

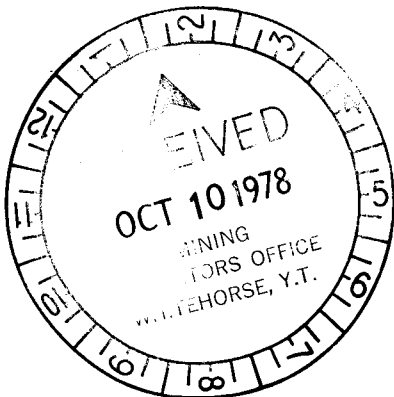
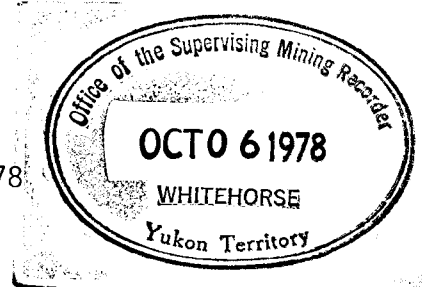
Assessment Report

Wernecke 1-12,21-32,41-52,72,74,76,78,80
and 82 cls.

Mayo Mining District
NTS 106E/1

A.R. Archer, P. Eng.

July 15, 1978



090371

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$4200.00

D. B. Craig
 Resident Geologist or
~~Resident Mining Engineer~~

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

B. R. Baxter
 Supervising Mining Recorder

R. C. [Signature]
 Commissioner of Yukon Territory

ARCHER, CATHRO
AND ASSOCIATES LTD.
CONSULTING GEOLOGICAL ENGINEERS

Whitehorse, Yukon (403) 667-4415

1016 - 510 West Hastings Street Vancouver, B.C. V6B 1L8 (604) 688-2568

Post Office Box 4127
Whitehorse, Yukon
Y1A 3S9

Report on
Detailed Radiometric Grid Survey
and
Airborne Radiometric Survey
Wernecke 1-12, 21-32, 41-52, 72, 74, 76, 78, 80, 82 Claims

Mayo Mining District
Claim Sheet 106E/1
Latitude 65°07'N Longitude 134°23'W

July 15, 1978

Alan R. Archer, P. Eng.

Consulting Engineer

TABLE OF CONTENTS

<u>Text</u>	<u>Page</u>
Introduction -----	1
Property, Location and Access -----	1
Airborne Radiometric Survey -----	2
Instrumentation -----	3
Flight Procedure -----	3
Data Organization -----	3
Results -----	3
Ground Radiometric Survey and Prospecting -----	4
Conclusion -----	5

Appendix One, Tape One, traverses 78604.13 - .19
Tape Two, traverses 78604.13 - .19
Tape Three, traverses 78605.23 - .27
Tape Four, traverses 78605.23 - .27
Tape Five, traverses 78626.1 - .6
Tape Six, traverses 78626.1 - .6

<u>Figure</u>	<u>Follows Page</u>
Figure W1 Grid Location and Grouping Plan	1
Figure W2 Ground Radiometric Survey and Geology, 1978 Grid	in pocket
Figure W3 Airborne Radiometric Survey, Total Count	in pocket
Figure W4 Airborne Radiometric Survey, Uranium	in pocket
Figure W5 Airborne Radiometric Survey, Thorium	in pocket
Figure W6 Airborne Radiometric Survey, Potassium	in pocket

INTRODUCTION

The Wernecke claims cover a uranium occurrence found by Wernecke Joint Venture (Standard Oil Company of B.C. Ltd., Aquitaine Company of Canada Ltd., and Messrs. L. and H. Clay) in July 1975 and explored by preliminary geological mapping and radiometric surveys. In 1976, the property was optioned to Eldorado Nuclear Limited and more detailed geological surveys of the central claims and detailed radiometric surveys of the main uranium showing were carried out. In early 1978 an orthophoto map was prepared to aid ground work and to provide better control for airborne surveys. The airborne survey was conducted on June 4, 5 and 26 by geologist C.A. Main and ground radiometrics, mapping and prospecting was conducted over an anomalous area during the period June 18 to 29 by geologist J. Chapman assisted by prospectors G. Matthews, A. Halleran and S. Veerman. The program was supervised by geologist U. Schmidt and managed by Archer, Cathro & Associates Ltd.

PROPERTY, LOCATION AND ACCESS

The property consists of 42 contiguous mineral claims recorded in the Mayo Mining District as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Wernecke 1-12	Y97944-Y97955	21 April, 1979
Wernecke 21-32	Y97964-Y97975	21 April, 1979
Wernecke 43-52	YA1353-YA1362	30 March, 1979
Wernecke 72	YA1382	30 March, 1979
Wernecke 74	YA1384	30 March, 1979
Wernecke 76	YA1386	30 March, 1979
Wernecke 78	YA1388	30 March, 1979
Wernecke 80	YA1390	30 March, 1979
Wernecke 82	YA1392	30 March, 1979

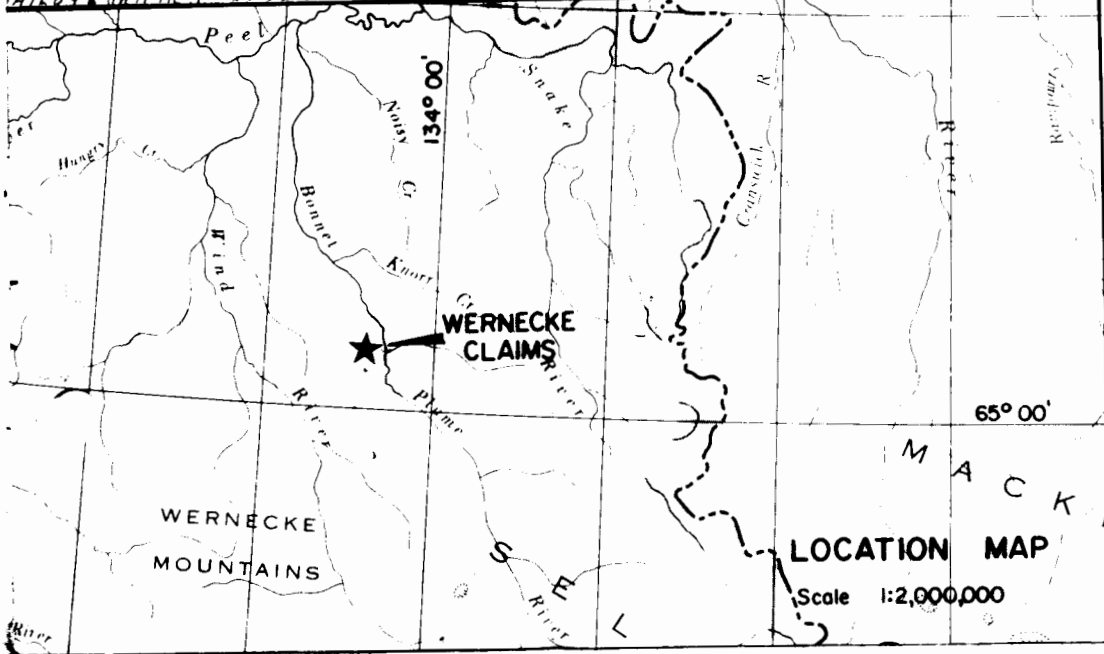
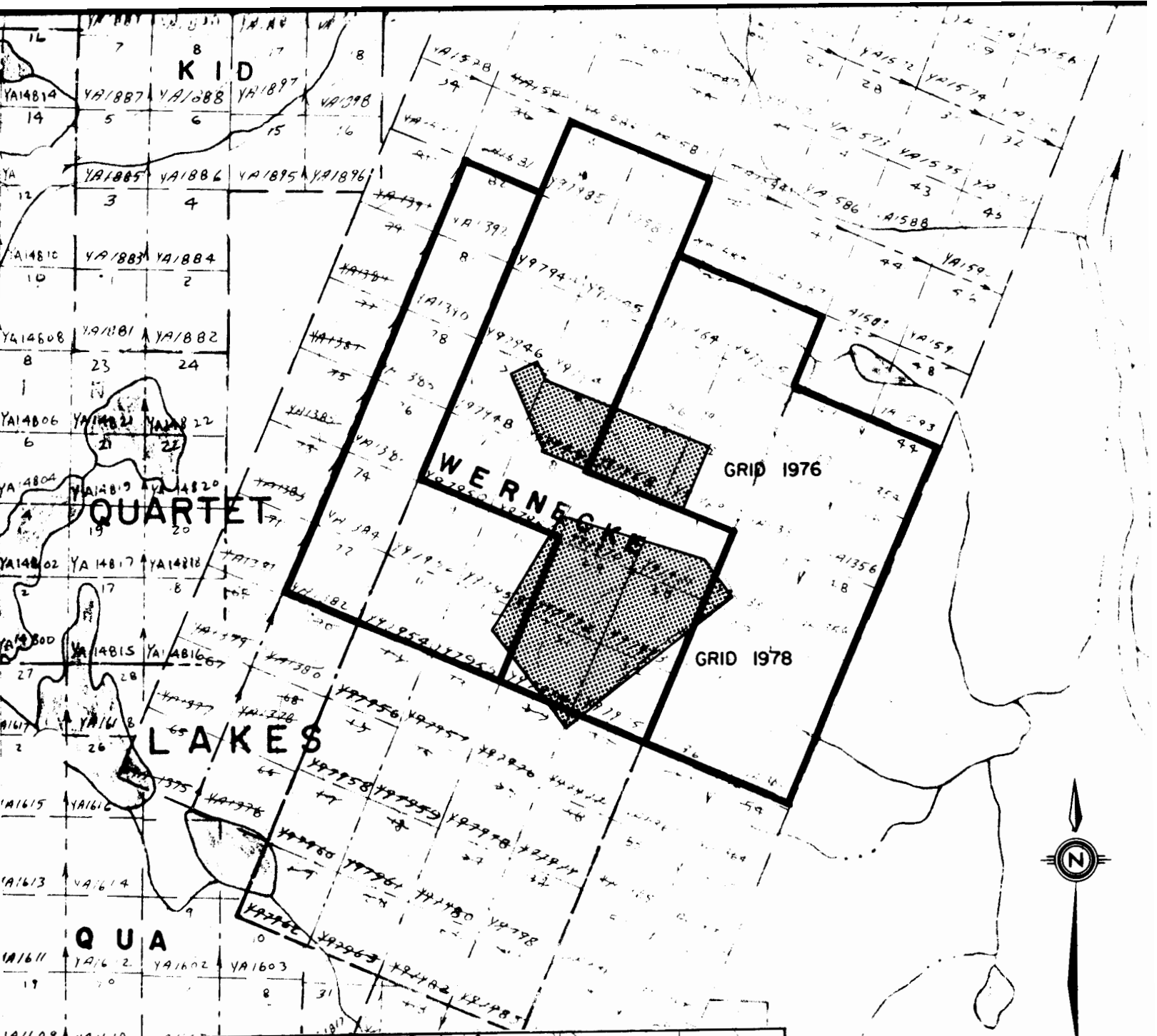


Fig. W1
 ARCHER, CATHRO & ASSOCIATES LTD
**GRID LOCATION
 AND
 GROUPING PLAN
 WERNECKE CLAIMS**
 IO6 E/1
 1/2 Mile = 1 Inch

The property is located at latitude 65°07'N and longitude 134°23'W on NTS claim sheet 106E/1, 110 airmiles northeast of Mayo. Access was by helicopter from the base camp at Kiwi Lake, ten miles to the northwest. Kiwi Lake may be reached by float equipped fixed wing aircraft from a charter base at Mayo.

AIRBORNE RADIOMETRIC SURVEY

Instrumentation

The claims were surveyed by an airborne differential spectrometer, an instrument capable of separately distinguishing uranium, thorium and potassium rich areas. The airborne system consisted of a Gould (Brush) 222 two-channel and a Hewlett-Packard 7155A single-channel strip-chart recorder, both driven by signals from a Scintrex GAD-4 spectrometer-analyser using a Scintrex GSA-61 1853 cc thallium-activated, sodium iodide crystal as sensor. The crystal was mounted in a removable plywood box that was tied to the outside cargo rack of the helicopter. The analyser and recorders were placed inside the cabin and were connected to the sensor by cable. An auxiliary power outlet in the helicopter supplied ships power (28v) to all instruments.

The three graphs recorded continuous, one-second integration counts for total radioactivity, uranium and thorium. Some flight lines were re flown recording total count, uranium and potassium. The total count and uranium count were recorded simultaneously on the Gould instrument while the thorium count was charted on the Hewlett-Packard recorder. Both instruments produced graphs at a linear speed of 10 cm/min. The charts were usually set for widths of 0 to 2500 counts per second (cps) for total count, 0 to 50 cps for uranium and 0 to 40 cps for thorium.

Each chart was calibrated daily using specimens of thorium and uranium so that the graph value exactly matched the absolute value as shown on the spectrometer dial. The

spectrometer was calibrated for maximum sensitivity on the designated thorium peak.

Flight Procedure

The survey was flown at a nominal height of 50 m but varied from 25 to 75 m depending upon terrain irregularity. Survey lines were flown at constant altitude (contours) at 250 foot contour intervals. Helicopter speed is not considered critical and no attempt was made to correlate chart speed with traverse length. Generally, 50 to 90 km/hour was a practical and safe survey speed. Topographical and geological maps (1:250,000 scale) were used for both detailed and reconnaissance navigation and plotting.

Data Organization

The operator plotted flight paths on the orthophoto map as the traverse progressed, noting pertinent navigational, geographical and surface exposure data on the strip charts. Correlation between mapped flight lines and the chart was achieved by numbered fiducials and handwritten notes on the charts.

RESULTS

Appendix I is a complete copy of the strip chart records. Sequential numbers (fiducials) along these charts refer to positions along the flight lines plotted on Figures W3 and W6 in the pockets. Chart anomalies are defined as where there are values 20% higher than the local background. These anomalies are shown on the charts in Appendix I and on Figures W3 to W6.

Both total count and uranium surveys show good correlation to each other and with two areas of known mineralization (ground surveyed in 1976 and 1978 as shown on Figure W1 following page 1). The remaining anomalies require ground examination.

Thorium has no specific pattern and is not apparently useful for uranium search in this area. Potassium shows anomalous response in areas of potassic alteration in and

around the diatreme breccias and may have limited use in prospecting for areas of unmapped breccias.

GROUND RADIOMETRIC SURVEY AND PROSPECTING

The airborne survey indicated an area of uranium interest along the east side of the mountain summit (see Figure W4). Mineralized float had been found here during a previous prospecting traverse. A control grid was laid out by establishing a picketed baseline with 50 m centers and running crosslines with hipchain and compass with slope correction. Radiometric readings were taken every 50 m and the intervening ground was prospected. Each station was picketed (see Figure W2). All readings were taken with Scintrex BGS-1S broadband scintillometers, equipped with 12.75 cc NaI (Tl) crystals. The readings from each instrument were found to be roughly correlative.

A number of radioactive zones were found and mapped. These were mainly caused by erratic occurrences of brannerite mineralization within unit Hspa, an altered chloritic metasediment within the thermal aureole of nearby diatreme breccia zones. At three occurrences, 2+00S/9+00E; 2+00N/4+50E; and approximately 1+00N/0+50E, radiation was found within specific horizons of the altered metasediments. These may represent a primary uranium source and deserve more detailed study.

The claim block is underlain by Helikian (?) argillic sediments with minor carbonate members. These rocks are altered and metamorphosed to varying degrees due to emplacement of an extensive diatreme-like breccia. The breccia zones lie around the perimeters of a central core of metasediments.

CONCLUSIONS

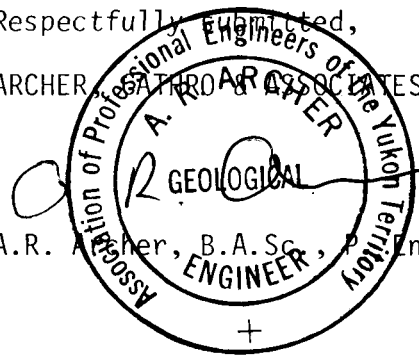
Airborne radiometric anomalies lying off the 1976 and 1978 grids were not inspected and require prospecting and sampling.

Apparently stratabound mineralization requires more examination, particularly the occurrence at 1+00N/0+50E which lies off the 1978 grid and which may extend to the west and north.

Respectfully submitted,
ARCHER, BATHURST & ASSOCIATES LTD.,

A. R. ARCHER
GEOLOGICAL
A.R. Archer, B.A.Sc., P. Eng.
ENGINEER

ARA:jm



APPENDIX ONE

	<u>Recorder</u>	<u>Date</u>	<u>Element</u>	<u>Range (cps)</u>
Tape One	Brush 222	June 4	Total Count Uranium	0-2500 0-50
Tape Two	Hewlett-Packard	June 4	Thorium	0-40
Tape Three	Brush 222	June 5	Total Count Uranium	0-2500 0-50
Tape Four	Hewlett-Packard	June 5	Thorium	0-40
Tape Five	Brush 222	June 26	Total Count Potassium	0-2500 0-100
Tape Six	Hewlett-Packard	June 26	Uranium	0-40

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

5907

OPERATOR C. MATY TRAVERSE 78609.03

TARGET WERNCKE CC. WY 106 E 1

CHART SPEED 0.5 6 cm/min 100 m. 1.0 sec

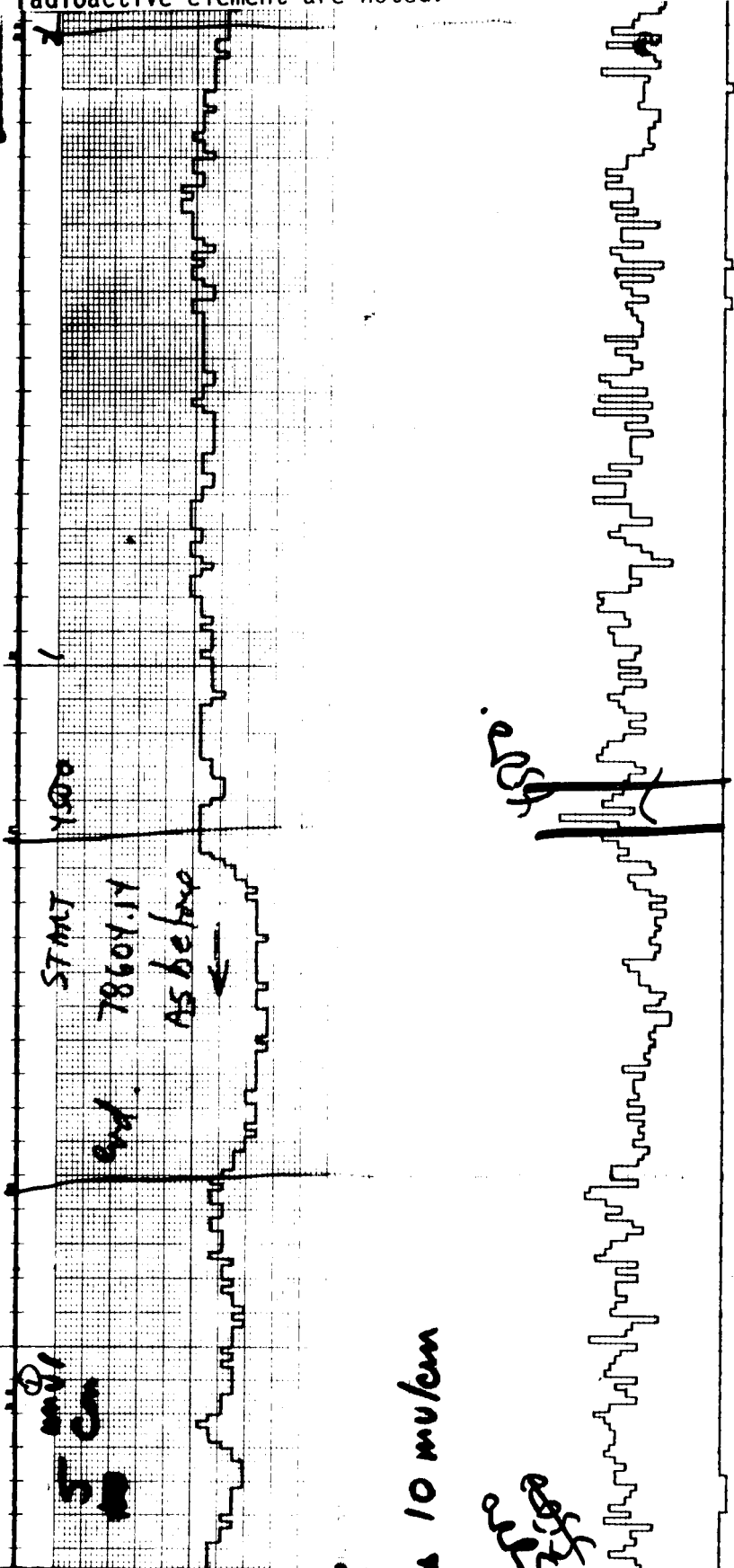
MODE Δ TIME CONST 1 SEC 3 SEC 10 SEC

TRACES: BLACK CHANNEL T.C. 0-2500 K

RED CHANNEL Uranium 0-50 K

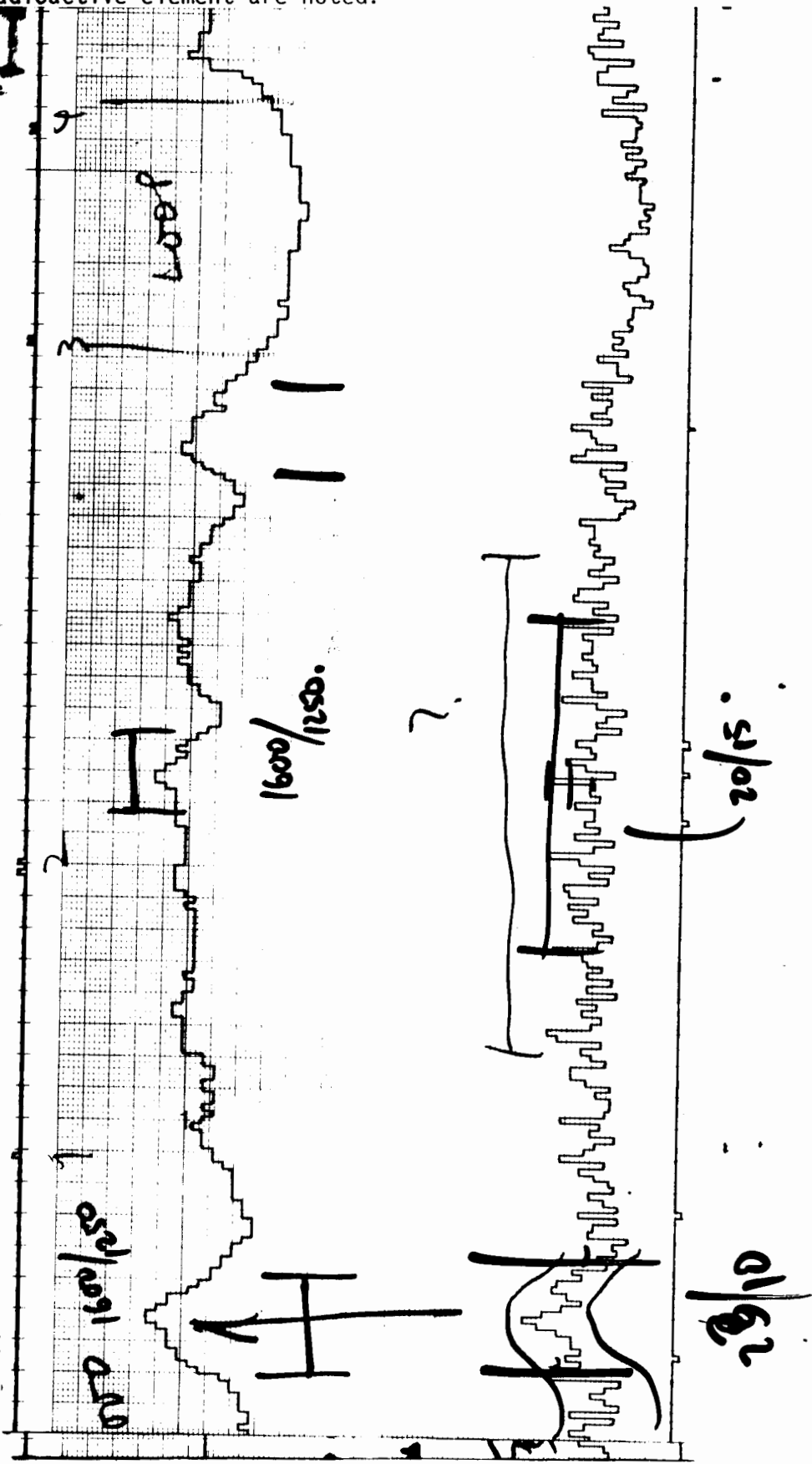
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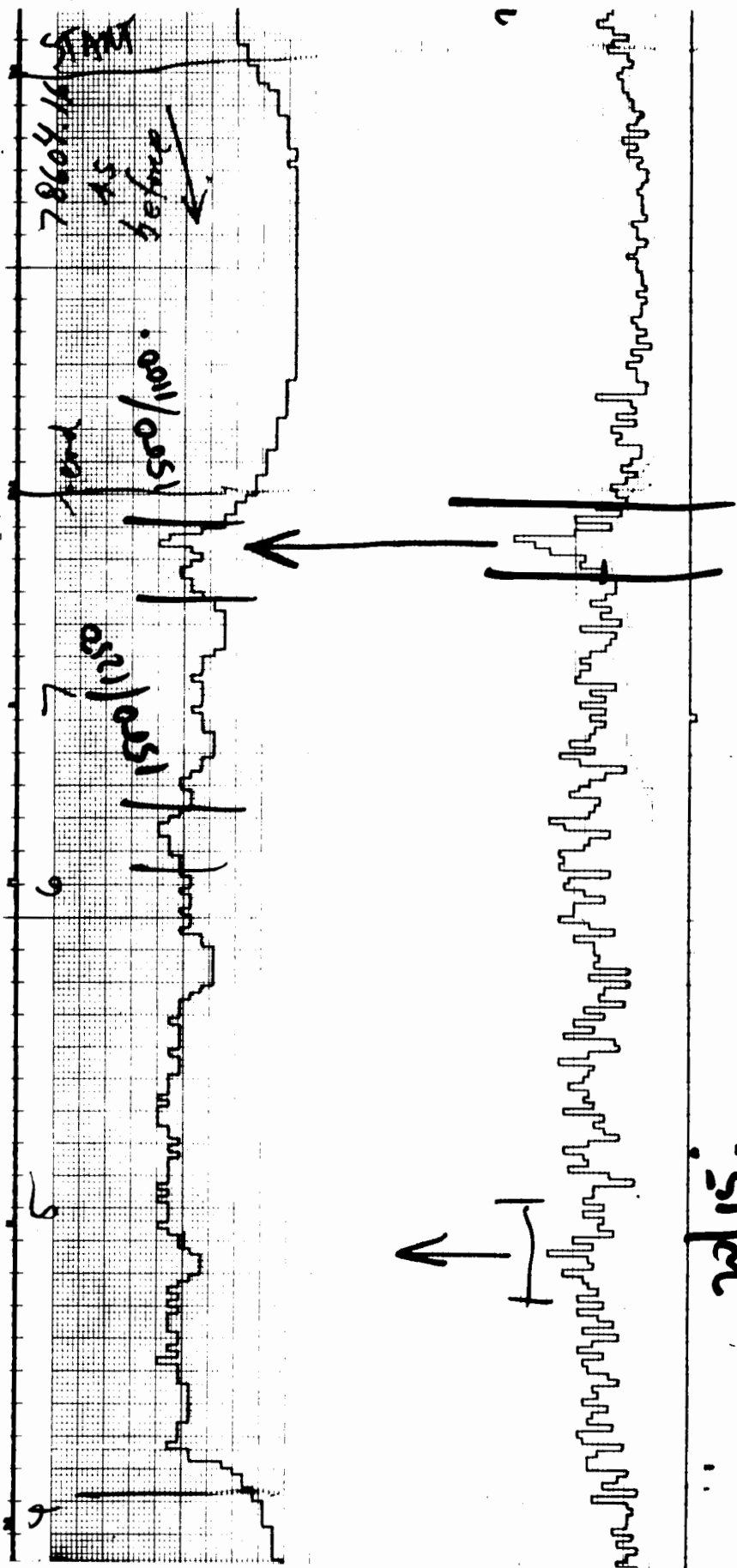


22/15

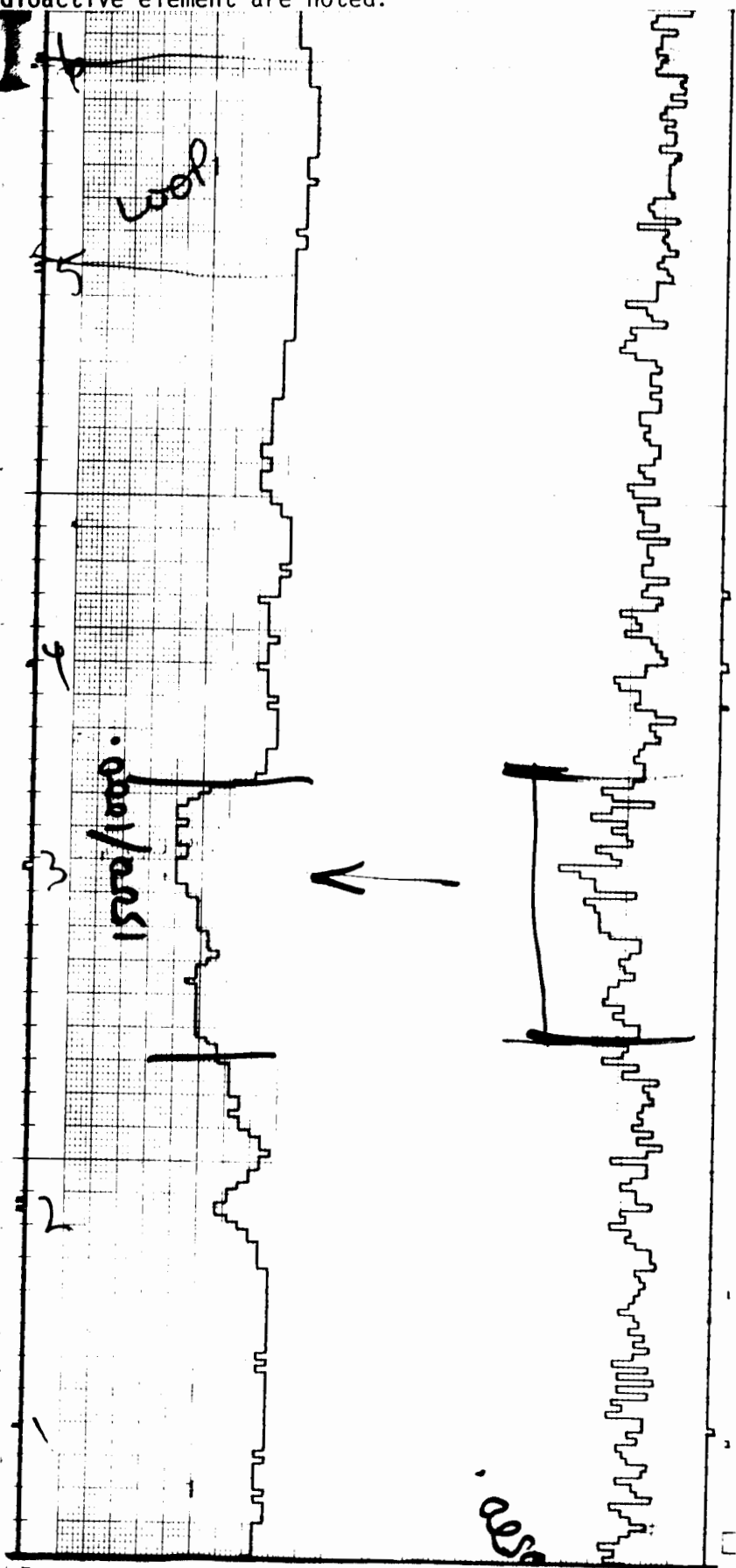
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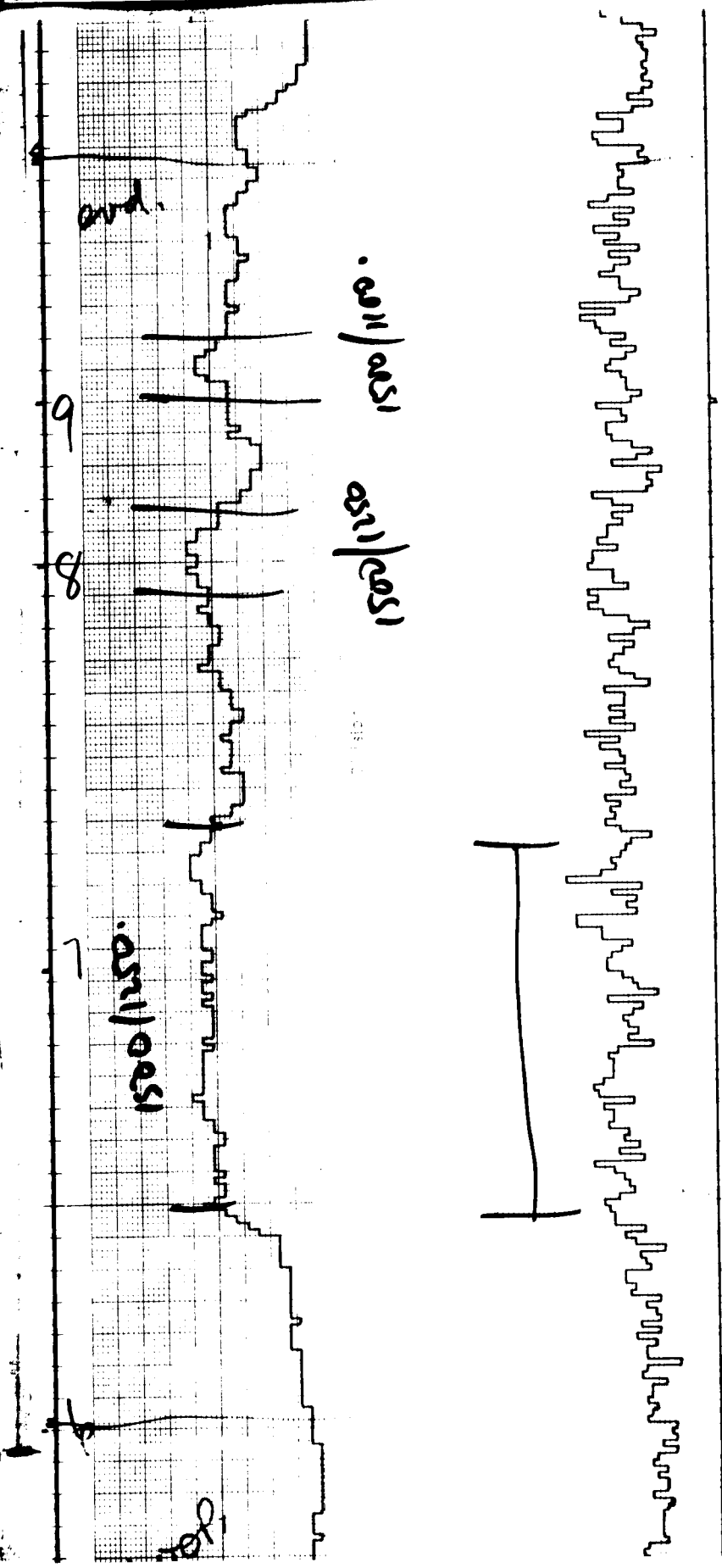
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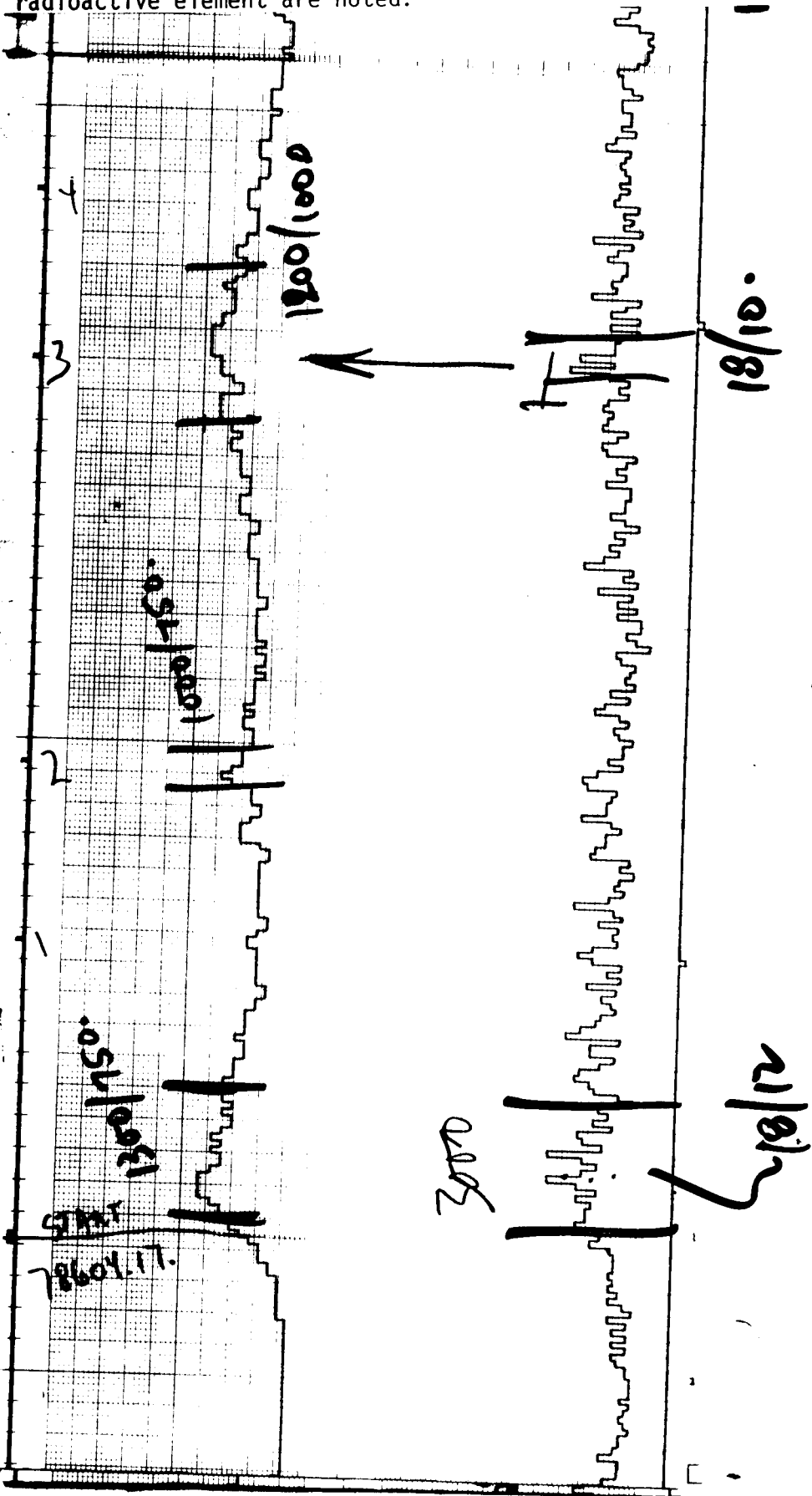


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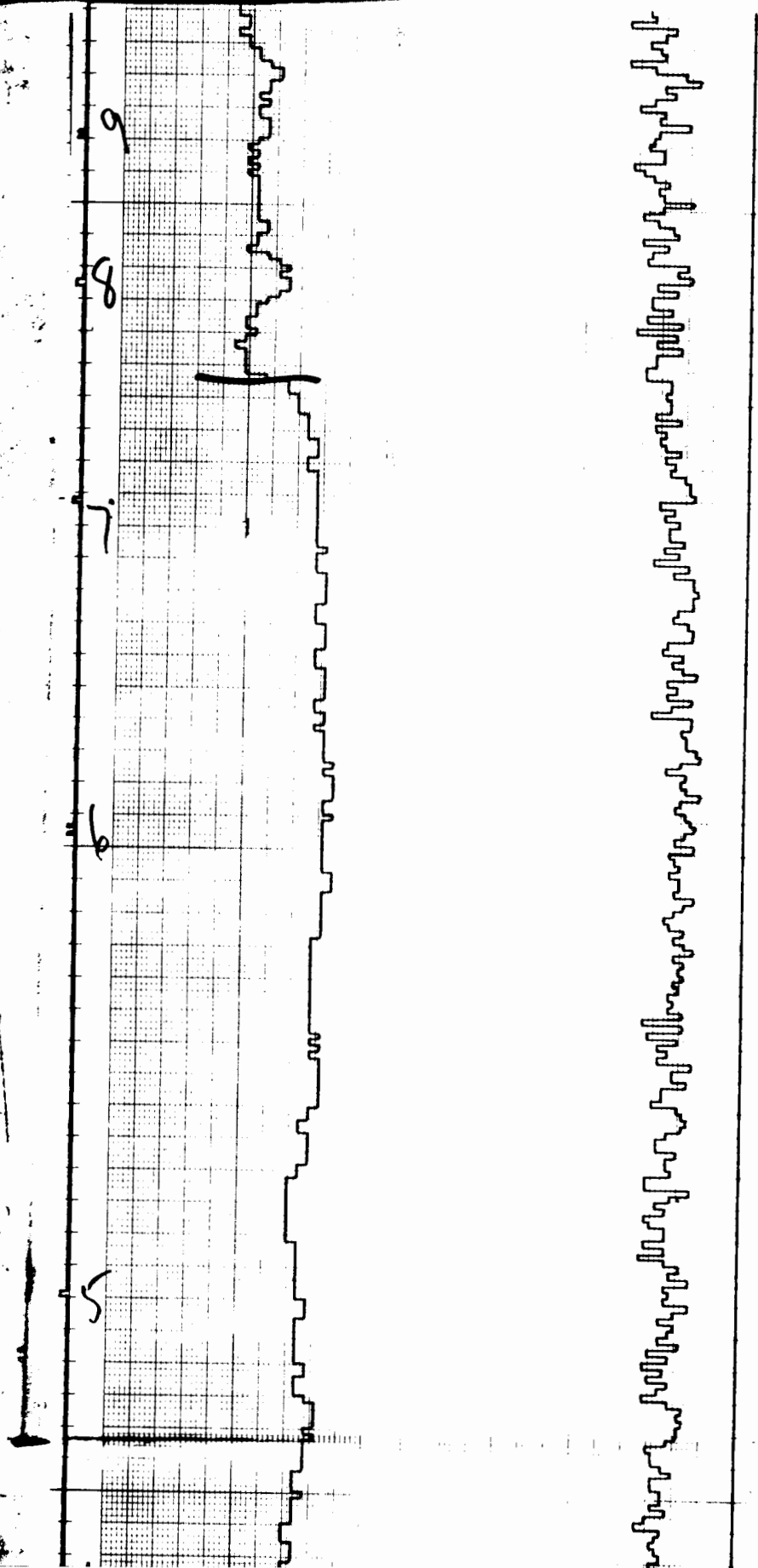


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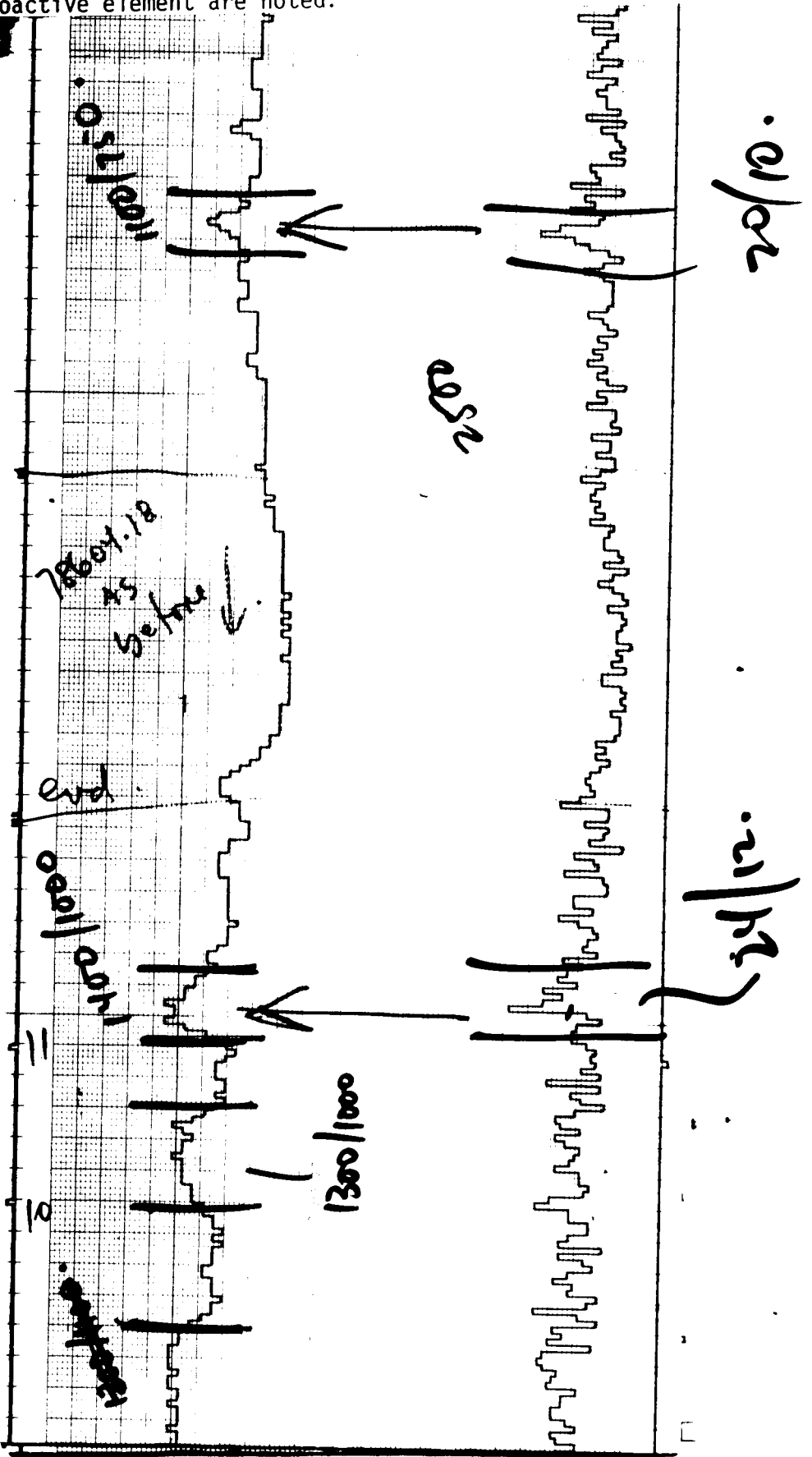
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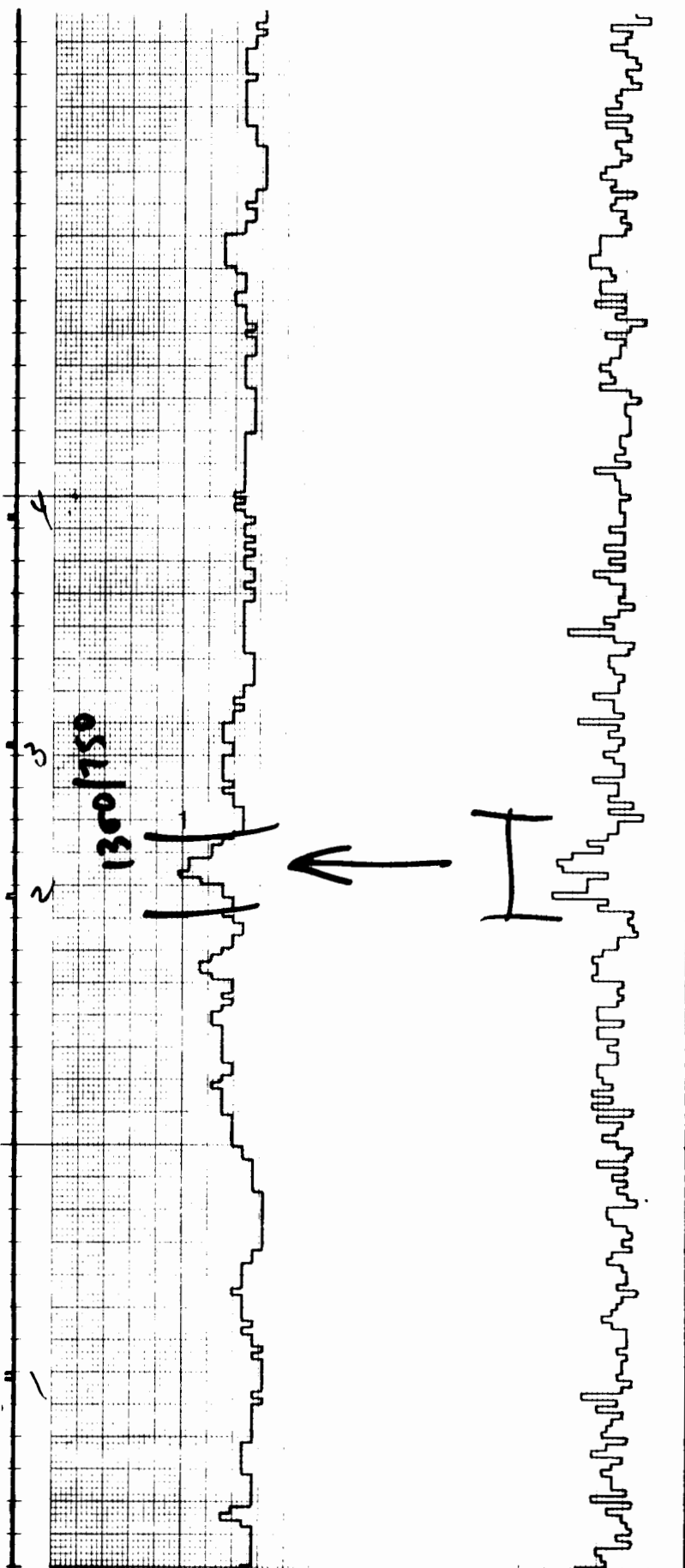
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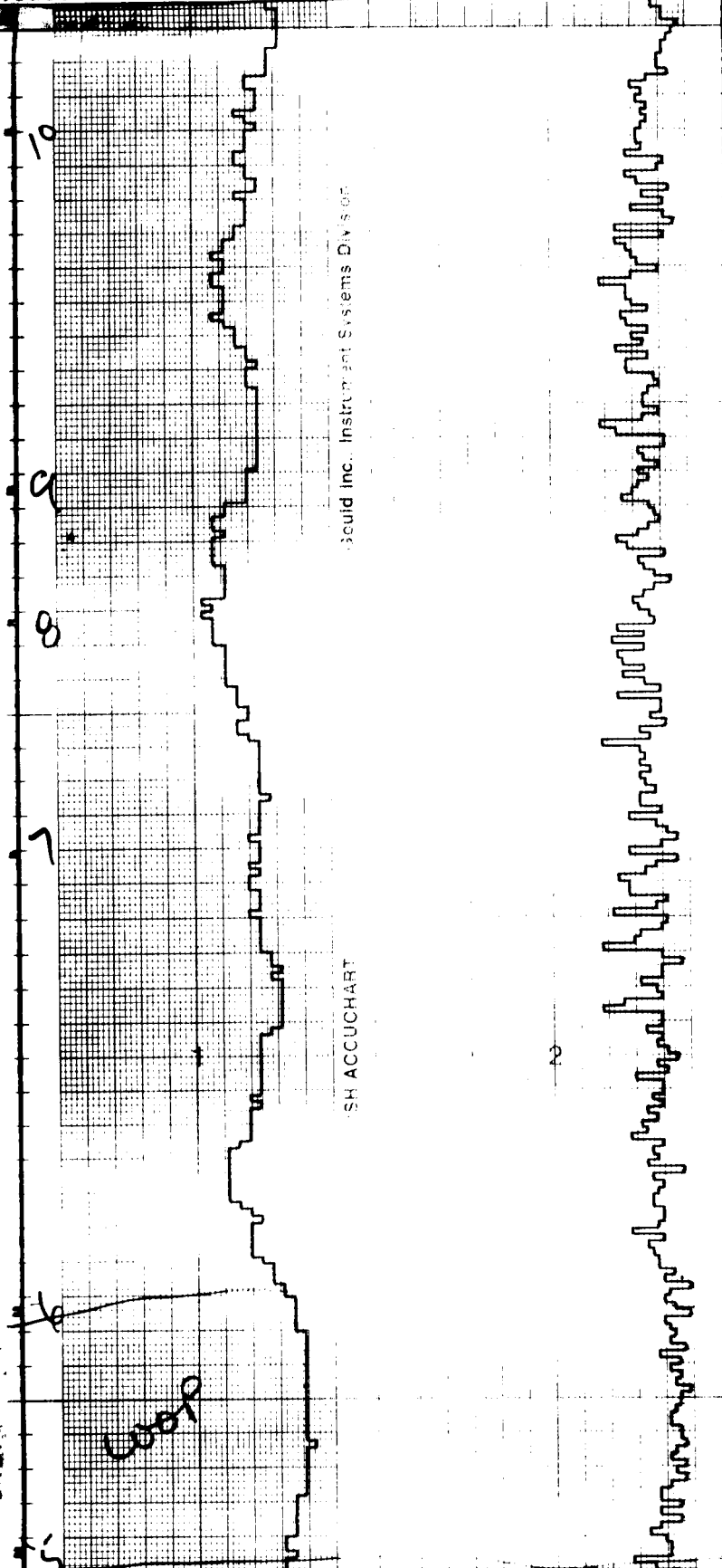


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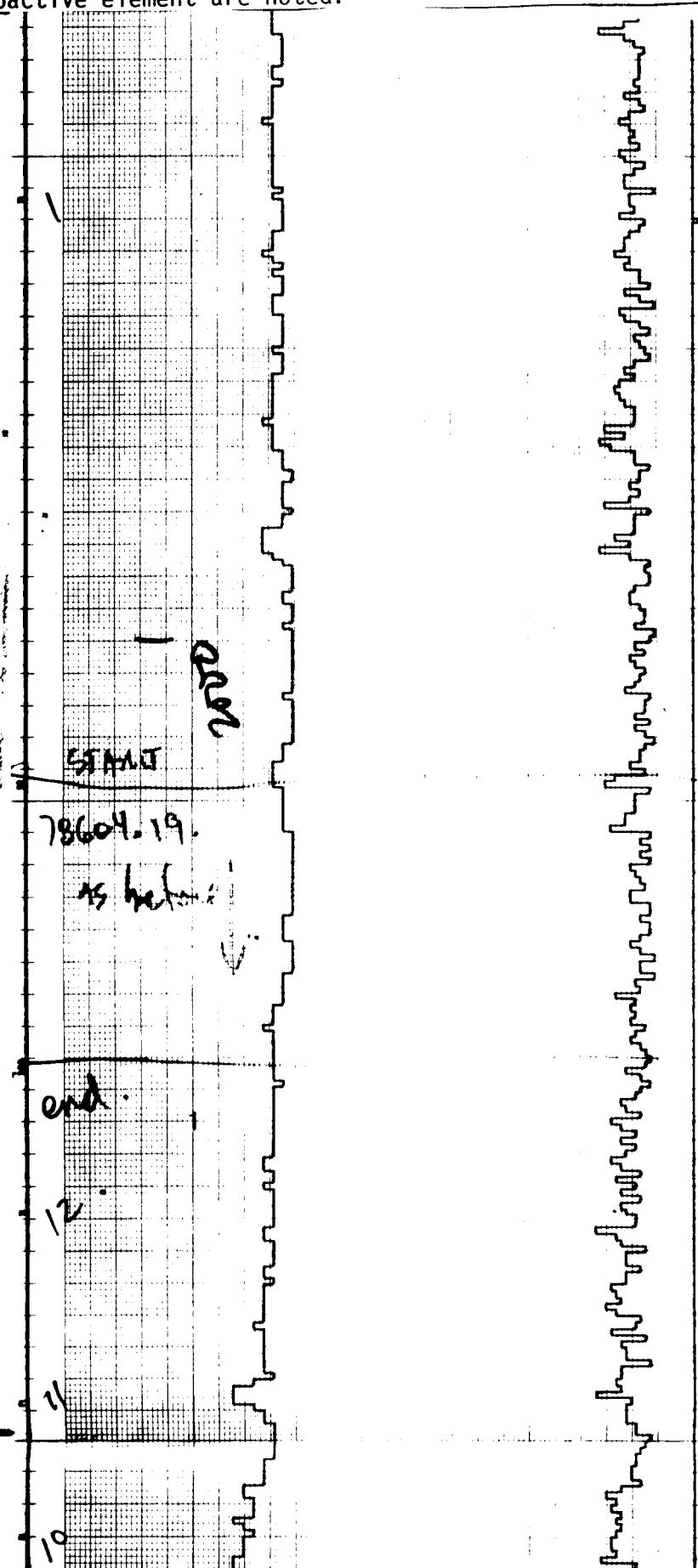
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Scud Inc. Instrument Systems Division

SH ACCUCHART

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as before

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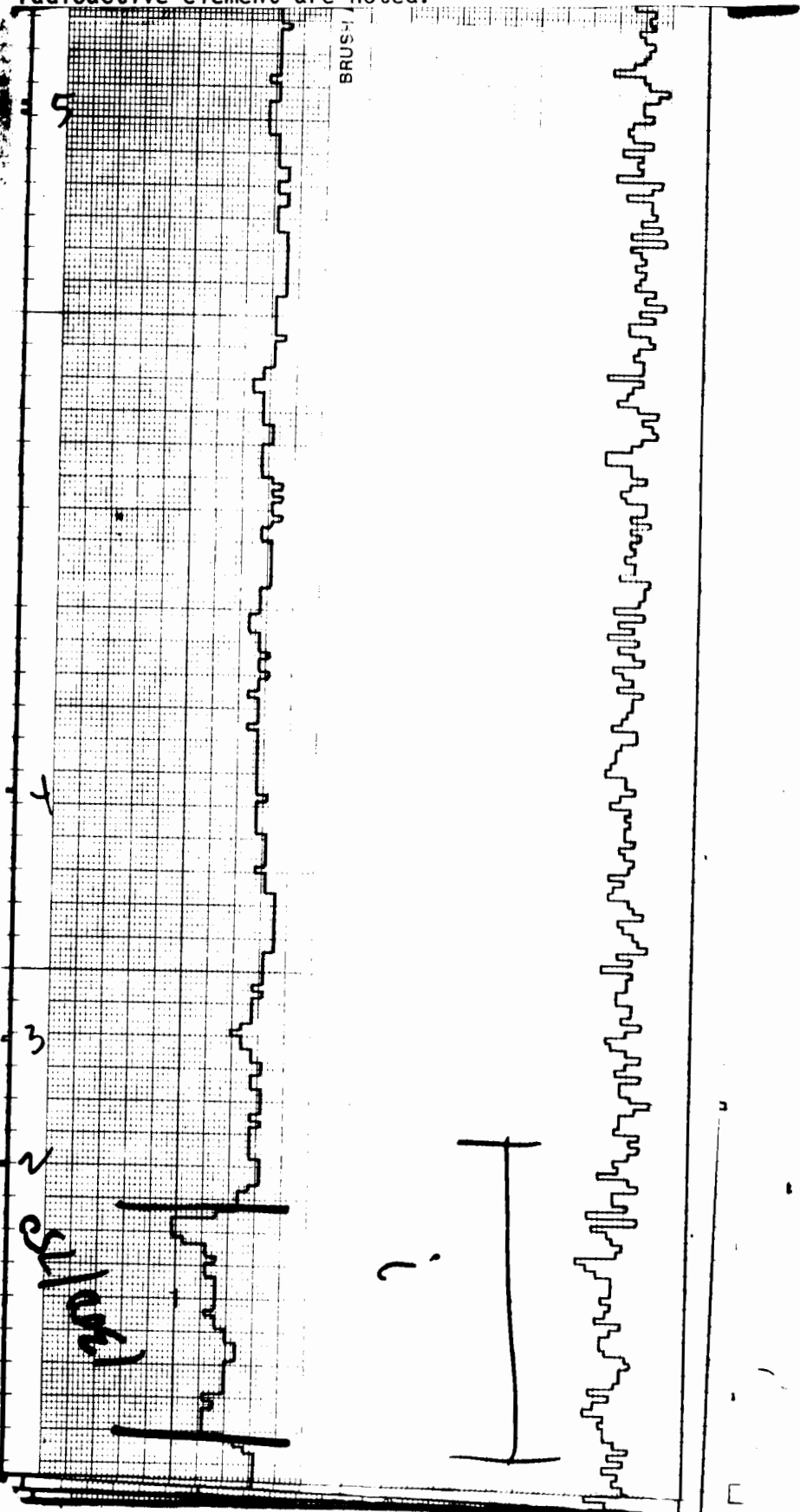
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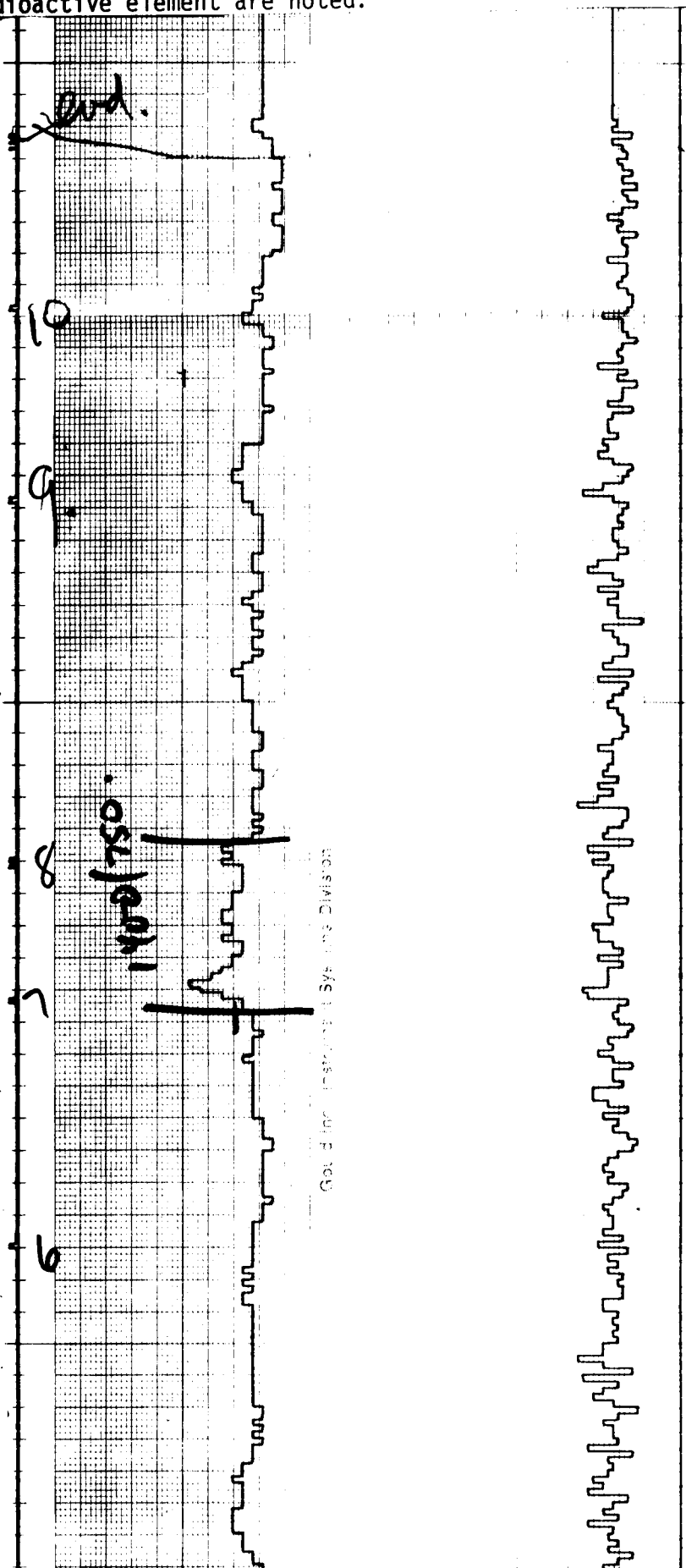
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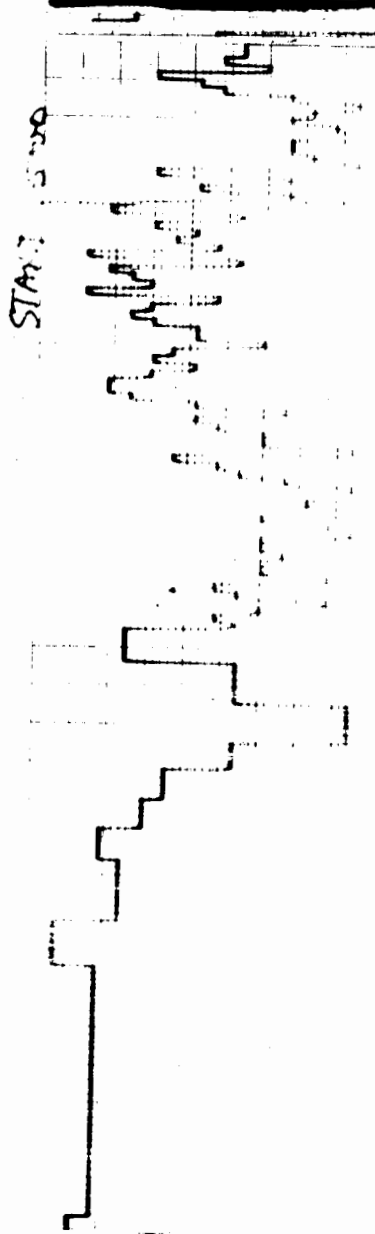
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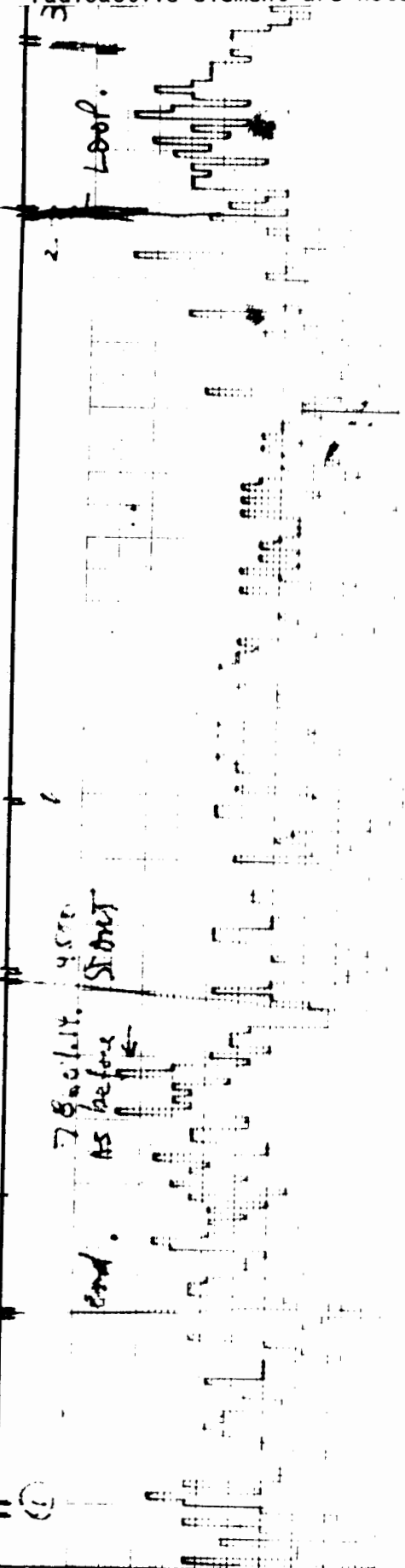
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ORIGIN C. MAIN TRAVERSE 7860Y.13
 TARGET weckweck CC MS 106E1
 CHART SPEED 6 cm/sec 20 mv/cm
 MODE ΔS TIME CONST 1 SEC 3 SEC 10 SEC
 TRACES: BLACK CHANNEL ThO RIVM RANGE 0-40 M
 1690 1680

TAPE TWO

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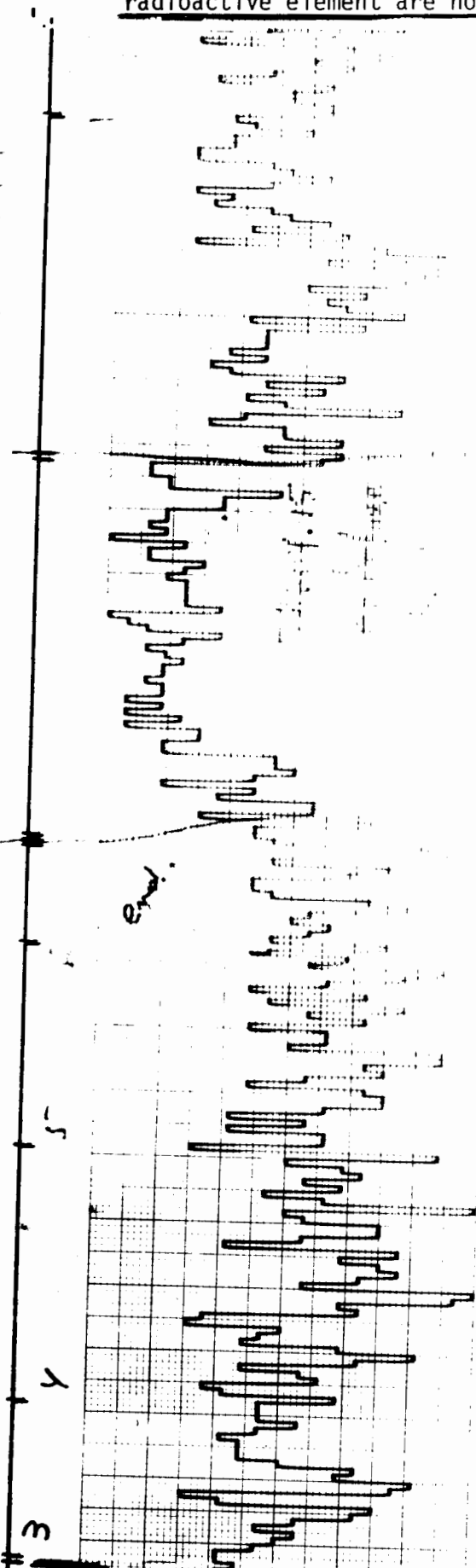
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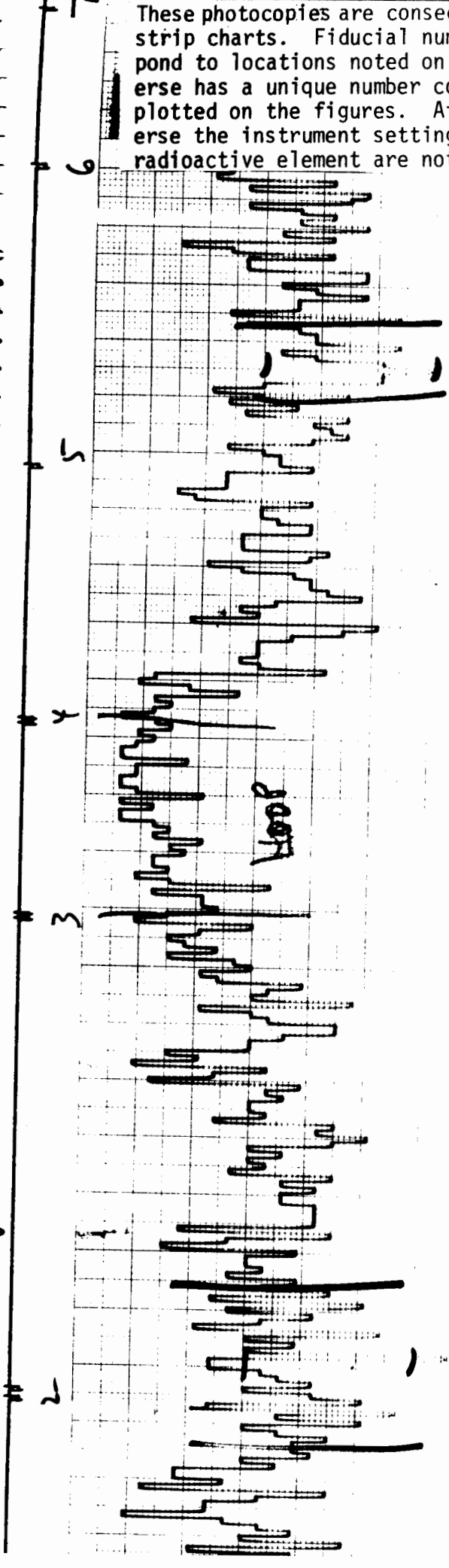
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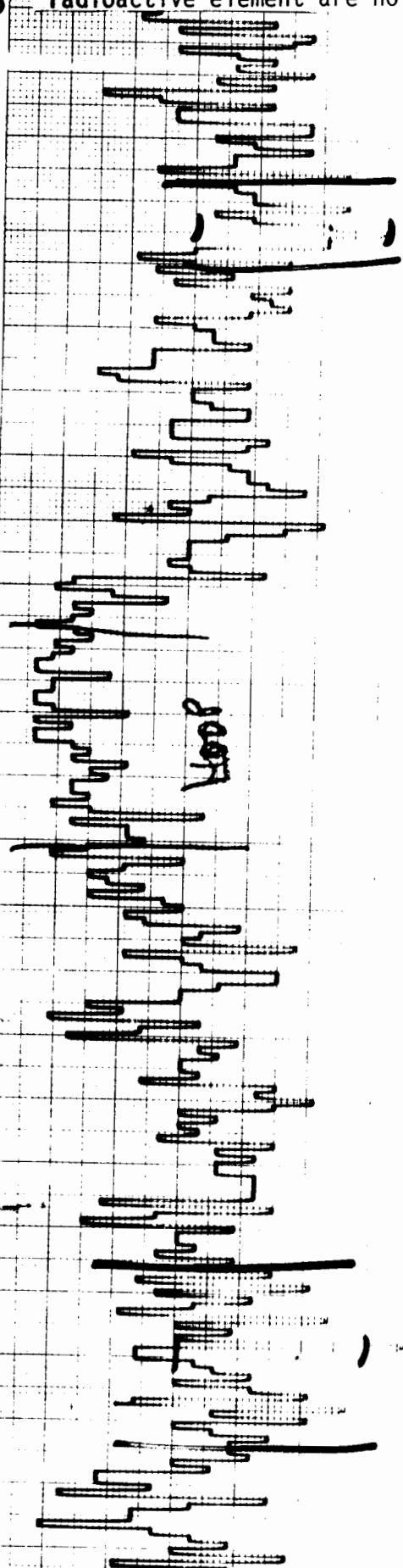
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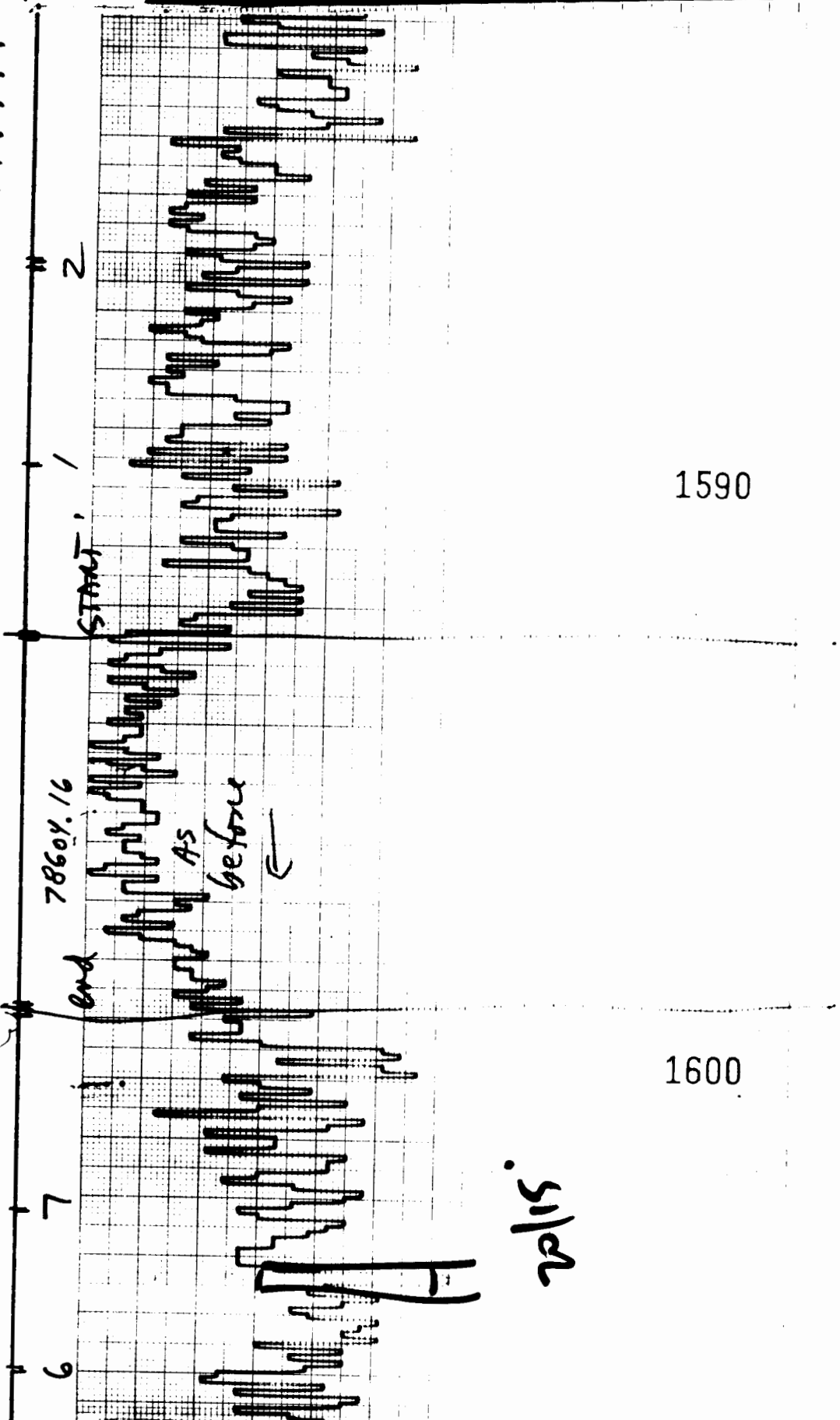
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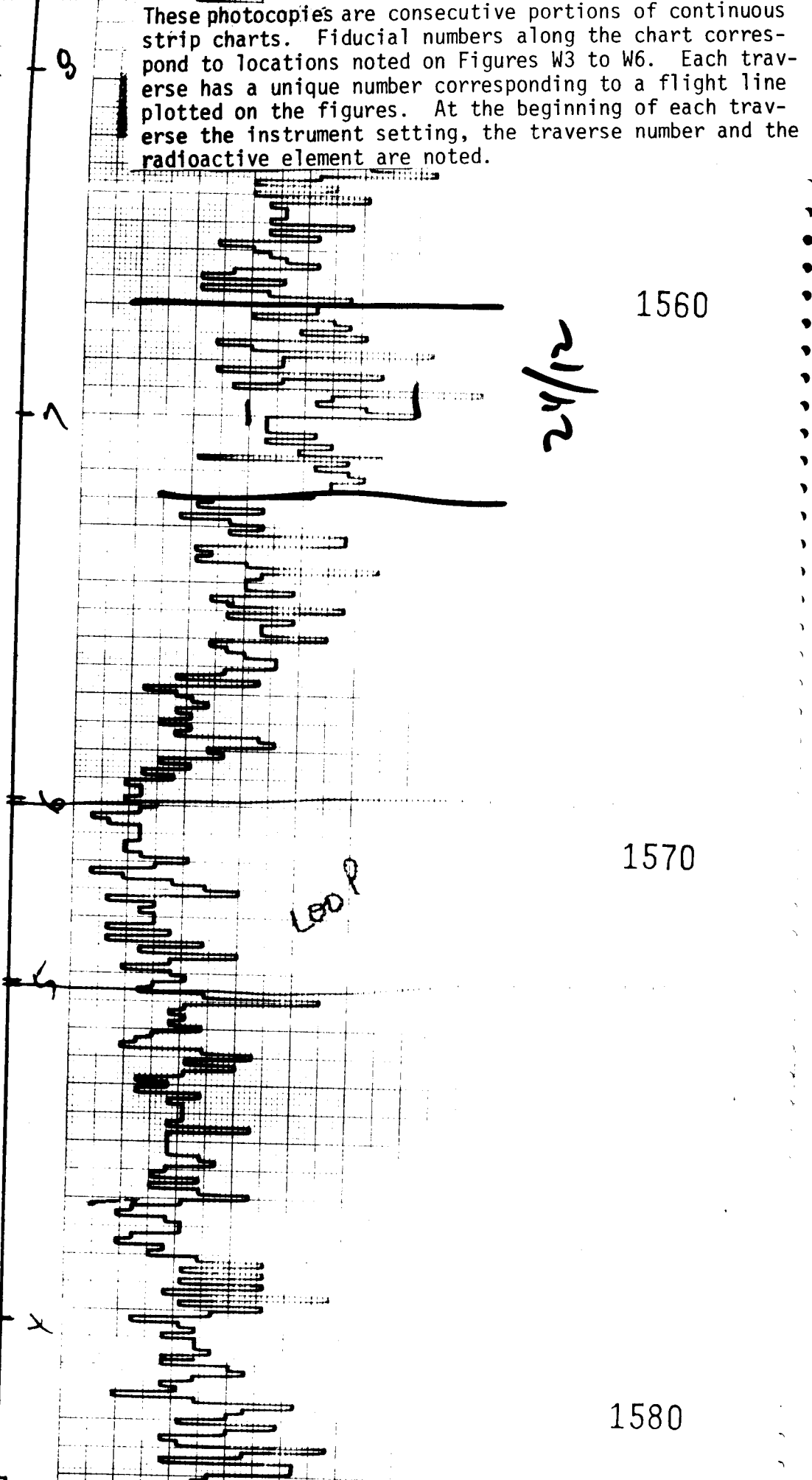


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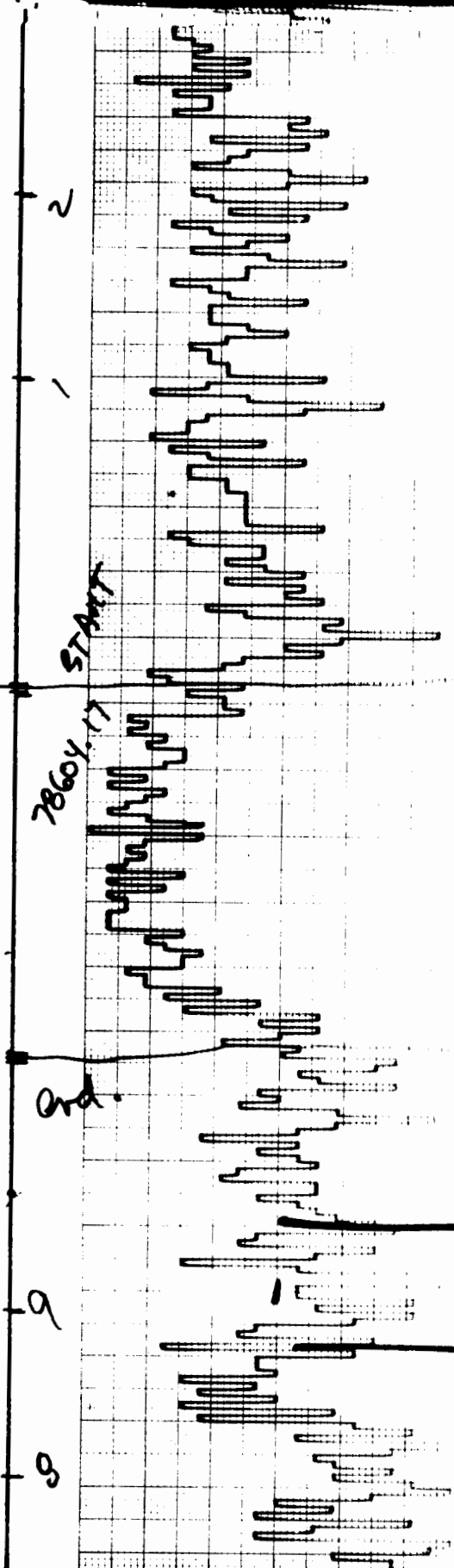
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LEOP

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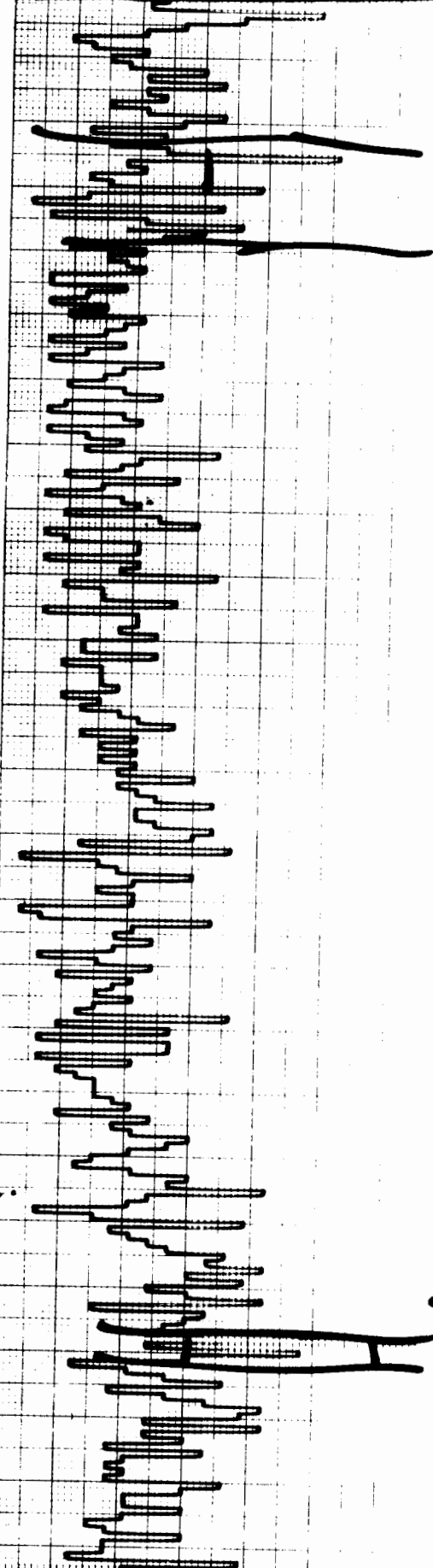
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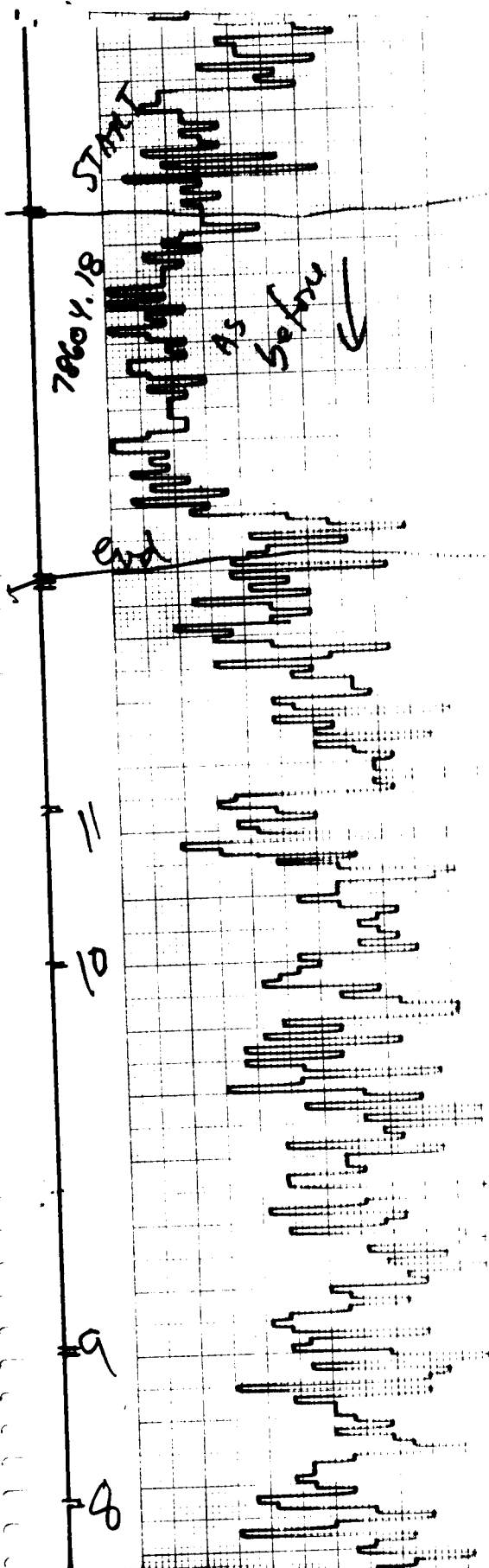
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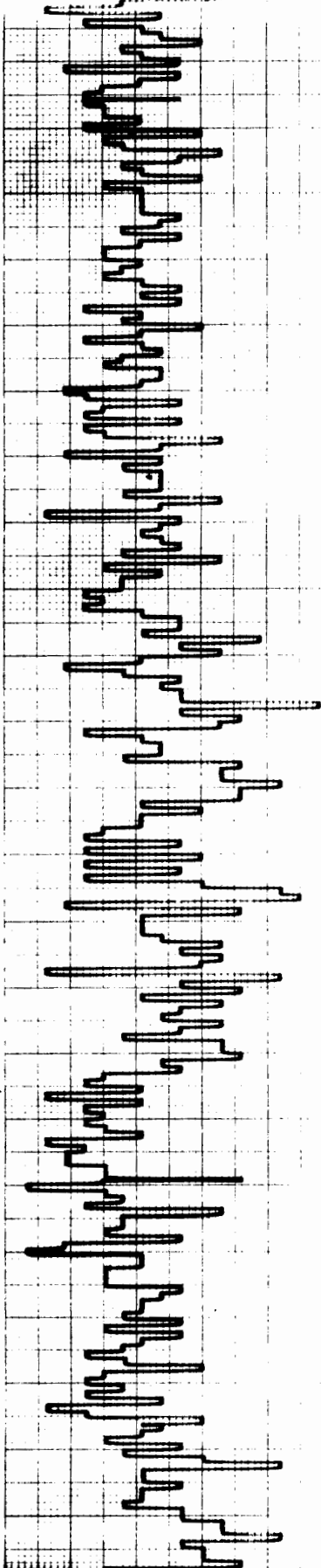


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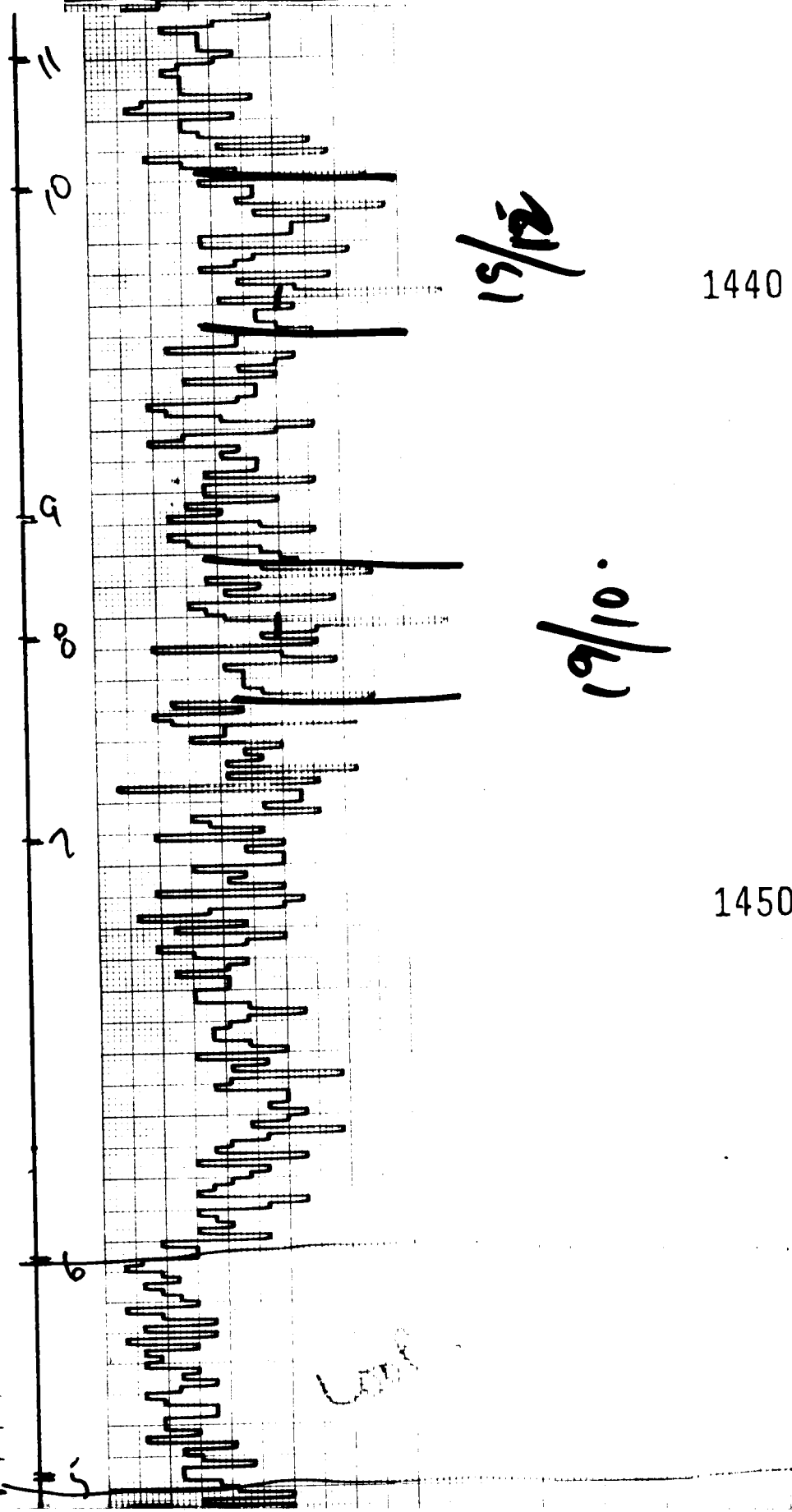
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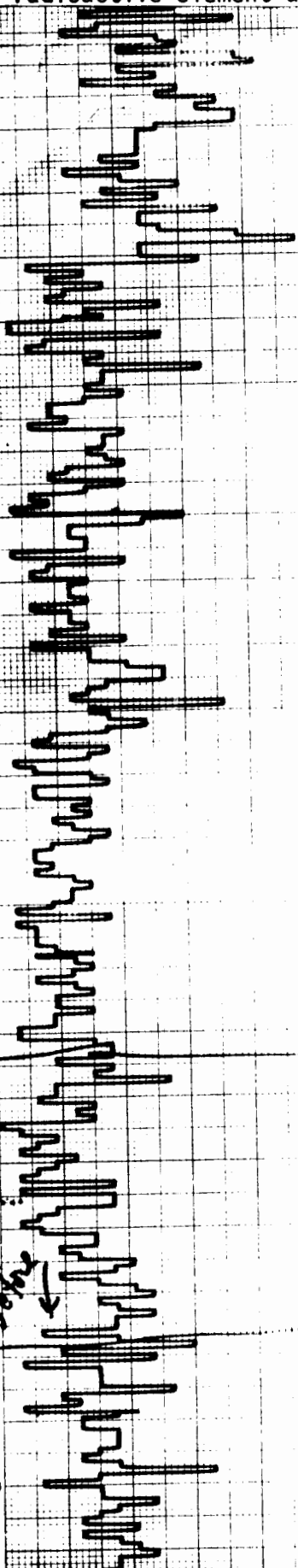
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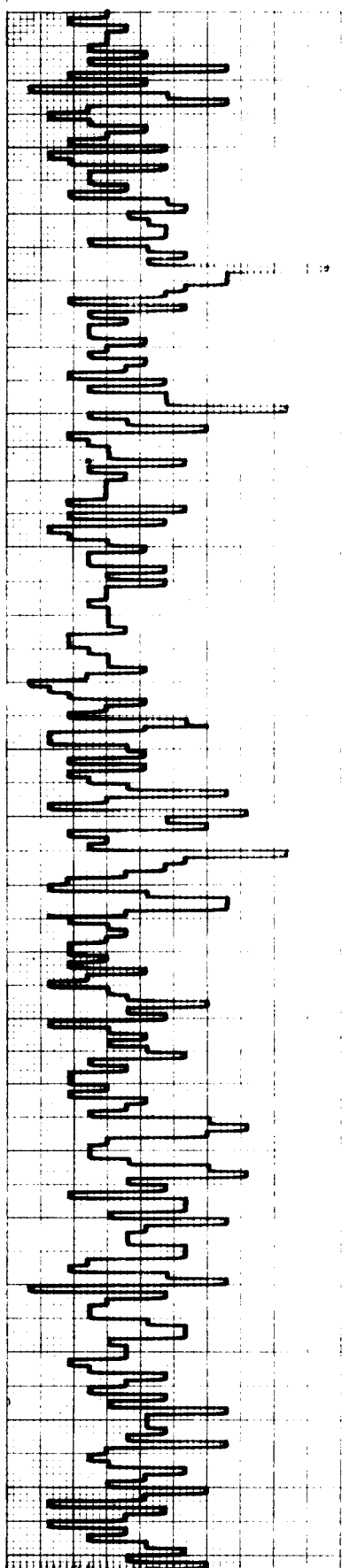
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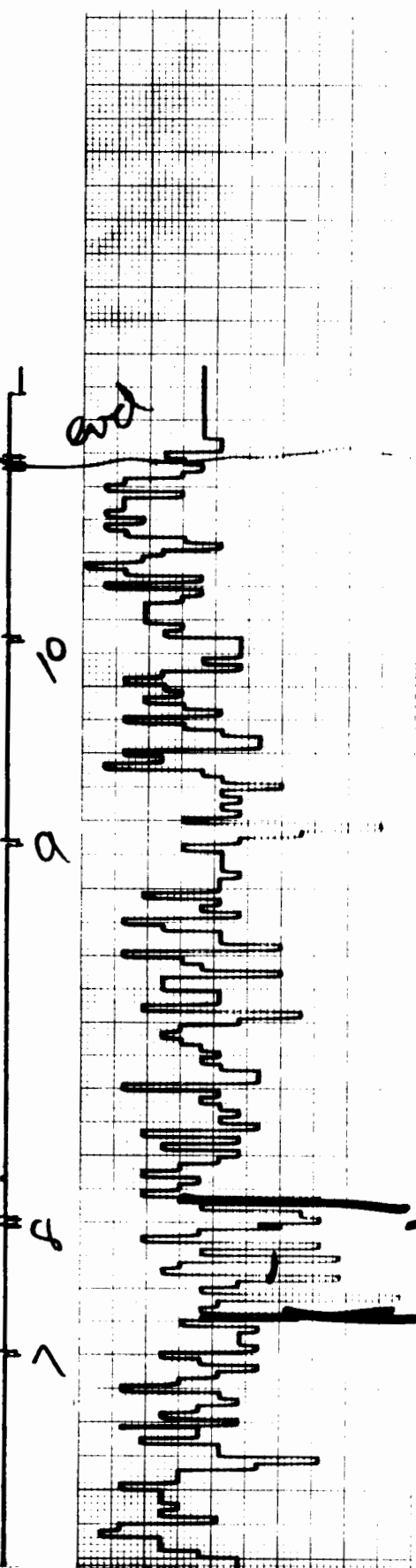
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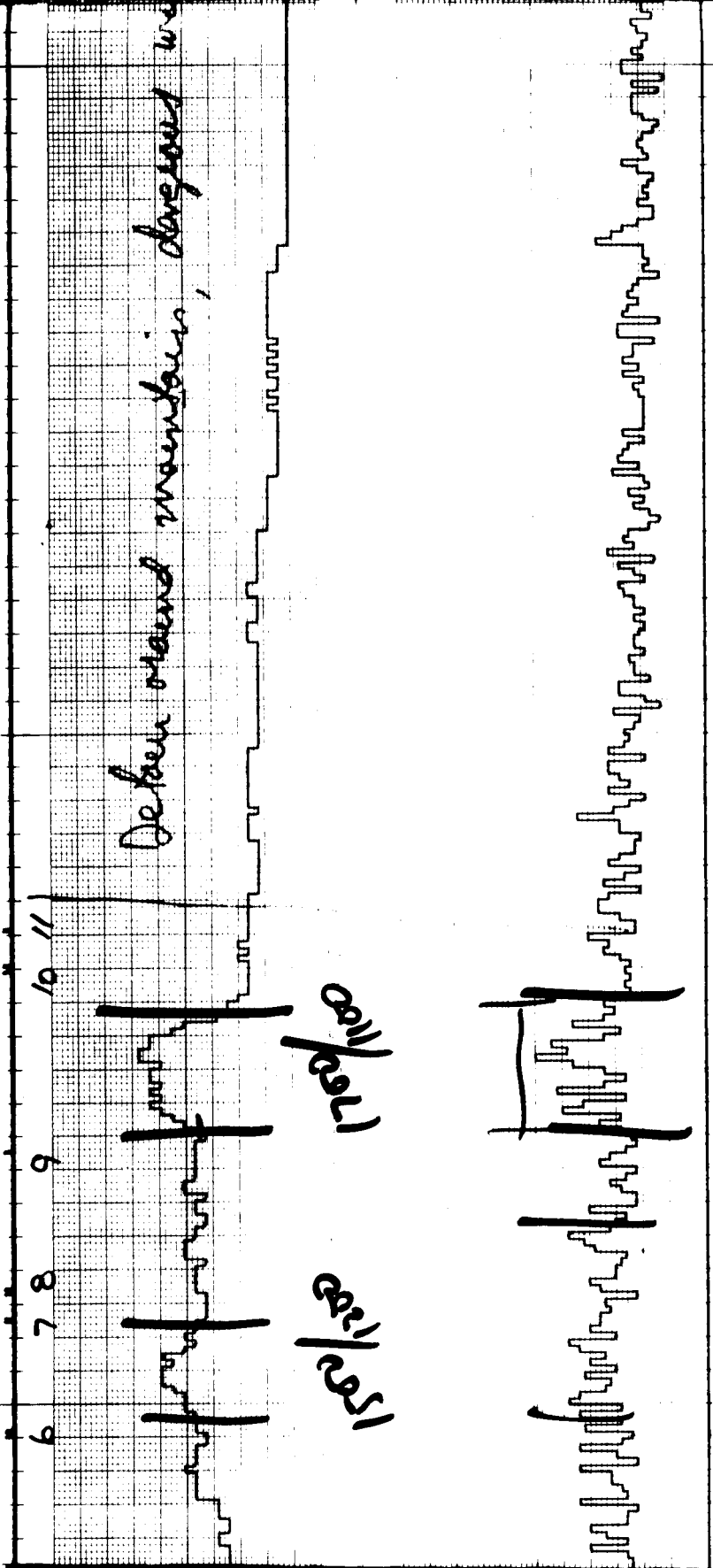


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1380

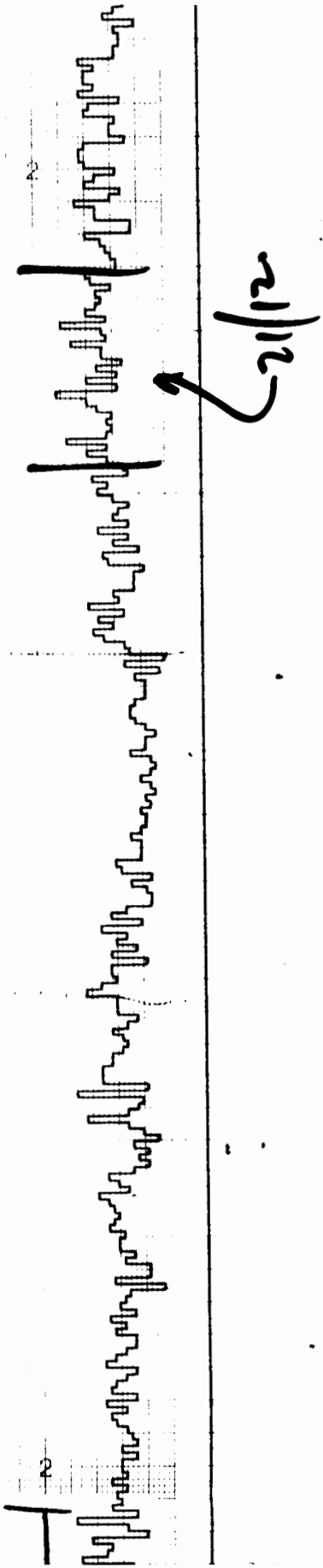
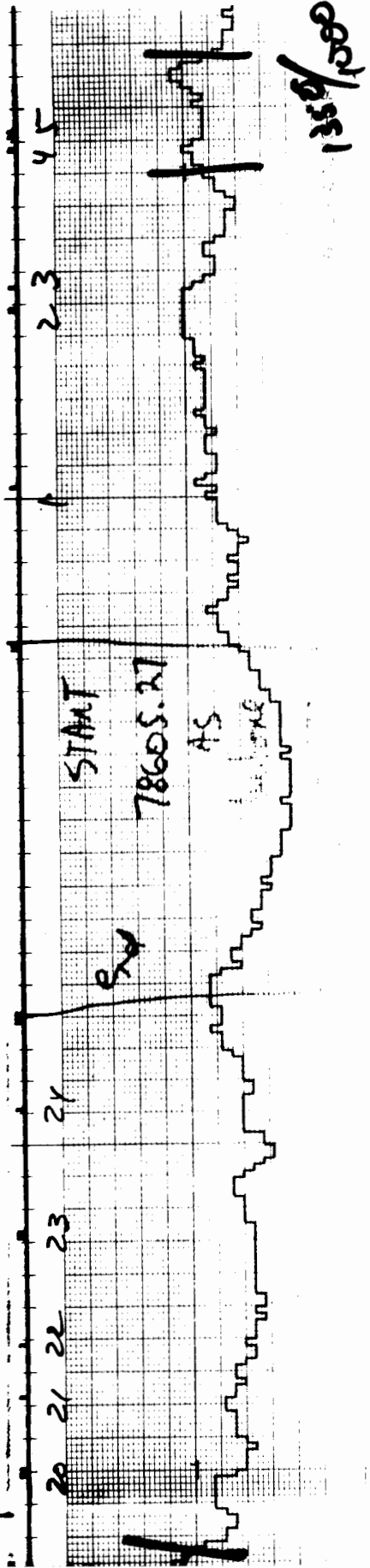
14/10.

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

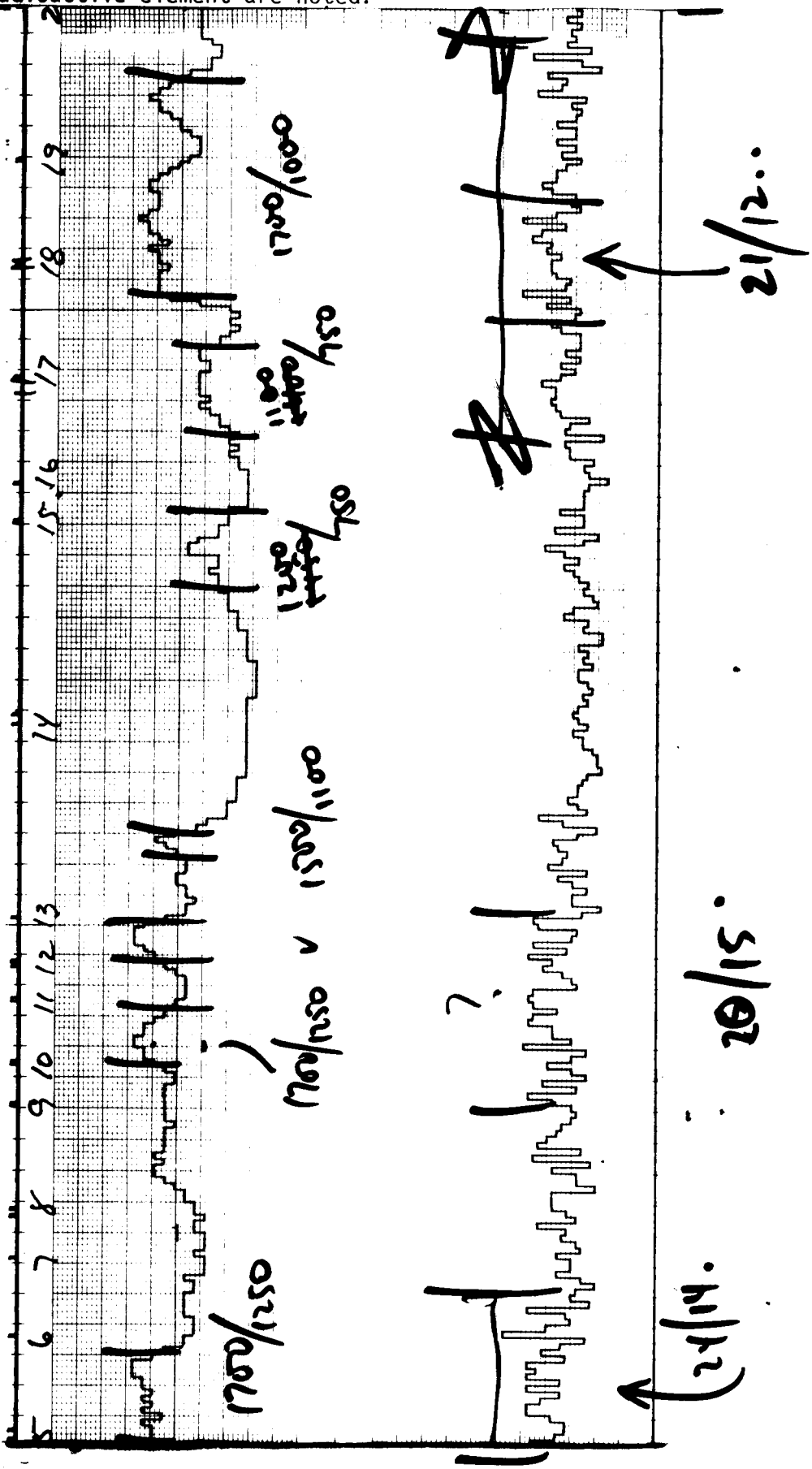


19/15 . 51/52

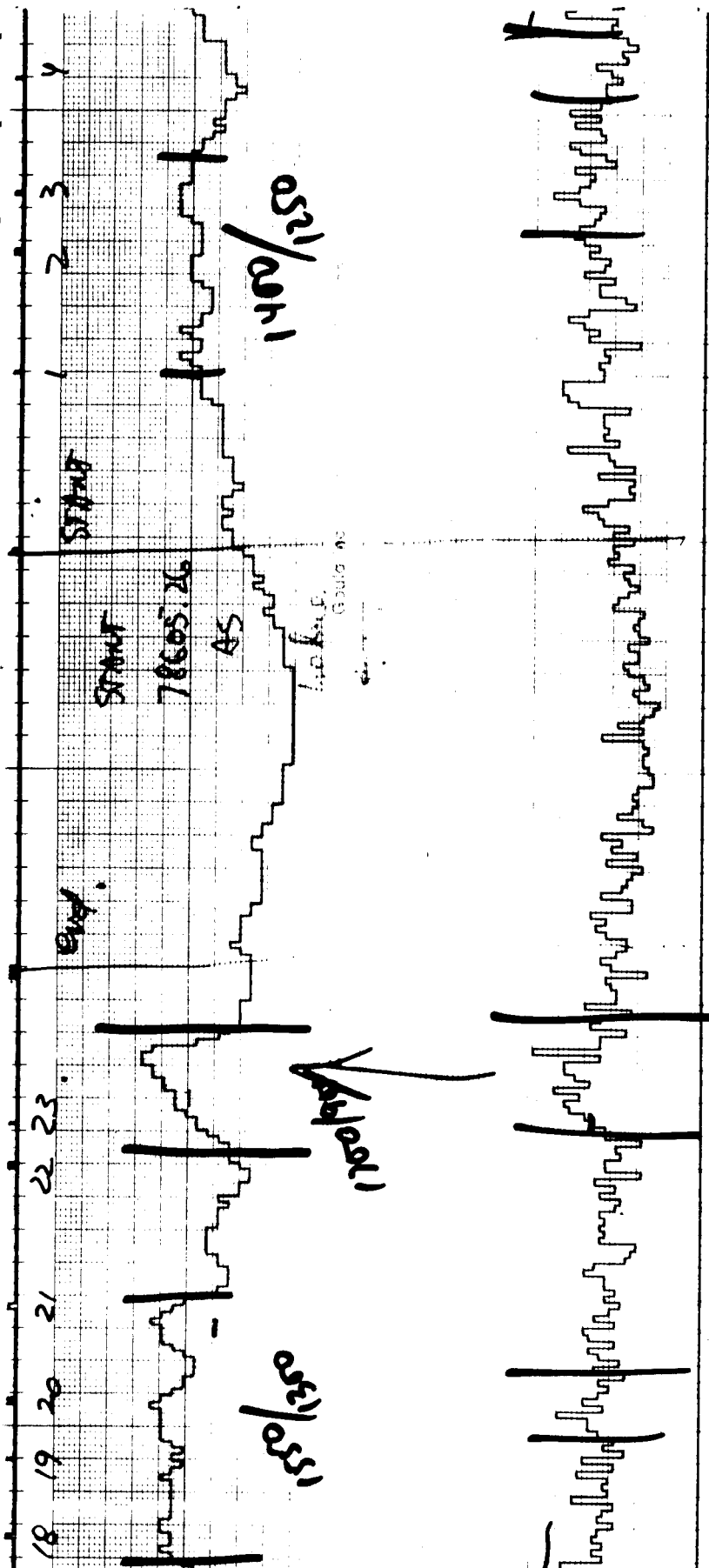
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



... ducta numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

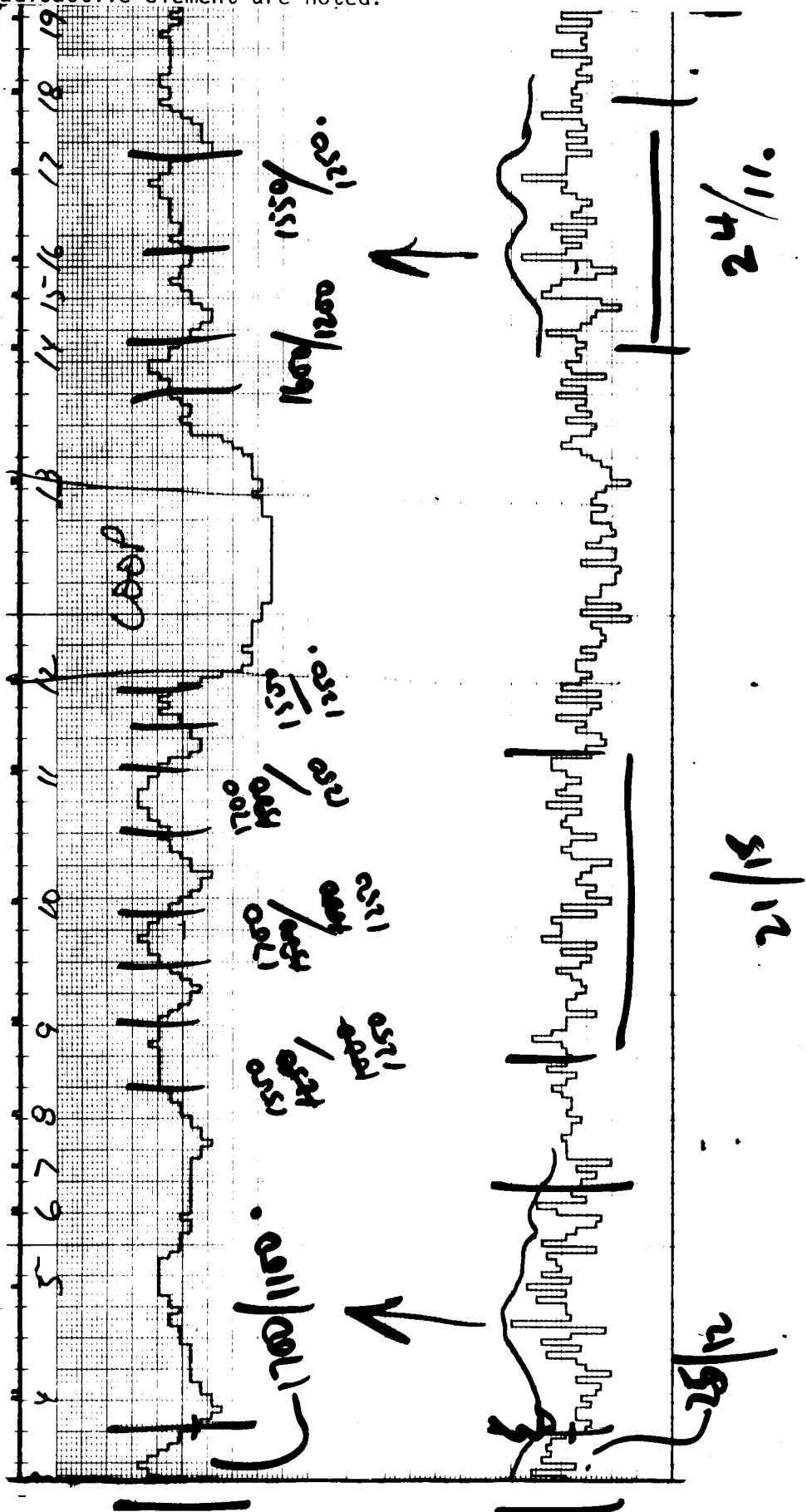


5/12

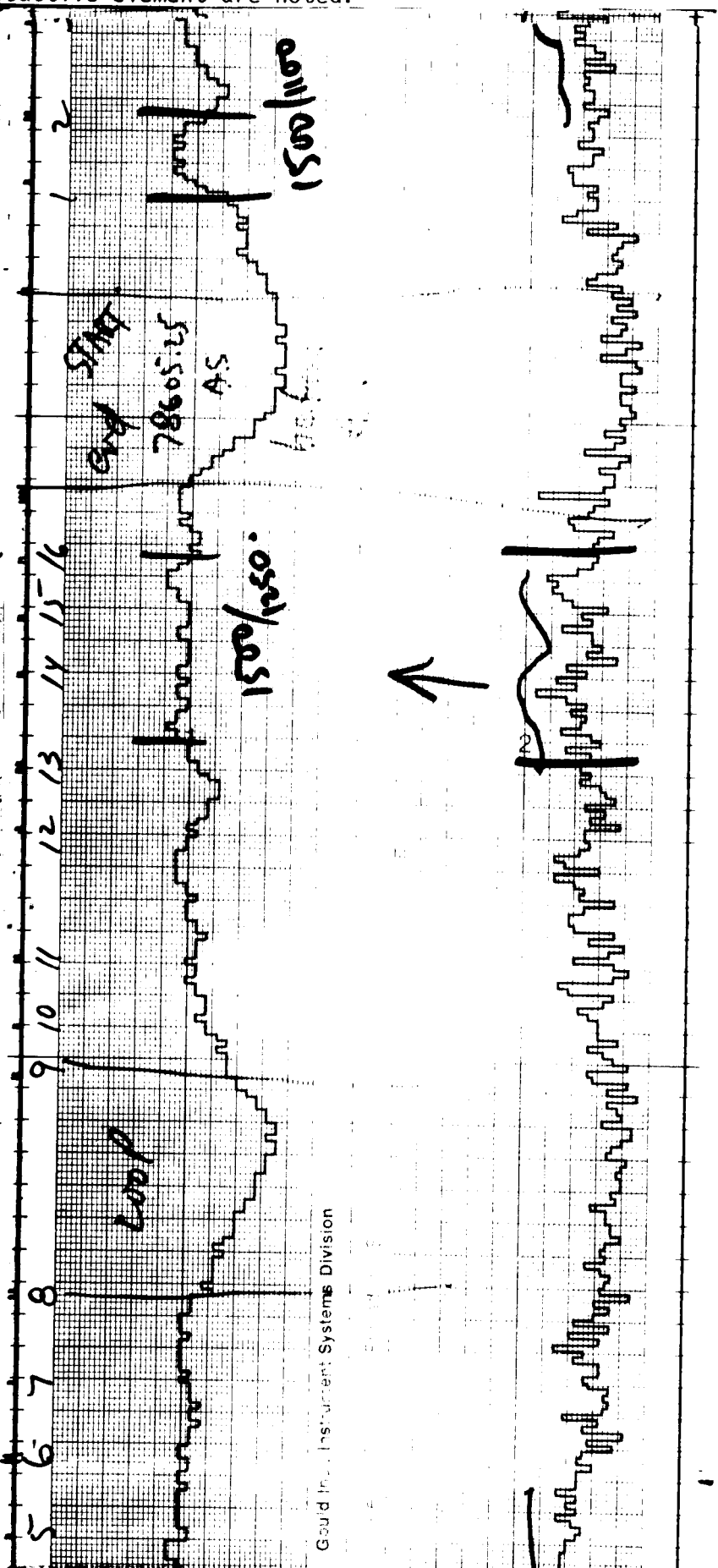
11/52

2/13

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



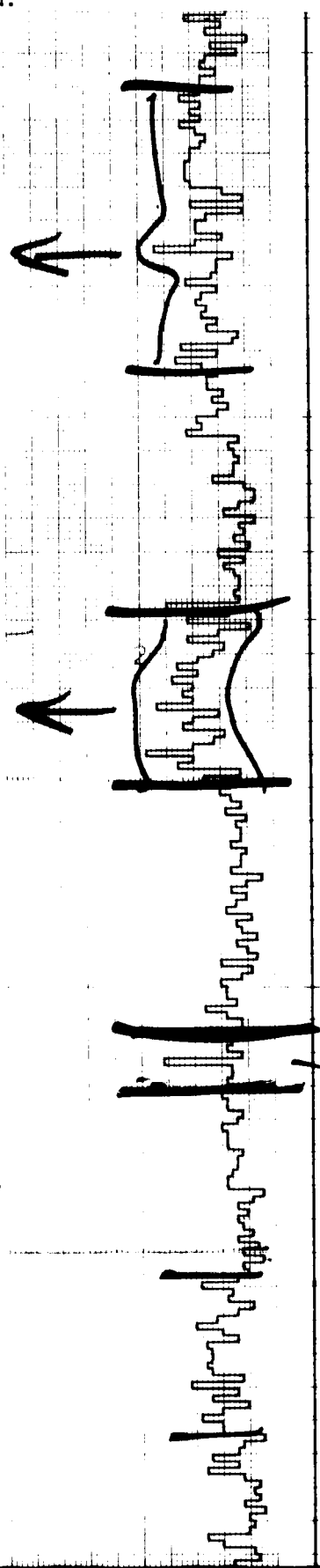
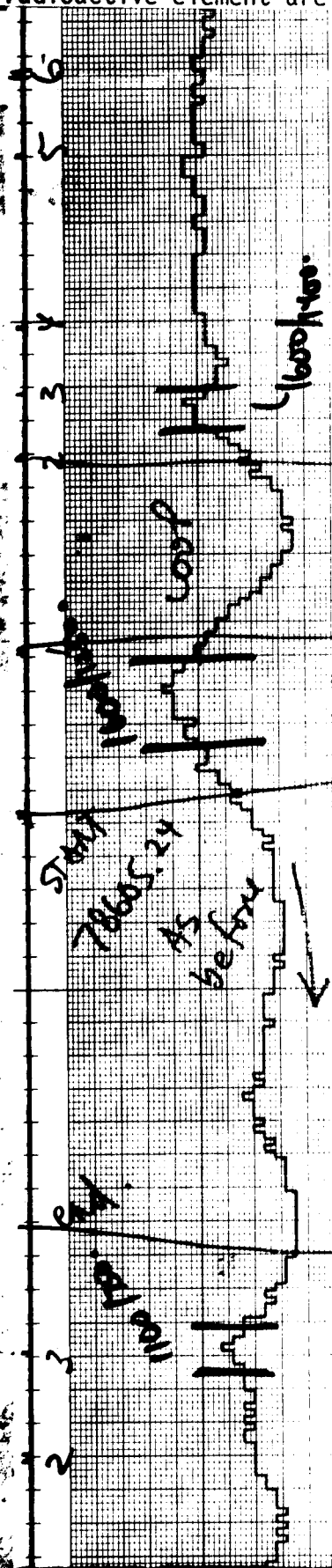
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



Gould Inc., Instrument Systems Division

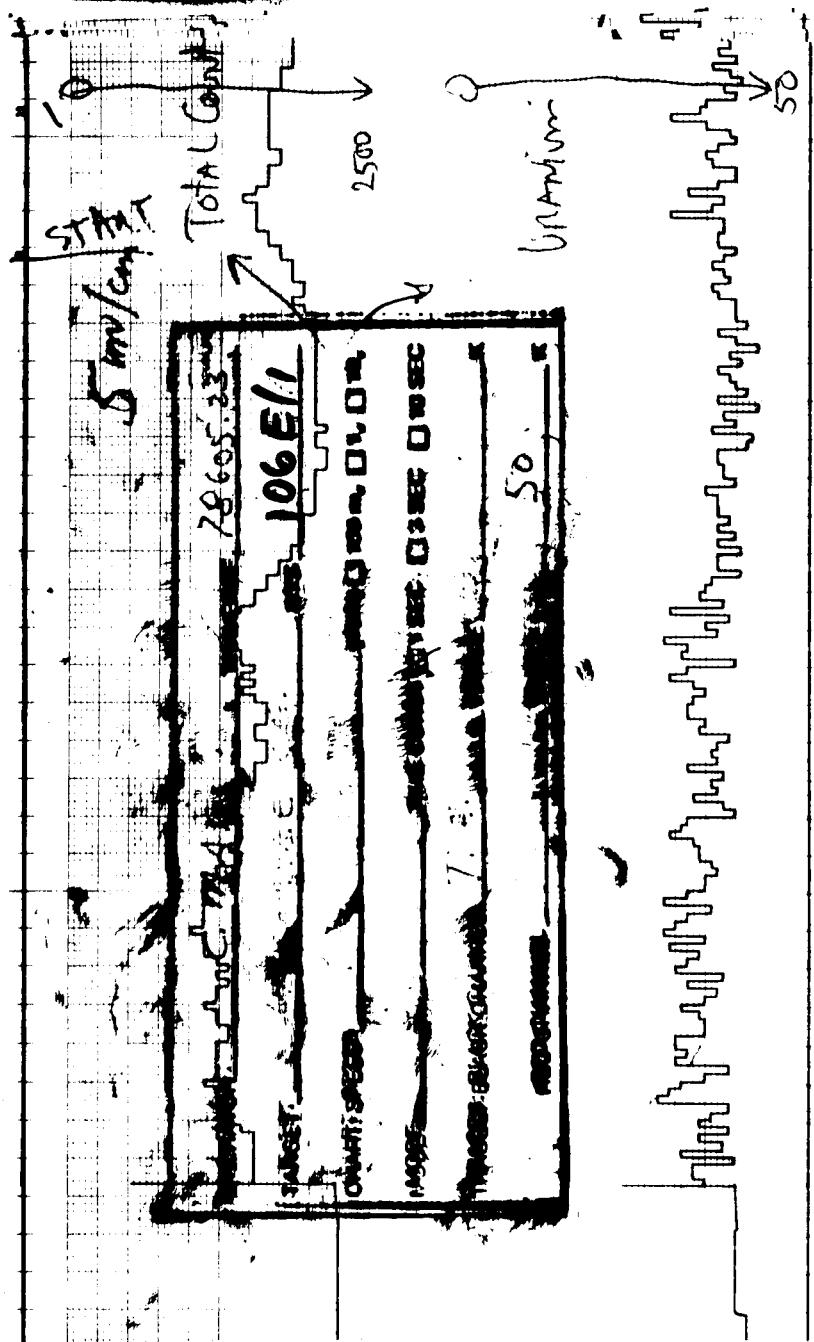
23/15

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



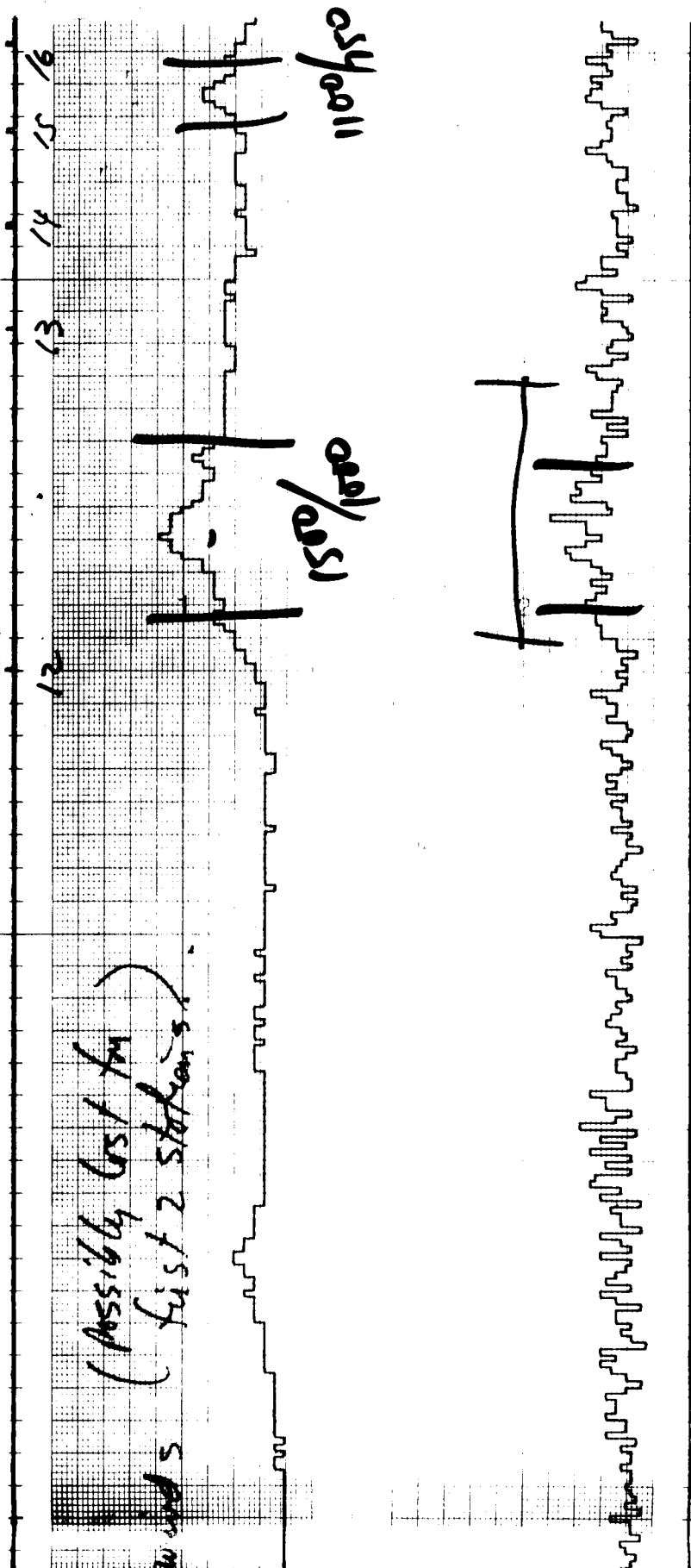
16/10
21/12
21/12
22/12
(between traverses)

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



TAPE THREE

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



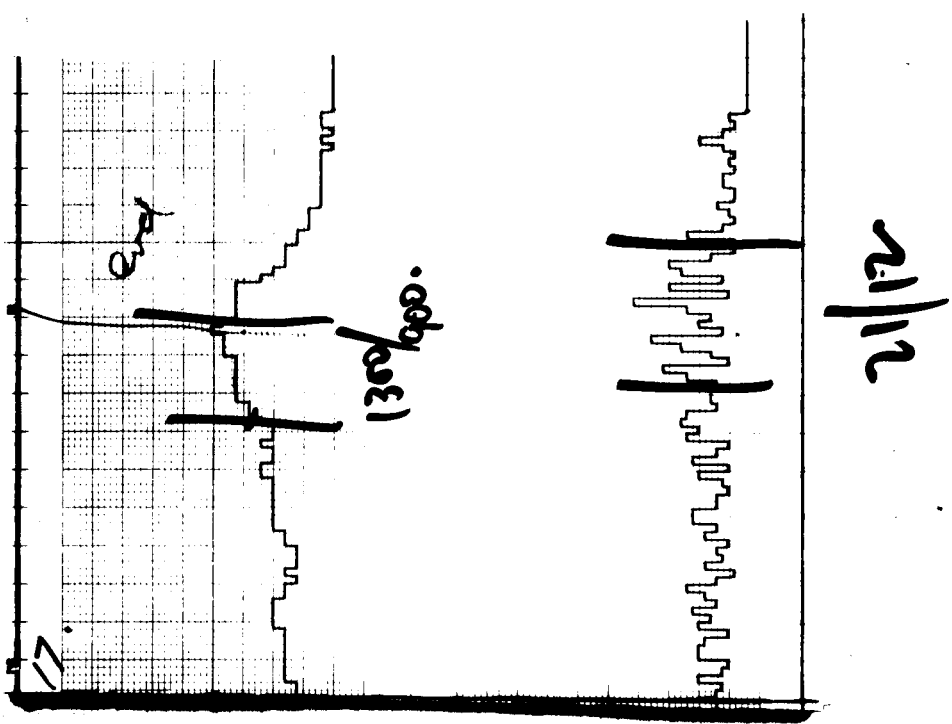
(possibly lost for first 2 stations)

150/001

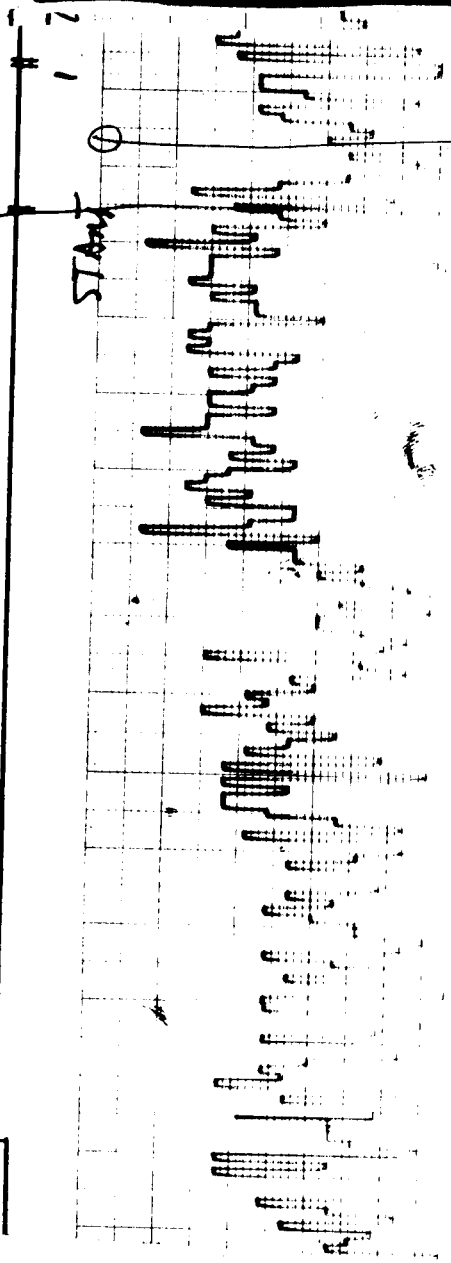
1100/0011

21/02

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



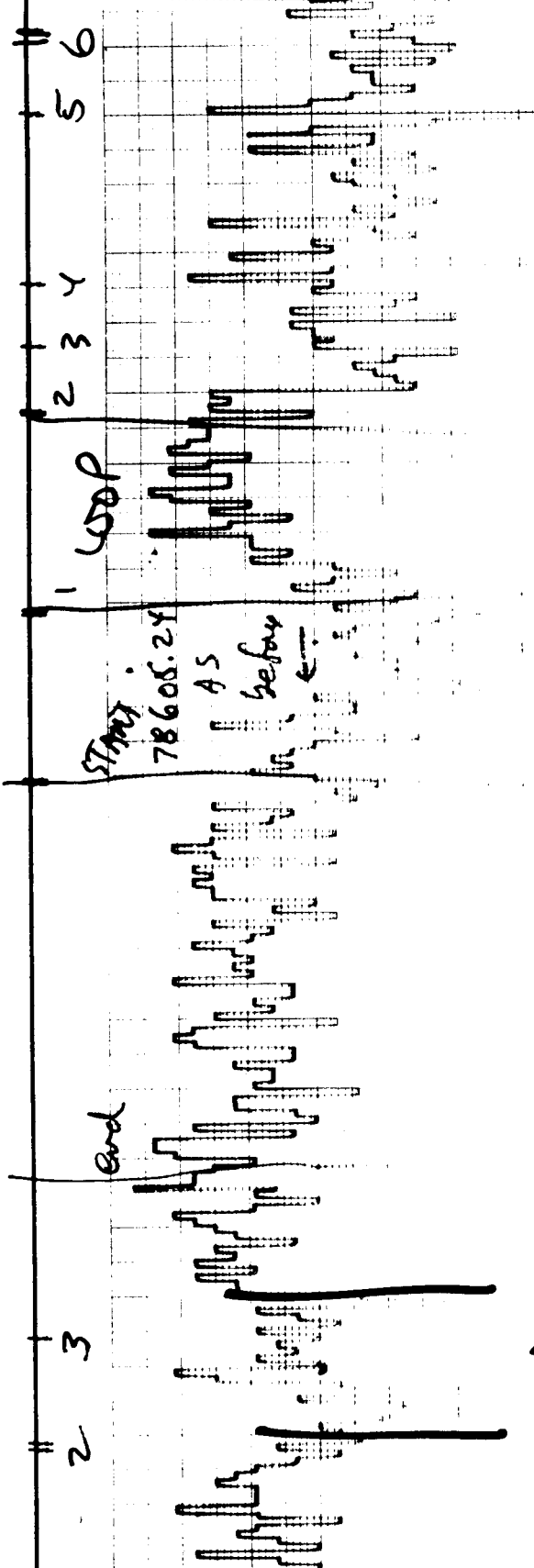
GENERATOR C. 28605.23
 TARGET WERNICKE SL MS 100E/1
 CHART SPEED 6 20 mv/cm
 MODE TIME CONST 1 SEC 0.3 SEC 0.10 SEC
 CHANNEL RANGE 0-70
 RED CHANNEL RANGE 00 0

Thorium

40 cps.

Tape Four

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

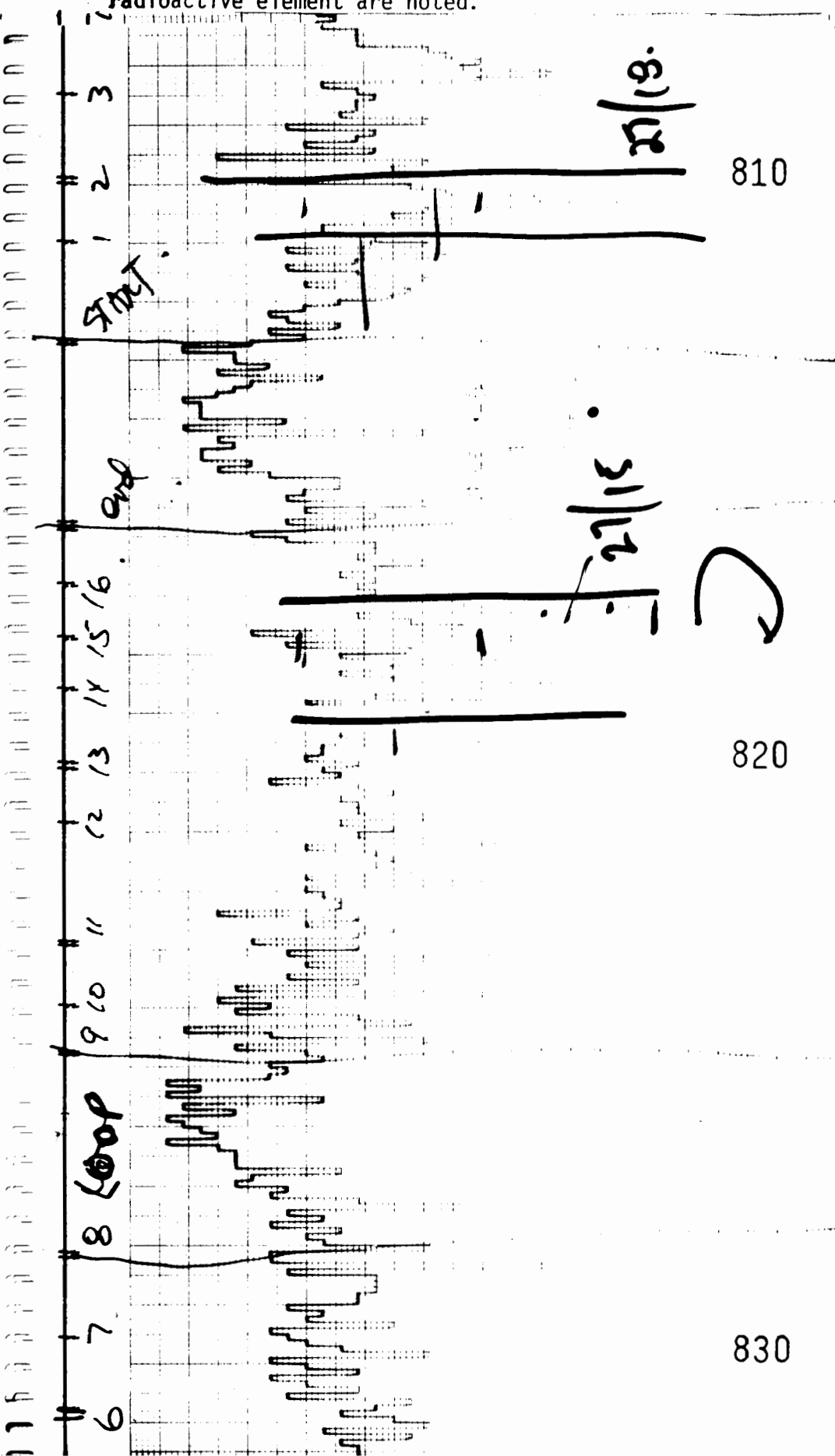


840

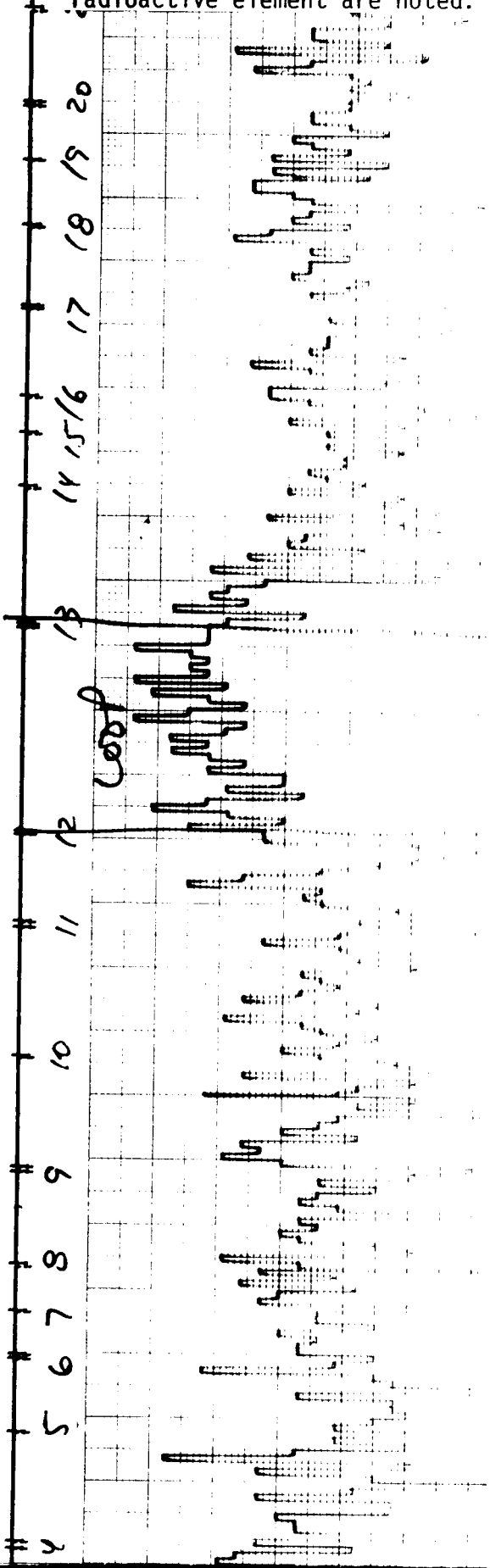
16/10.

850

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



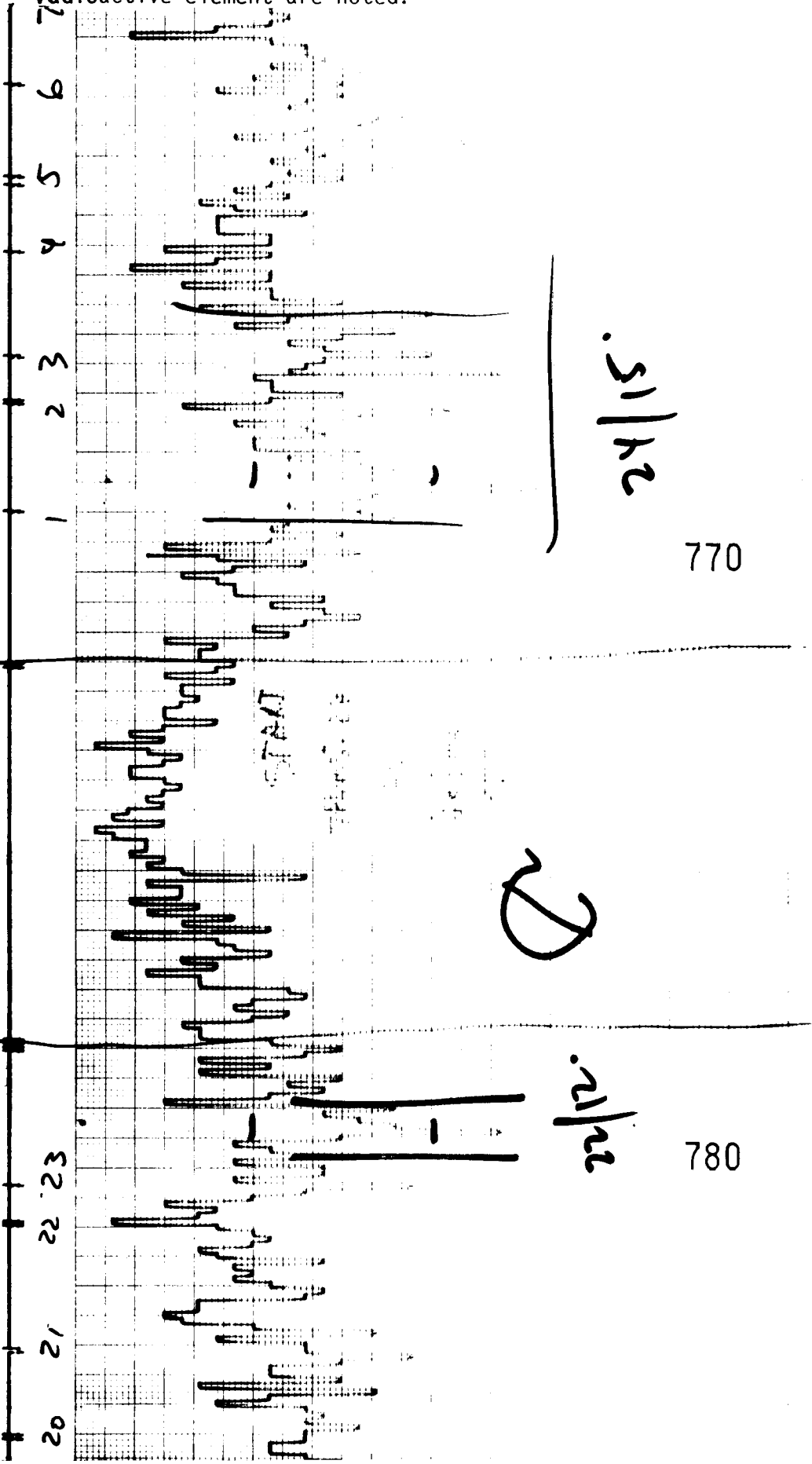
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



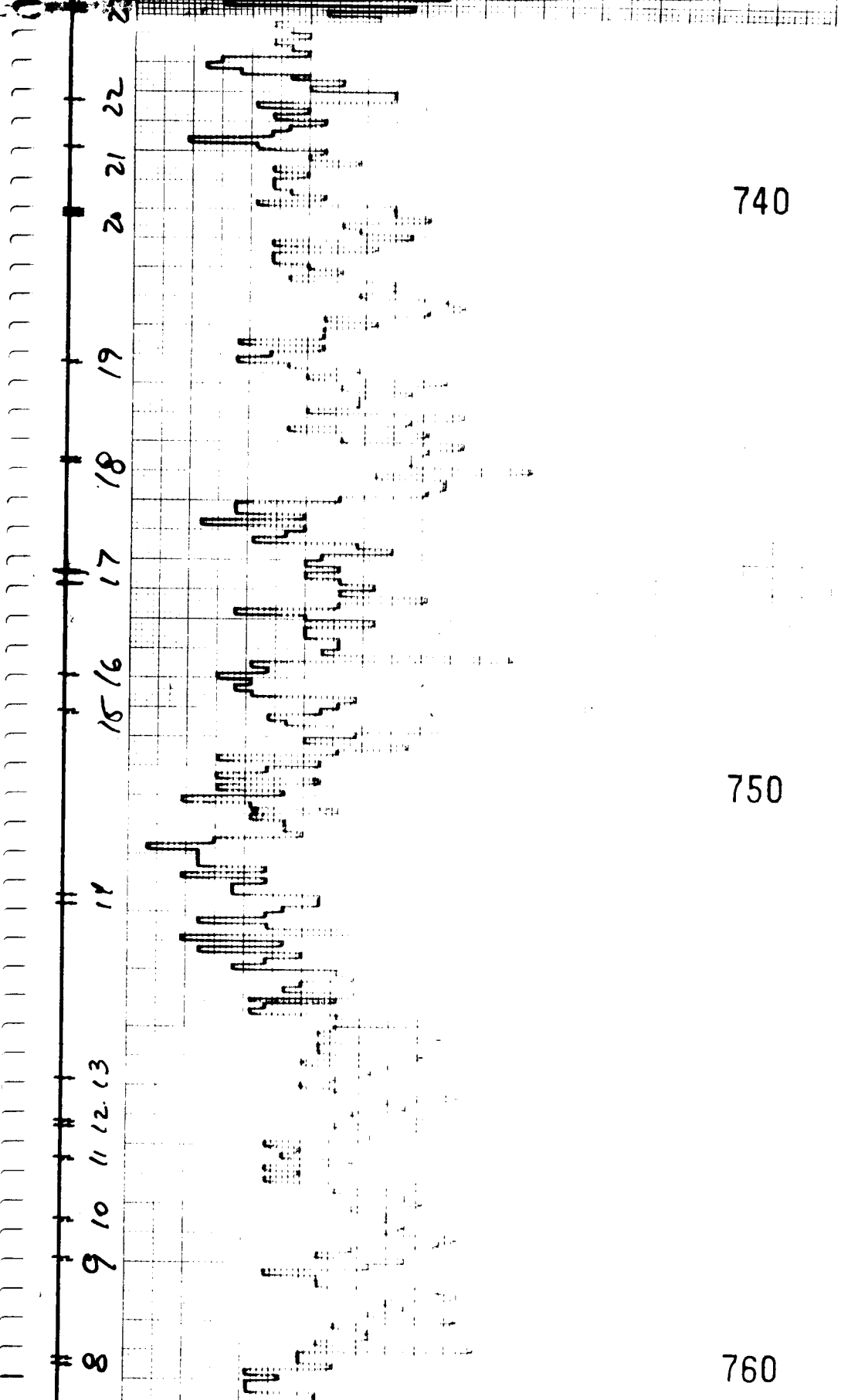
790

800

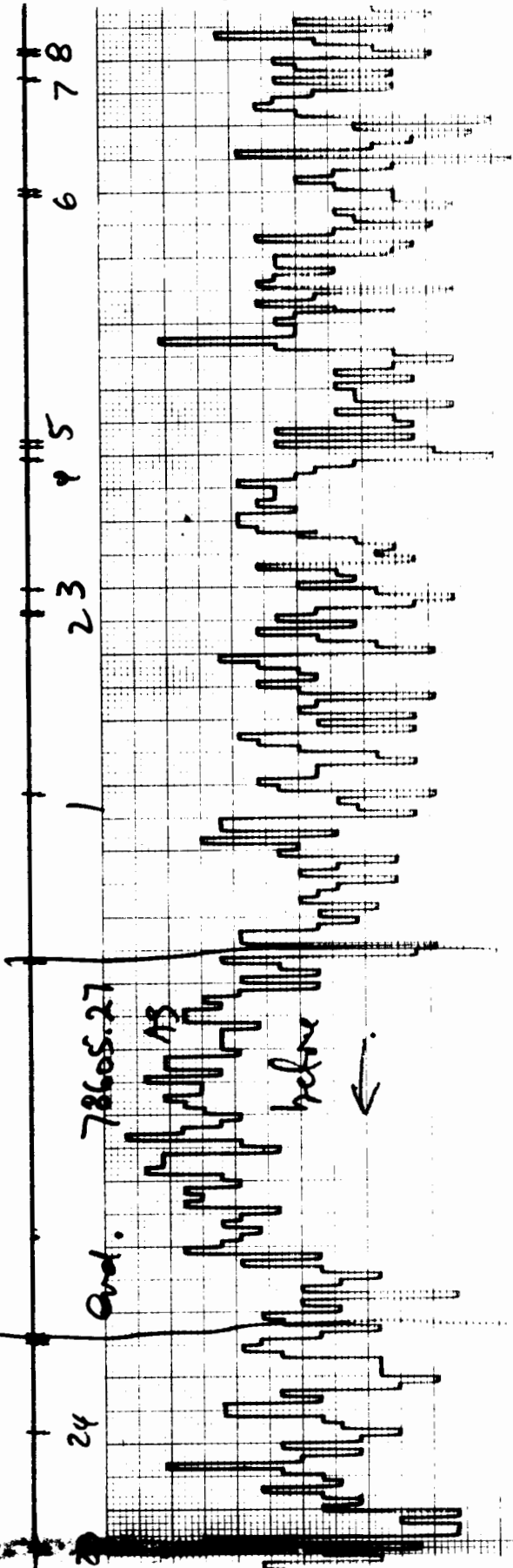
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



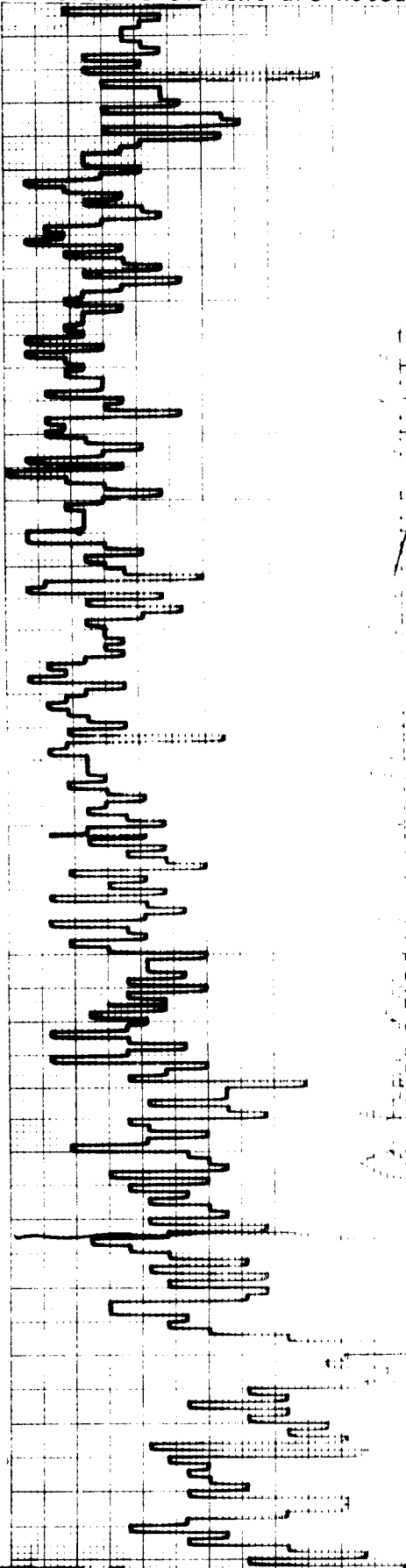
720

730

F

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

690



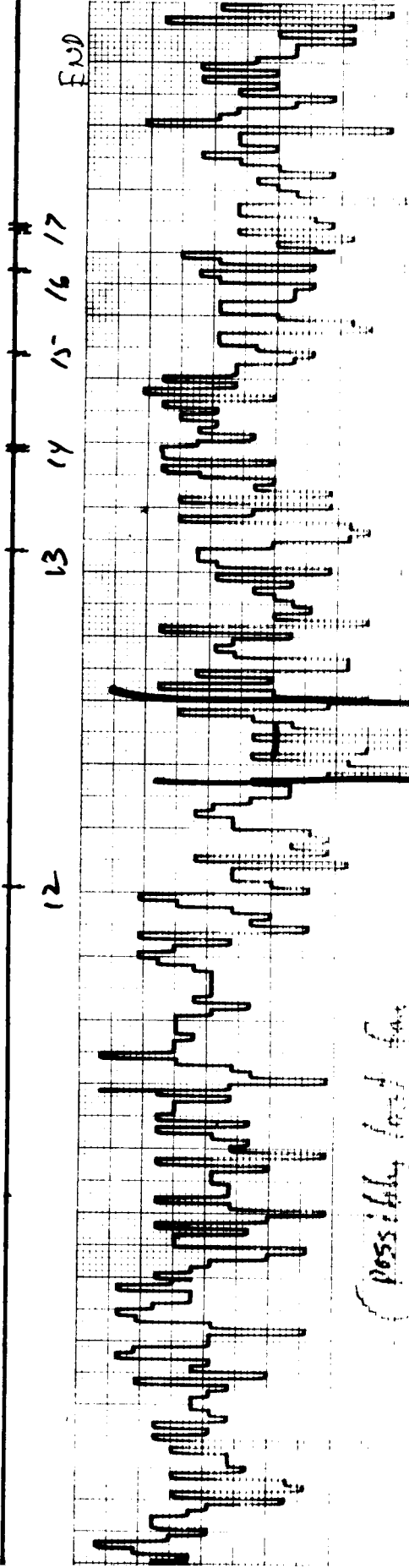
700

11
01

710

9

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



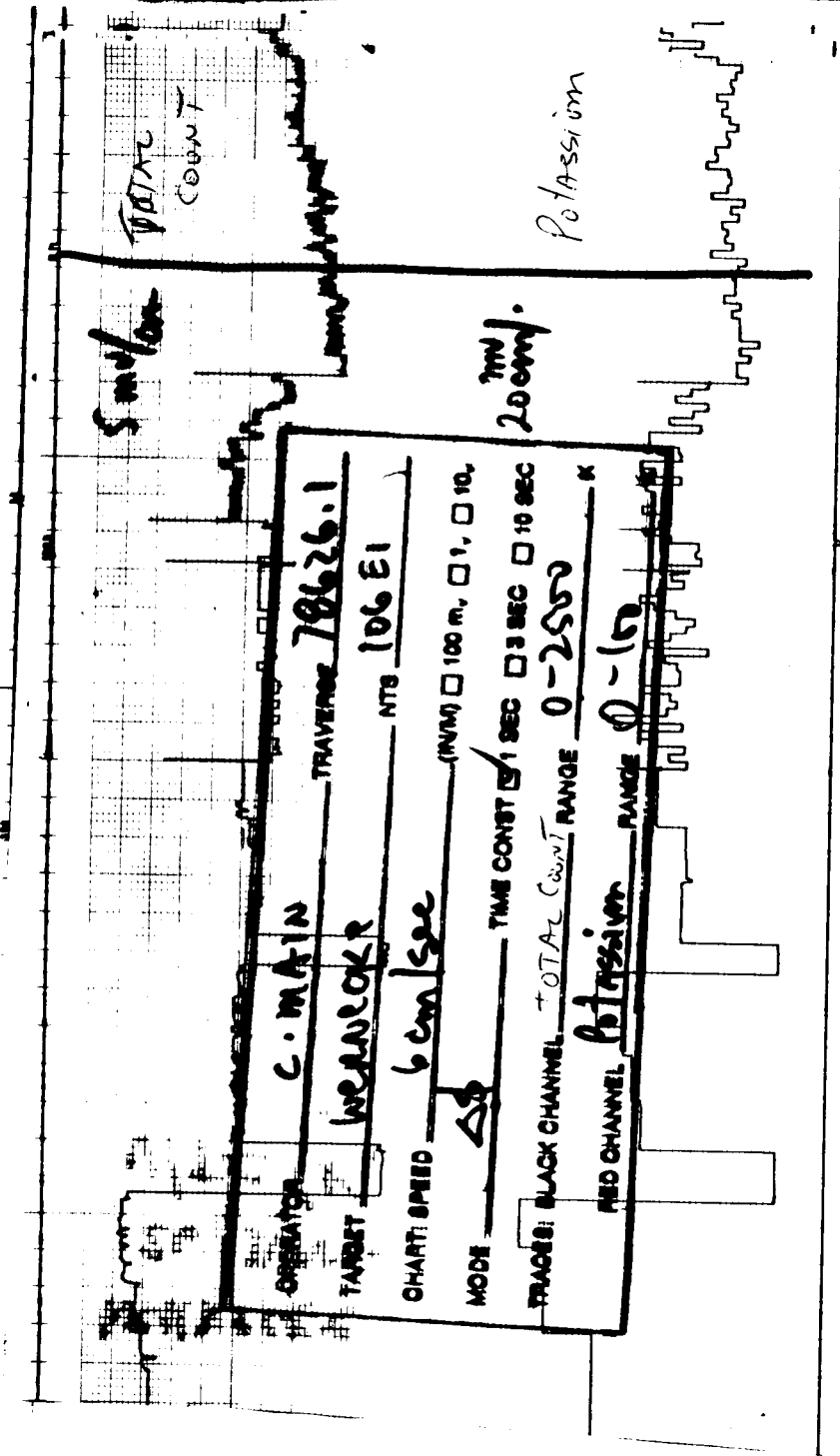
670

680

690

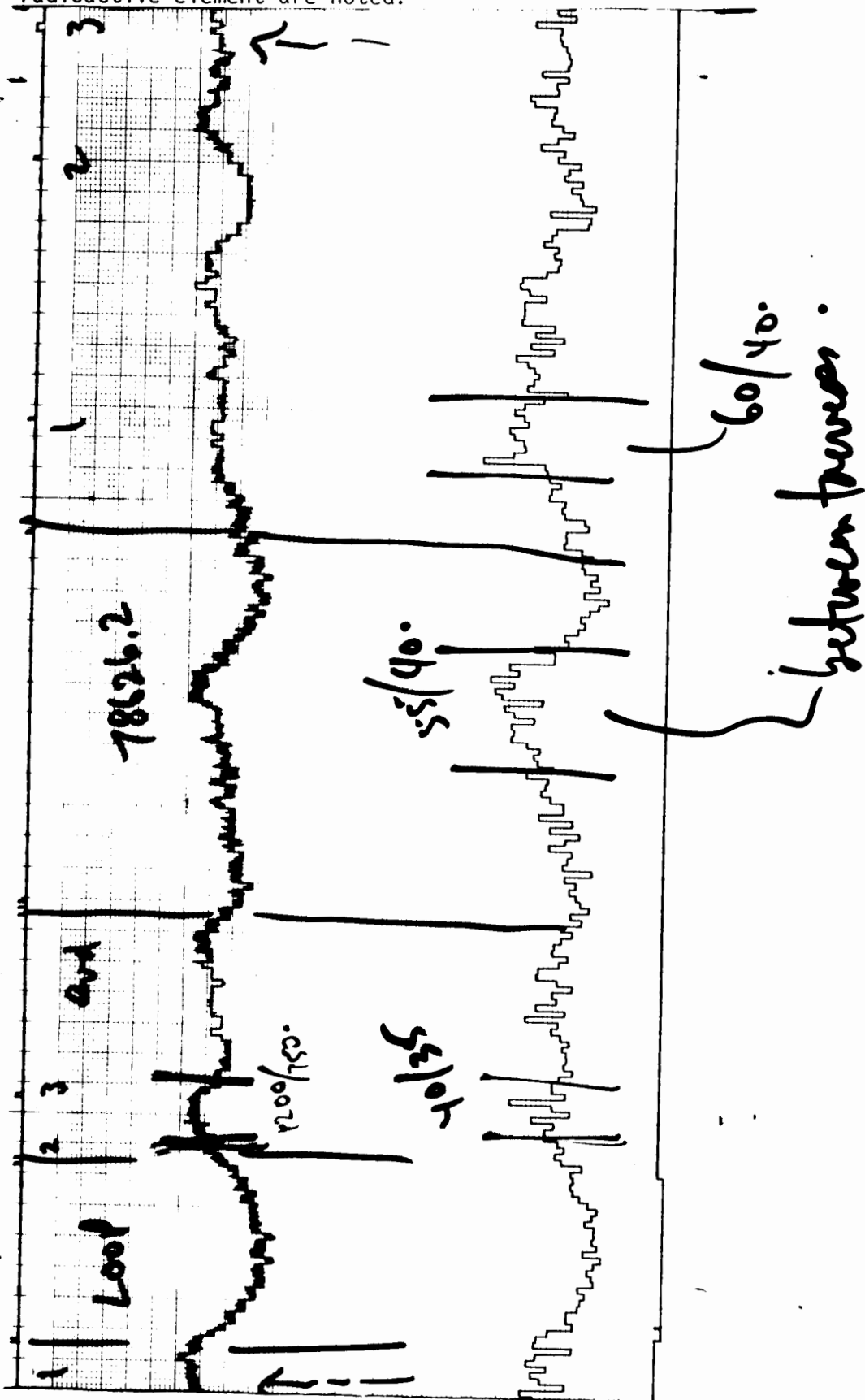
Possibly lead for
21/14

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

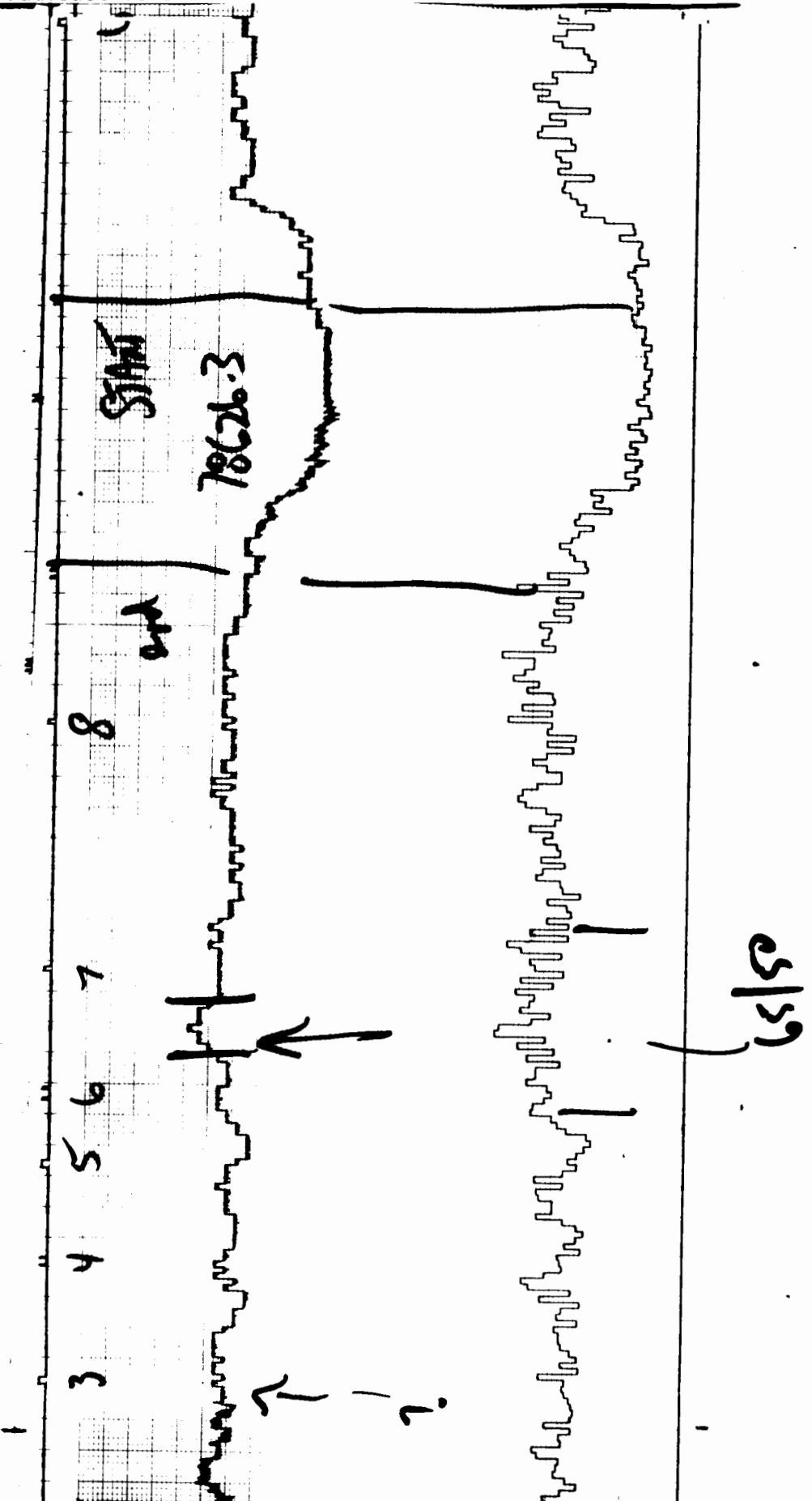


Tape Five

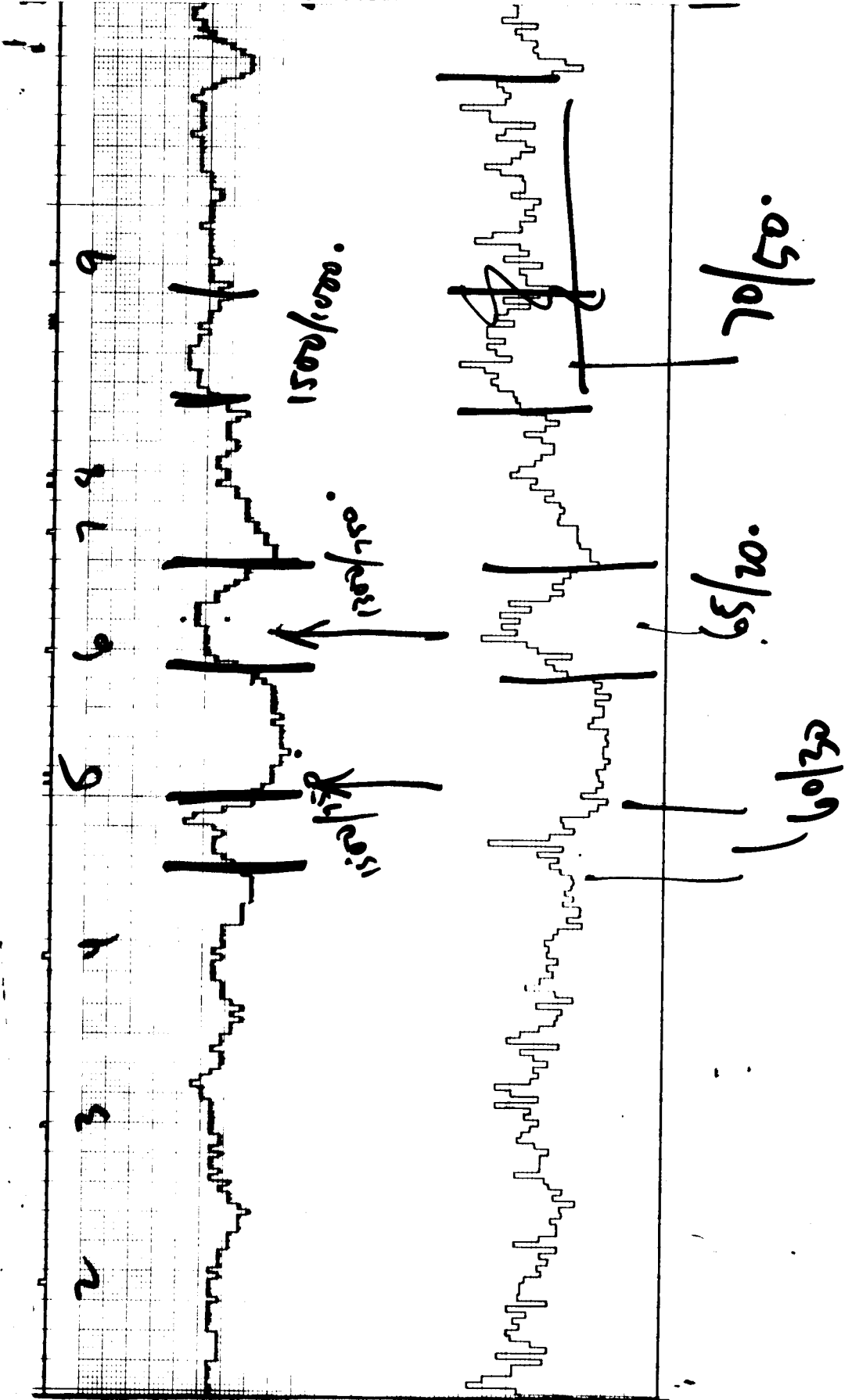
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



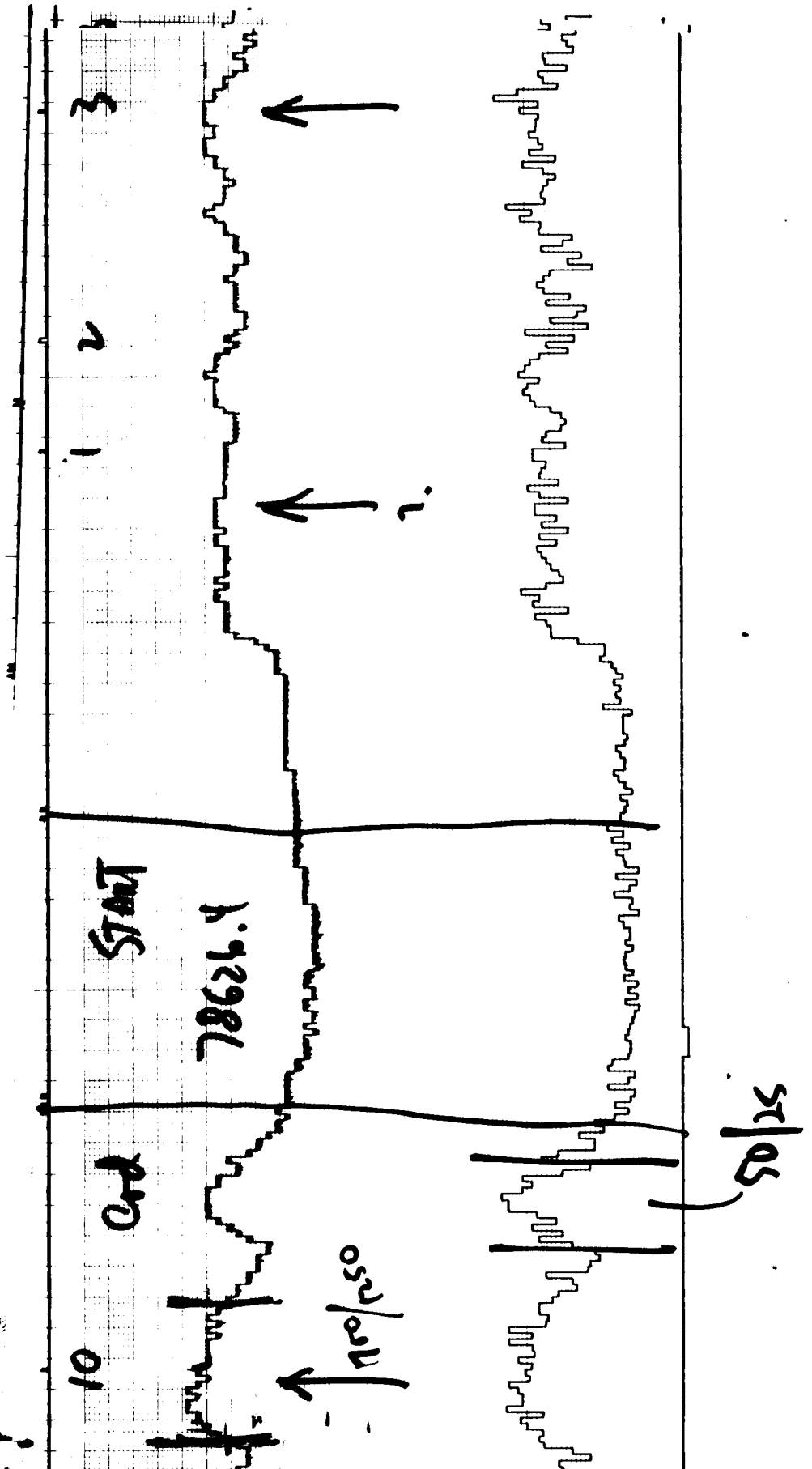
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



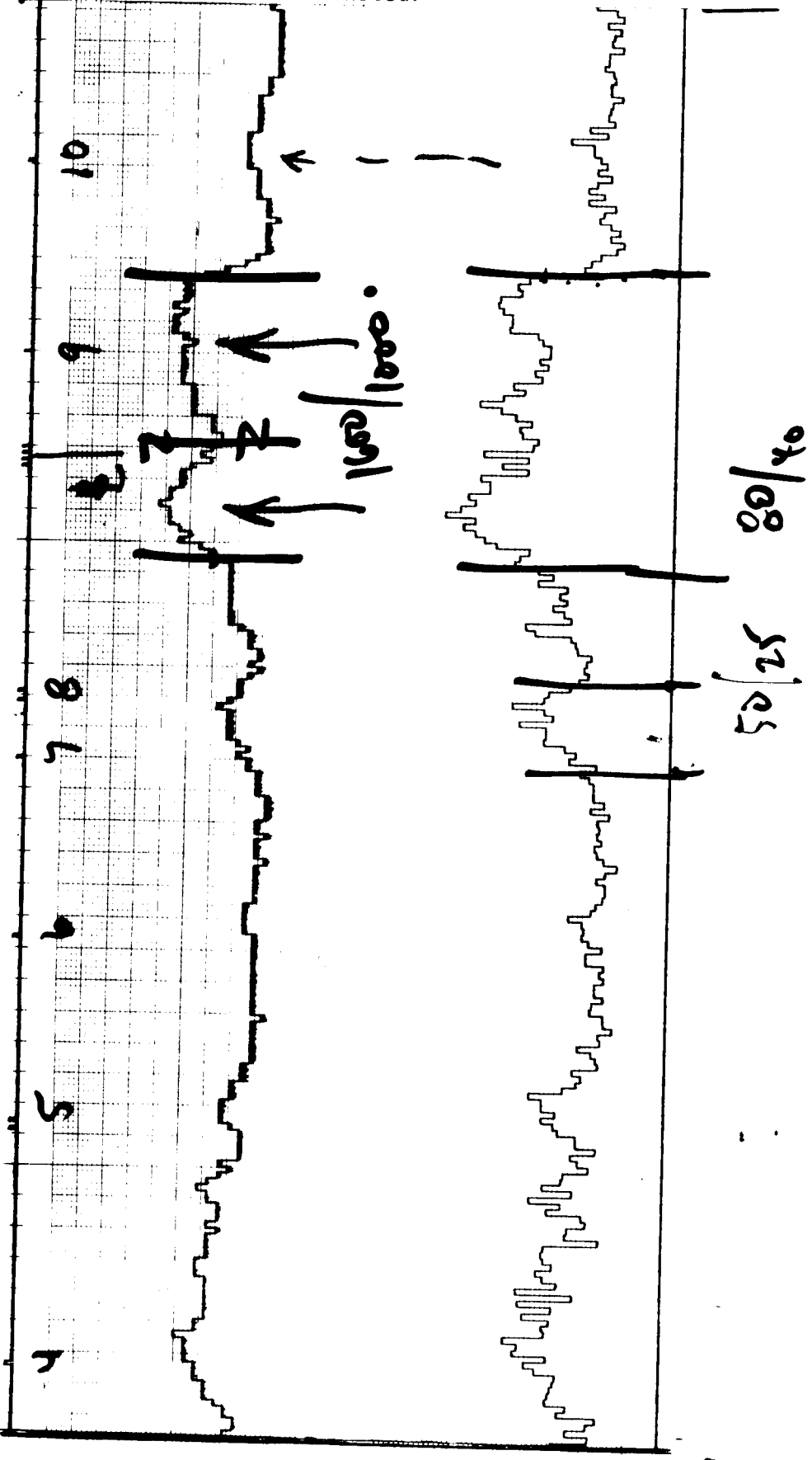
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



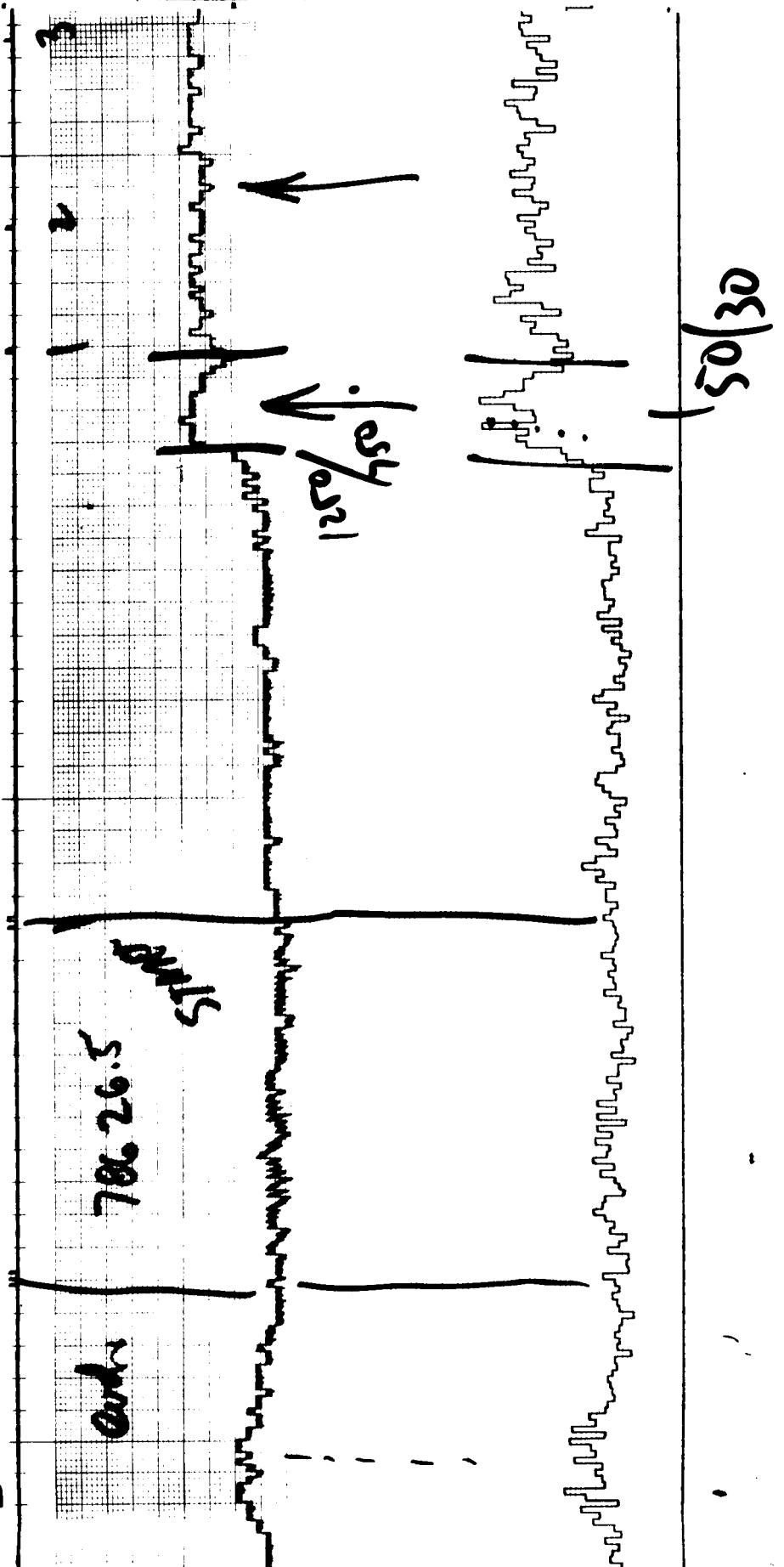
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



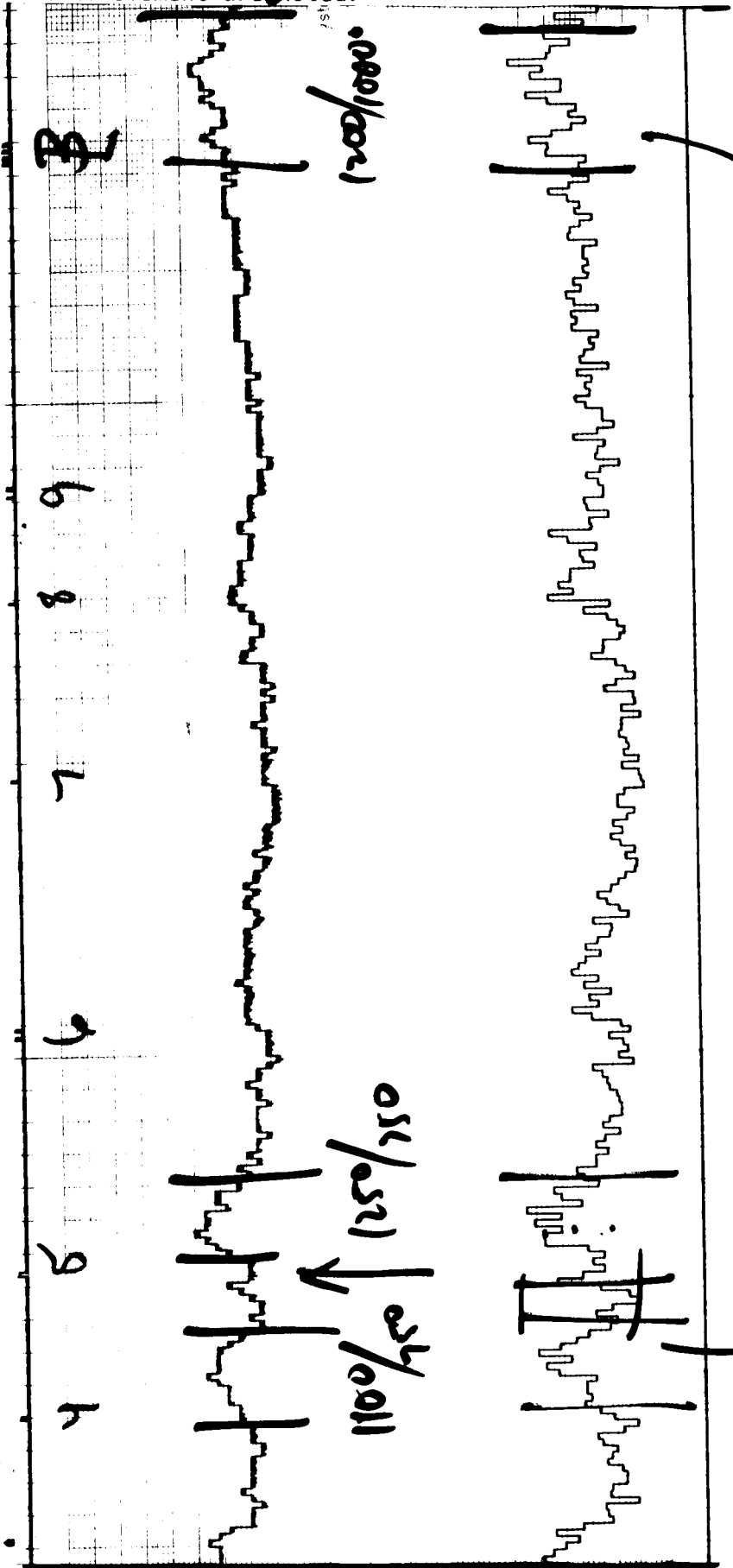
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



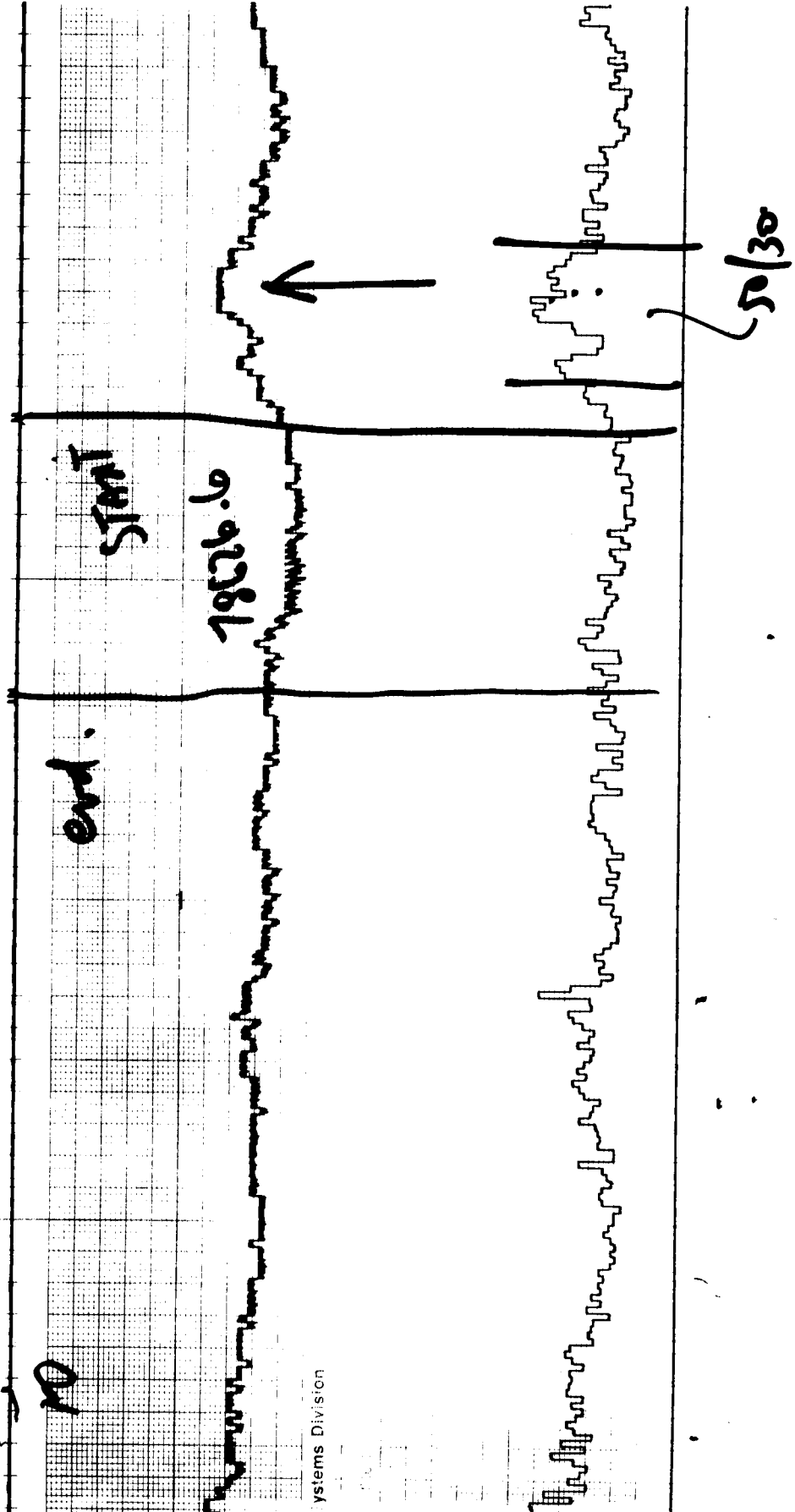
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



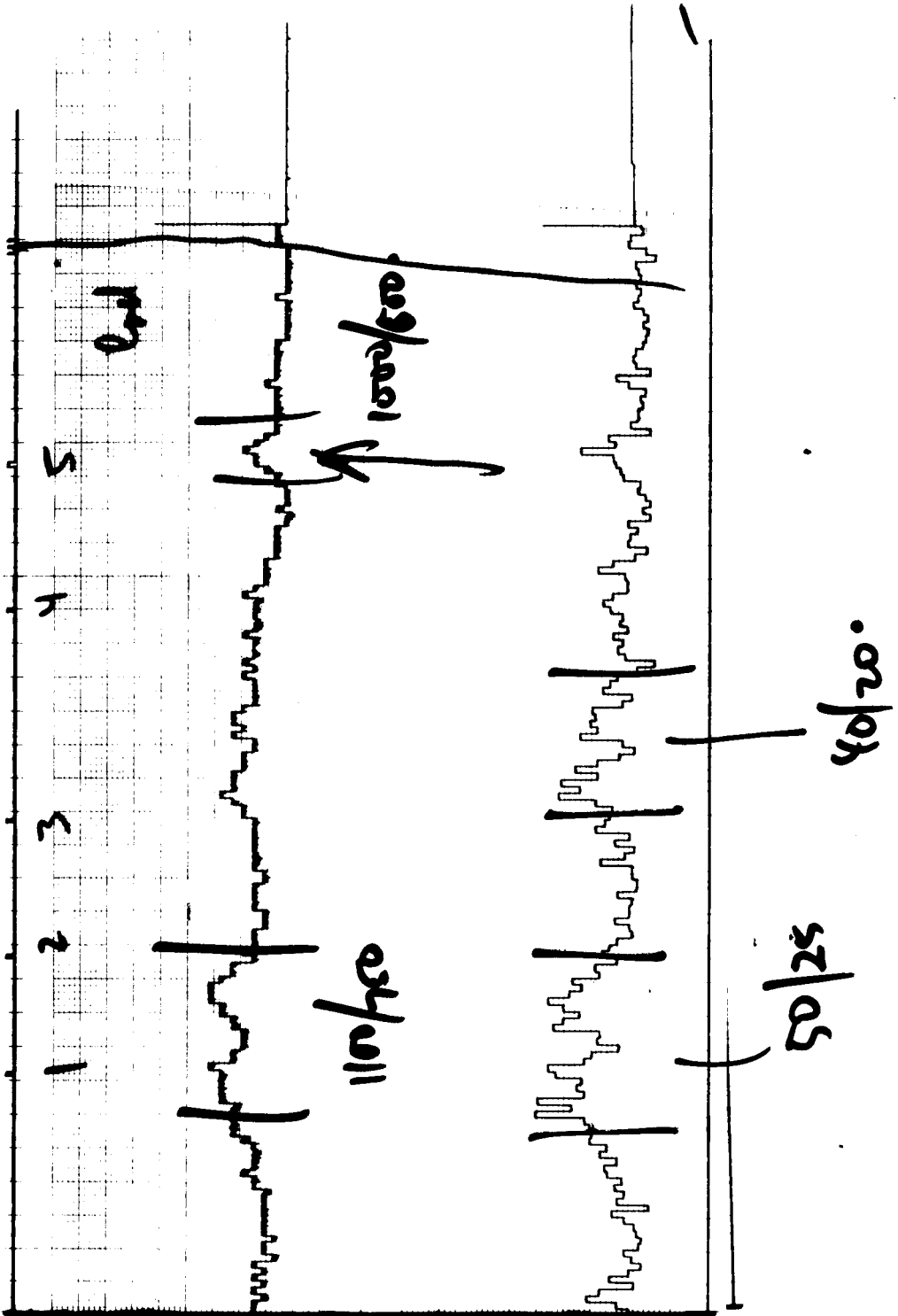
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



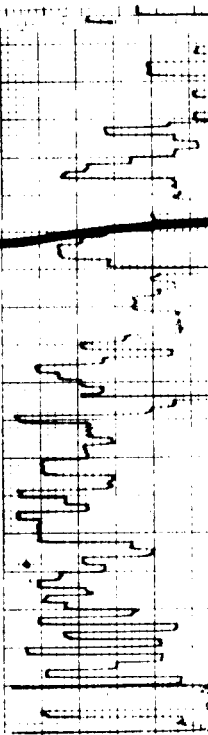
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

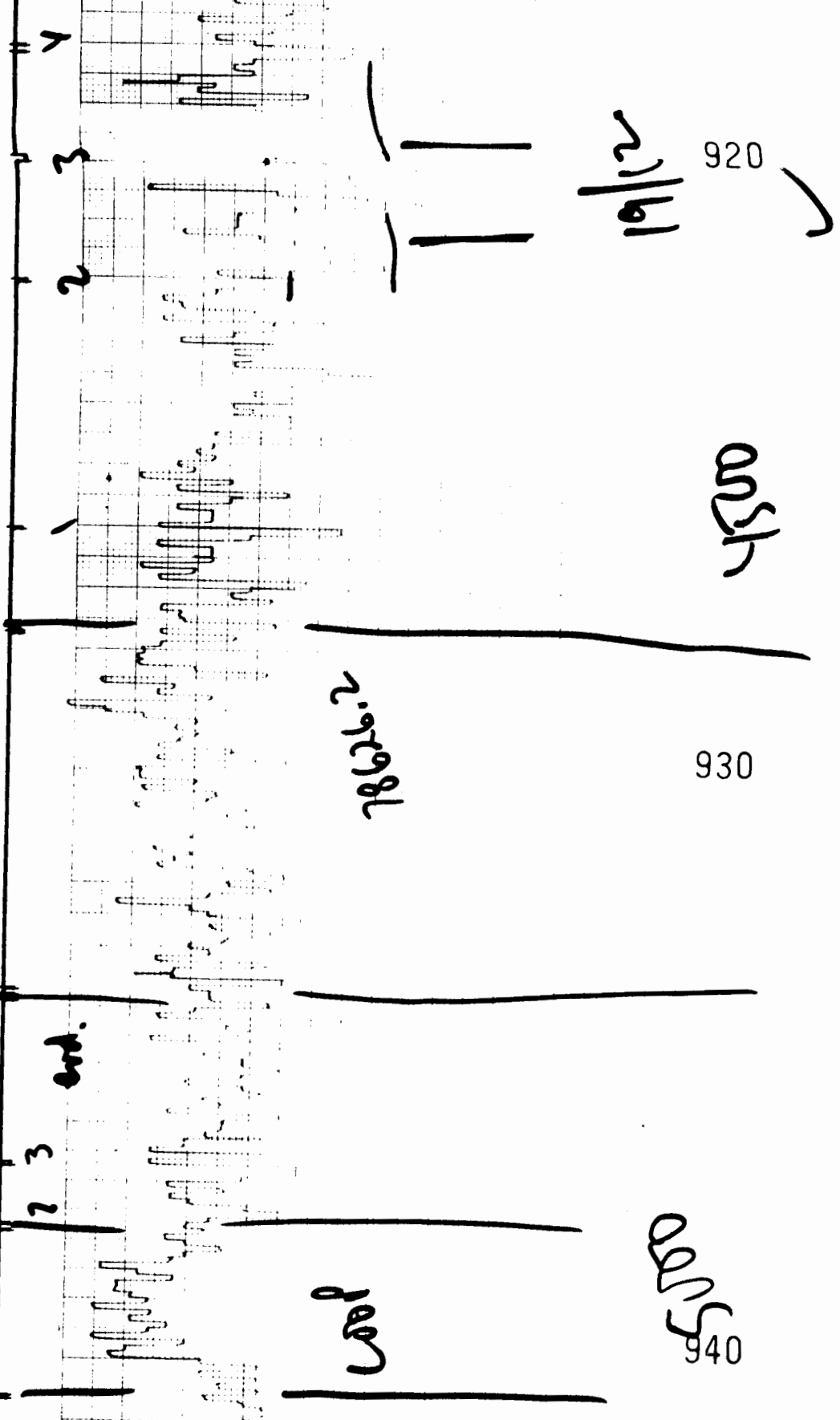


TRAVERSE C. MAIN NUMBER 78626.1
 TRAVERSE WARRNECKE et. NO. 10661
 CONTAINER 6 Can / Sec 20 cm / Sec
 DATE Δb TIME CORRECTED: 0:00 0:00 0:00
 RADIOACTIVE ELEMENT VANADIN NUMBER D-40.
 INSTRUMENT: _____

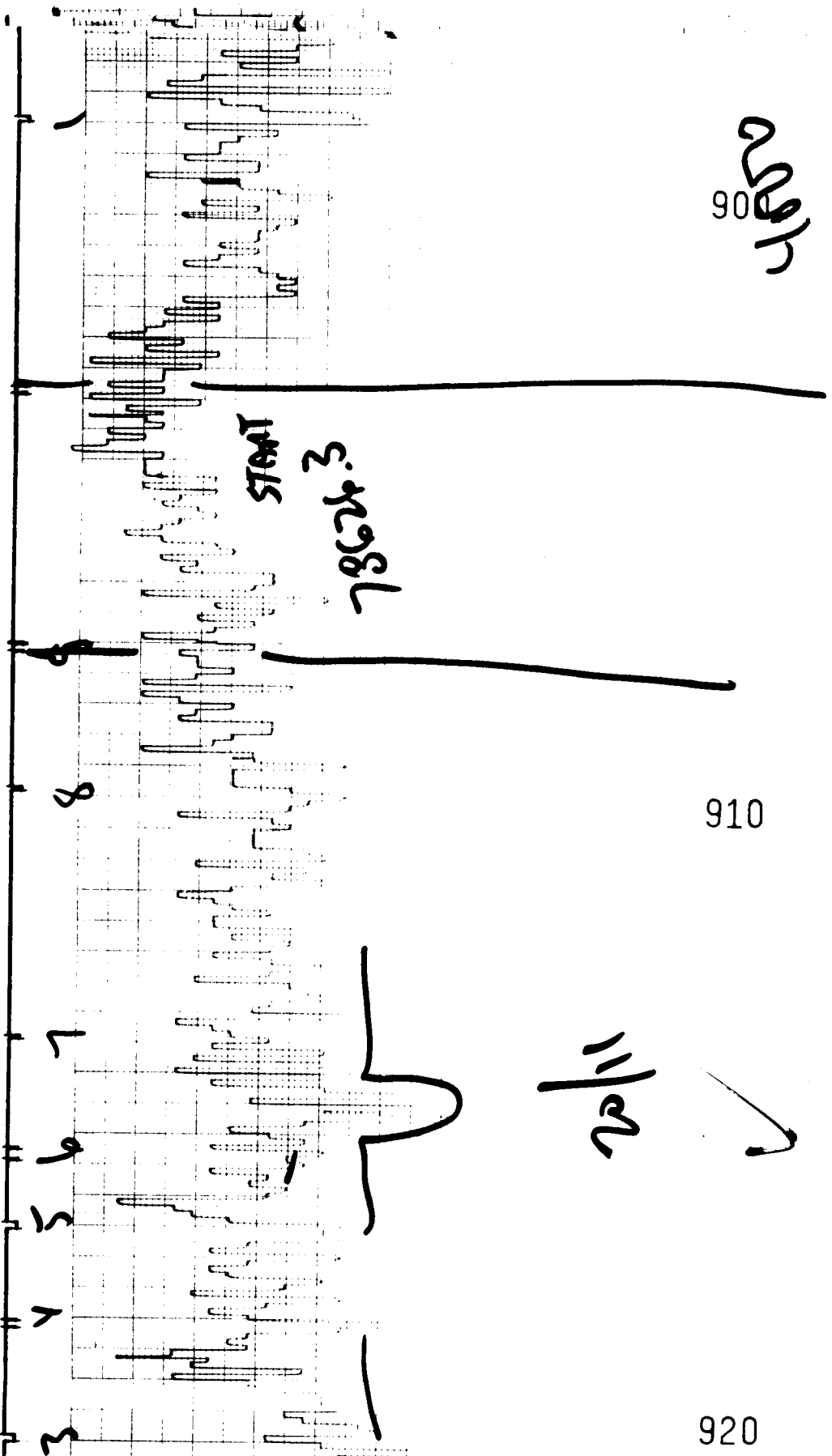
950

Tape Six

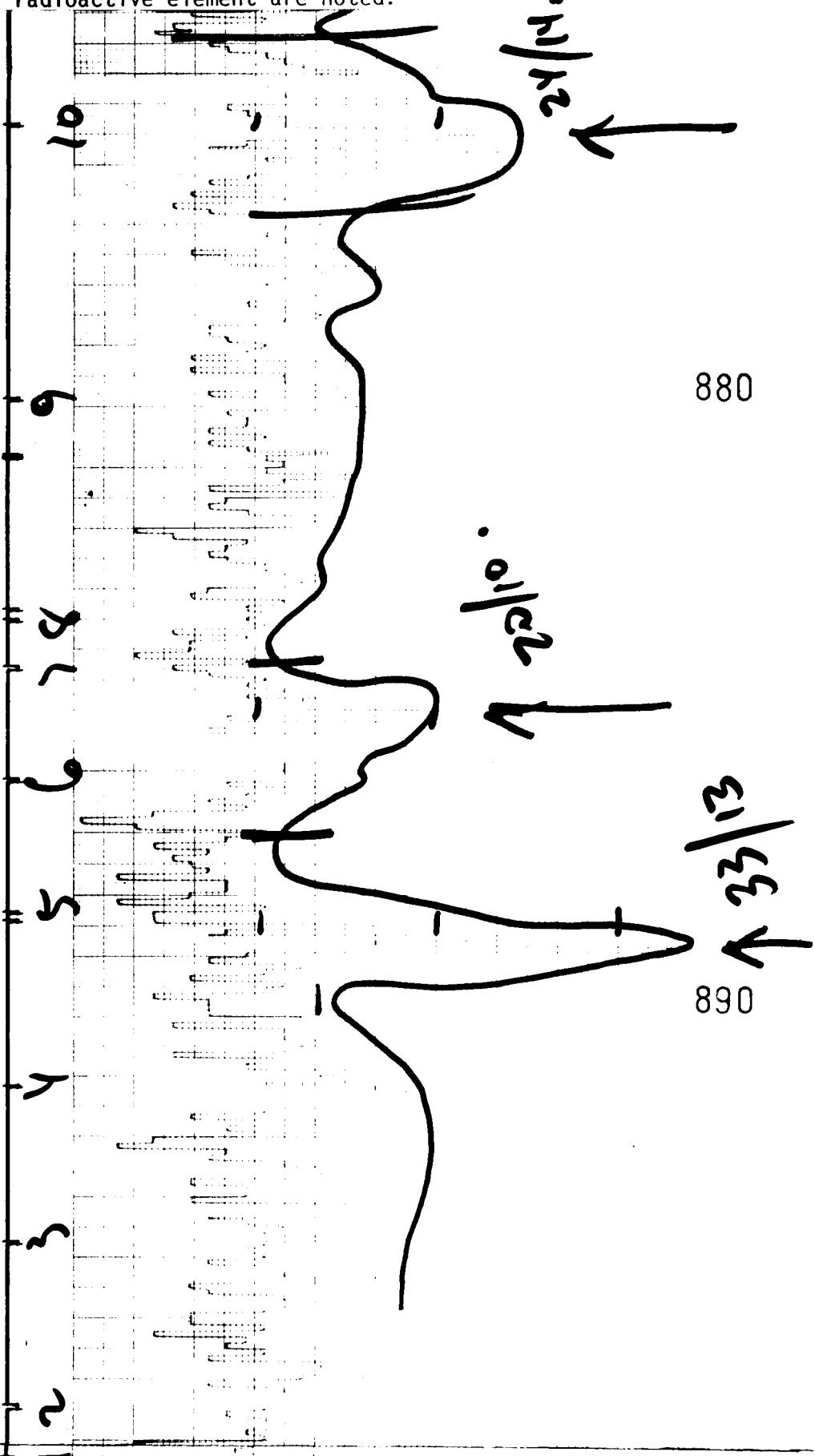
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



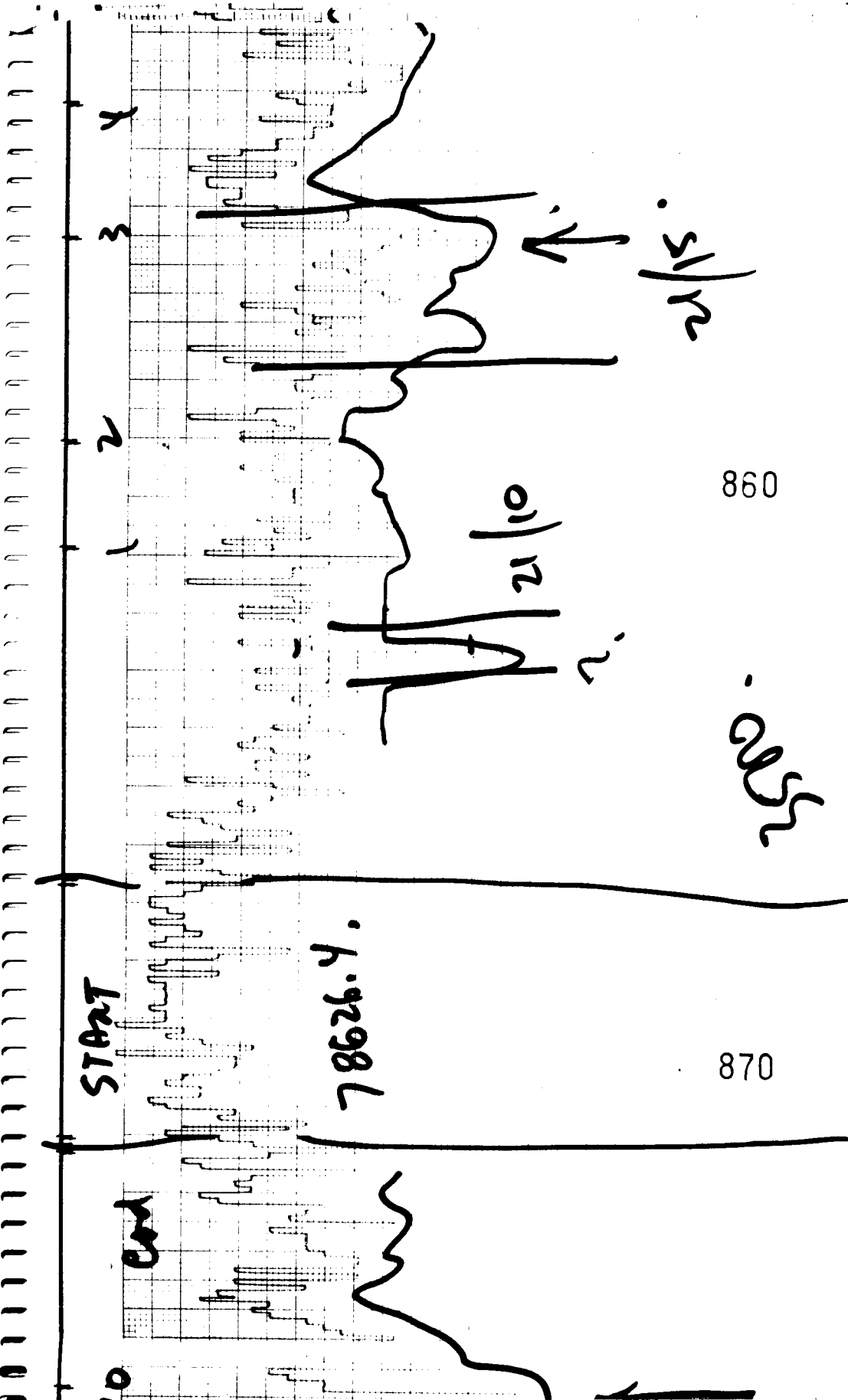
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



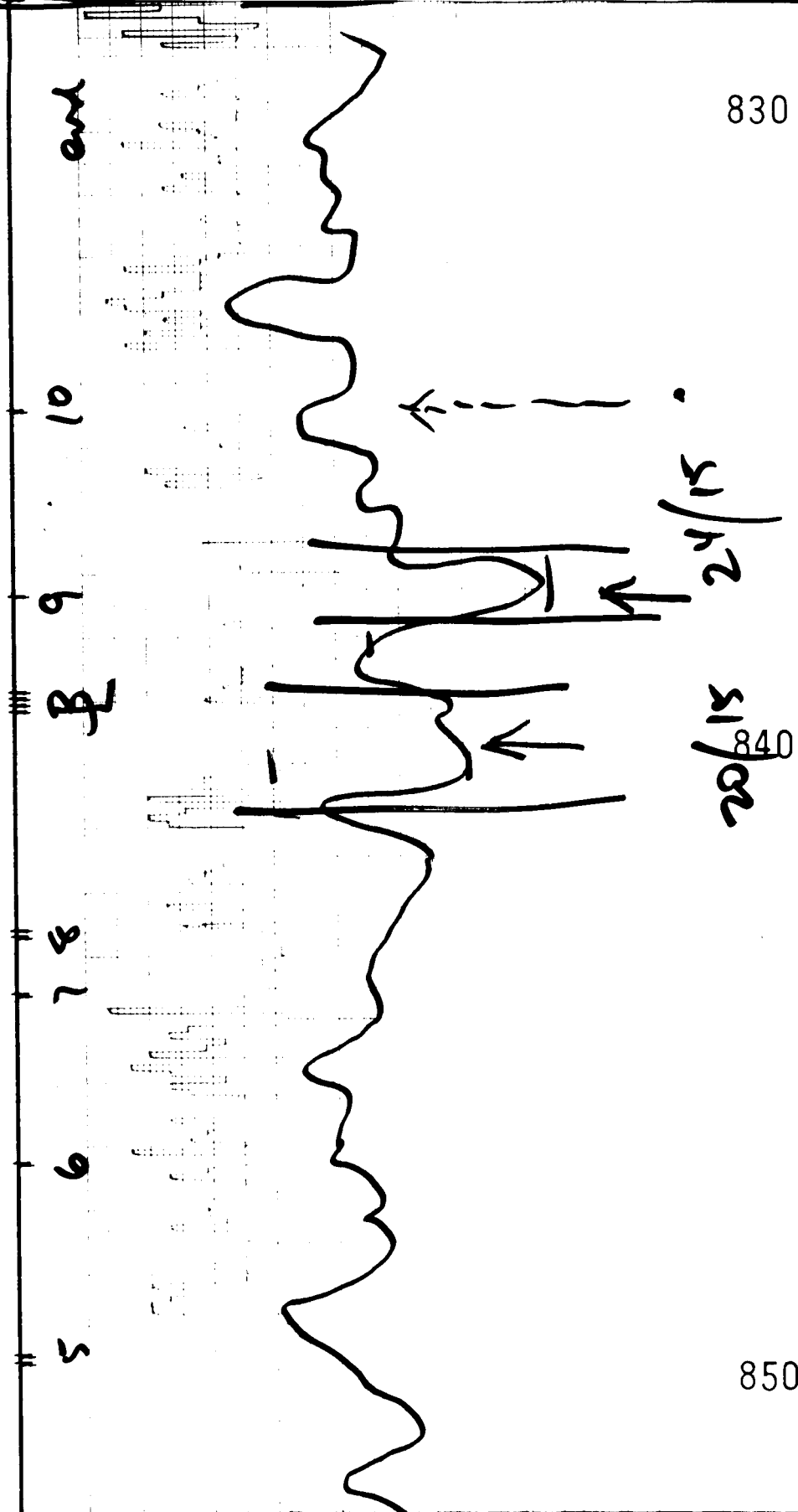
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



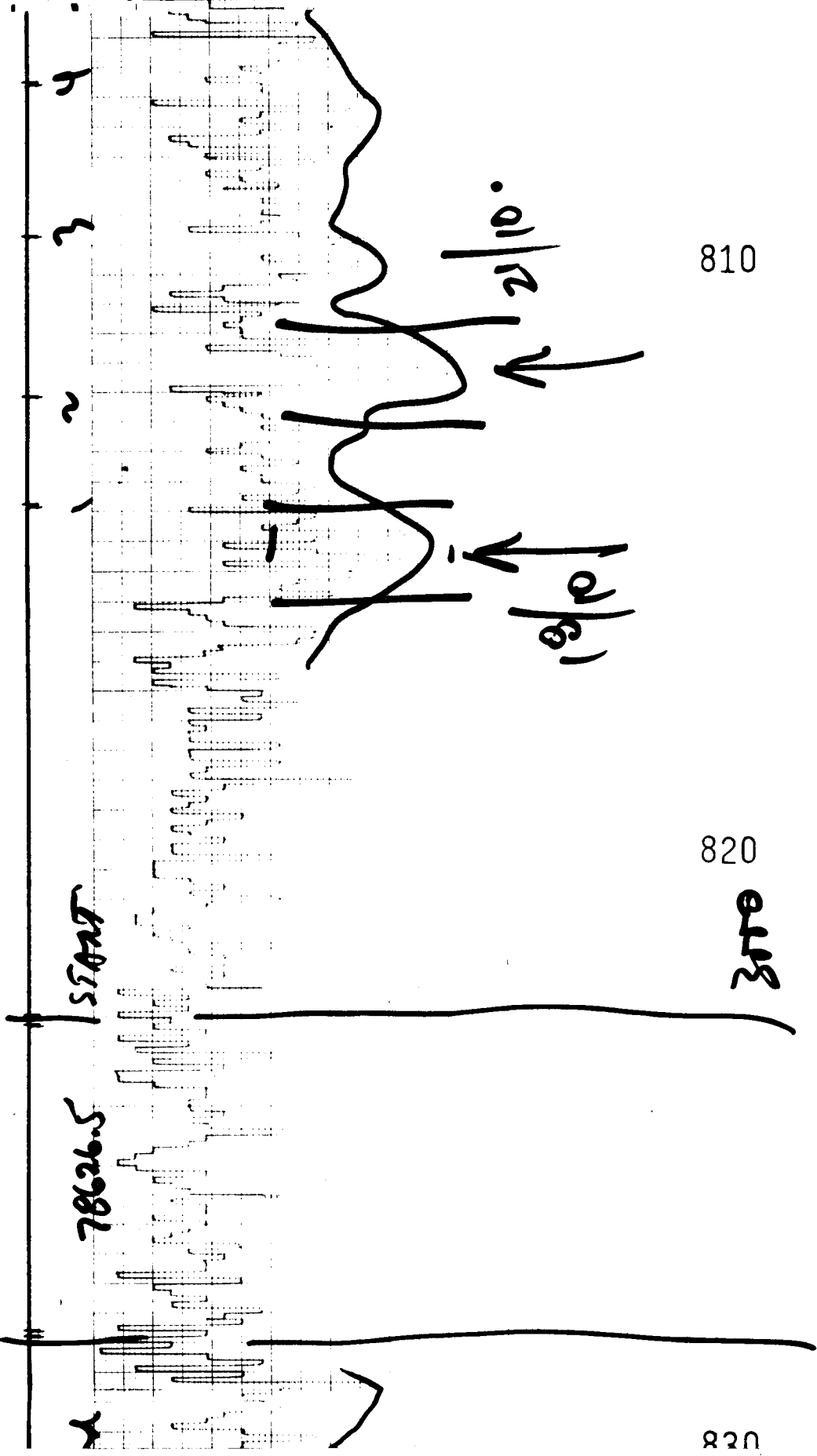
These photopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



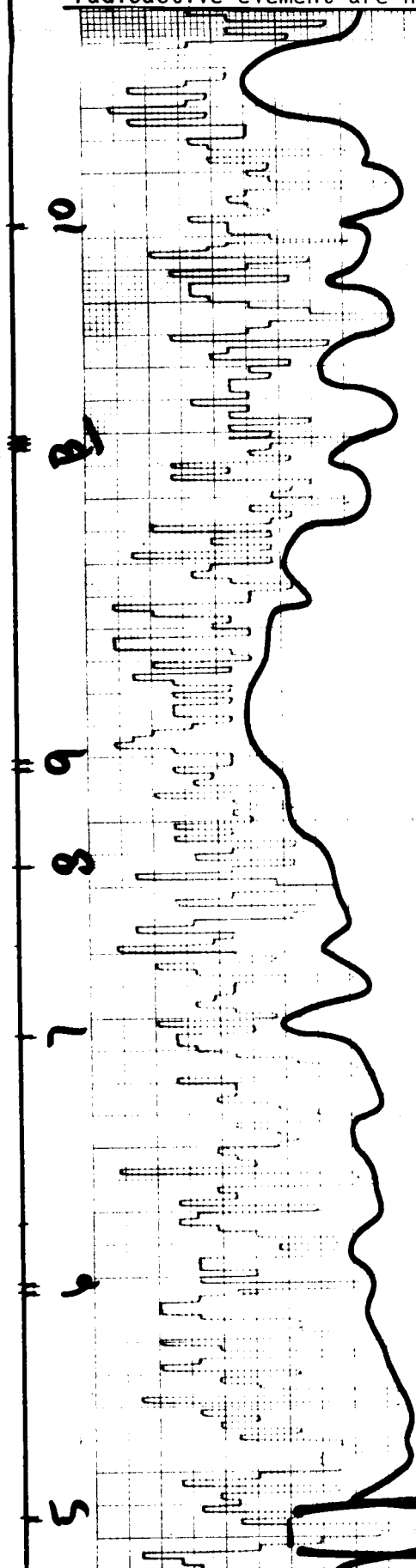
These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



790

800

5/102
A

These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.

760

9957

6511
2.

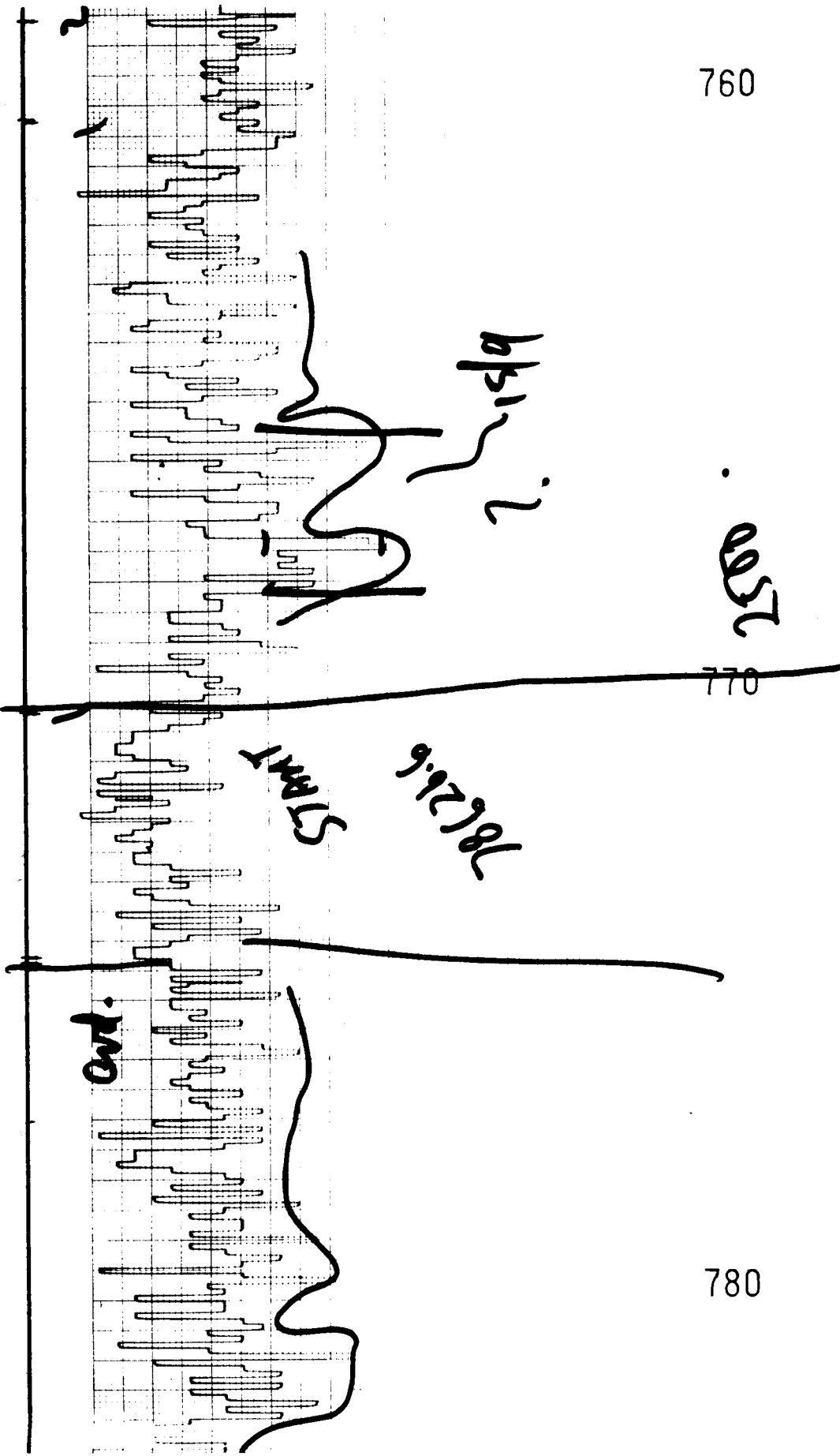
770

START

781266

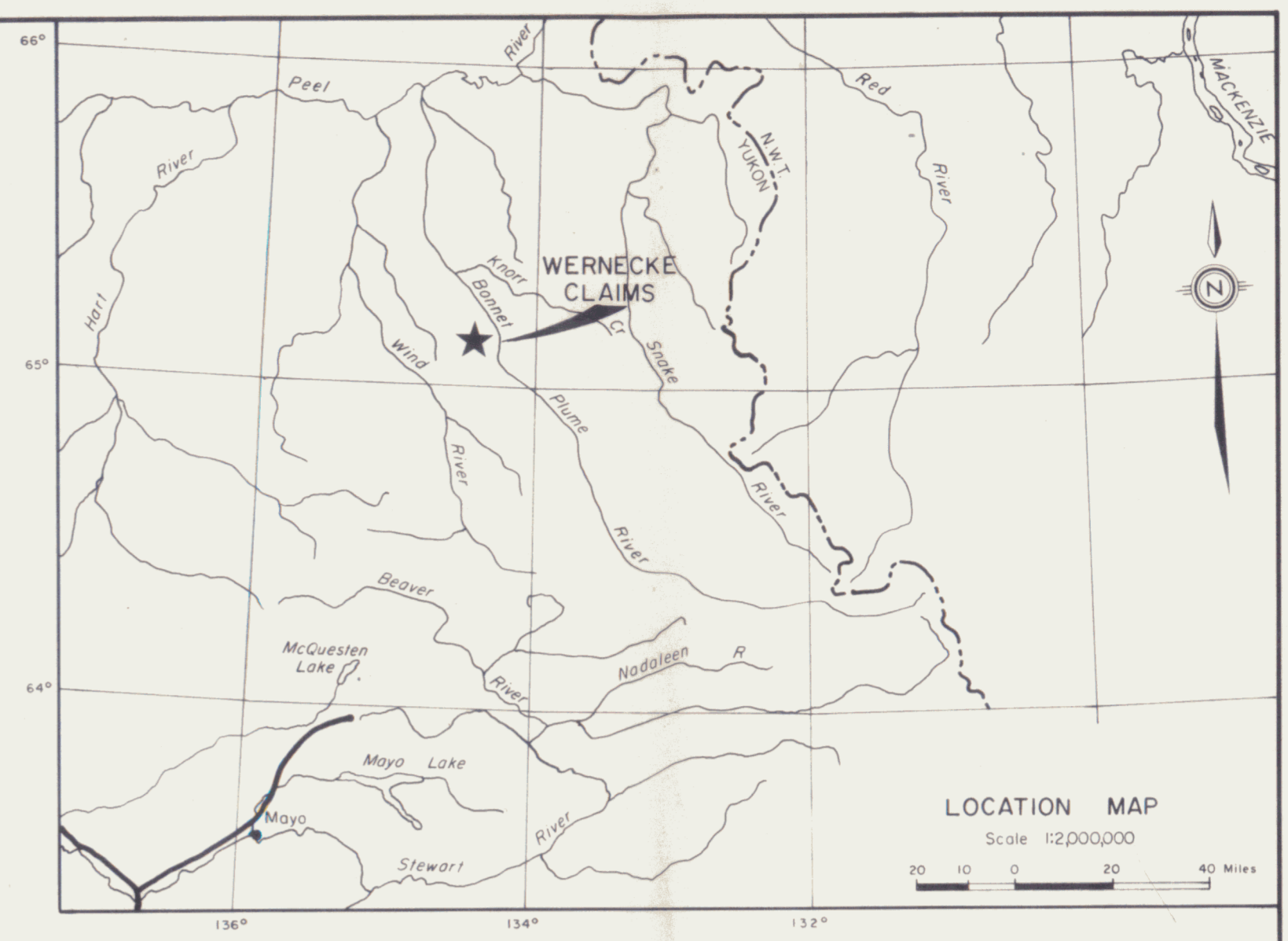
cont.

780


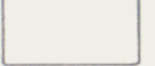





These photocopies are consecutive portions of continuous strip charts. Fiducial numbers along the chart correspond to locations noted on Figures W3 to W6. Each traverse has a unique number corresponding to a flight line plotted on the figures. At the beginning of each traverse the instrument setting, the traverse number and the radioactive element are noted.



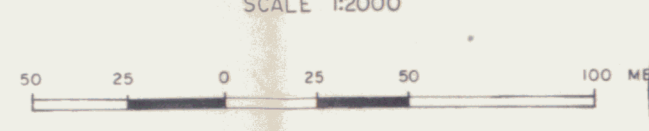


LEGEND

-  Hsp Dark green, banded, chloritic argillite and phyllite, locally calcareous minor basic dikes
-  Hspa Alternating beds of black slate and green phyllite partly spotted and brecciated. Cut with many quartz-carbonate veins with rope brecciation.
-  Hsh Tightly linked grey-green - grey blue chloritic schist
-  Hb Diatreme breccia composed of host rock frags in silty matrix. Spectular hematite common with red staining
-  Hsc Dark brown weathering creamy dolomite with shaly layers

* 98 Scintillation reading in counts per second
All readings were taken with Scintrex BGS-15 Broadband Scintimeters, equipped with 1275 cc NaI (TI) crystals

FIG. W2
ARCHER, CATHRO & ASSOCIATES LTD.
**GROUND RADIOMETRIC SURVEY
AND GEOLOGY**
1978 GRID
WERNECKE CLAIMS
WERNECKE JOINT VENTURE
SCALE 1:2000



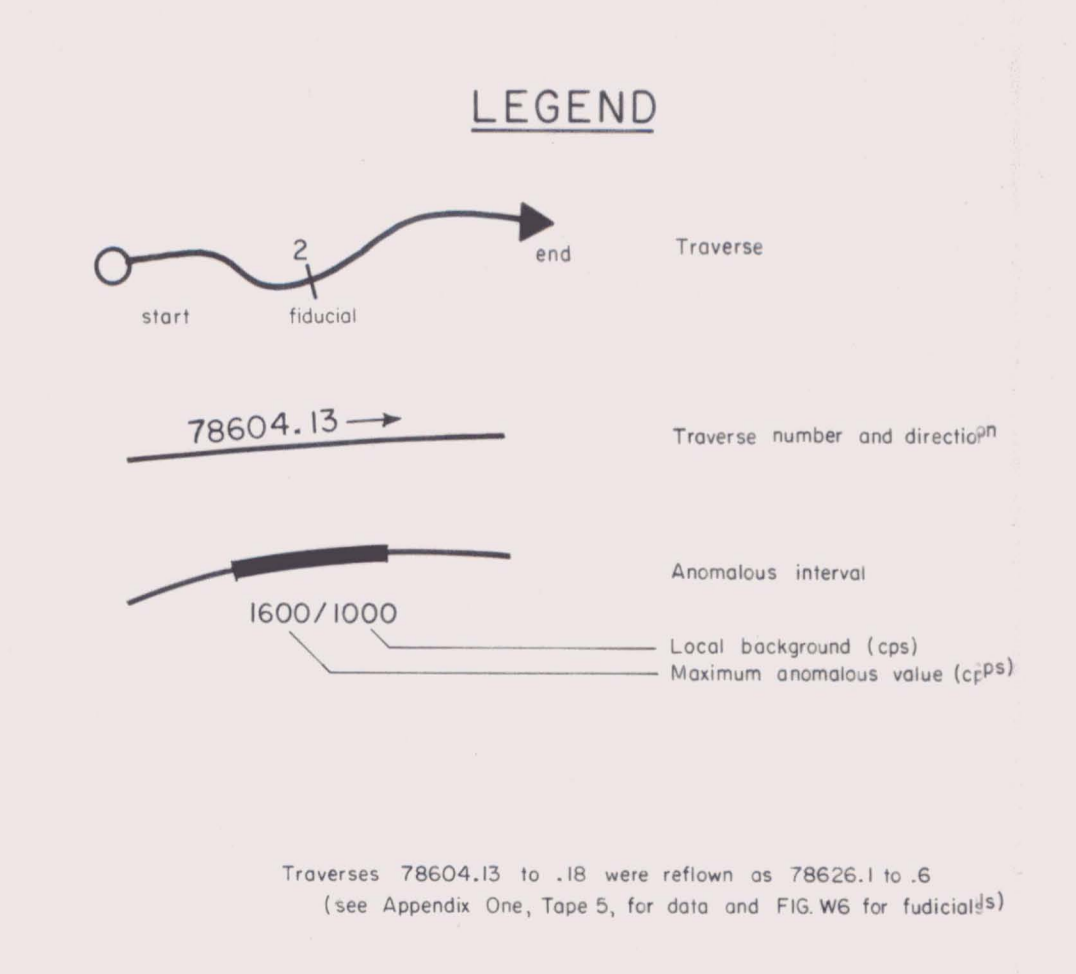
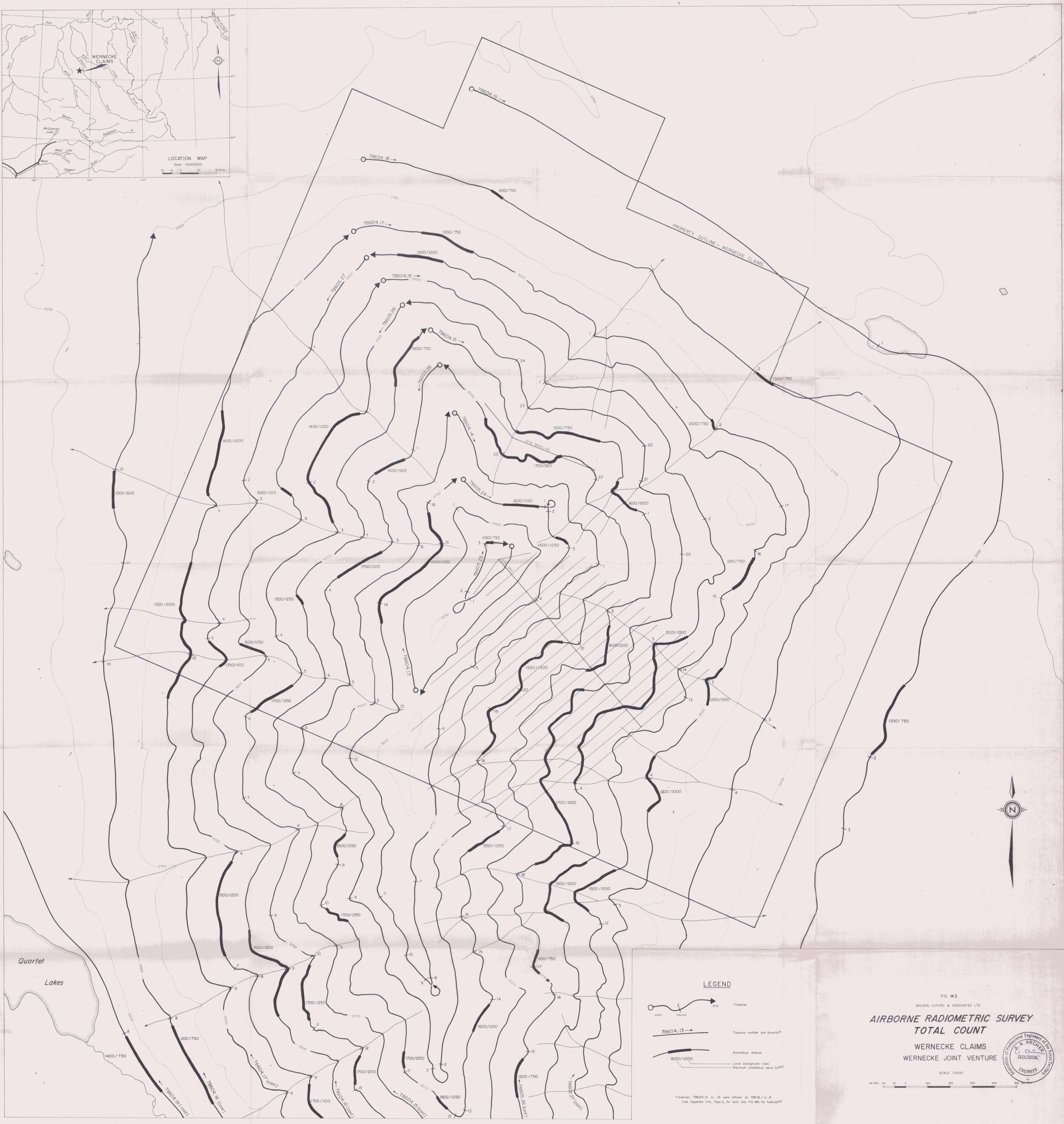
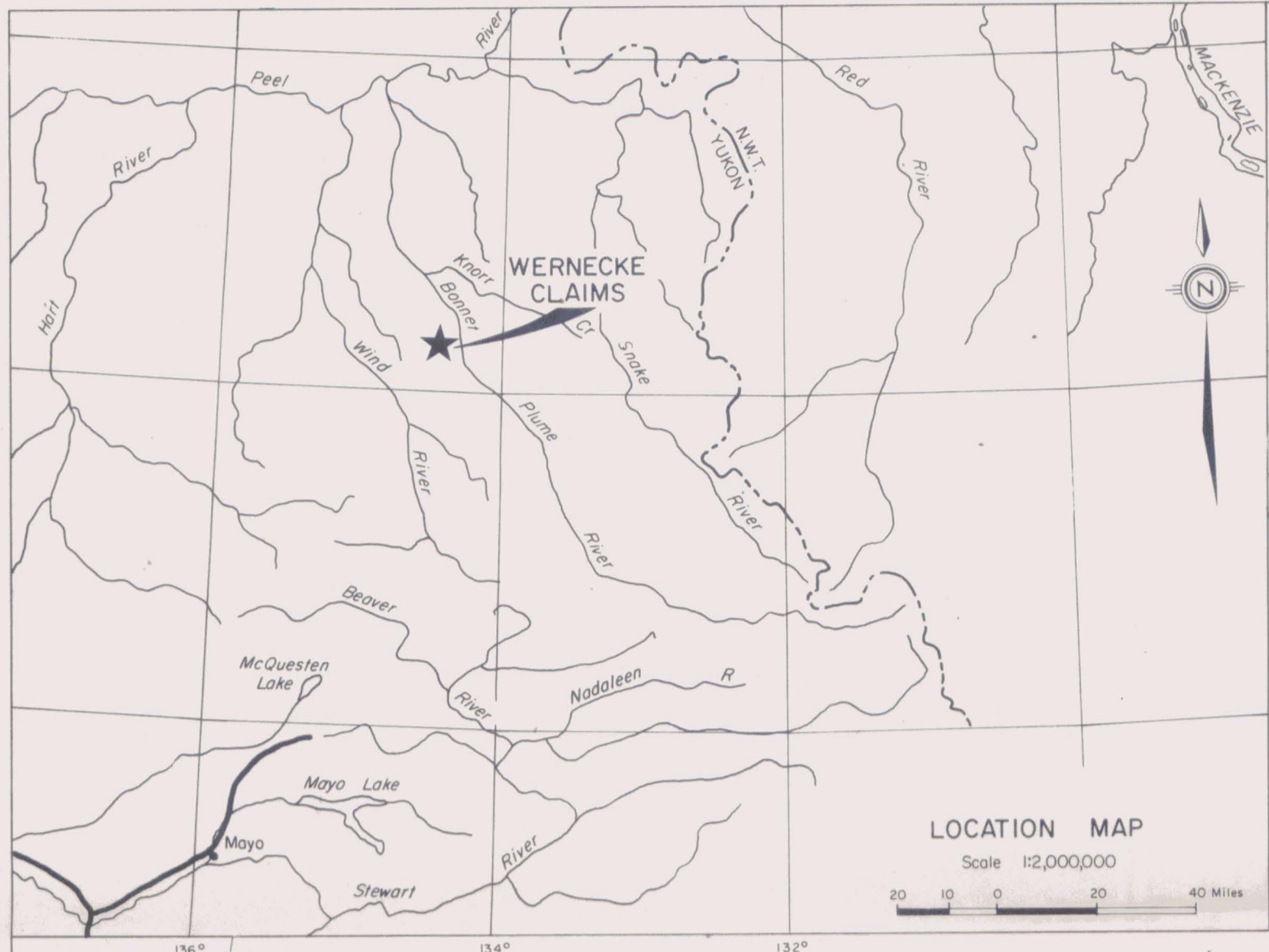
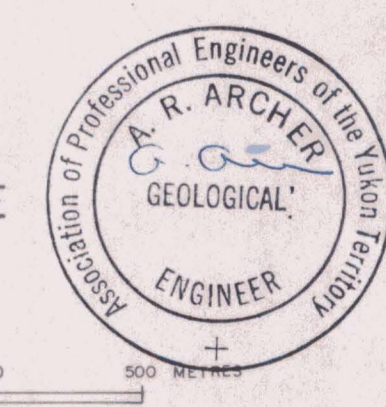
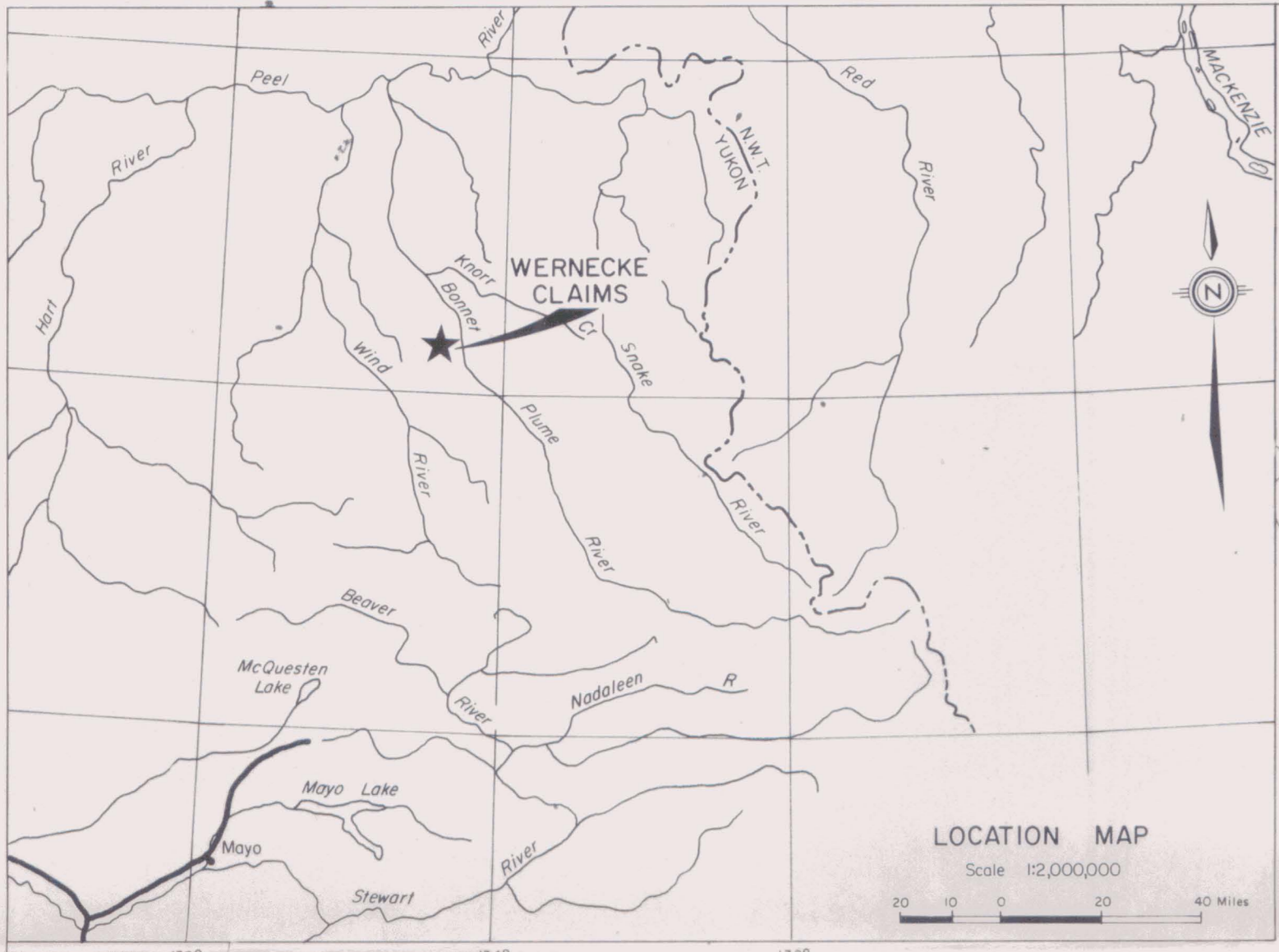


FIG W3
ARCHER, CATHRO & ASSOCIATES LTD
**AIRBORNE RADIOMETRIC SURVEY
TOTAL COUNT**
WERNECKE CLAIMS
WERNECKE JOINT VENTURE

SCALE 1:5000

METRES 0 50 100 150 200 250 300 350 400 450 500





LEGEND

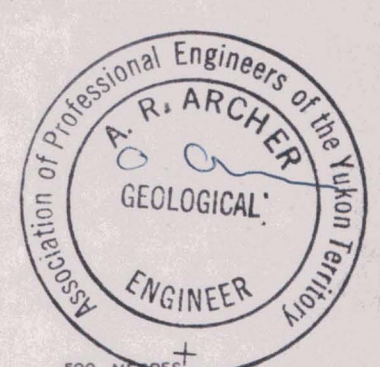
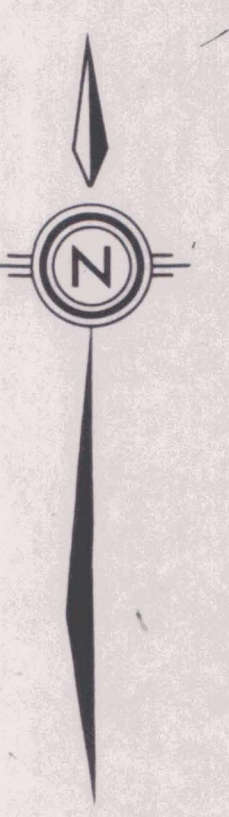
- Start
- End
- Traverse
- Traverse number and direction
- Anomalous interval
- Local background (stippled)
- Maximum anomalous value (dots)

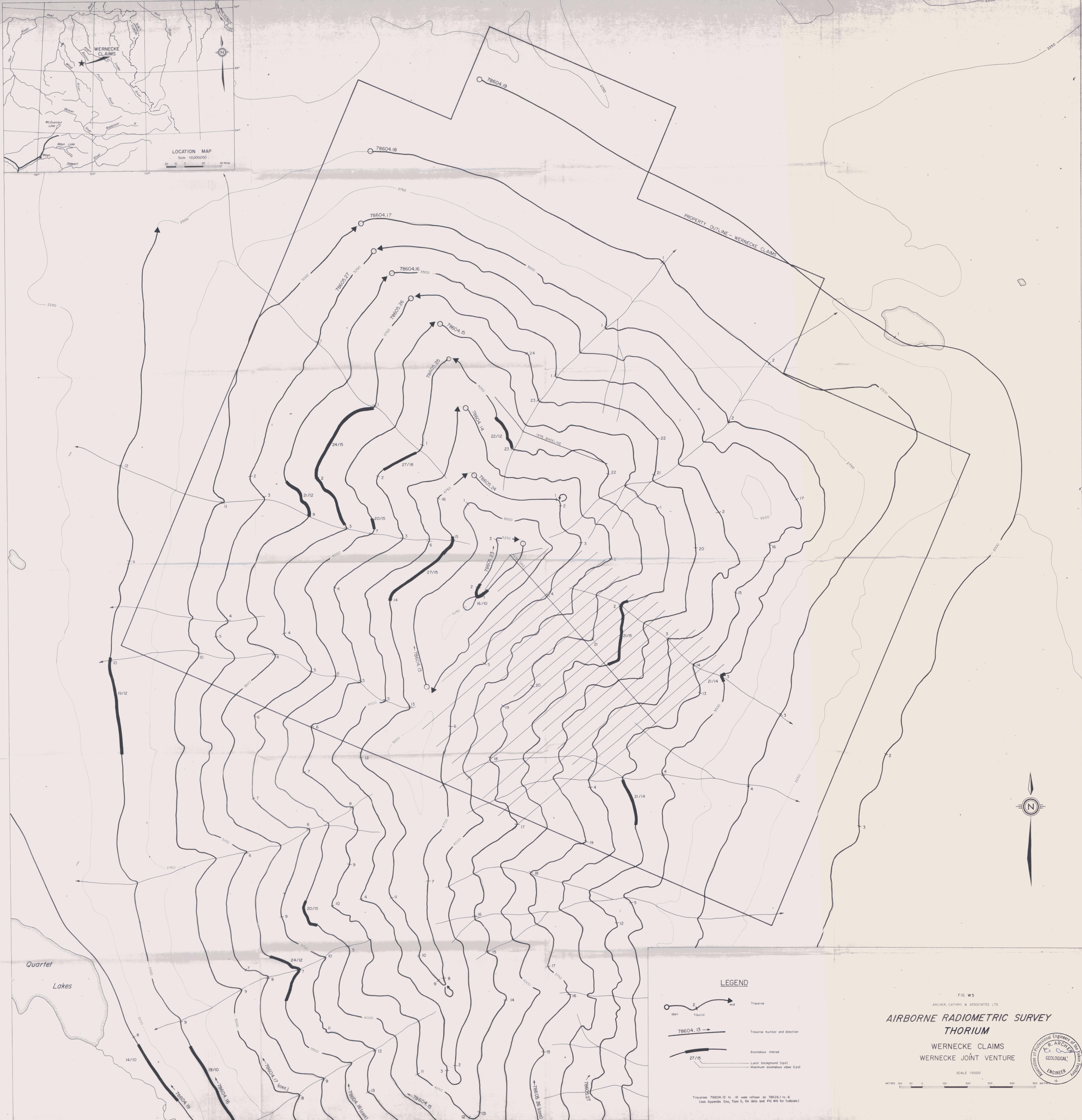
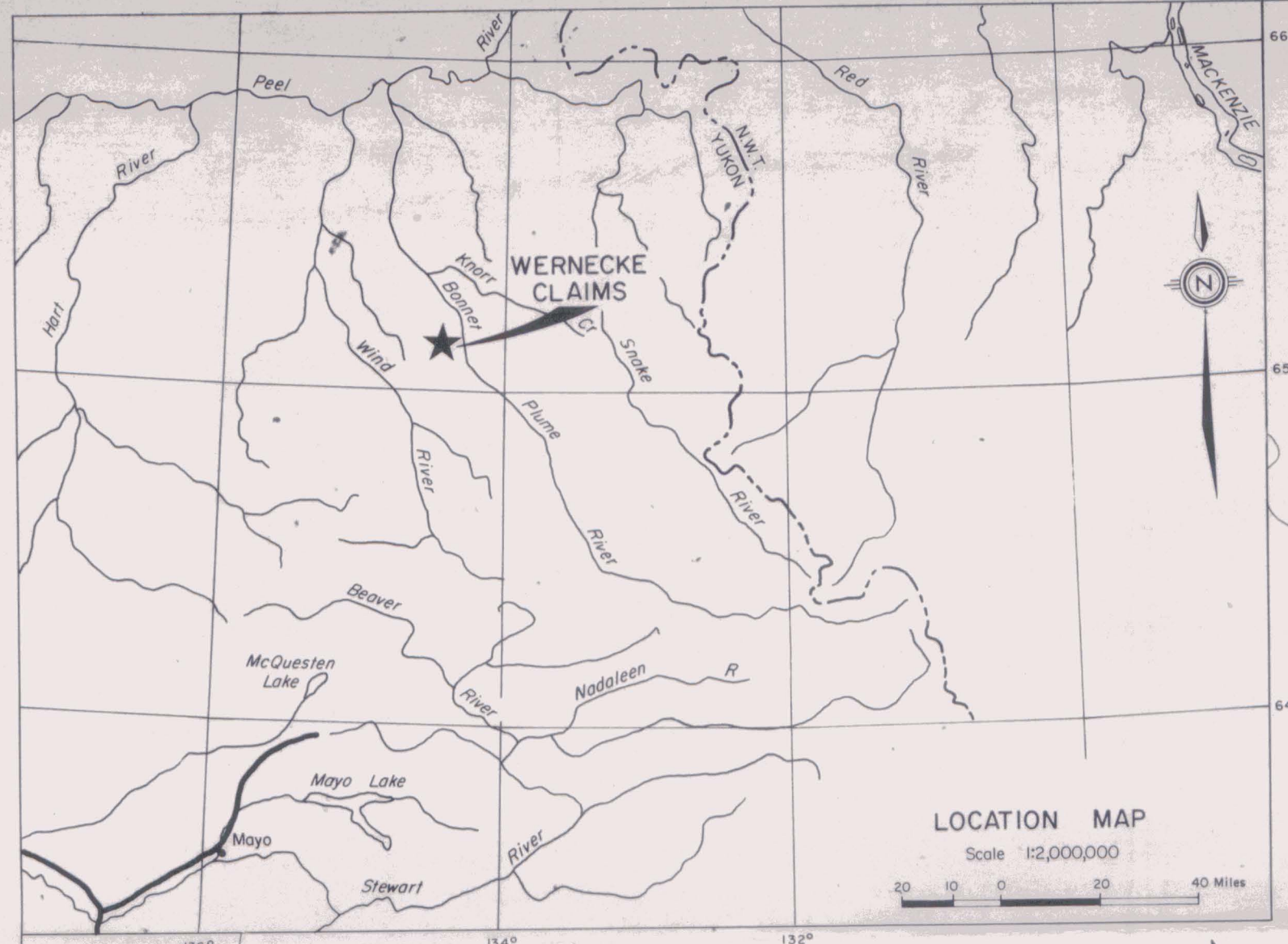
Traverses 78604.13 to .18 were re-run on 78626.1 8 to 6 (see Appendix One, Table 5, for date and FIG. W4 later features)

FIG. W4
ARCHER, CATHRO & ASSOCIATES LTD.
AIRBORNE RADIOMETRIC SURVEY
URANIUM
WERNECKE CLAIMS
WERNECKE JOINT VENTURE

SCALE 1:5000

METRES 0 50 100 200 300 400 500





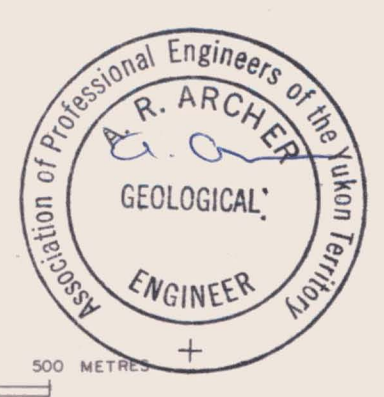
LEGEND

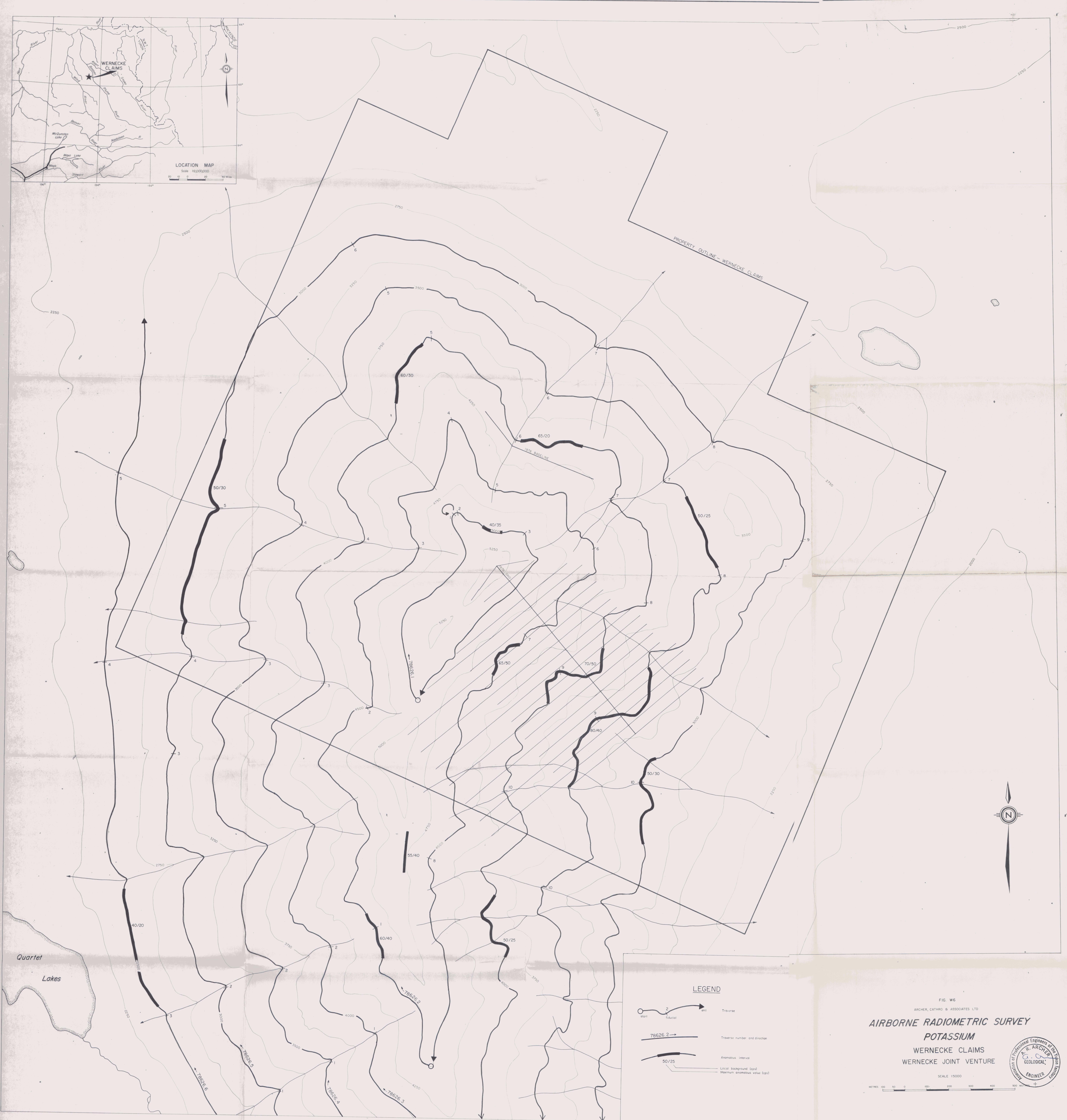
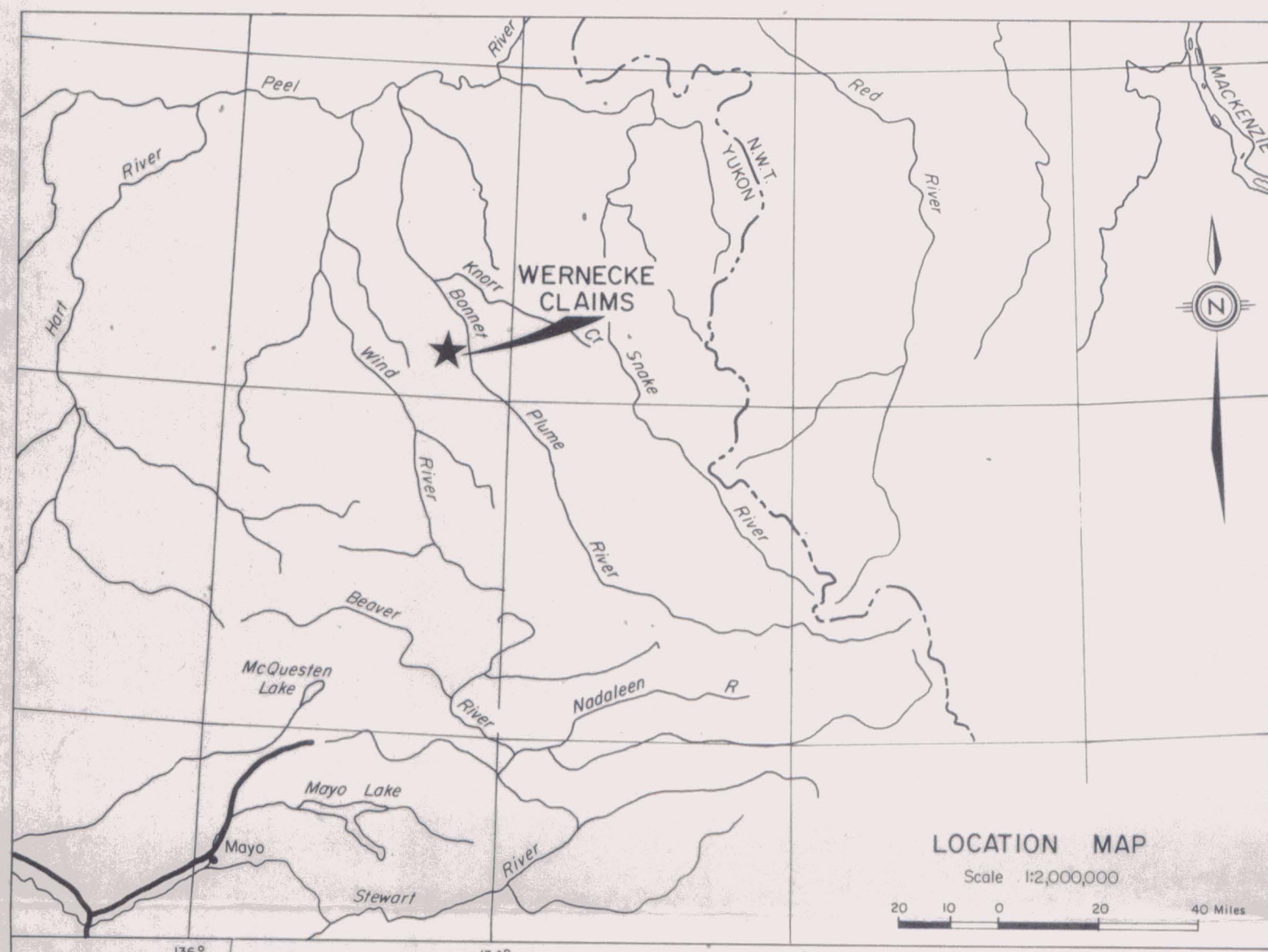
- Traverse
- Traverse number and direction
- Anomalous interval
- Local background (cps)
- Maximum anomalous value (cps)

Traverses 78604.13 to 18 were refined on 78626.1 to 6
(See Appendix One, Table 5, for data and FID WE for fiducials)

FIG. W5
ARCHER, CATHRO & ASSOCIATES LTD.
AIRBORNE RADIOMETRIC SURVEY
THORIUM
WERNECKE CLAIMS
WERNECKE JOINT VENTURE

SCALE 1:5000





LEGEND

	Traverse
	Traverse number and direction
	Anomalous interval
	Local background (cpa)
	Maximum anomalous value (cpa)

FIG. W6
ARCHER, CATHRO & ASSOCIATES LTD.

**AIRBORNE RADIOMETRIC SURVEY
POTASSIUM**

WERNECKE CLAIMS
WERNECKE JOINT VENTURE

SCALE 1:5000

METRES 0 100 200 300 400 500