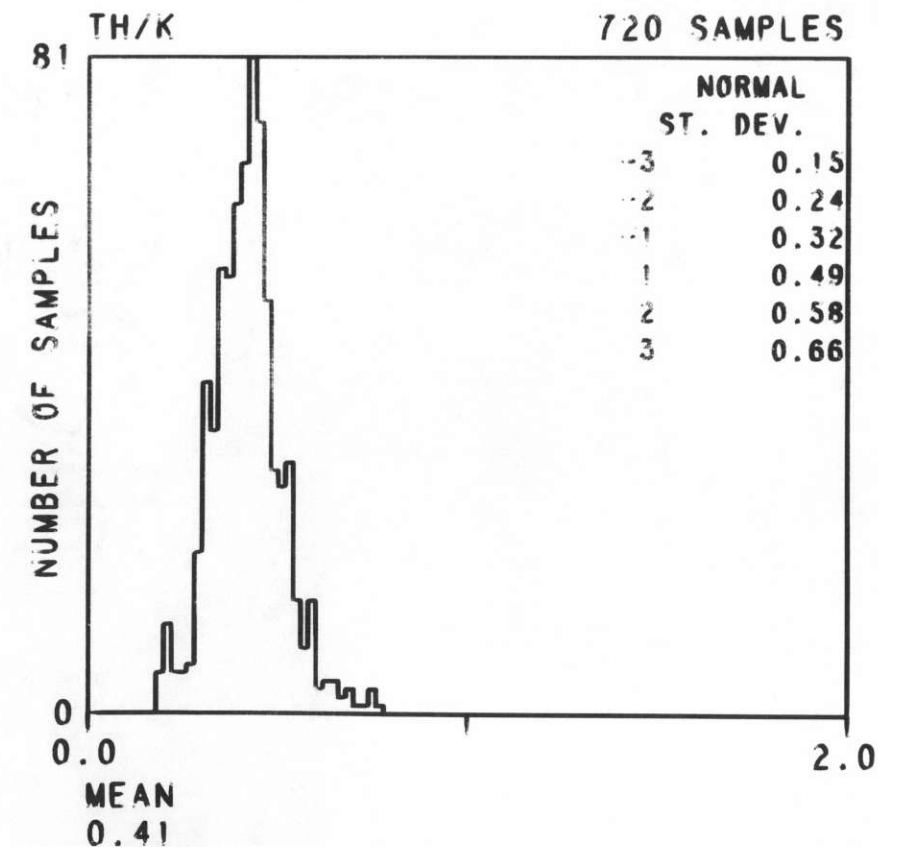
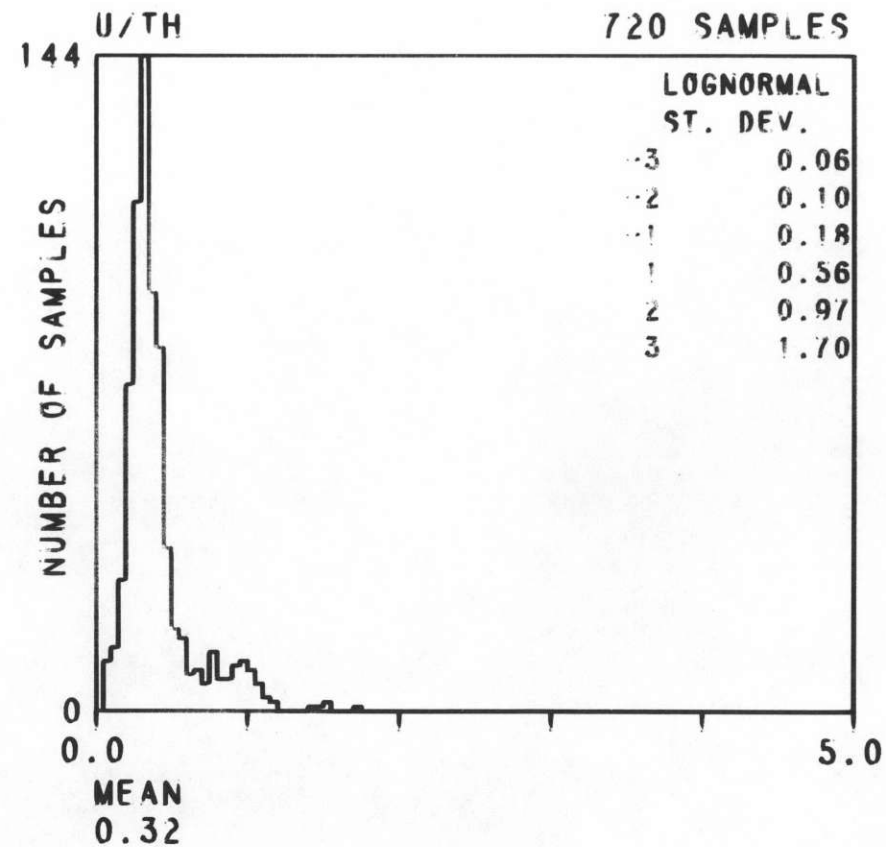
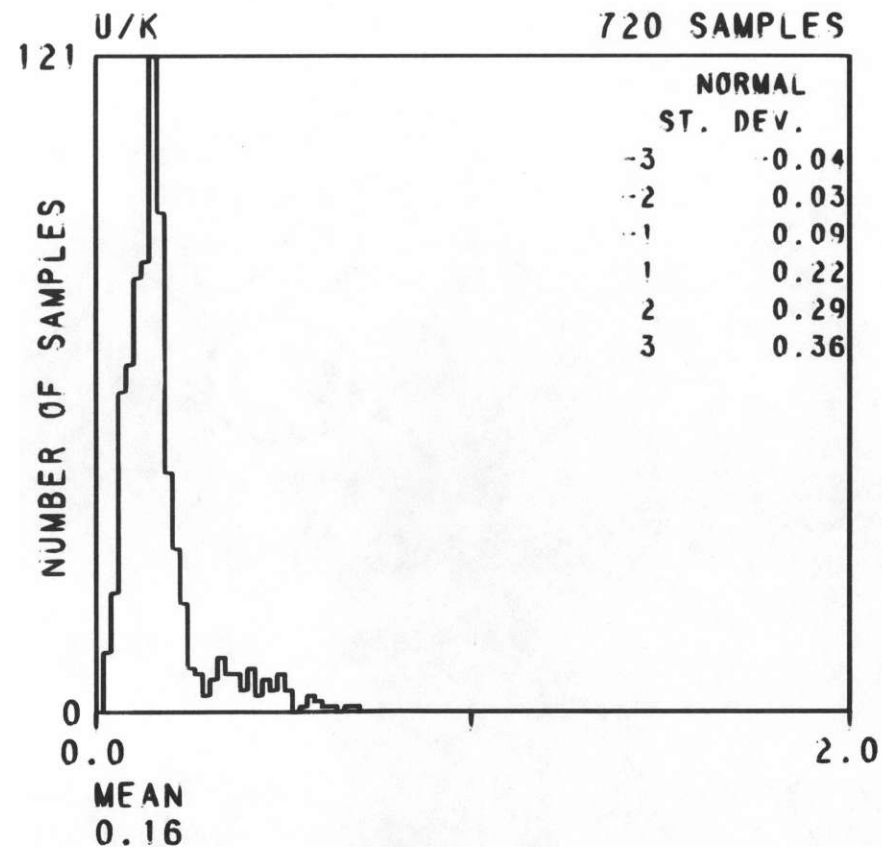
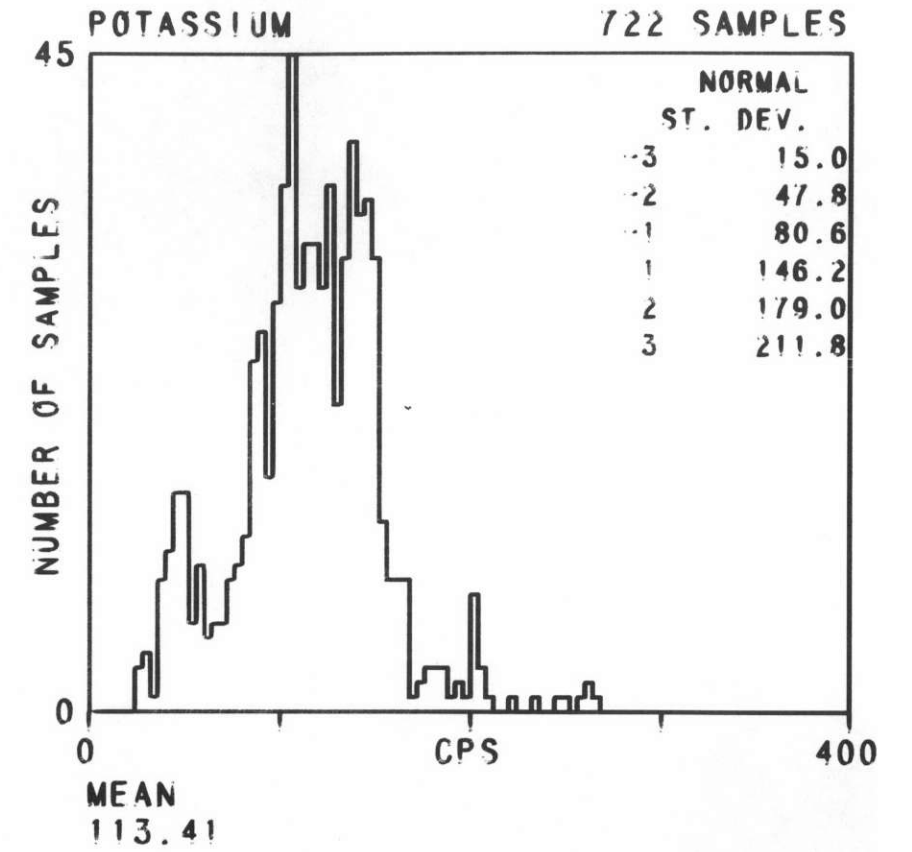
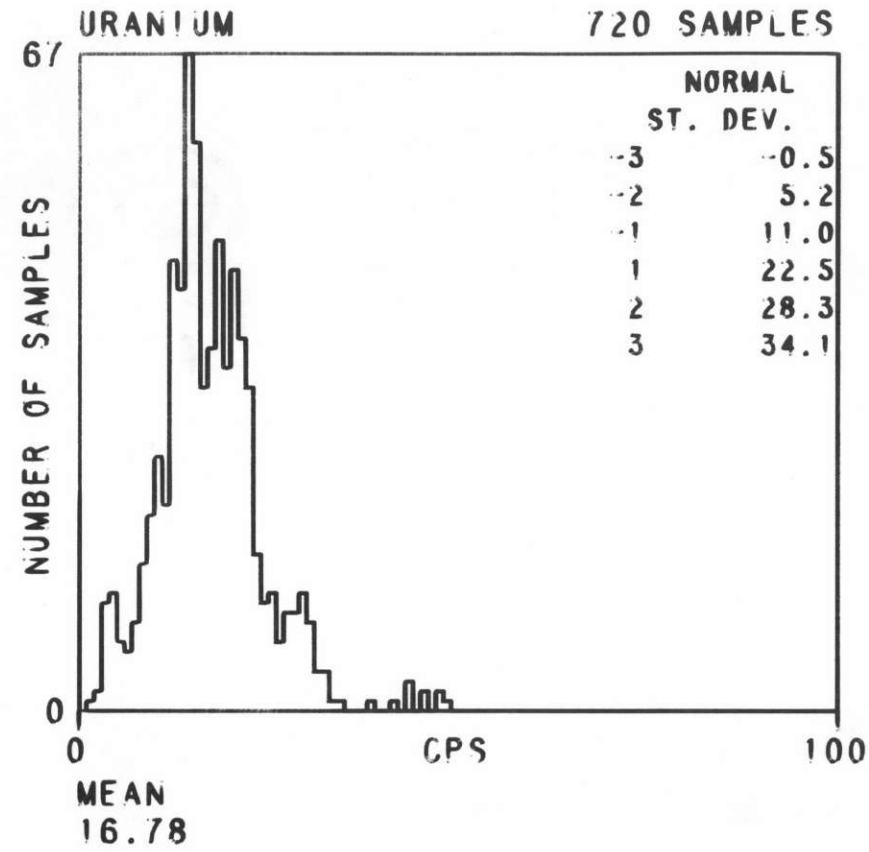
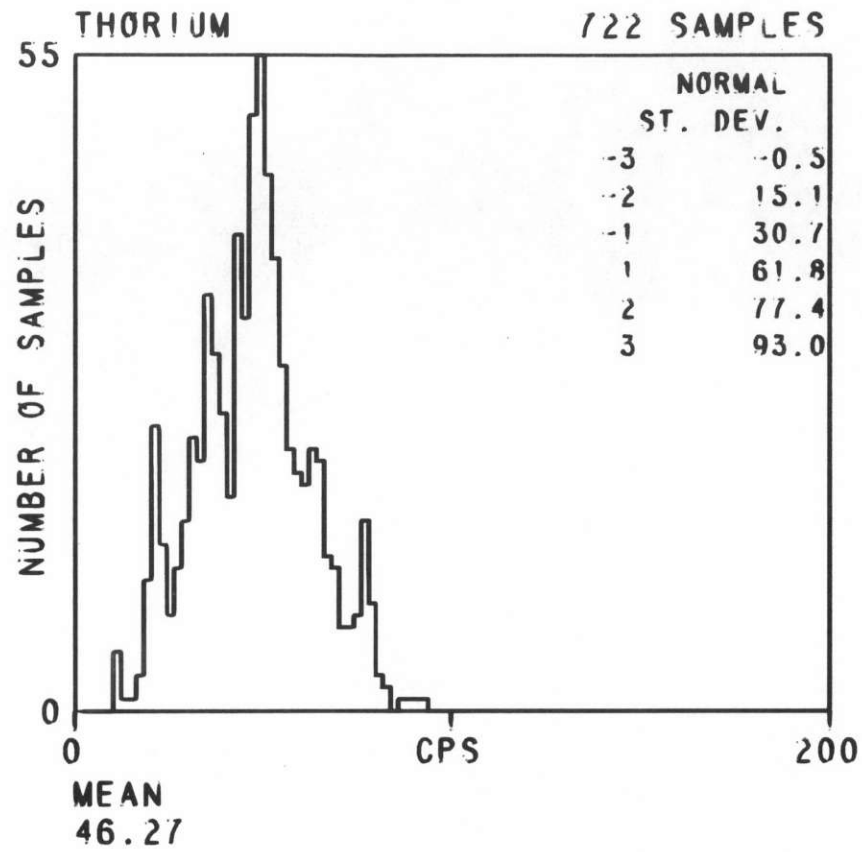








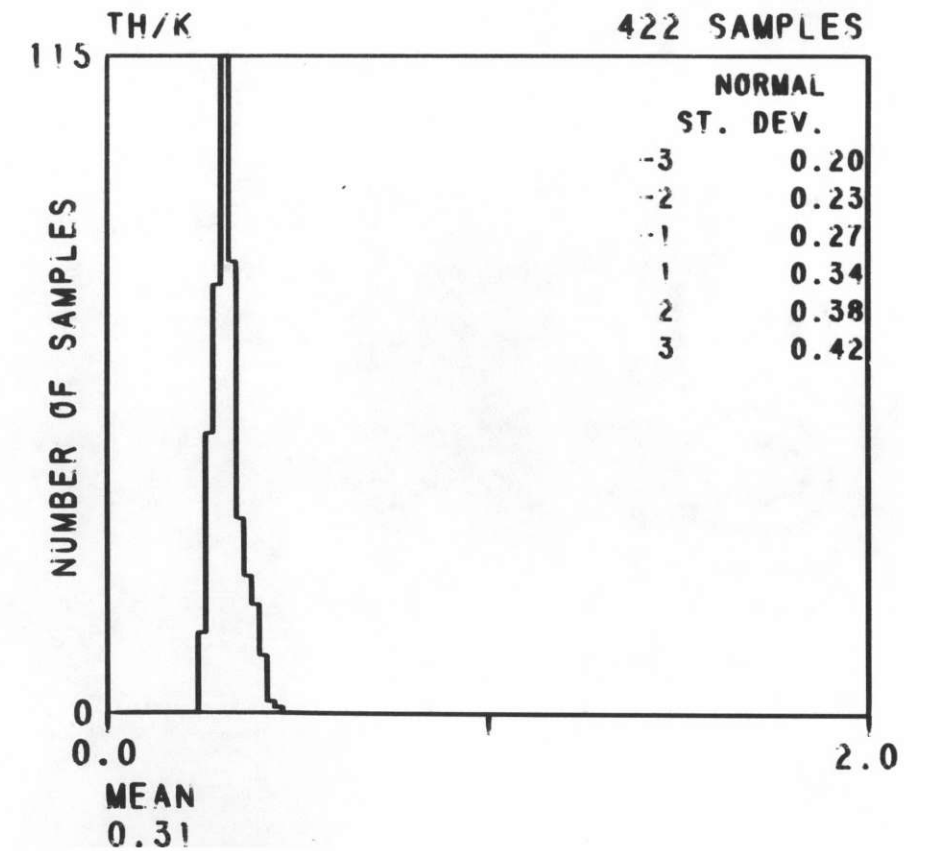
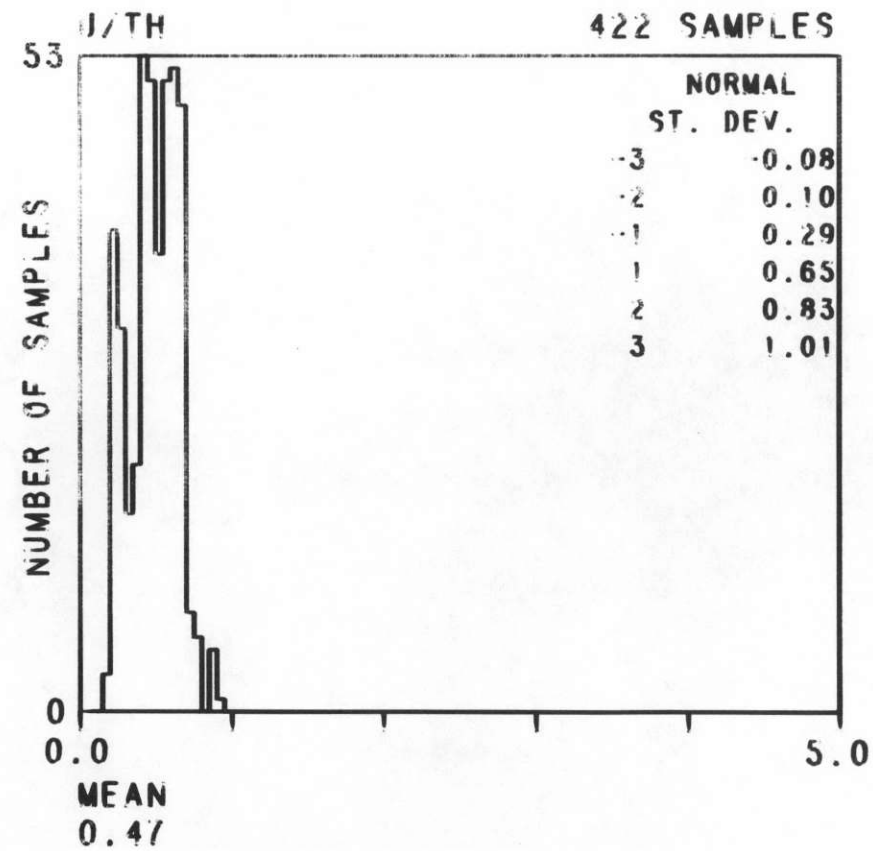
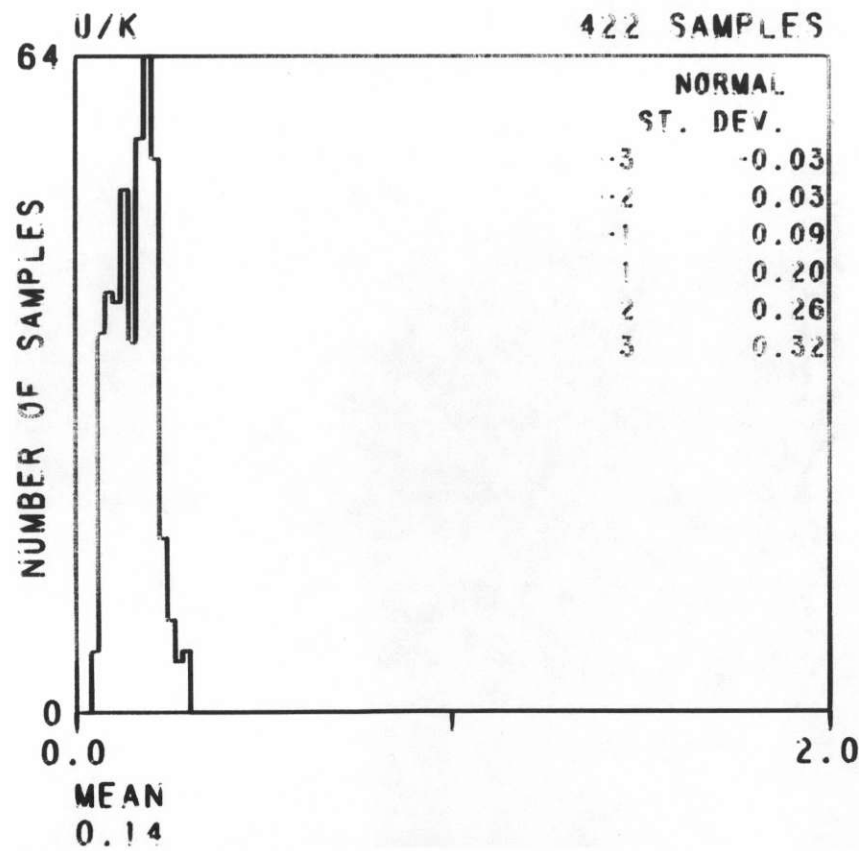
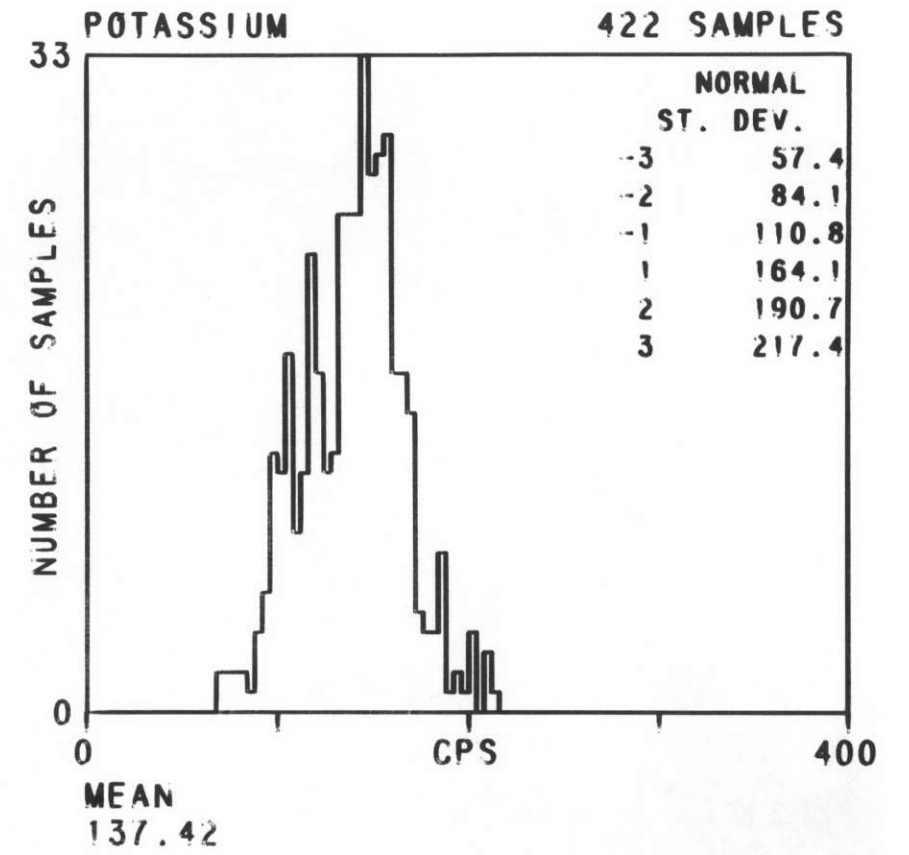
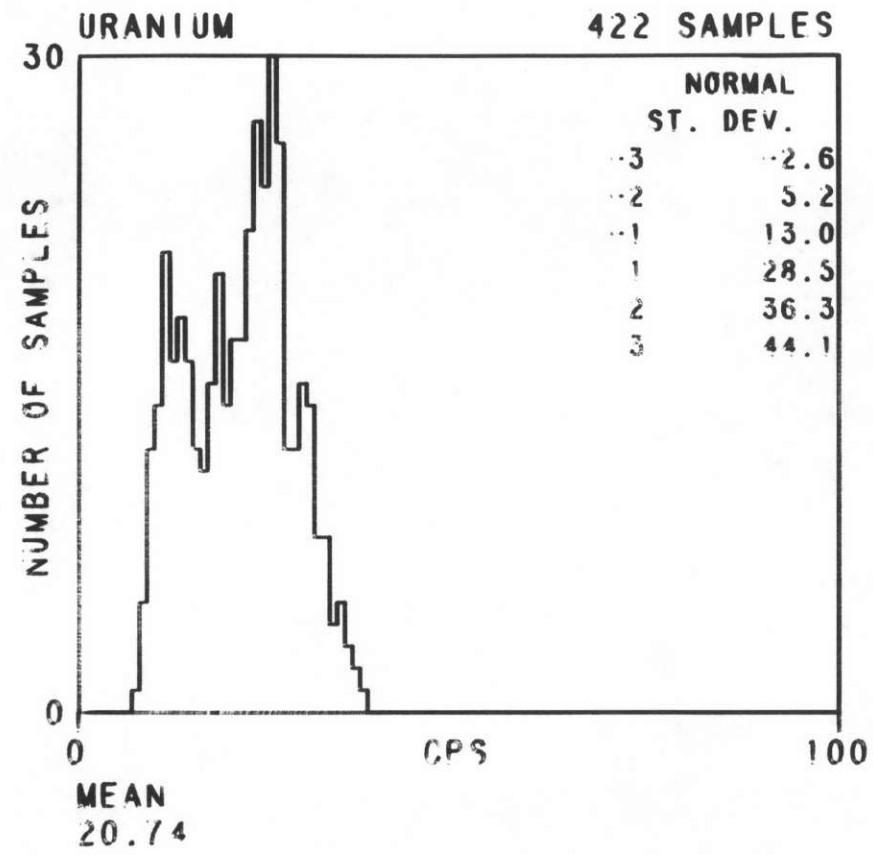
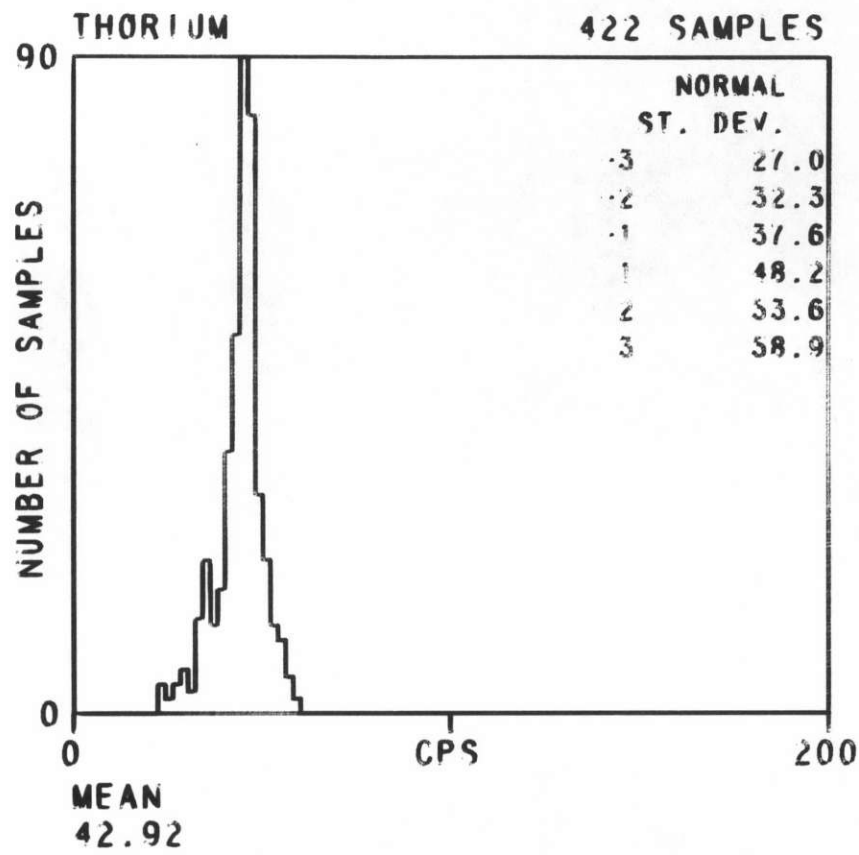


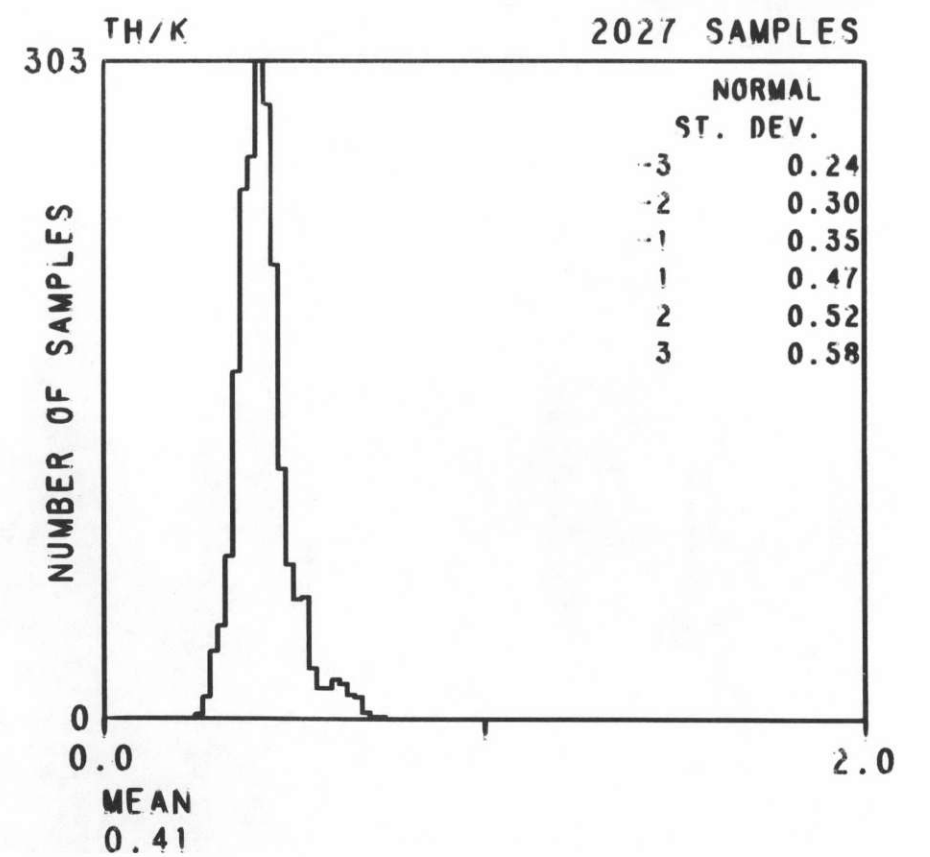
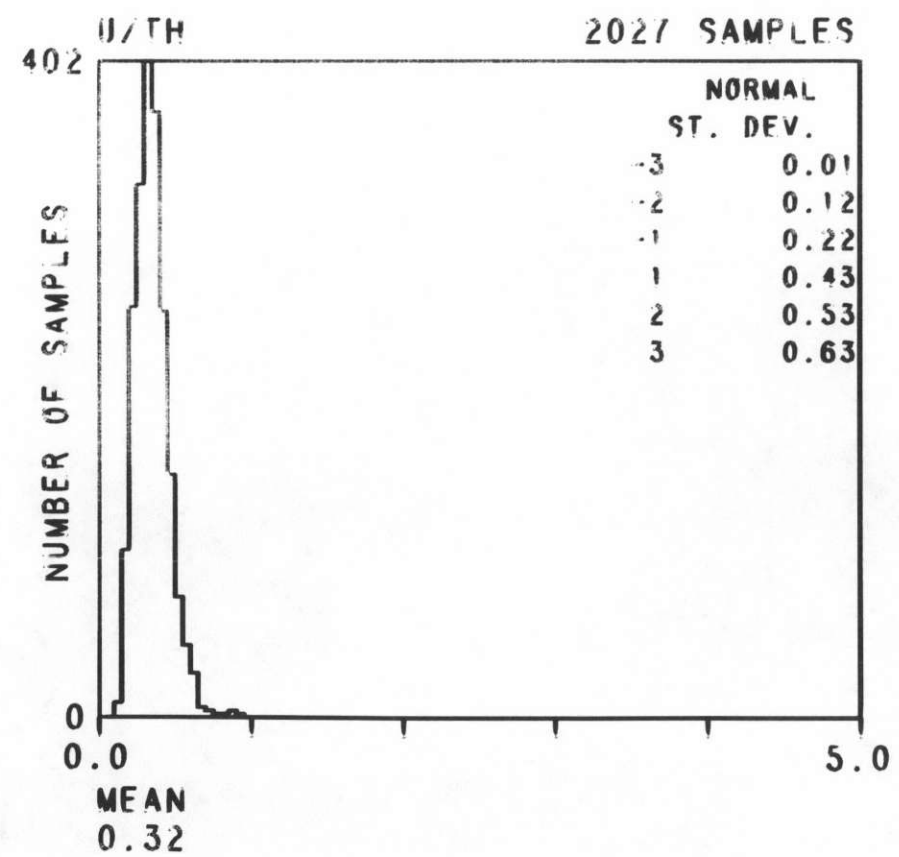
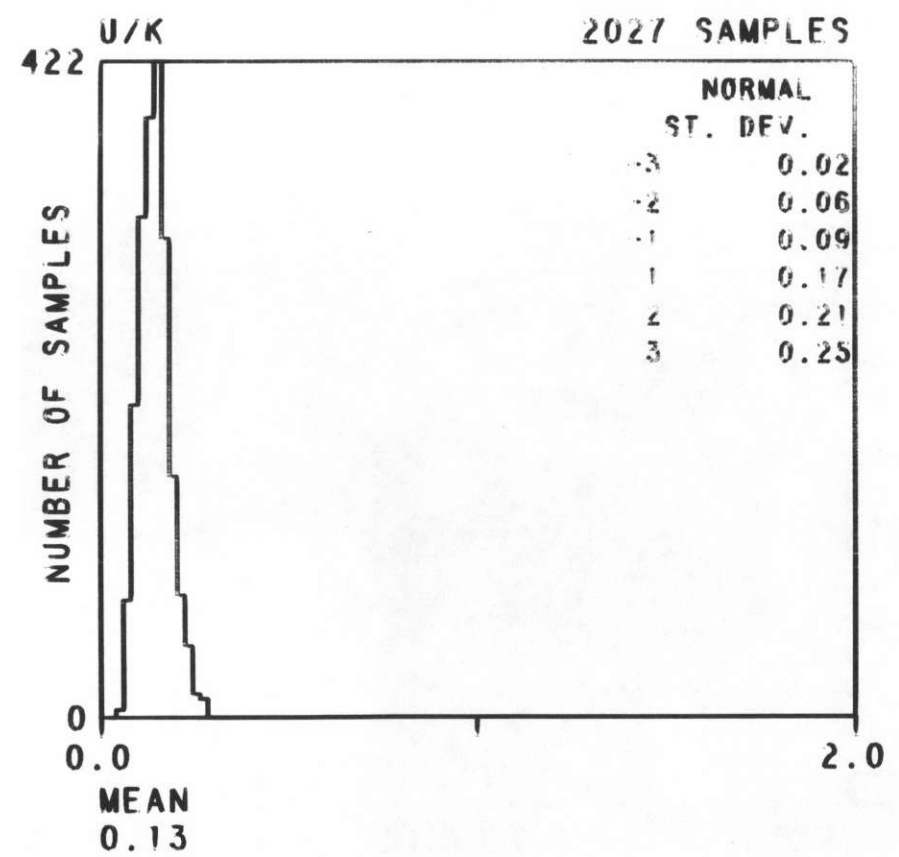
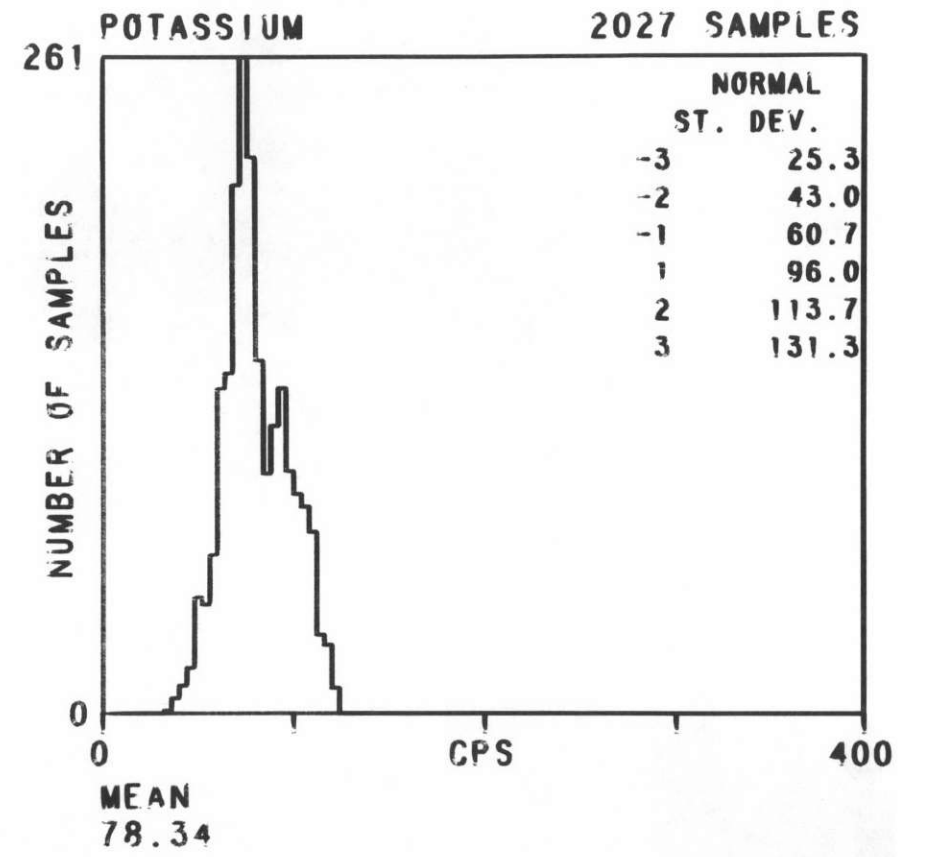
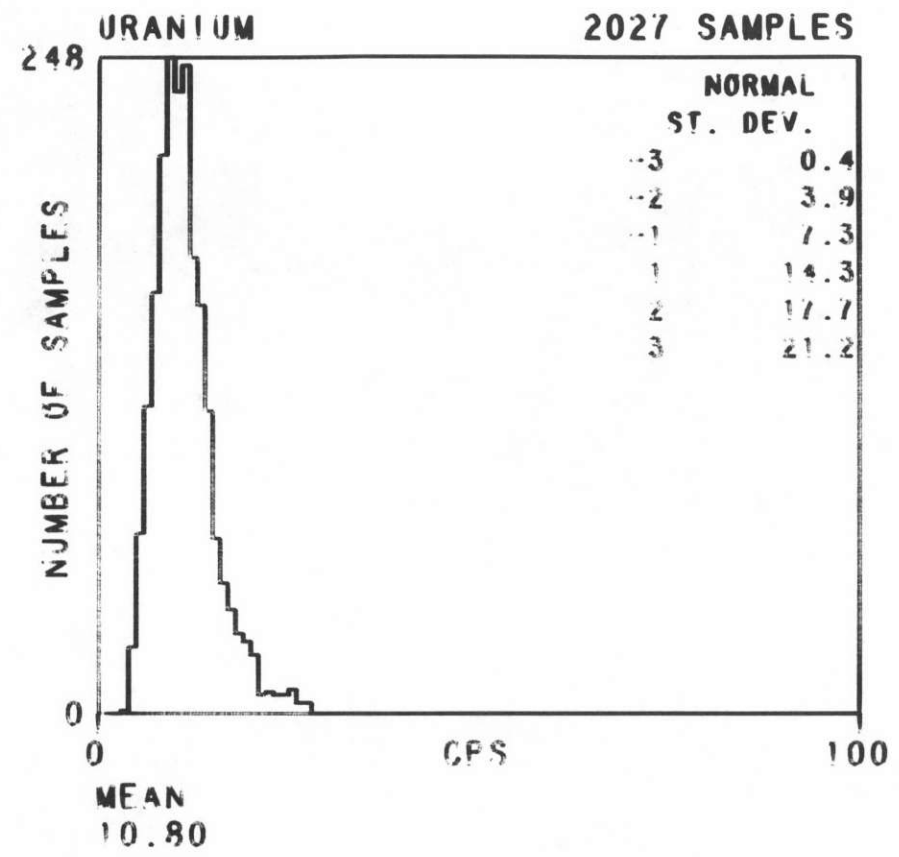
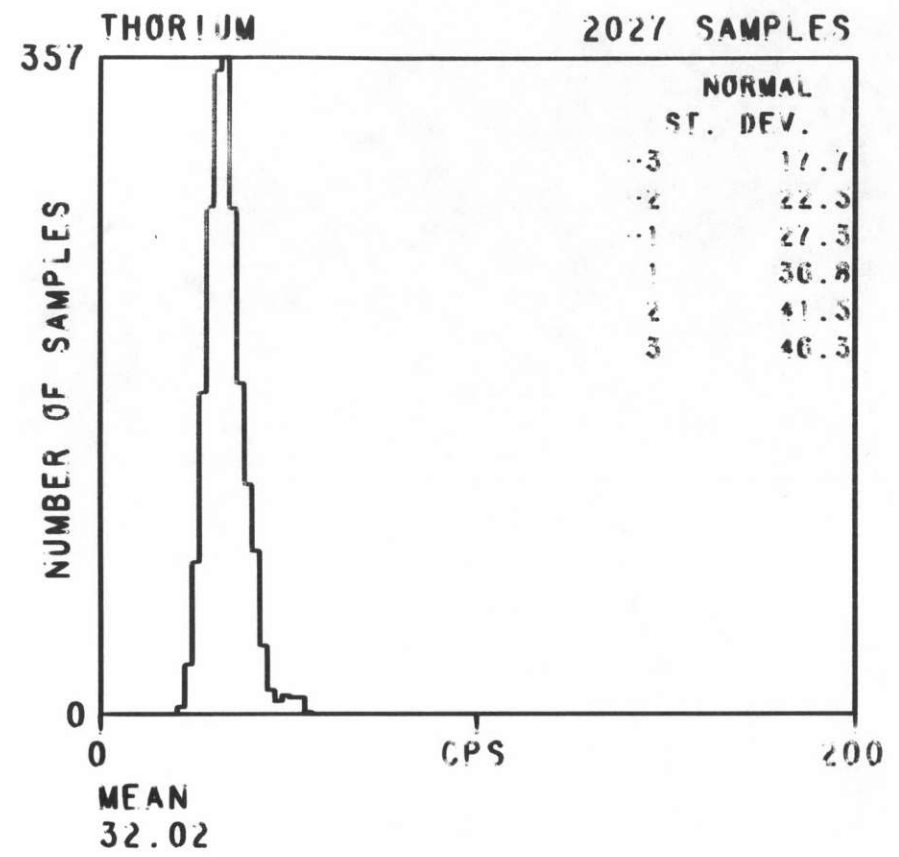


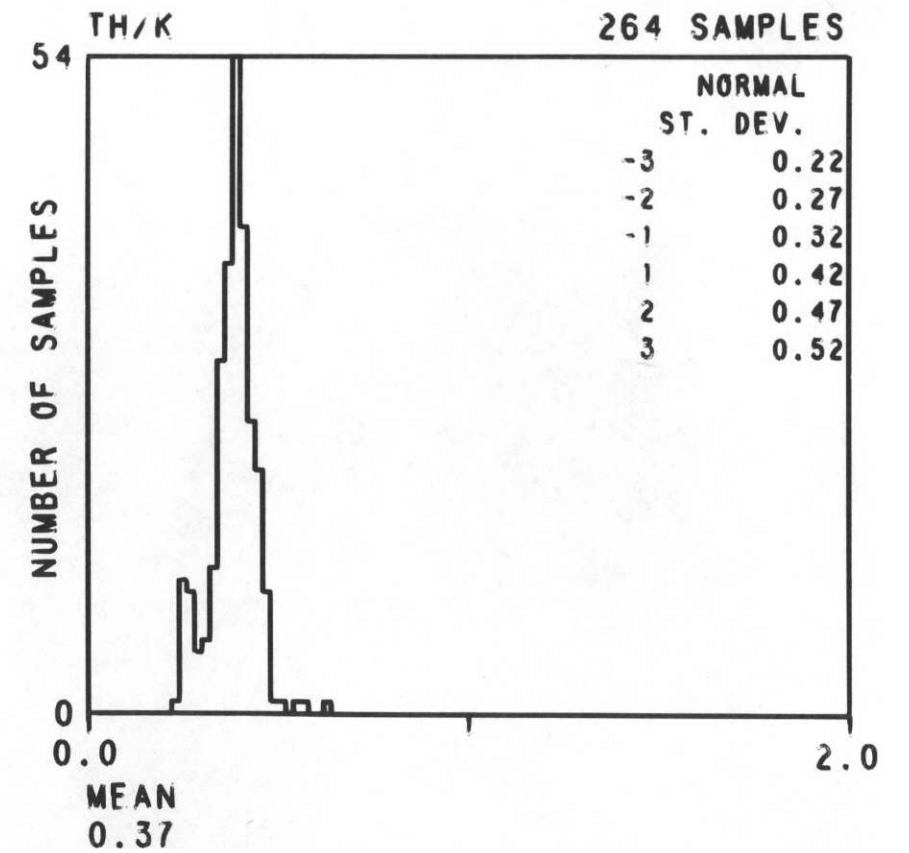
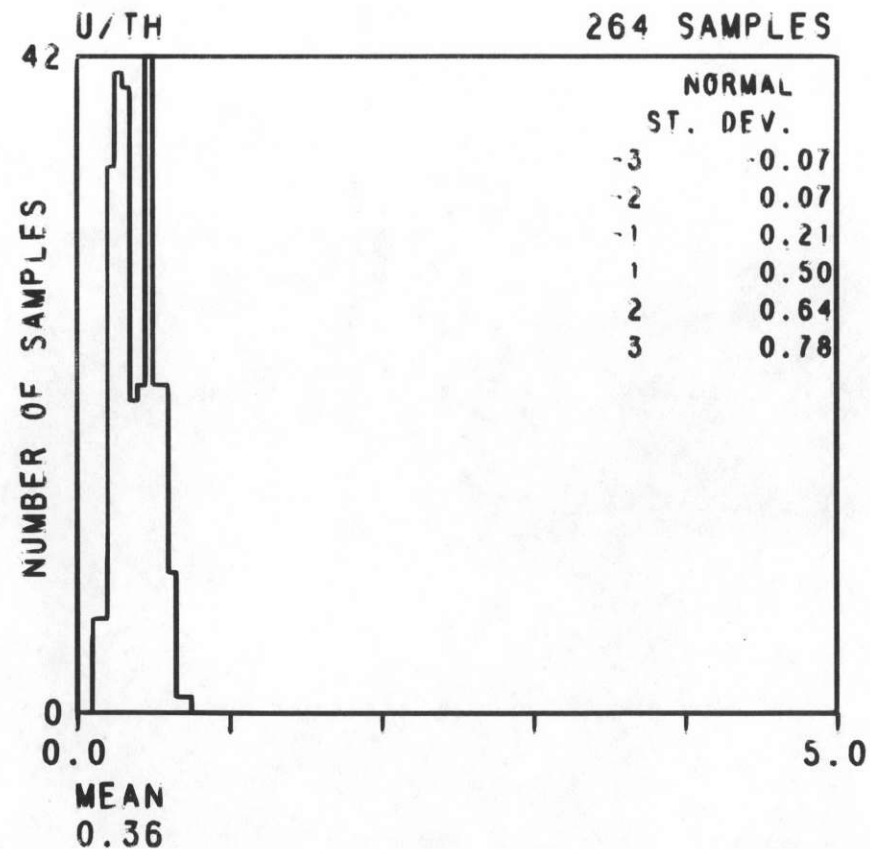
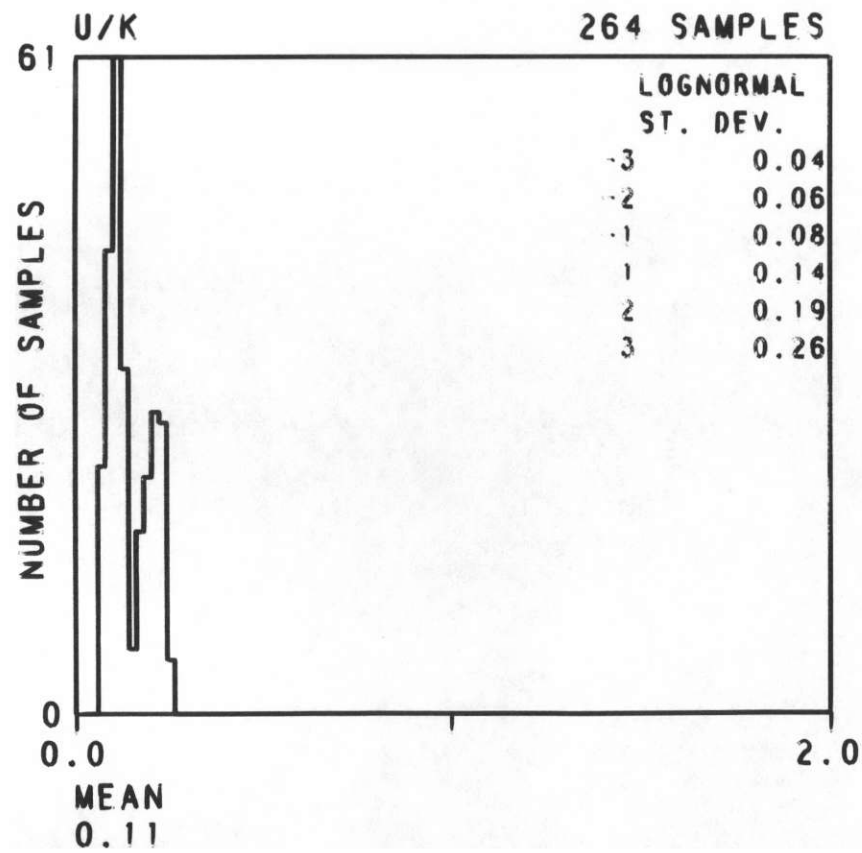
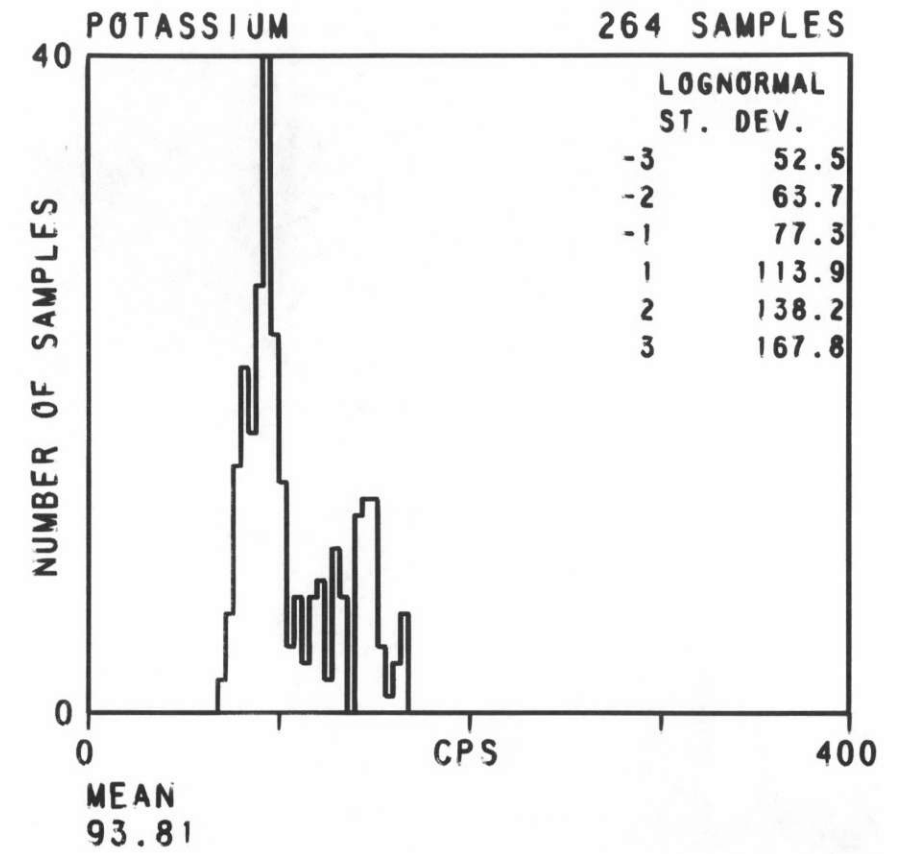
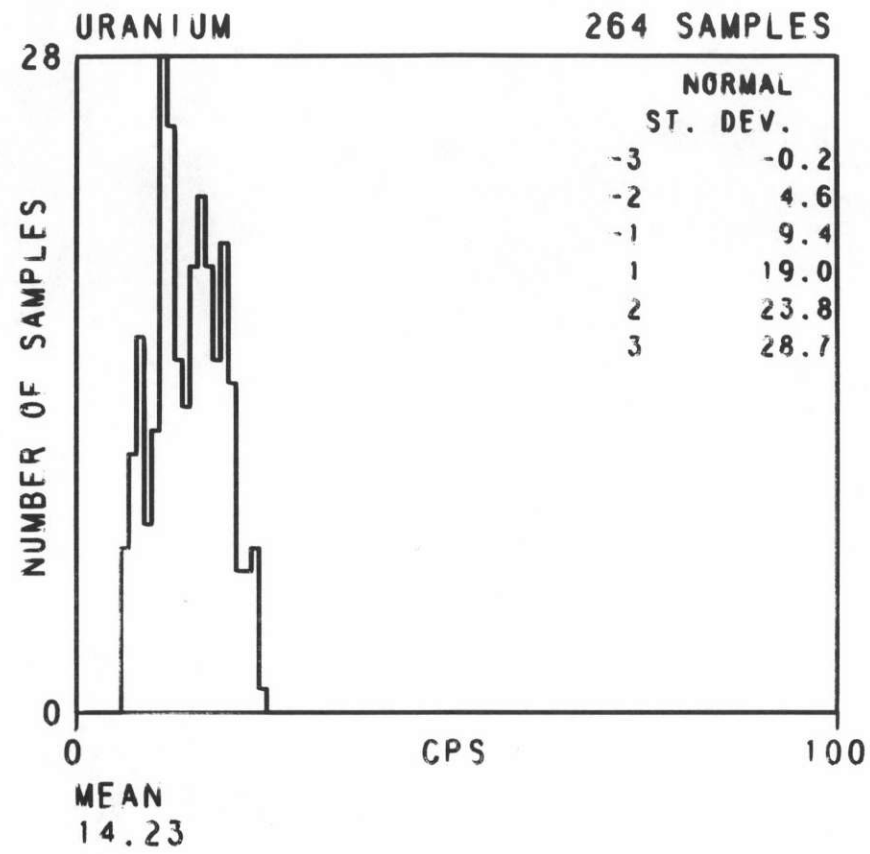
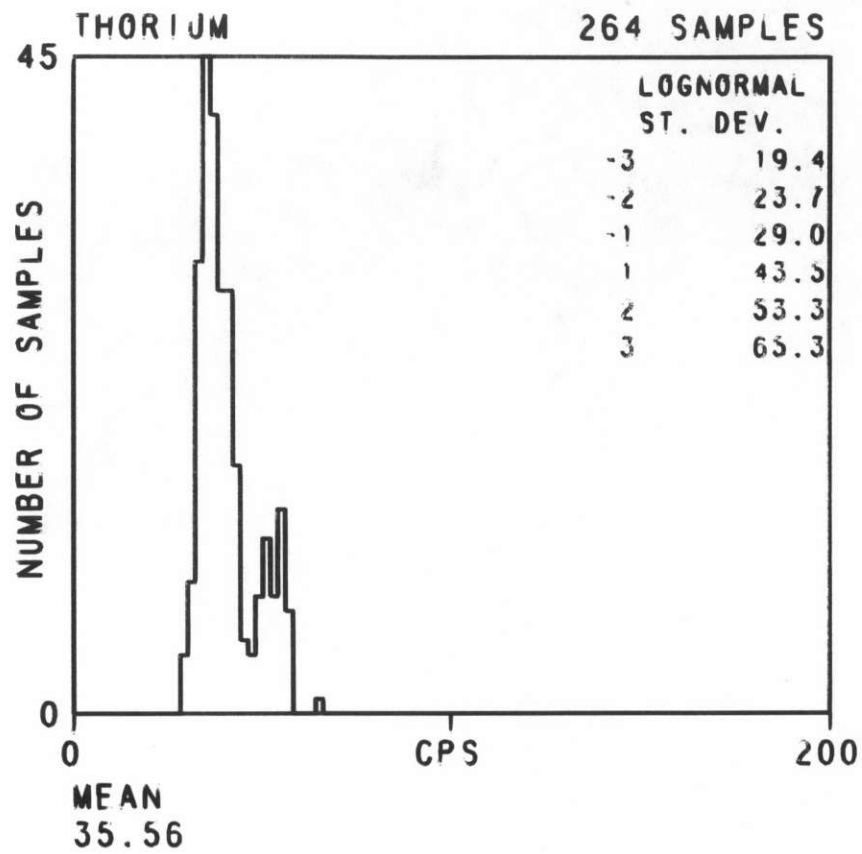
DUBOIS
NL 12-10

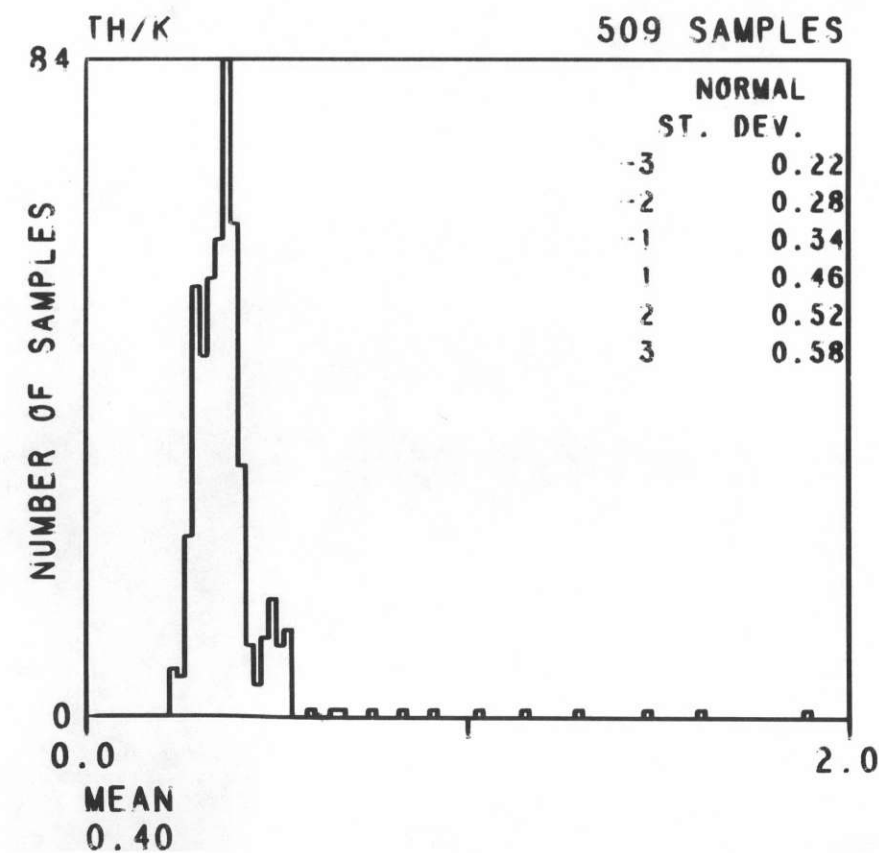
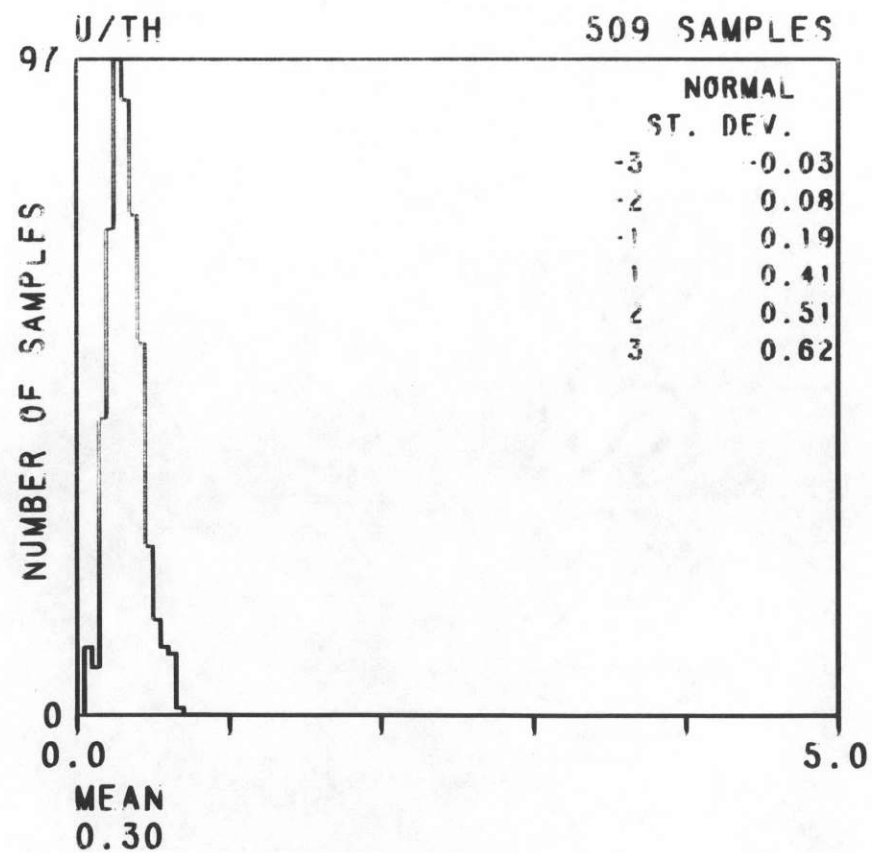
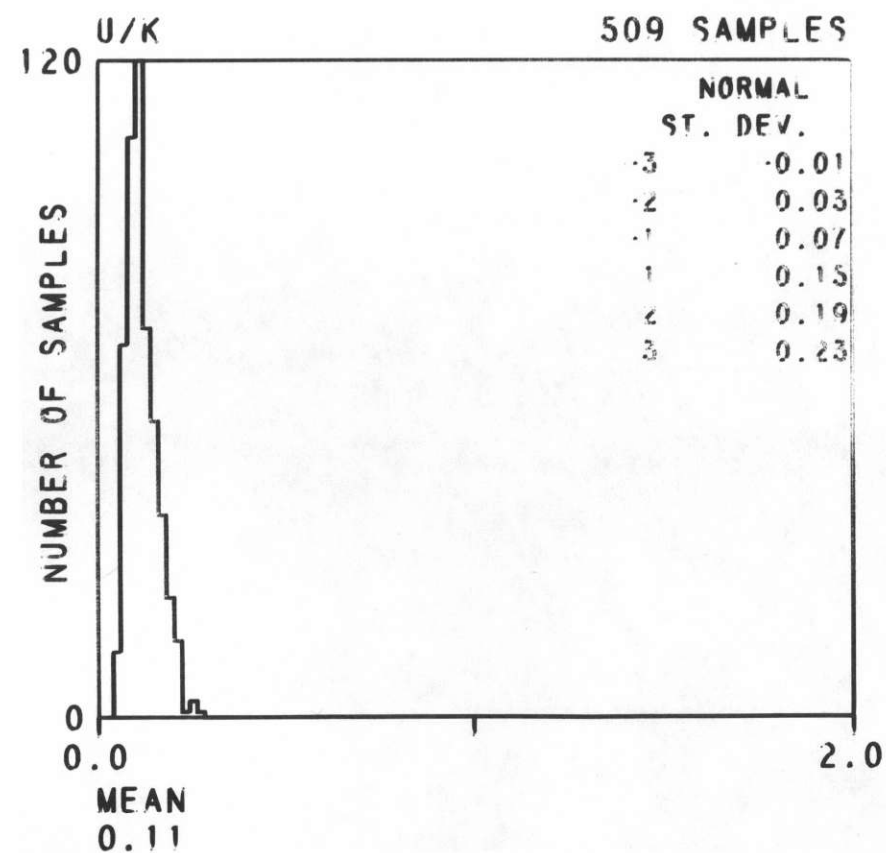
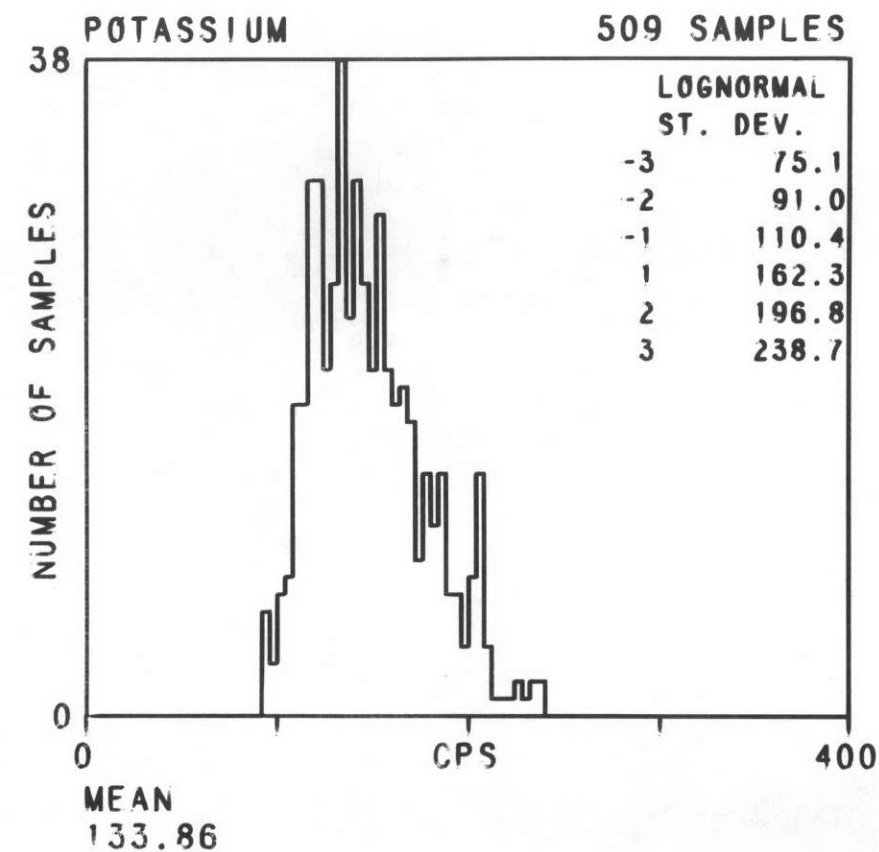
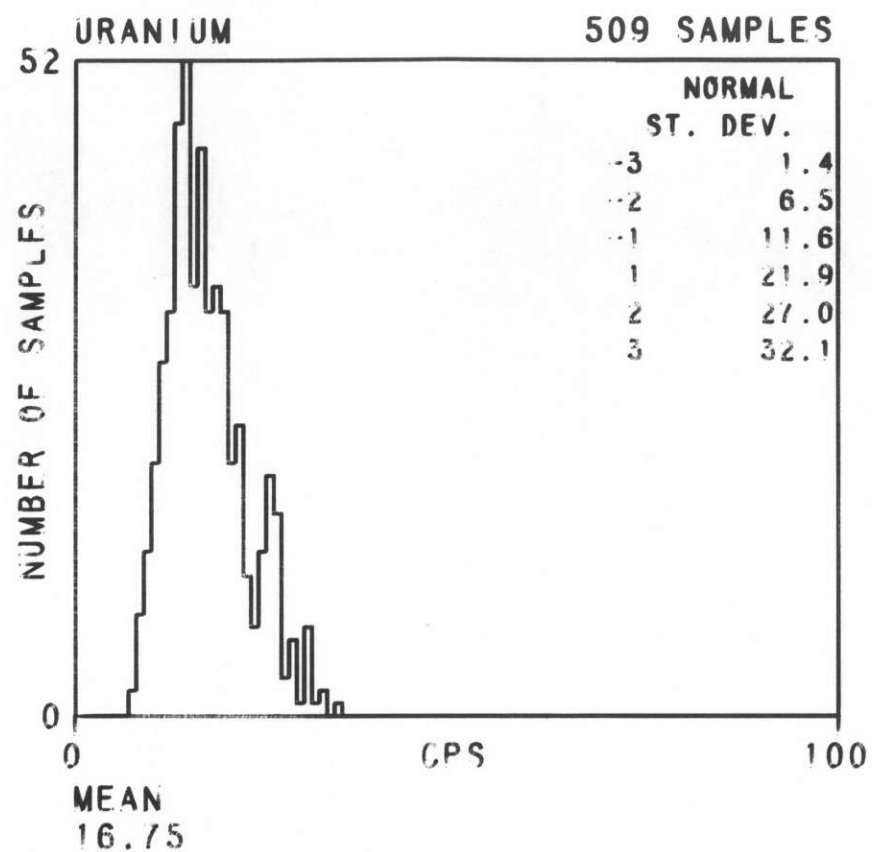
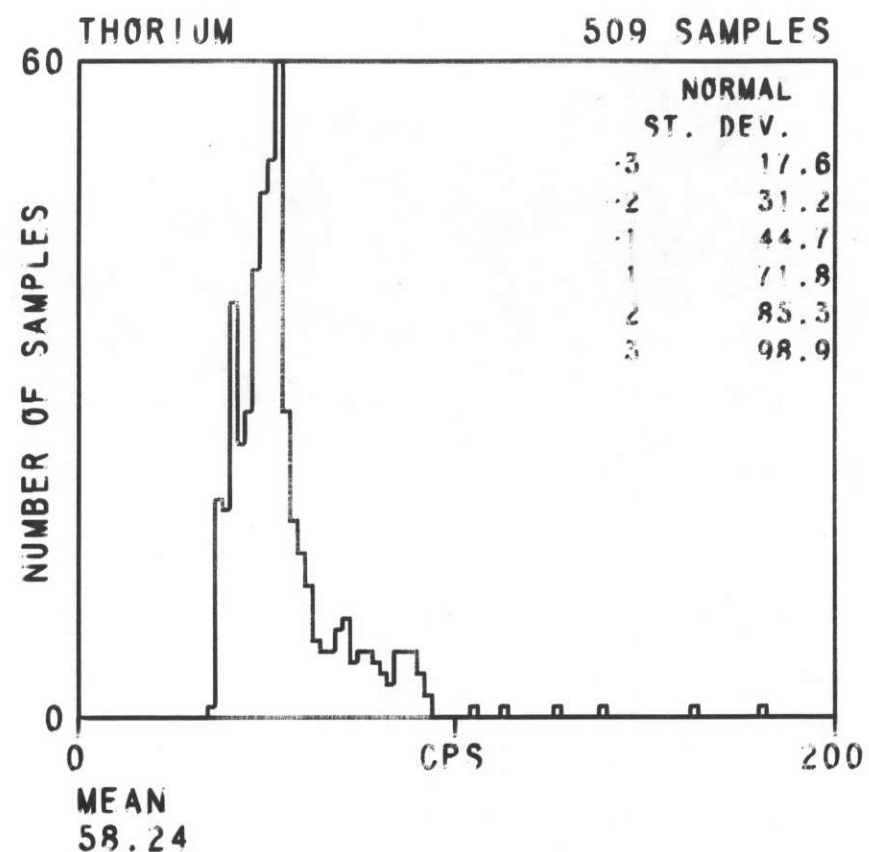
FORMATION TKT
TOTAL SAMPLES 422

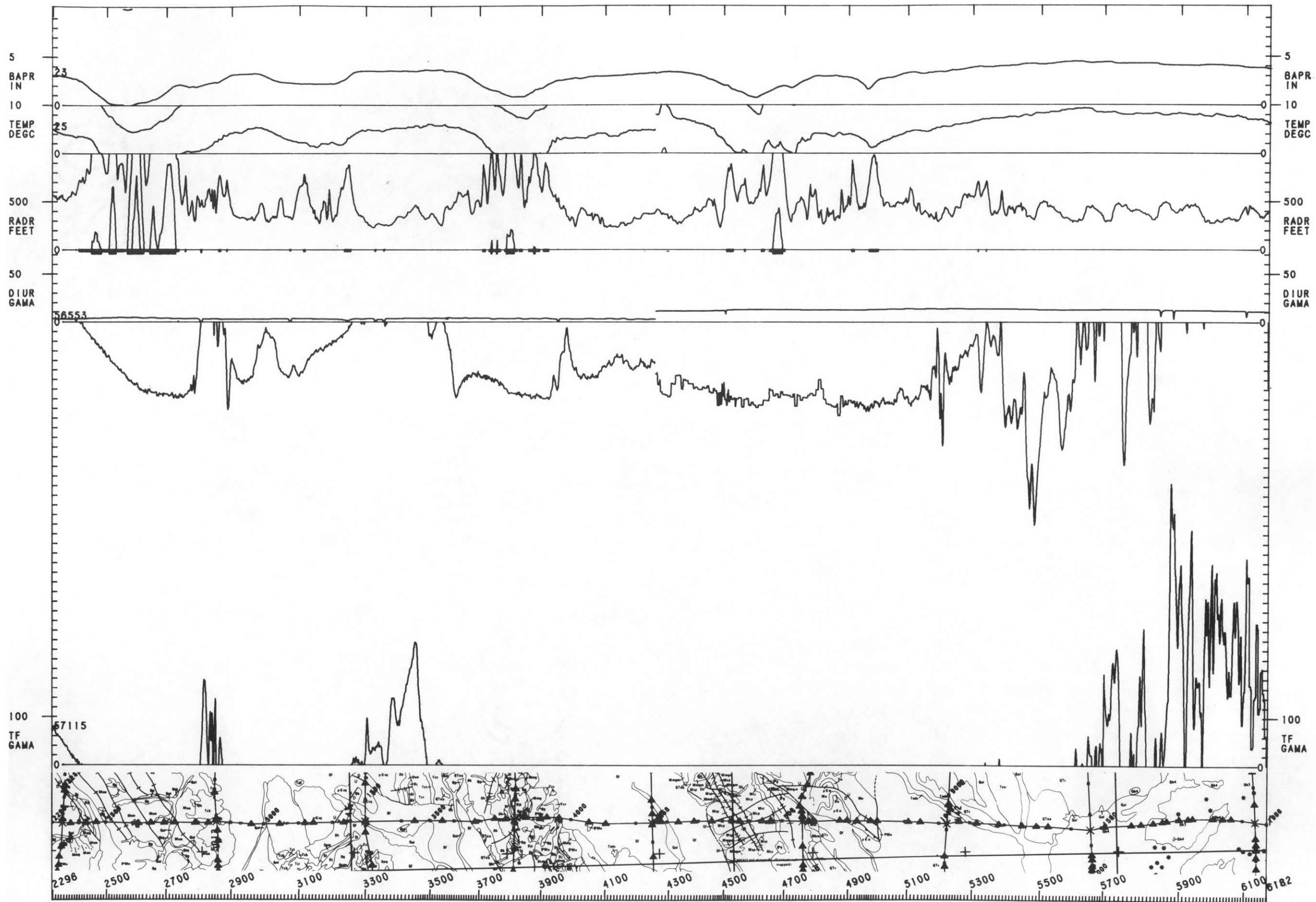
AERO SERVICE
1978









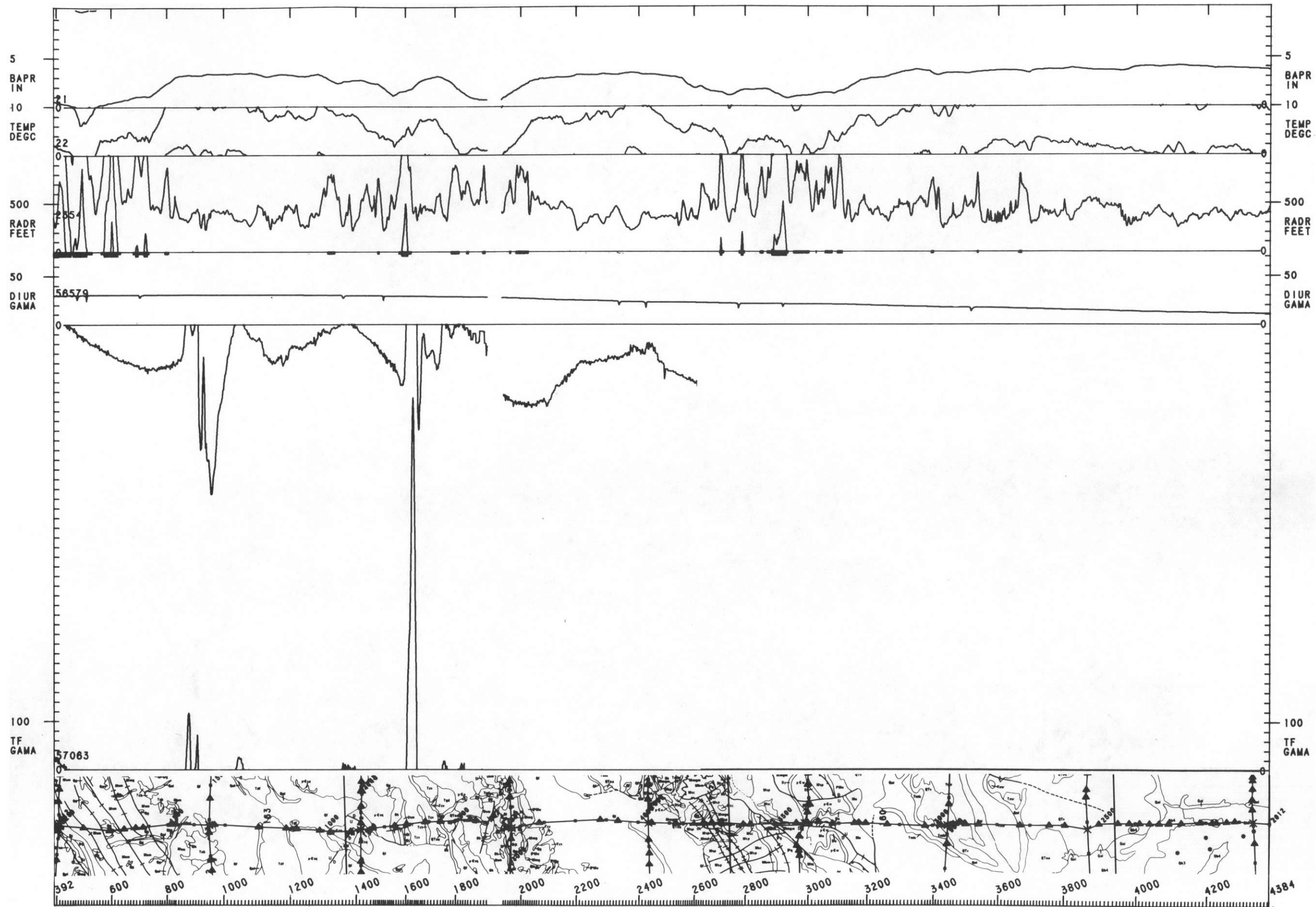


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 140

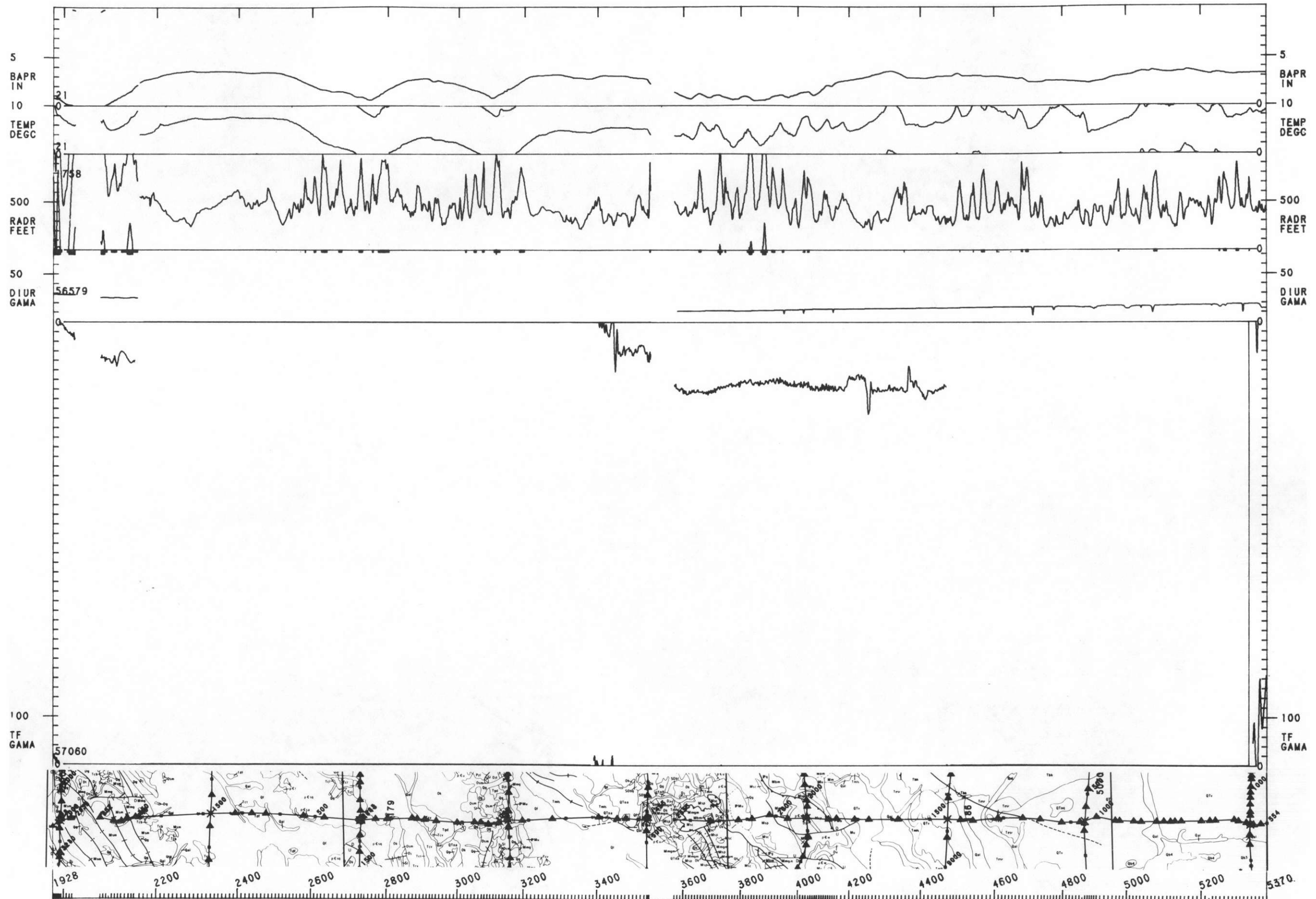


→ 90°



AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 160

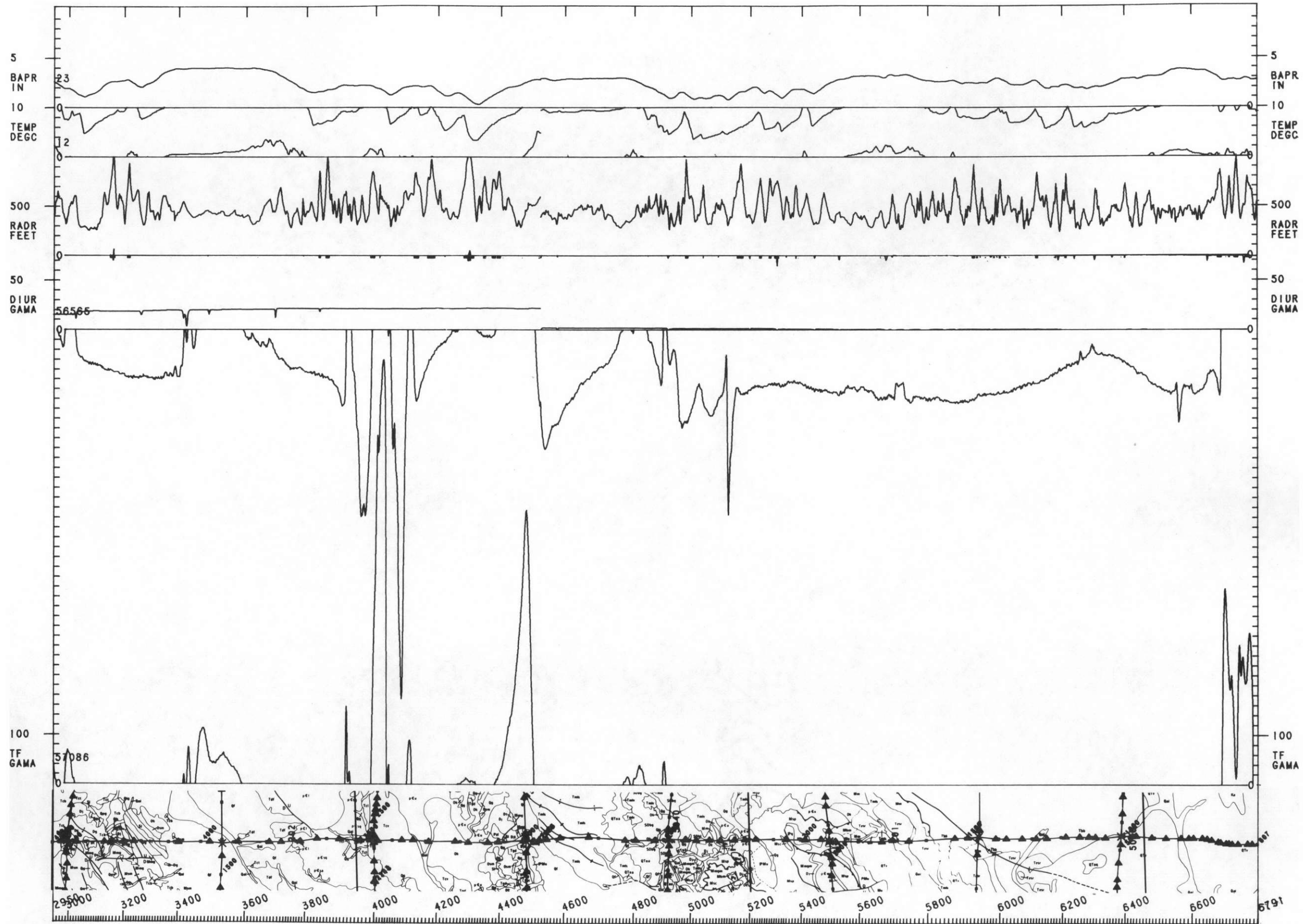


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 180

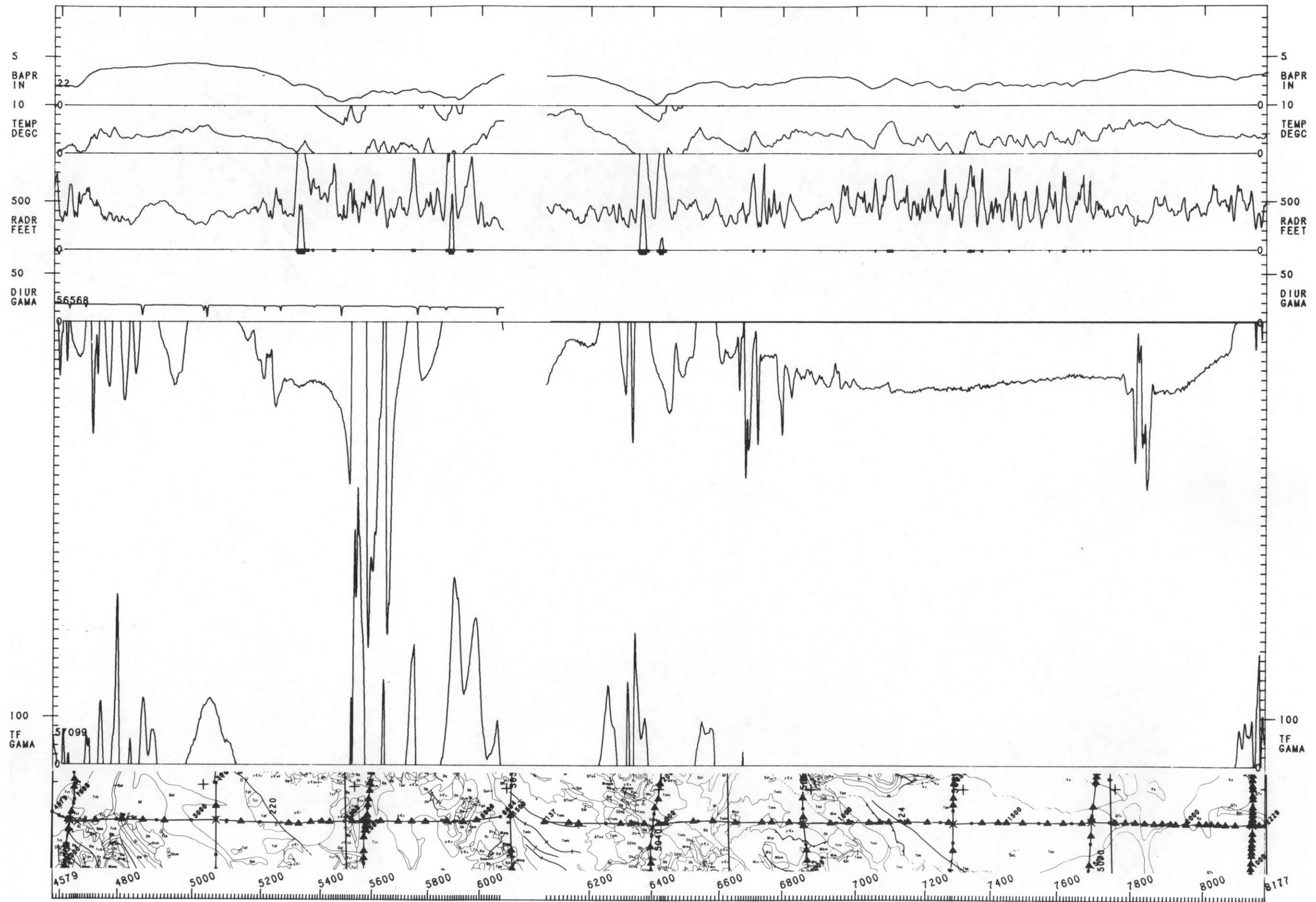


→ 90°

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0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

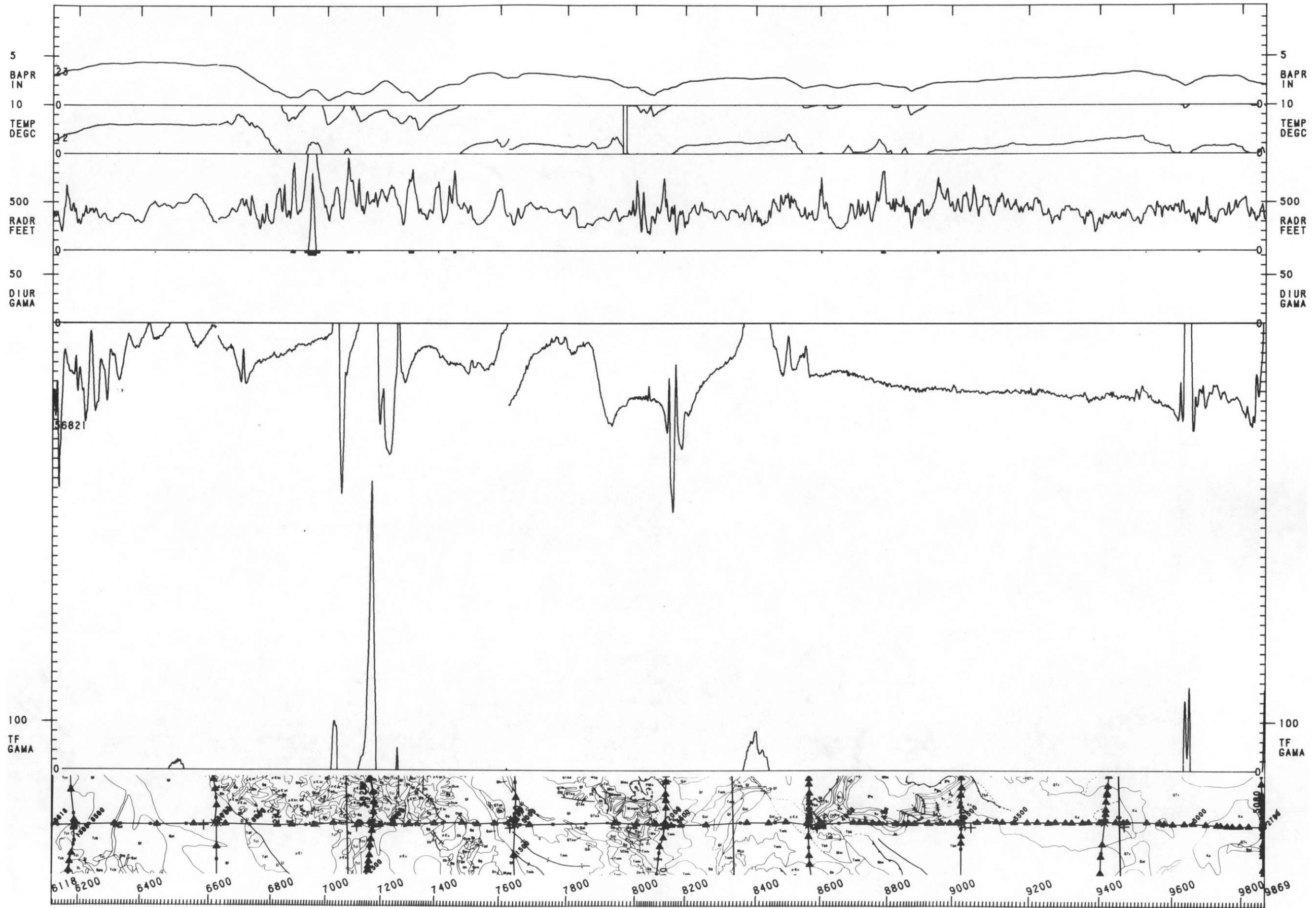
DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 200



→ 90° 0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 220

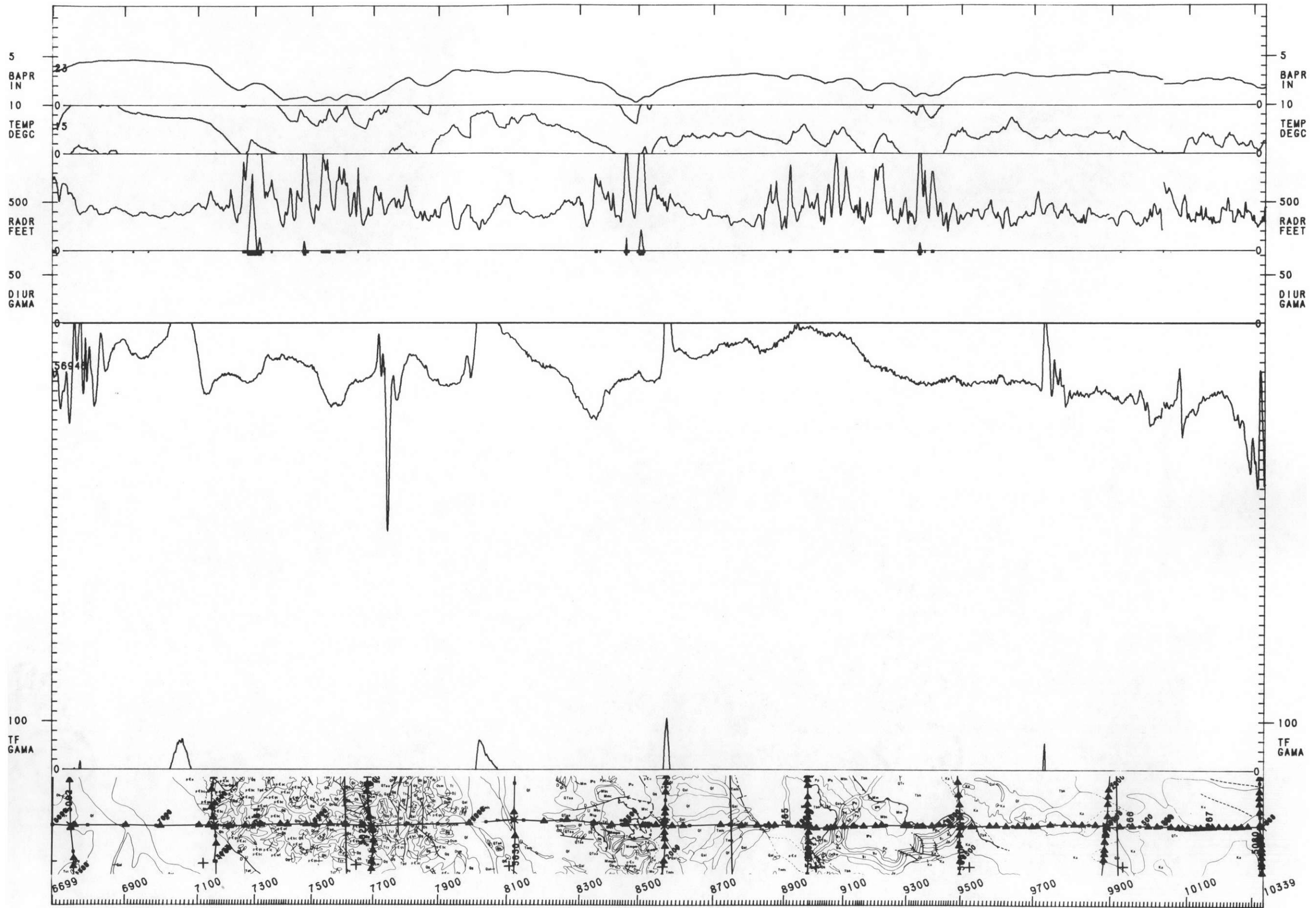


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 240

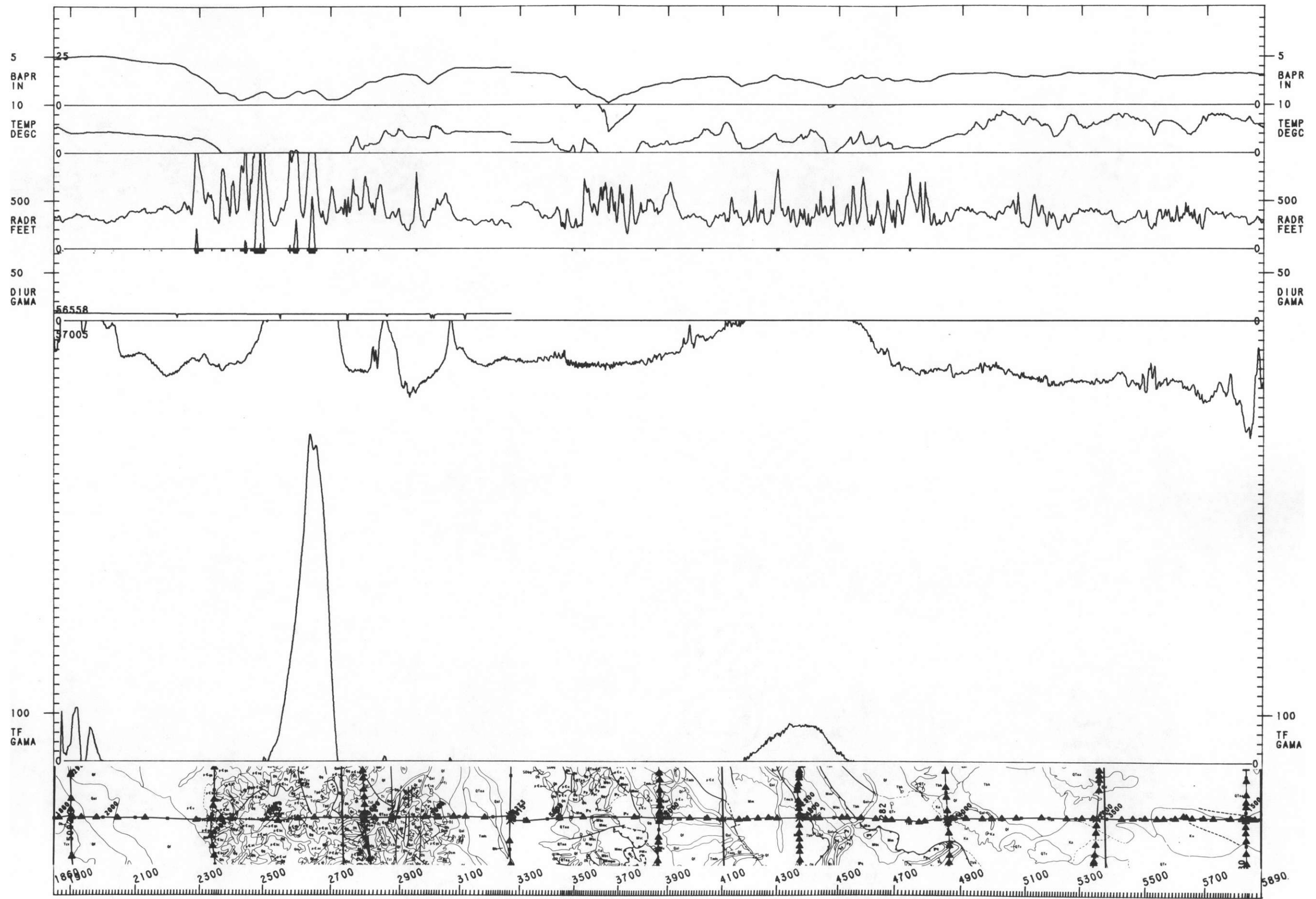


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 260

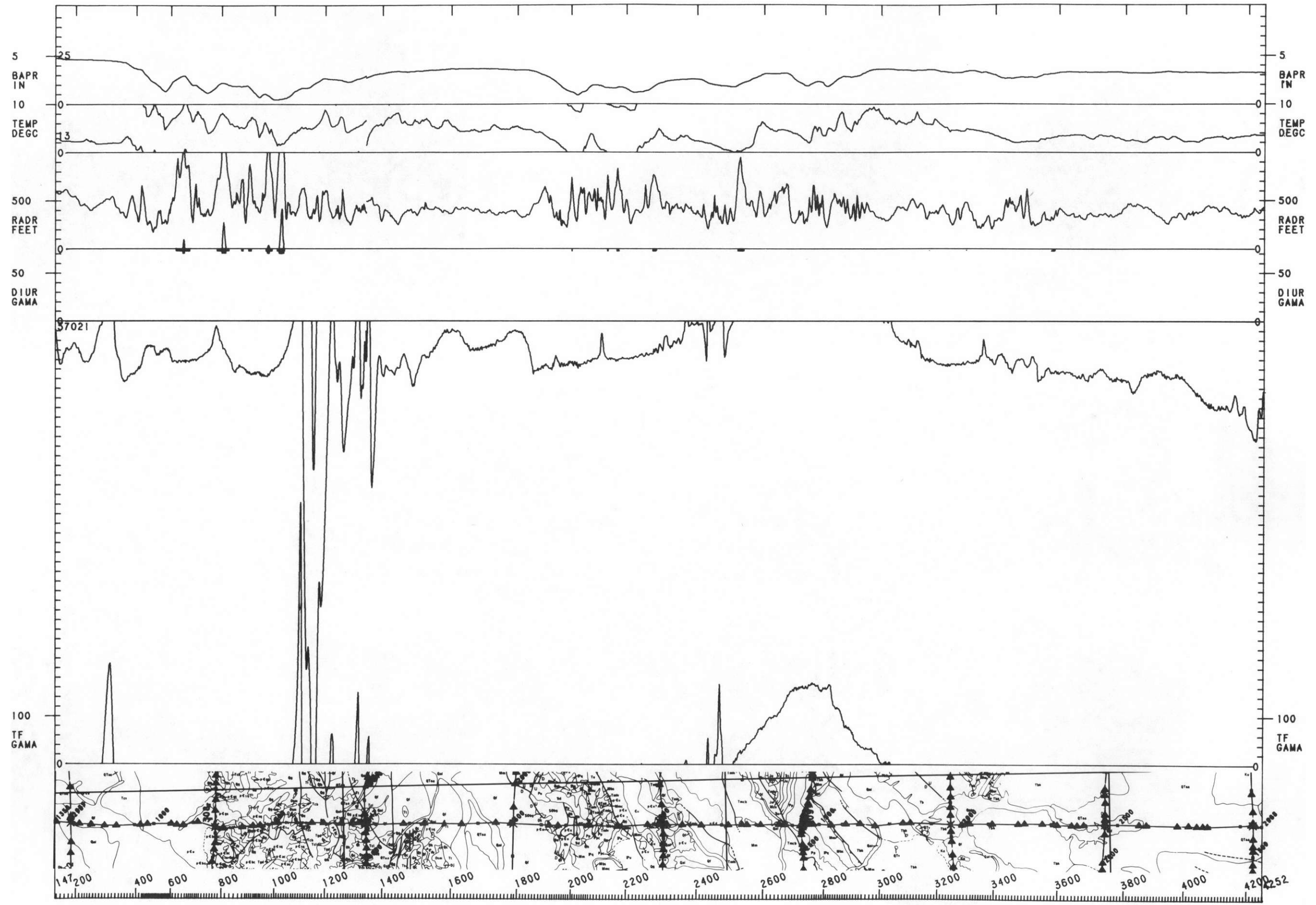


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 280

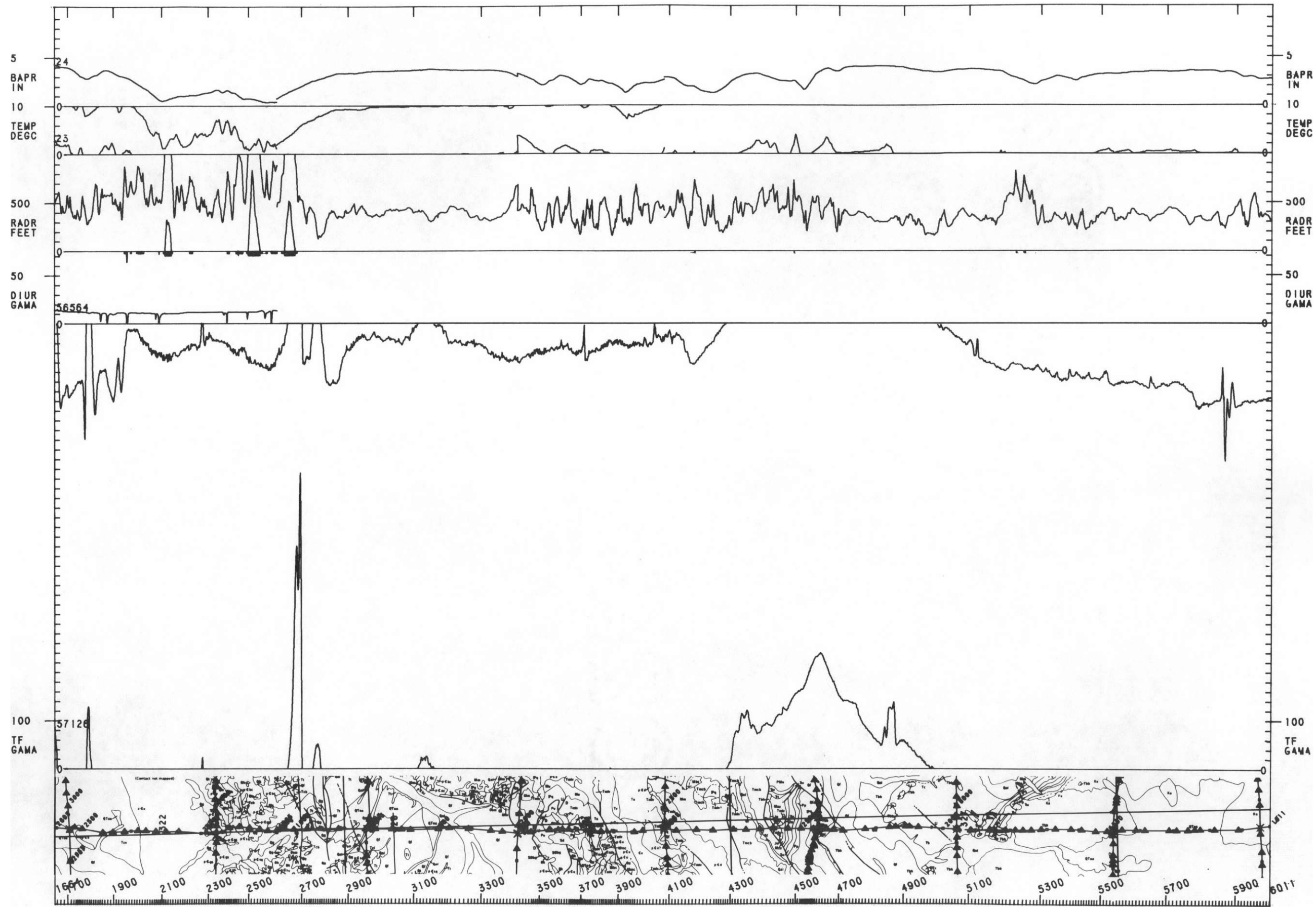


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 300

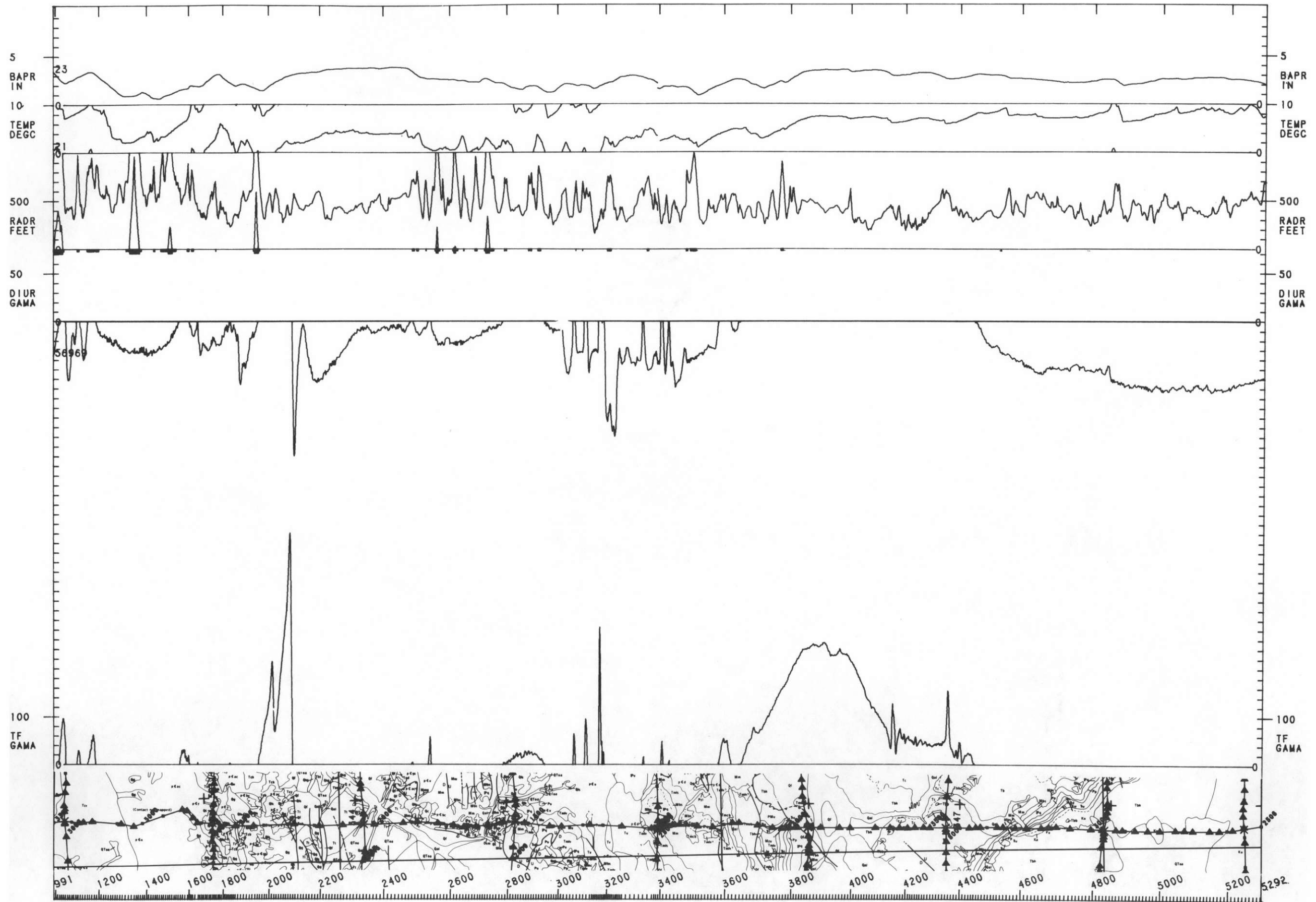


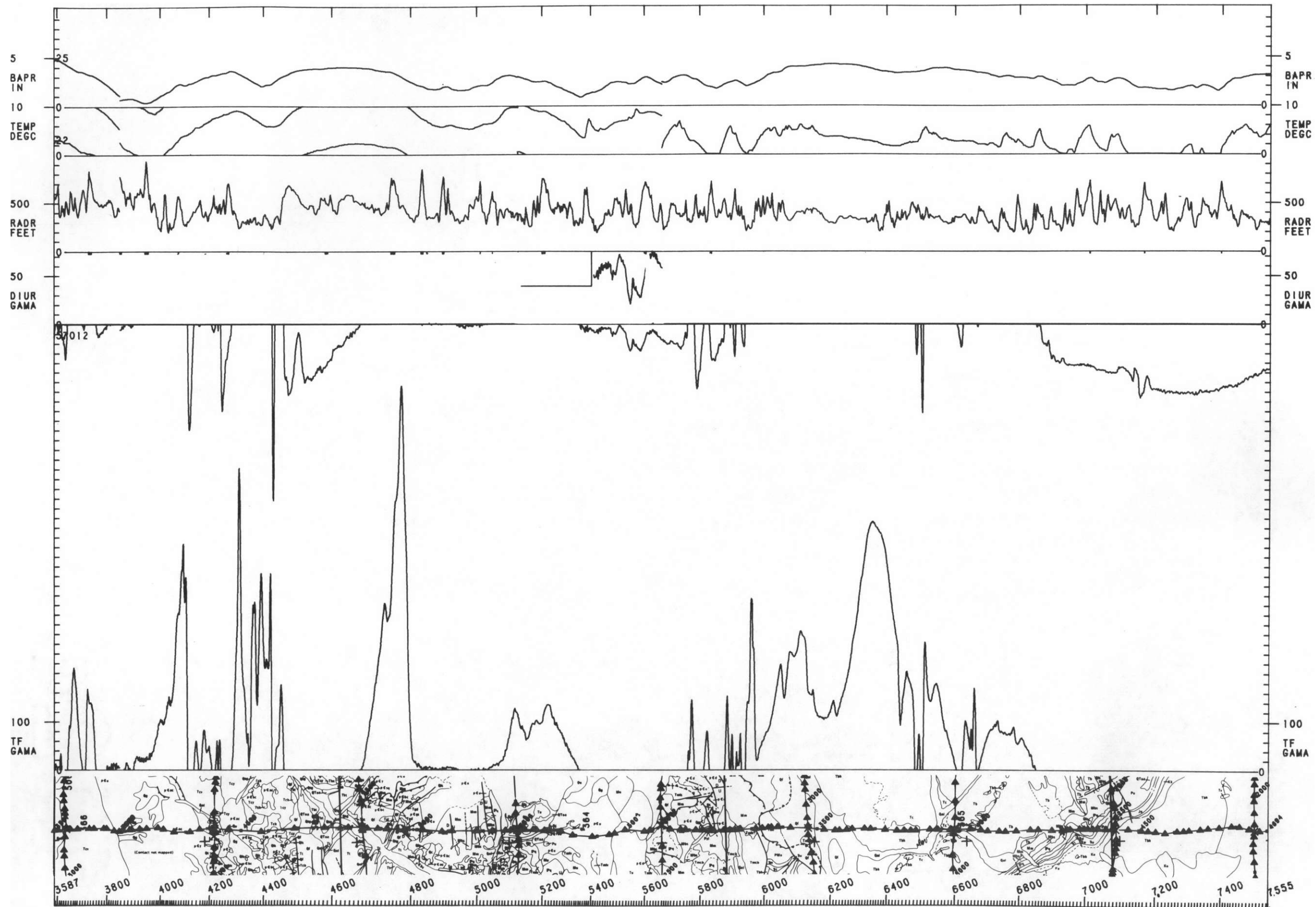
→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AFRO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12 10
LINE 320



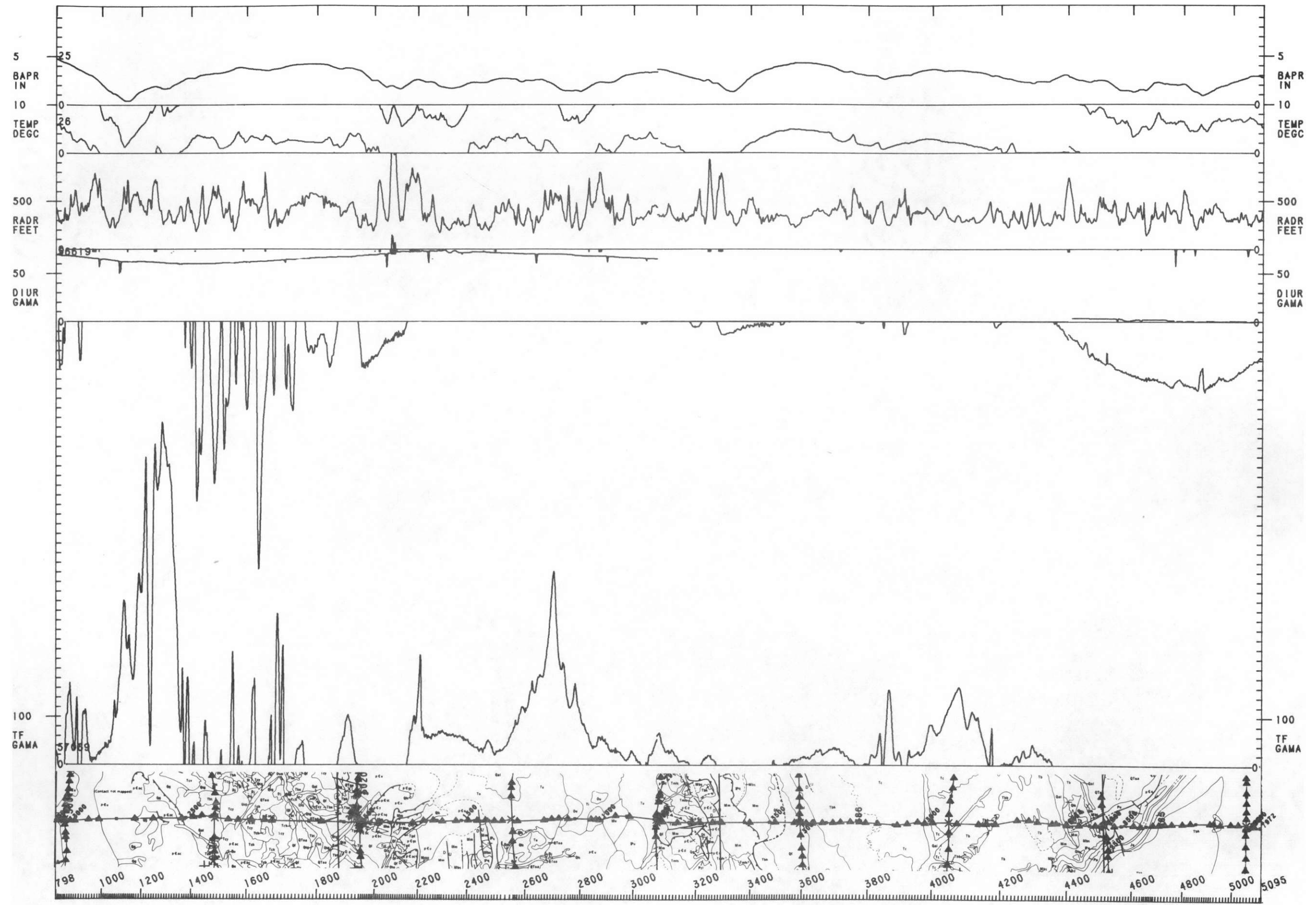


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 360

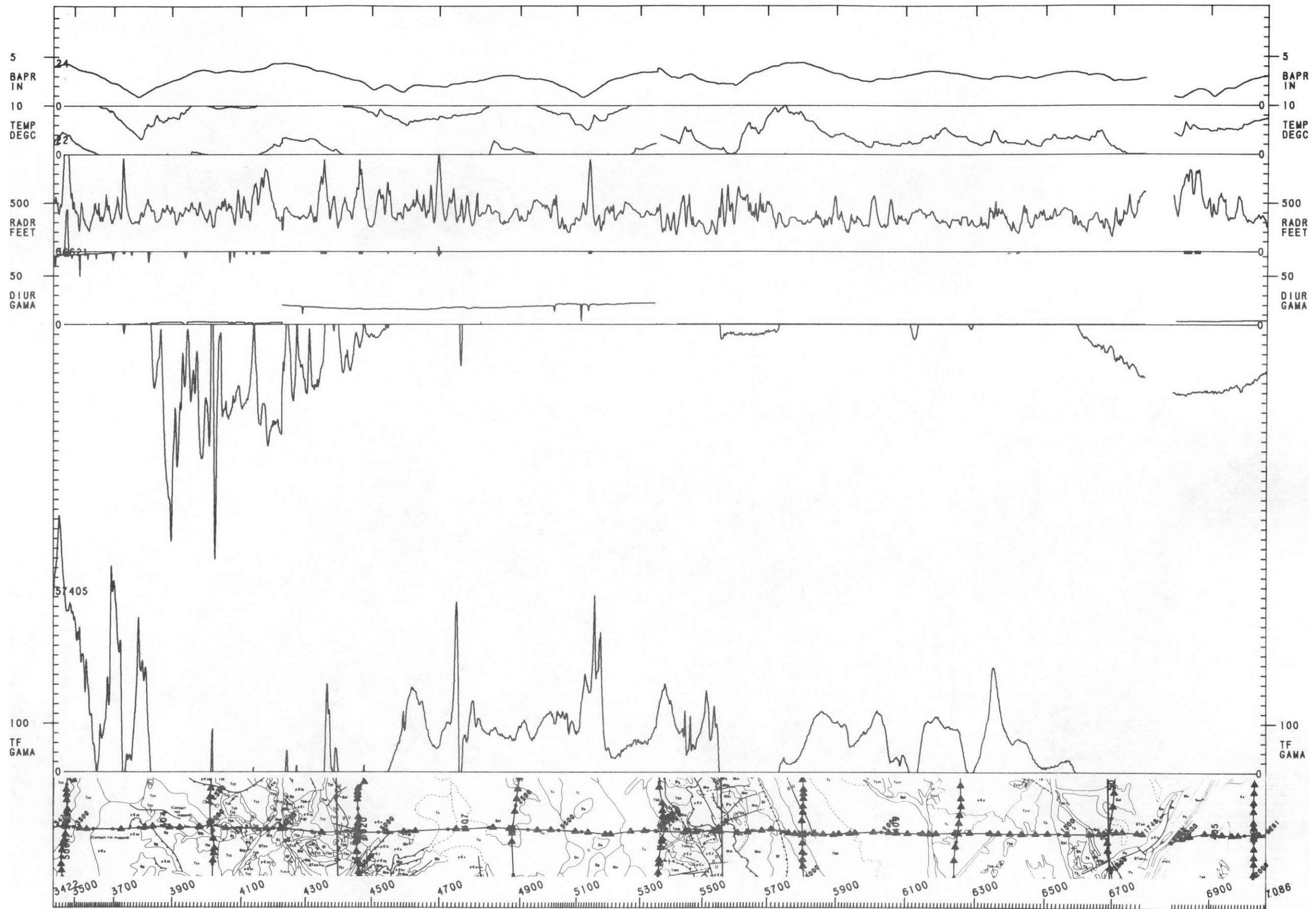


→ 90°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 380

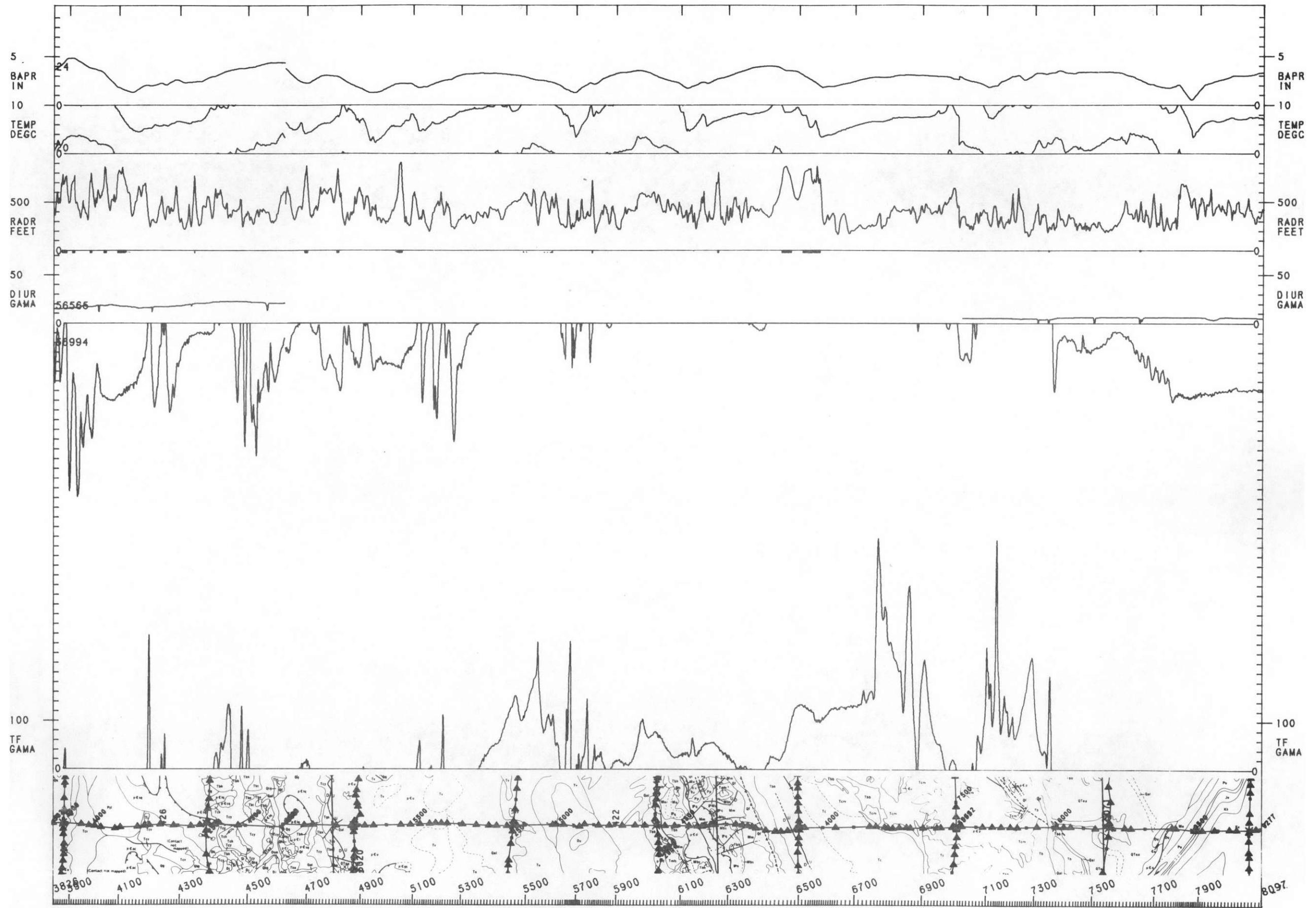


→ 90°

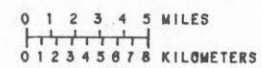
0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 400

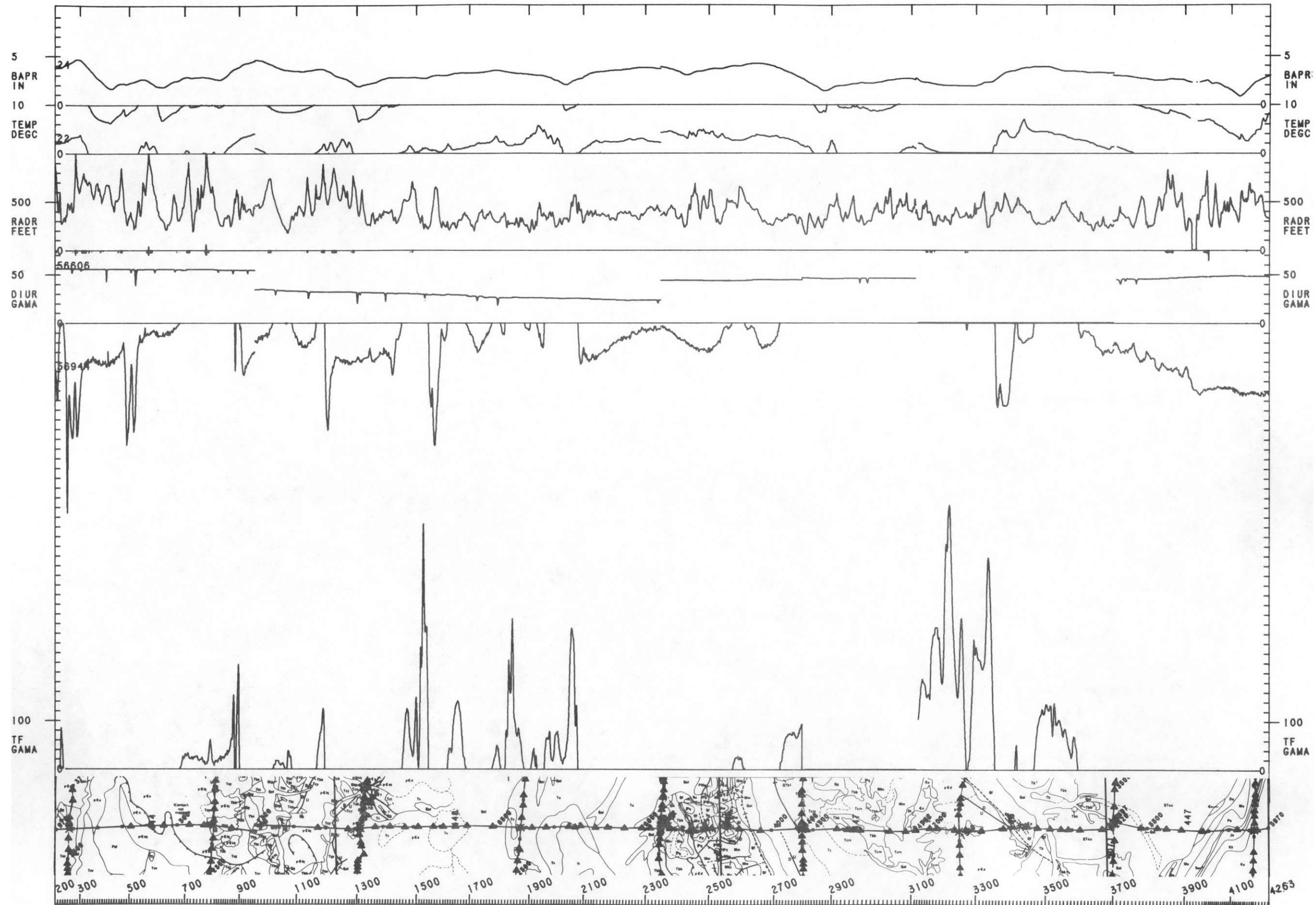


90°



AERO SERVICE
JOB 8613
FLOWN 1978

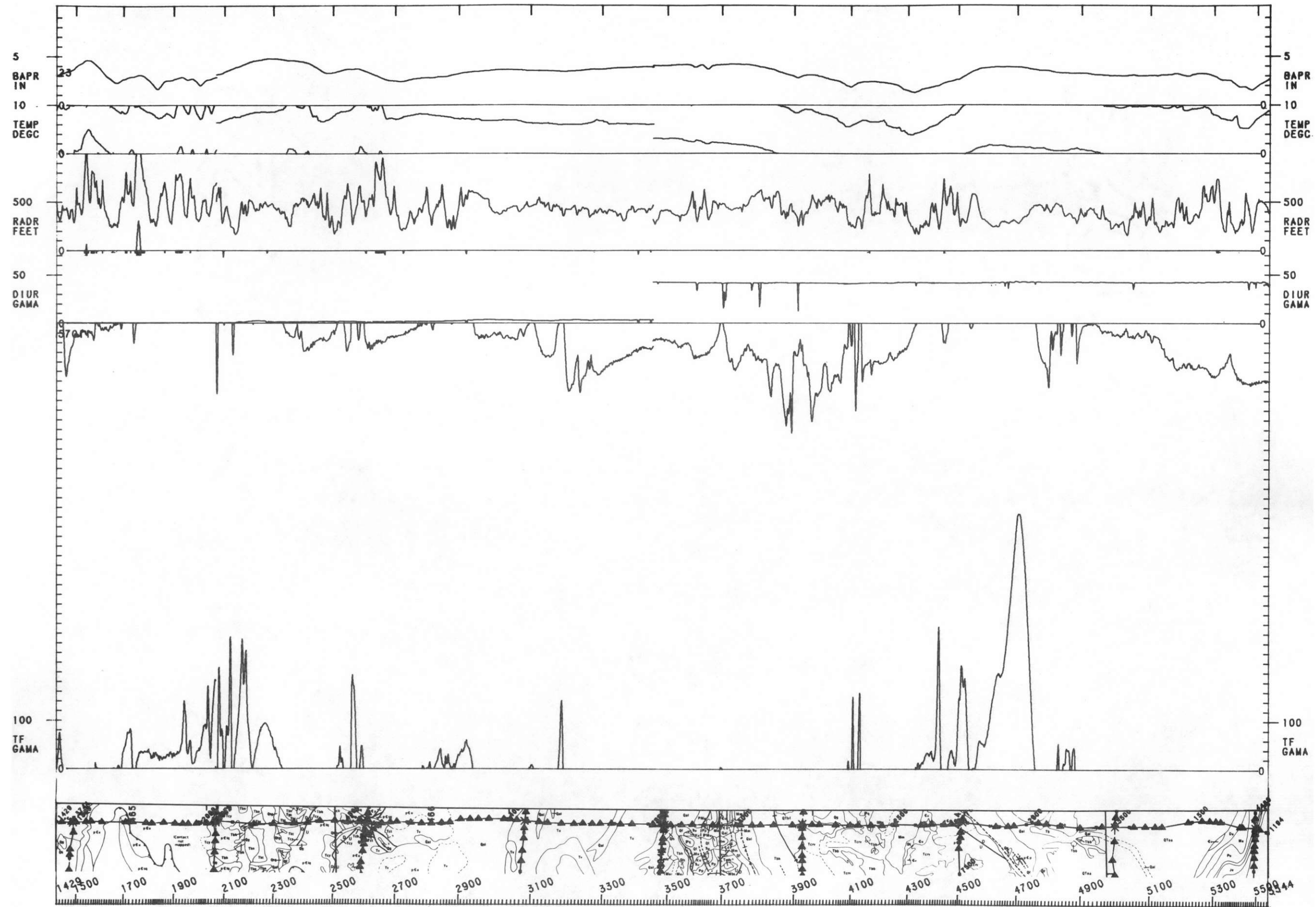
DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 420



→ 90°
 0 1 2 3 4 5 MILES
 0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
 JOB 8613
 FLOWN 1978

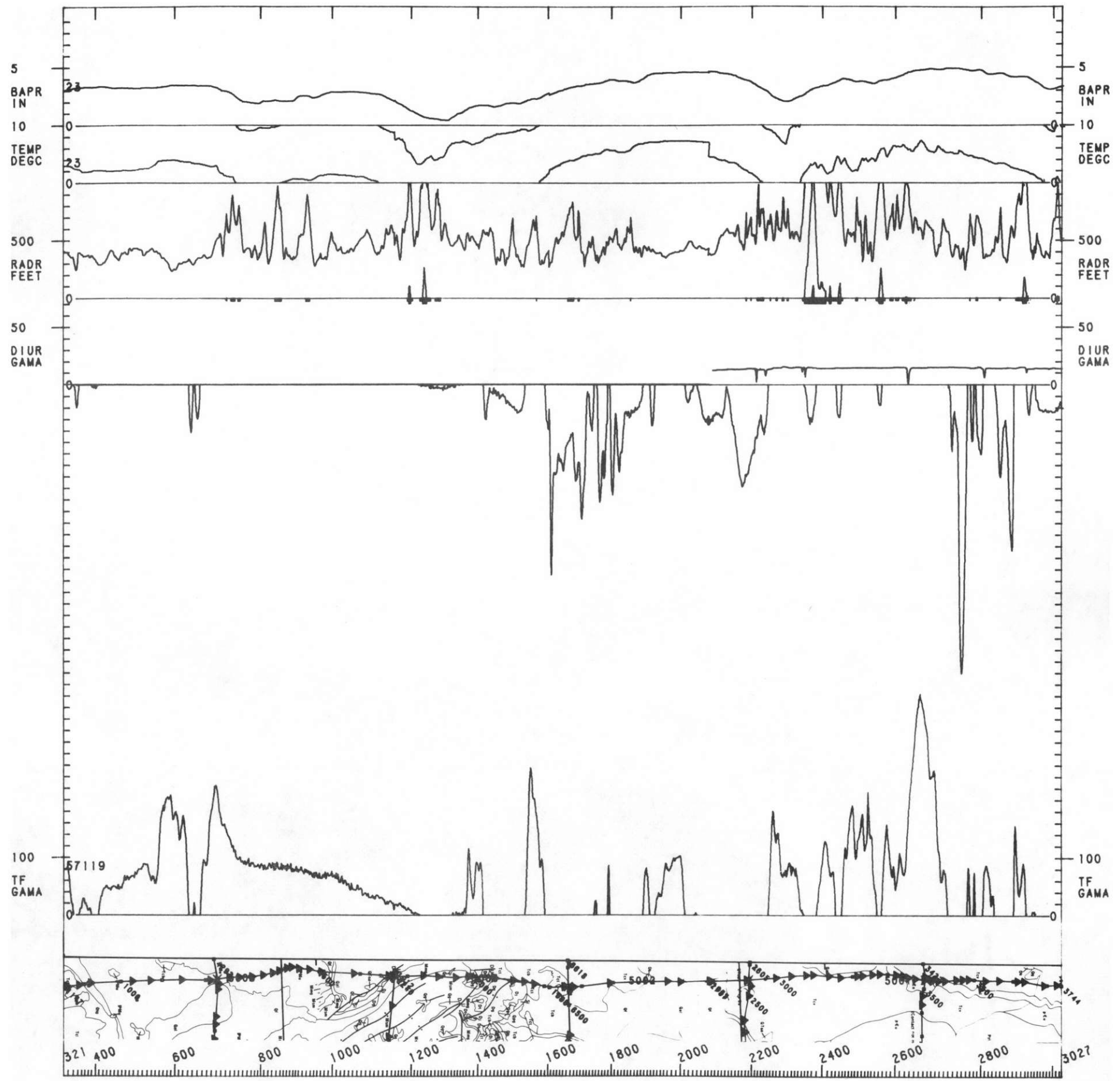
DOE/NURE
 DUBOIS QUAD
 NL 12-10
 LINE 440



→ 90°
 0 1 2 3 4 5 MILES
 0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
 JOB 8613
 FLOWN 1978

DOE/NURE
 DUBOIS QUAD
 NL 12-10
 LINE 460

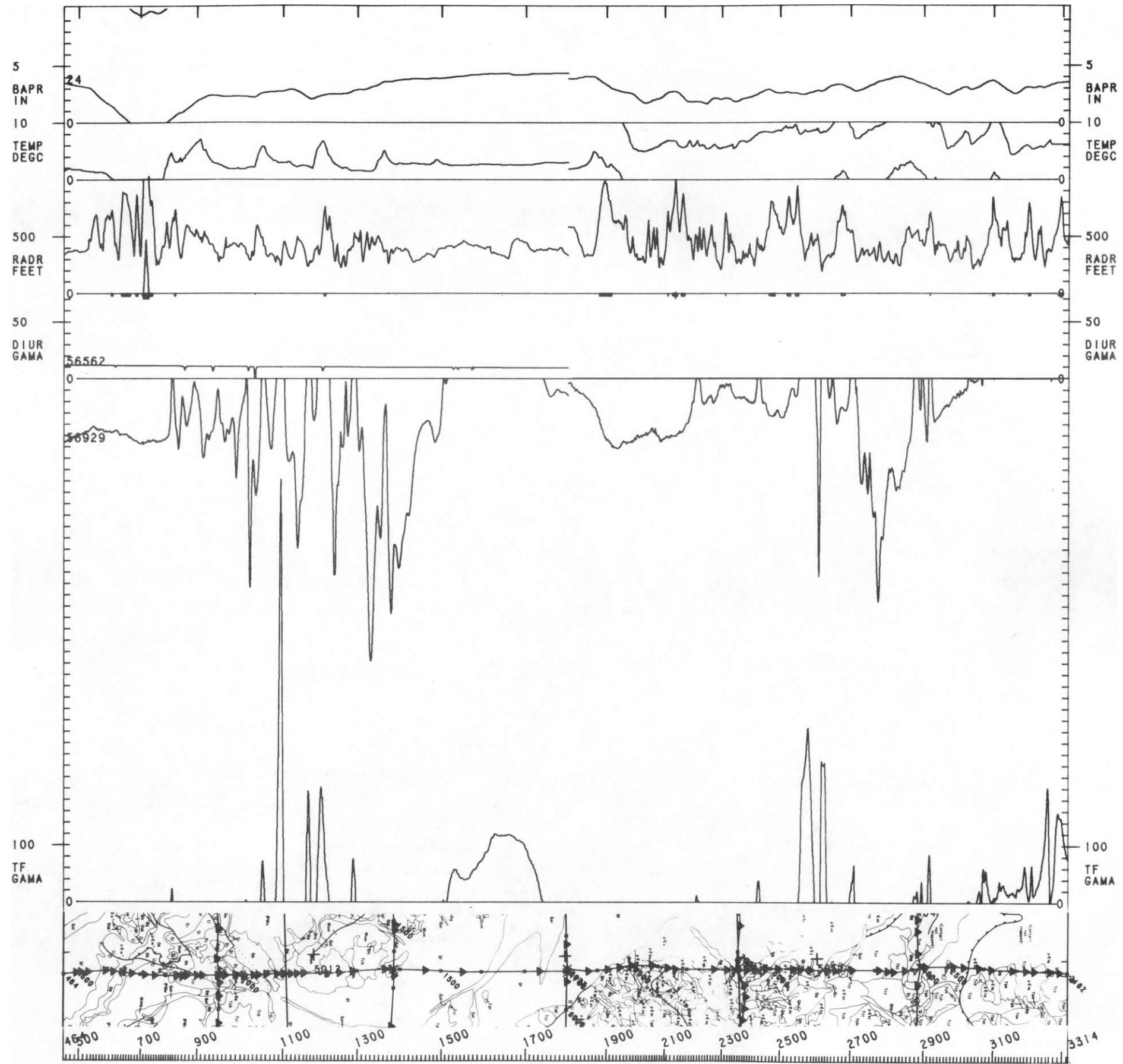


→ 0°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 5000

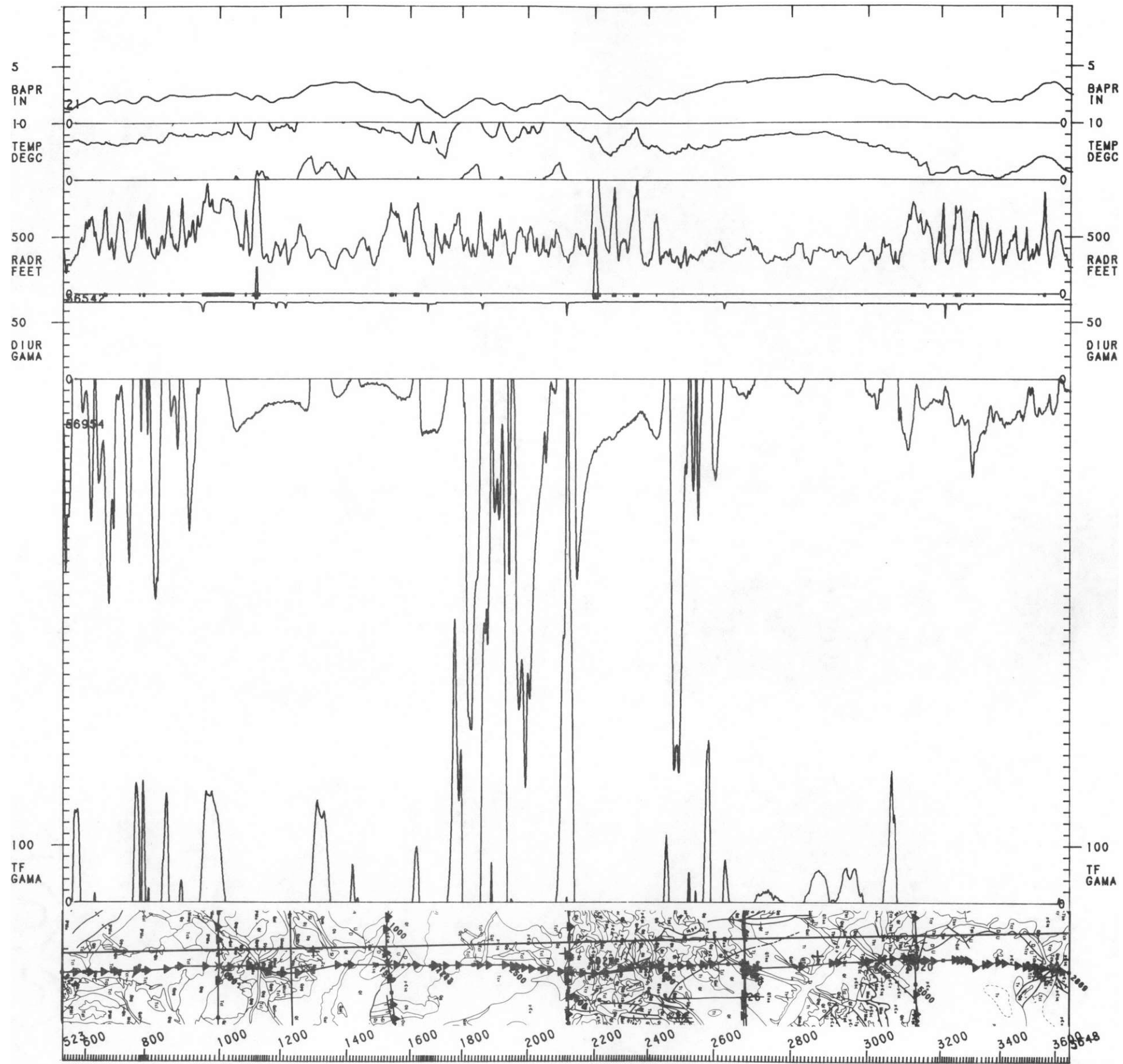


→ 0°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 5010

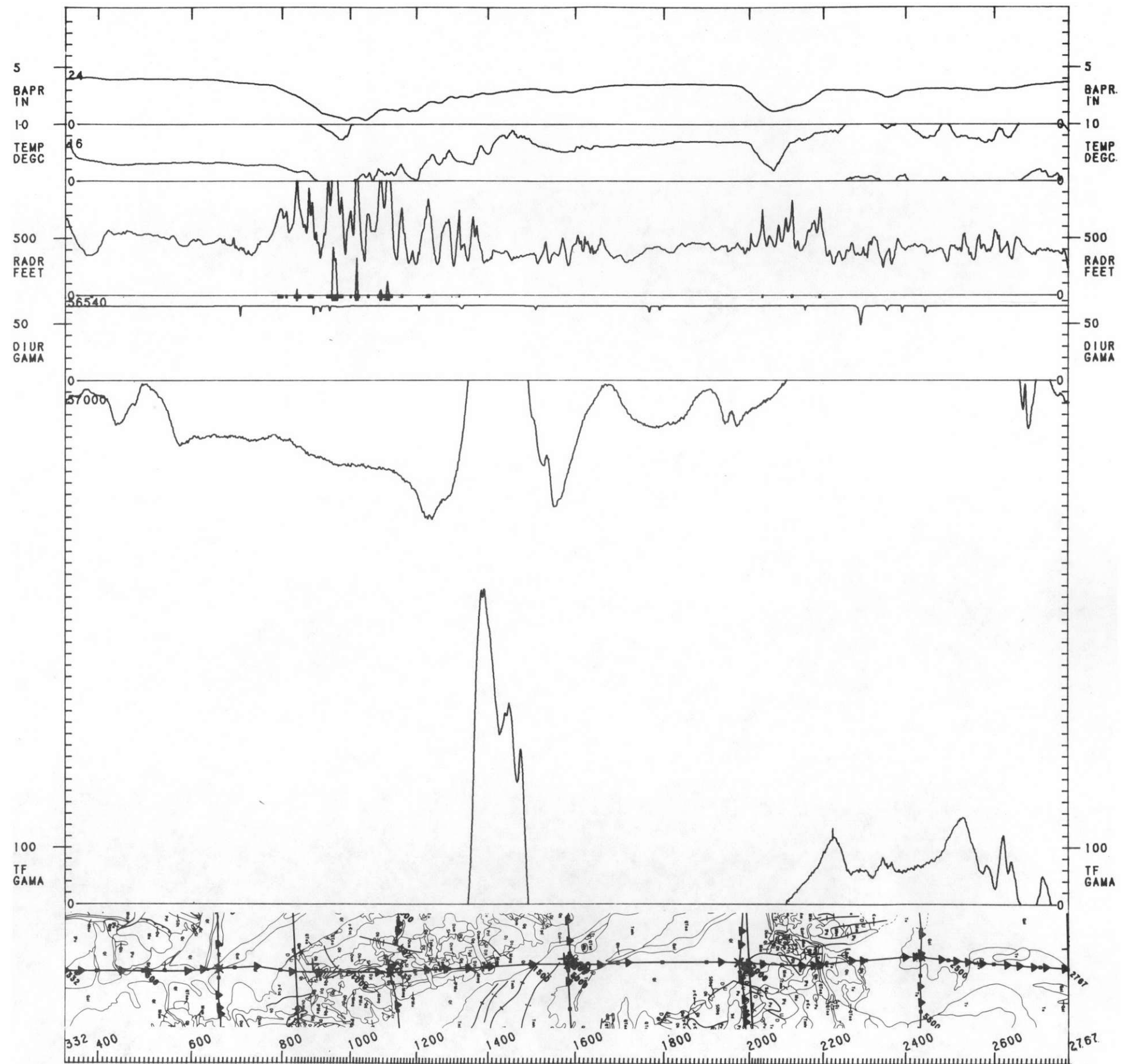


→ 0°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
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FLOWN 1978

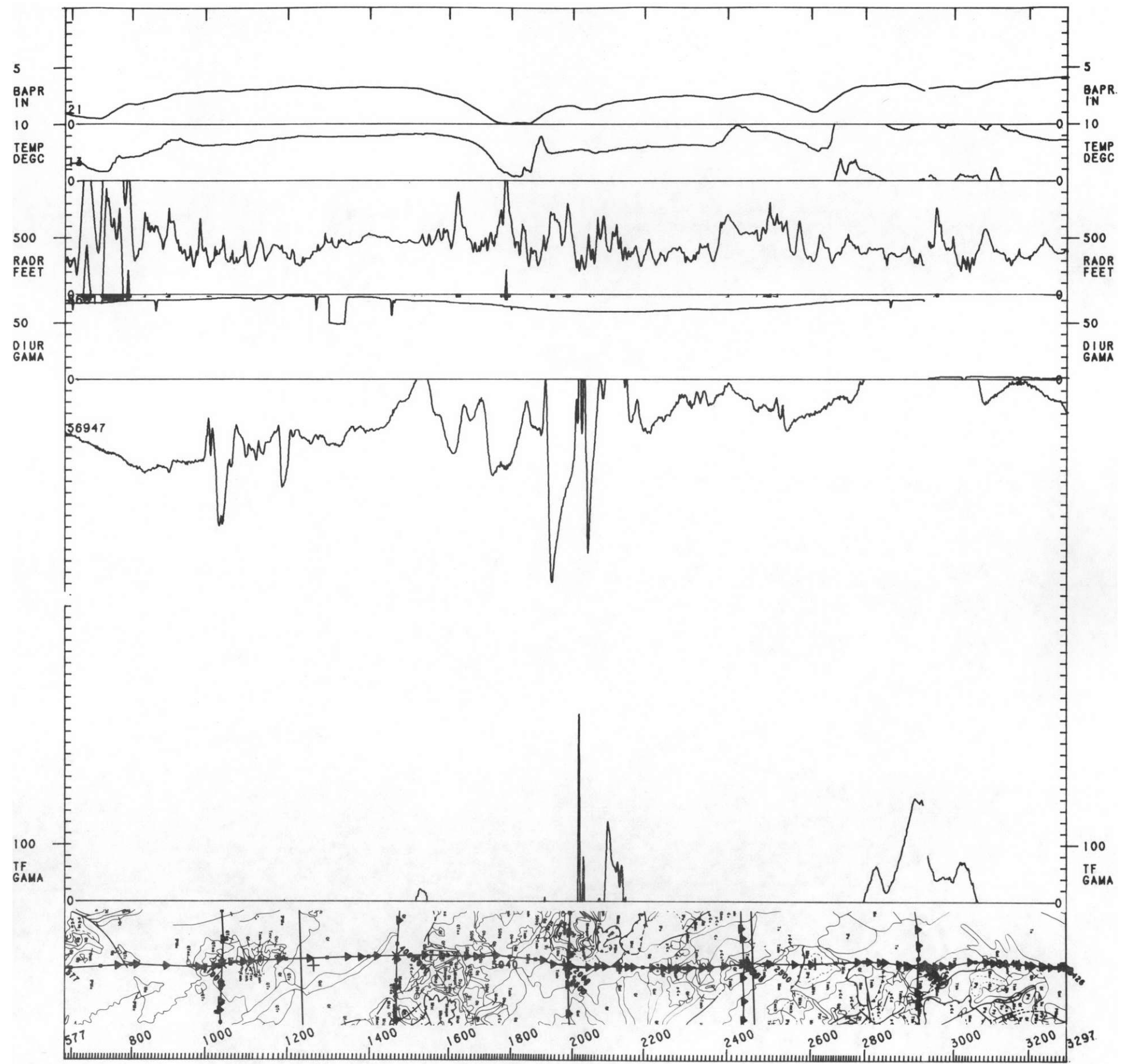
DOE/NURE
DUBOIS QUAD
NL 12-10
LINE 5020



→ 0°
 0 1 2 3 4 5 MILES
 0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
 JOB 8613
 FLOWN 1978

DOE/NURE
 DUBOIS QUAD
 NL 12-10
 LTNE 5030

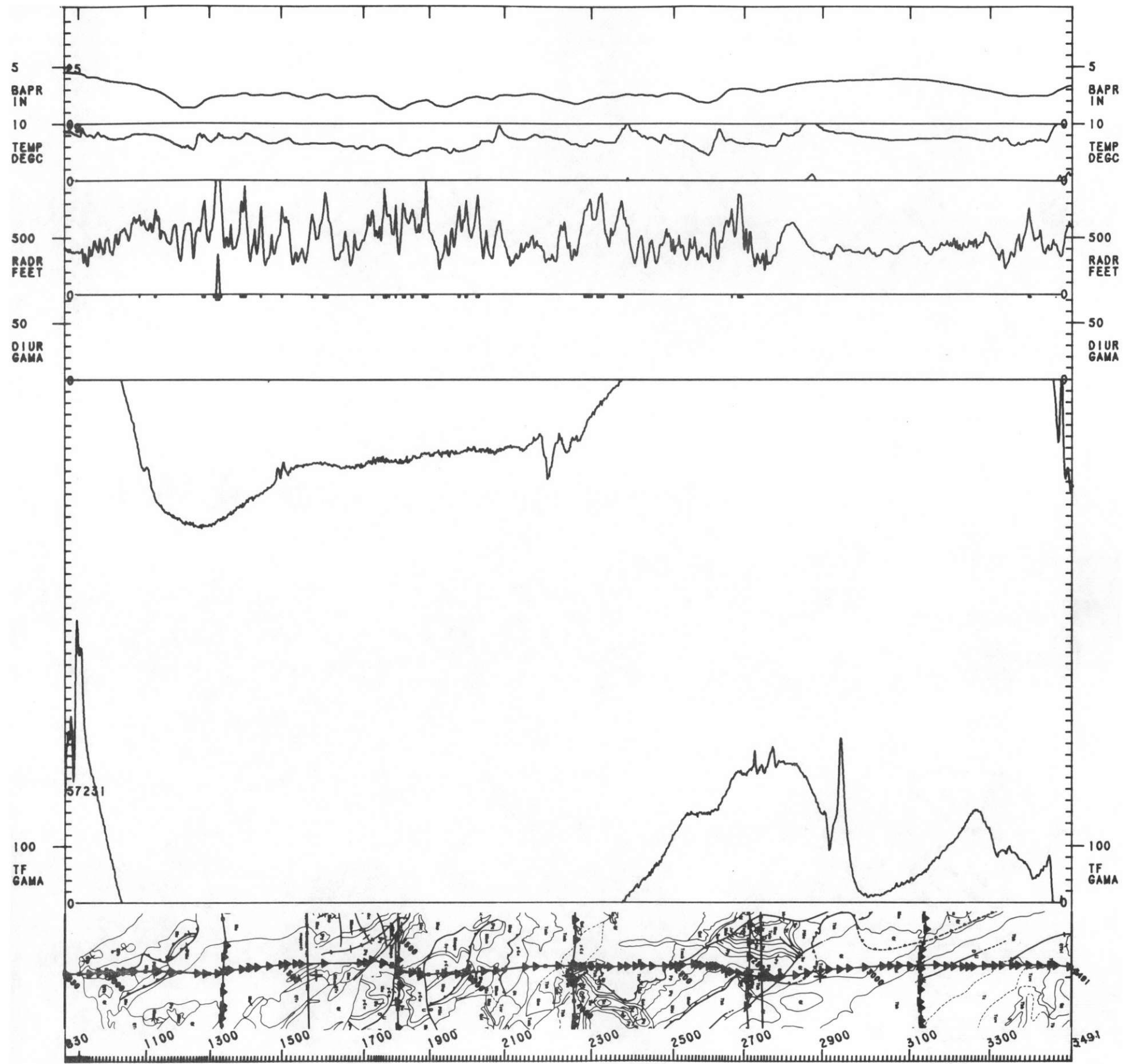


→ 0°

0 1 2 3 4 5 MILES
0 1 2 3 4 5 6 7 8 KILOMETERS

AERO SERVICE
JOB 8613
FLOWN 1978

DOE/NURE
DUBOIS QUAD
NL 12-10
LTNE 5040



AERO SERVICE
 JOB 8613
 FLOWN 1978

DOE/NURE
 DUBOIS QUAD
 NL 12-10
 LINE 5050

